

# H.D. SETTLEMENT REPORT

JOHI TALUKA

1898

---

Gul Hayat Institute

REVENUE DEPARTMENT.

Commissioner's Office,  
Karachi, 21st June 1898.

MEMORANDUM —

The Commissioner in Sind has the honour to submit to Government proposals for the introduction of an Irrigational Settlement in the Johi Taluka.

2. Mr. Seymour's excellent report is clear, and the Commissioner has not much to add.

3. The taluka is formed of 3 distinct areas: *firstly*, on the east, a fringe of rice cultivation, on the right bank of the Western Nara; *secondly*, between that strip and the hills, a vast area called "Kācho," cultivated only on rain or by the diversion or interception of hill-floods; and, *thirdly*, on the south, a small area soaked by the Manchar Lake.

4. The taluka is a most unfortunate one. It is scoured by hill floods, both from the Nai Gaj, which debouches into it on the north-west, and from other streams from the Khirhar range. These floods sometimes ruin the permanent irrigated cultivation on the Nara and, by sweeping away the bunds constructed to retain rain-water, injure the barani crops. The fringe of land on the Nara is strictly limited, as the land rises so sharply that flow irrigation at any distance is impossible, and canals, which would make the fertile country a garden, are impossible, as the hill-floods which sweep over the tract would fill the canals up as fast as they were made.

5. Mr. James recommended and Government approved the postponement of the Settlement proposed by the late Mr. Disney in 1892, because water had been abstracted from the Western Nara by canals made higher up, to the great detriment of the people of the taluka, and it was resolved to wait till the Pritchard wah, a feeder to the Western Nara from the river, expressly constructed to restore the supply, had worked for a few years. At first, the Pritchard wah was very unfortunate, owing to the river eroding at its mouth, but now it works well, and the Nara supply is so good that the canal has been bunded along its banks to prevent spill and flooding.

6. There is, therefore, no reason for postponing an Irrigational Settlement any longer. But the Commissioner regrets to find that, in spite of the excellent water-supply, the rice area has scarcely increased, and the Executive Engineer informs him that it cannot increase, as hill-floods would destroy the cultivation. Misfortunes of various kinds have beset the taluka, and according to the Registration statistics the proportion of land sold and mortgaged — all, with scarcely an exception, by the indigenous Muhammadan zamindars to the Hindus — in the last five years exceeds the total cultivated area. No doubt, the figures contain areas mortgaged twice over, but the state of indebtedness is evidently extremely serious. There is no use, however, in postponing a Settlement on that account. Mr. Cadell mentions one result of the indebtedness familiar in Sind, *viz*, crime fostered by those who were formerly the best aids that Government possessed for repressing it.

7. Mr. Disney's proposals, which are repeated by Mr. Seymour, seem judicious and quite as such as can be expected in a taluka of the kind. Colonel Crawford and the late Acting Collector, Mr. Cadell, have both approved of them. There are patches which might bear higher rates, perhaps, but the Commissioner would not make an exception for them.

8. The dehs Kur Kalan, Machlika and Per Dhuari shou'd, the Commissioner thinks, certainly be in the 2nd Group, as proposed in paragraph 68.

9 The result of the Settlement will be as follows :

- (a) The canal and Manchar irrigated area will consist of two groups, viz., the first group to embrace 17 and the second 11 dehs, with the following rates in each :—

|  | 1st Group,<br>17 villages. | 2nd Group,<br>11 villages. |
|--|----------------------------|----------------------------|
| Gardens, sugarcane and vegetables ...                          | 3 0                        | 2 8                        |
| <i>Kharif.</i>   |                            |                            |
| Rice under flow ..   | 3 0                        | 2 8                        |
| Other crops under flow ...                                     | 2 12                       | 2 4                        |
| Lift irrigation ...  | 2 4                        | 1 12                       |
| Lift aided by flow ...   | 2 8                        | 2 0                        |
| <i>Rabi.</i>   |                            |                            |
| Natural and artificial irrigation (i.e., Sailabi and Bosi) ... | 2 12                       | 2 4                        |
| Do. do. aided by lift ...                                      | 3 12                       | 3 4                        |
| Rabi lift ...  | 2 8                        | 2 0                        |

*Ahur cultivation.*

- (a) Manchar land only—

|                          |     |
|--------------------------|-----|
| (1) Unploughed lands ... | 1 8 |
| (2) Ploughed lands ...   | 2 0 |

- (b) Elsewhere in the taluka... Ordinary irrigation rates.

- (b) The rest of the taluka (excepting 16 dehs transferred to Johi from Kakar, which, as pointed out by Mr. Seymour in paragraph 65 of his report, are under a guaranteed settlement), embracing 57 dehs (vide Appendix III-B to Mr. Seymour's report) and dependent on rainfall and hill-floods, will continue to pay Re. 1 per acre (both kharif and rabi) on unbanked land dependent on rainfall, Re. 1-4-0 (both kharif and rabi) on embanked land dependent on rainfall alone, and Re. 1-10-0 (both kharif and rabi) on embanked lands which have a combined hill-flood and rain supply, as now. These rates were proposed by the Commissioner in 1892 and sanctioned in Government Resolution No. 4383, dated 21st May 1892, and it is proposed to continue them.

- (c) Twice-cropped land (dubari) will pay the customary 4 annas per acre, except in dehs with mountain streams running in the cold weather, when the full rabi assessment will be levied.

- (d) The total revenue, including Village Cess, but excluding canal clearance rebate, of the taluka (and excluding that derived from the villages transferred from Kakar and which are not included in Mr. Seymour's proposals) by the application of the proposed rates will be Rs. 1,37,388 as against Rs. 1,30,871 (= average revenue of the past four years ending 1896-97), giving an increase of Rs. 6,517 = 4.98 per cent., to which if the increase (viz., 4.62 per cent.) on barani rates sanctioned by Government in 1892 be added, the total increase will be 9.60 per cent. against 9 per cent. estimated by Mr. Disney from his proposals. Thus, the Commissioner's anticipations, expressed at the time when he recommended the postponement of the Johi Settlement in 1892, will be realised.

- (e) The Settlement to be introduced with effect from 1st August next, and guaranteed for the usual term of 10 years.

- (f) The fallow rules will apply to the canal irrigated area only, barani and Manchar lands remaining exempt from their application, as at present.

10. The proposed rates have been published as required under standing orders, and the Commissioner solicits sanction to the introduction of the Settlement from 1898-99. He would beg for sanction by telegram.

H. E. M. JAMES,  
Commissioner in Sind.



---

Gul Hayat Institute

# JOHI TALUKA SETTLEMENT REPORT.

## INDEX OF CONTENTS.

| Para.   | Page.      |
|---|------------|
| 1—5. Submitting Report, with remarks ... ..   | 1          |
| 6. Population ... ..  | 2          |
| 7. Statistics of Agricultural Stock ... ..  | <i>ib.</i> |
| 8. Communications and Rates of Carriage of Produce ... ..   | <i>ib.</i> |
| 9. Markets and annual Fairs ... ..  | 3          |
| 10. Exports and Imports ... ..  | <i>ib.</i> |
| 11. Manufactures and Industries ... ..  | <i>ib.</i> |
| 12. Rainfall and Climate ... ..   | <i>ib.</i> |
| 13. Schools ... ..  | 4          |
| 14—17. Irrigation ... ..  | <i>ib.</i> |
| 18. Wells ... ..  | 7          |
| 19. Revenue History of the Taluka ... ..  | <i>ib.</i> |
| 20—30. Current Settlements ... ..   | 8          |
| 31. Condition of Taluka in respect of Survey operations and the average Size of measured Survey Numbers ... ..  | 14         |
| 32. Preparation of Taluka for Settlement ... ..   | <i>ib.</i> |
| 33. Decreases and Increases in unoccupied and occupied Area ... ..  | <i>ib.</i> |
| 34 & 35. Distribution of modes of Irrigation ... ..   | <i>ib.</i> |
| 36 & 37. Cultivation under each kind of Irrigation: increases and decreases therein. ... ..   | <i>ib.</i> |
| 38. Crops, with Remarks ... ..  | 15         |
| 39. Forests and Plantations ... ..  | <i>ib.</i> |
| 40. Alienated Lands ... ..  | 16         |
| 41. Outturn of Crops ... ..   | <i>ib.</i> |
| 42. Prices ... ..   | <i>ib.</i> |
| 43. Sales and Mortgages ... ..  | 17         |
| 44. Condition of People and Transfer of Lands ... ..  | 18         |
| 45. Land Tenures ... ..   | <i>ib.</i> |
| 46. Pressure exercised in recovery of Land Revenue ... ..   | 19         |
| 47. Size of Holdings ... ..   | <i>ib.</i> |
| 48—50. Remarks on present condition of dehs of taluka and on Rates proposed by the late Mr. Disney, with summary of the Honourable Mr. James' review of that officer's proposals ... .. | 20         |
| 51 & 52. Proposals for "Kacho" or Rainfall and Hill-flood Lands ... ..  | 30         |
| 53 & 54. Proposals for Manchar, or lands cultivated with "Ahur" (Mustard) ... ..  | 31         |
| 55—57. Suggestions in connection with certain dehs transferred from the Kakar Taluka still under guarantee ... ..   | 32         |
| 58. Result of consultation with the Collector of Karachi and the Executive Engineer, Western Nara, about the Settlement proposals ... ..  | 34         |
| 59. Summary of Proposals ... ..   | 35         |
| 70. Grouping and Rates ... ..   | <i>ib.</i> |
| 71. Financial Results of the proposed Settlement ... ..   | 36         |
| 72. Comparison of the result between the proposals made by Mr. Disney and those now made ... ..   | 38         |
| 73. Application of Fallow Rules ... ..  | <i>ib.</i> |
| 74. Concluding Remarks ... ..   | <i>ib.</i> |
| 75. Appendices ... ..   | <i>ib.</i> |

(ii)

Appendices.

| No. |   | Page.      |
|-----|---|------------|
|     | I. Map showing proposed Grouping.   |            |
| "   | II. Irrigation Map.   |            |
| "   | III-A. List of existing Villages ... ..   | 42         |
| "   | III-B. List of proposed Villages ... ..   | 43         |
| "   | IV. Rainfall ... ..   | 44         |
| "   | V. Population ... ..  | 45         |
| "   | VI. Occupation of People ... ..   | <i>ib.</i> |
| "   | VII. Sales of Land ... ..   | 46         |
| "   | VIII. Sub-letting ... ..  | 47         |
| "   | IX. Mortgages ... ..  | 48         |
| "   | X. Agricultural Stock ... ..  | 49         |
| "   | XI. Wells ... ..  | <i>ib.</i> |
| "   | XII. Crops ... ..   | 50         |
| "   | XIII-A & B. Arable Government Land ... ..   | 51         |
| "   | XIV-A & C. Cultivated Lands ... ..  | 63         |
| "   | XIV-B & D. Dubari cultivated Land ... ..  | 87         |
| "   | XV. Revenue Demand and Realisations ... ..  | 95         |
| "   | XVI. Existing and proposed Assessment of each Village ... ..  | 97         |
| "   | XVII. Cultivation in unsurveyed Land ... ..   | 105        |
| "   | XVIII. General Financial Results of the proposed Settlement ... ..  | 109        |
| "   | XIX. Price List ... ..  | 110        |
| "   | XX. Births, Deaths and Vaccination ... ..   | 111        |
| "   | XXI. Nominal List of large Land-holders ... ..  | 112        |
| "   | XXII. Coercive Processes ... ..   | 114        |
| "   | XXIII. Extensions and Improvements in Canals ... ..   | 115        |
| "   | XXIV. Length of Canals and expenditure on account of Canal Clearance. <i>ib.</i>  |            |
| "   | XXV. Cultivation in Johi Taluka ... ..  | 116        |
| "   | XXVI. Tracing showing the eastern portion of the taluka and flood-channels as well as the extent of the Manchar Lake in the inundation of 1897. |            |
| "   | XXVII. Land-owners under the protection of the Manager, Incumbered Estates in Sind ... ..   | 118        |
| "   | XXVIII. Memorandum by the Acting Collector of Karachi regarding the suitability of proposed Rates ... ..  | 39         |
| "   | XXIX. Rules for the administration of Irrigational Settlements ... ..   | 120        |

Gul Hayat Institute



REVENUE DEPARTMENT.

*Superintendent's Office,  
Camp Hyderabad, 31st March 1898.*

From

L. W. SEYMOUR, ESQUIRE,  
Superintendent,  
Land Records and Agriculture in Sind,

To

THE COMMISSIONER IN SIND.

SIR,

Submitting Report, with remarks. I have the honour to submit herewith proposals for the irrigational settlement of the Johi Taluka of the Karachi Collectorate.

2. In 1891, the late Mr. Disney, then Superintendent, Sind Revenue Survey, submitted to Government, through the Acting Commissioner in Sind, certain proposals for an irrigational settlement of the taluka. These proposals were forwarded by the Acting Commissioner with his approval to Government in letter No. 2074 of 19th June 1891, and sanction was requested by wire. In the opinion of Government, however, the proposals had been submitted too late to allow of the new rates being introduced from the commencement of the Revenue year, and it was directed in letter No. 4887, dated 18th July 1891, from Government to the Commissioner in Sind that the change should be deferred for another year and the proposals re-submitted with the Commissioner in Sind's remarks thereon. The desirability of adapting the form in which Sind settlement reports were framed, so as to assimilate it to that used in the Presidency proper, was also suggested by Government. With reference to this suggestion, the Commissioner in Sind was pleased to frame, in his Special Circular No. 72 of 8th November 1892, a form of settlement report for Sind, which has been and still is in use in the Province.

3. In 1892, the Commissioner in Sind personally visited the taluka and forwarded a report, No. R-41 of 11th March 1892, to Government, in which he stated his concurrence with Mr. Disney in the latter's statement that "the revenue history of the canal-irrigated villages is not satisfactory. It is very desirable that, for the next few years, the zamindars and cultivators should enjoy the benefit of low rates," and proposed "that the existing settlement be maintained for some time longer," concluding his report with the following words: "I trust that Your Lordship will approve, therefore, of leaving matters as they are for the present, and at the earliest opportunity I will have the taluka re-examined, village by village, and rates proposed, with particular care. Then, I hope the increase will be at least as large as Mr. Disney has proposed."

4. The Commissioner's proposal to allow the then existing settlement to be maintained for some time longer had reference more particularly to canal-irrigated lands. Certain changes suggested by him in the assessment of embanked lands dependent on rainfall from the hills (*band barani*) were sanctioned in Government Resolution No. 4388 of 21st May 1892.

5. Both Mr. Disney's settlement report (No. 129 of 21st February 1891) with the Acting Commissioner in Sind's forwarding letter (No. 2074 of 19th June 1891) and the Commissioner in Sind's supplementary report (No. R-41 of 11th March 1892) are with Government. It does not seem necessary to re-describe the constitution of the taluka, its area, position, boundaries, main physical features, &c., beyond noting that, by the transfer of 16 dehs of the

Kakar Taluka to this taluka in 1893, the area of the taluka is now 732·38 square miles, of which 640·04 is rayati and 92·34 jagir. I propose, therefore, to first note any changes which may have occurred since the date of the Commissioner's supplementary report, to describe the condition of the canal-irrigated dehs—all of which I have examined in detail—to submit the report in the form now current in the Province, and to then suggest such alterations in assessment rates as may seem expedient in the present circumstances of the taluka.

6. The population of the taluka according to the census of 1881 was 37,229, or 58 to the square mile. By the census of 1891, the population was 51,919 (or 70·89 to the square mile)—an increase of 14,690. The excess is due partly to increase of population and partly to the addition of the population of the dehs transferred from Kakar, the figures for the Johi Taluka in 1891 being 44,848 and for the transferred dehs 7,071. With the exception of an influx of labourers from other parts of the Province during the harvesting season, there is no emigration or immigration in the ordinary application of the terms.

7. The subjoined table shows the state of agricultural stock in the taluka from the year 1892-93, when a form was introduced by the Commissioner in Sind for the more correct registration of the same :—

| Year.       | Bullocks. | Cows.  | Buffaloes. | Camels. | Horses and Ponies. | Donkeys. | Mules. | Sheep and Goats. |
|-------------|-----------|--------|------------|---------|--------------------|----------|--------|------------------|
| 1892-93 ... | 12,072    | 9,848  | 424        | 2,879   | 1,110              | 1,408    | ...    | 11,861           |
| 1893-94 ... | 11,683    | 7,525  | 642        | 2,981   | 1,235              | 1,737    | ...    | 29,868           |
| 1894-95 ... | 5,399     | 10,927 | 1,141      | 3,671   | 1,088              | 1,845    | 10     | 28,387           |
| 1895-96 ... | 14,486    | 10,683 | 682        | 4,082   | 1,250              | 1,986    | 12     | 38,053           |
| 1896-97 ... | 13,913    | 10,743 | 540        | 3,540   | 1,177              | 1,618    | 14     | 21,590           |

The causes of increase and decrease are various. In years of scanty rainfall in the hills, cattle are brought down to the plains, and *vice versa*. Cattle are also taken from one taluka into another for better pasturage. For instance, the decrease in bullocks and cows in 1893-94 was due to migration, whilst the increase under other heads is accounted for by the transfer to this taluka of certain dehs of the Kakar Taluka. Similarly, the large decrease in bullocks in 1894-95 is said by local authority to be due to migration, whilst in that year sheep and goats were attacked by pneumonia. Decreases in 1896-97 amongst buffaloes, bullocks, donkeys, camels, horses and ponies are said to have been due partly to disease and partly to migration for pasturage. The large decrease in sheep and goats in 1896-97 was also due to migration for better pasturage, owing to scanty rainfall. No severe epidemic of disease has occurred for years past.

8. A description of the taluka as regards communications is given in paragraph 7 of Mr. Disney's report. Since that report was written, the following additional roads and canals have been made :—

|   |     |          |
|---|-----|----------|
| From Johi to the village of Wahi Pandhi | ... | 15 miles |
| „ Chhini do. Pir Gaji                   | ... | 6 „      |
| „ Kuba Miran Machhi do. Sai             | ... | 6 „      |
| „ Kamal Khan do. Chana                  | ... | 2 „      |
| The Lohri canal                         | ... | 6 „      |

The taluka has now excellent communications both within itself and with the railway, which runs parallel with it at a distance of 12 to 14 miles. During the inundation season, however, some of the roads in the southern villages are submerged by the overflow of the Manchar lake and by the hill-floods pouring into it, whilst a few are temporarily swept by hill-floods only. The principal trade routes are from Johi to the Dadu Railway Station and to the Bhan



Railway Station. From the town of Phulji to the railway station of that name, from Haji Khan to Phulji, from Chhini to Shah Hasan, and from Shah Hasan to Jhangar in the Sehwan Taluka.

For carriage of grain, camels, carts and donkeys are used. The average

Rates of Carriage of Produce.

rate of carriage of grain within the taluka is between 3 and 4 annas a kharar per mile.

Camels are chiefly used on long journeys. A slightly higher rate is current for transport to the railway stations outside the taluka. In the high season, boats ply between Shah Hasan and Sehwan (16 miles) for eight annas, or, when carrying grain, &c., at the rate of 6 pies a kharar per mile. The cost of carriage by cart into the taluka from outside is 2 annas 8 pies a kharar per mile for grain and for cotton 2 pies per maund per mile.

9. There are no regular markets in the taluka. Grain and cotton are

Markets and Annual Fairs.

despatched to Karachi from the railway stations of Bhan, Phulji and Sita Road. Some grain is

also purchased by the hill-men (Brohis) of the western dehs of this taluka and of the dehs transferred from the Kakar Taluka. The tobacco grown is hardly in excess of the requirements of the taluka. The produce of the taluka is purchased by merchants or their agents on the threshing-floors in the different villages. Local requirements are met by retail sales in the various village bazaars. From the prices given by purchasers on the threshing-floors, a deduction of from one to two rupees per kharar is made on account of carriage.

Small annual fairs are held at the villages of Pir Gaji and Shah Hasan in February and April in honour of the local saints, Pir Gaji and Pir Matan Shah. The fairs are mere holidays, sweets and food-stuffs alone being sold. No fees are levied.

10. The exports of the taluka consist chiefly of jwar, cotton, mustard and

Exports and Imports.

oil seeds, gingelly and bajri. Cotton, gingelly, oil seeds and some grain are sent to Karachi.

The neighbouring talukas of Dadu, Sehwan and Kakar receive a share of these exports, as also of bajri and tobacco. The imports consist of rice (sugdasi) and tobacco from Larkana, wheat from Dadu, gram and pulses from neighbouring talukas, cloths, silks, spices, kerosine oil, salt and ghi from Karachi and Sukkur, gold, silver, iron and brass work from Hyderabad and Sehwan. There is no municipality in the taluka.

11. The manufactures of the taluka are coarse cloths, woollen carpets,

Manufactures and Industries.

woollen saddle cloths and saddle bags for horses, besides cradles and bedsteads of lacquered wood-

work. These manufactures are disposed of either in the taluka itself or in neighbouring talukas. There are 38 machines of primitive construction for expressing oil from oil-seeds and 70 hand-machines for cleaning cotton. The

rate charged for expressing oil is for  $\left\{ \begin{array}{l} \text{sariha} \dots \text{Rs. 2-4-0} \\ \text{jambho} \dots \text{,, 2-8-0} \\ \text{mustard} \dots \text{,, 2-0-0} \end{array} \right\}$  per maund

and that for cleaning cotton Rs.  $2\frac{1}{2}$  per maund.

From 12 patis ( $\frac{1}{4}$ th kasa) of jambho are expressed 2 sers of oil.

“ “ “ sariha “  $2\frac{1}{4}$  “  
“ “ “ mustard “  $2\frac{1}{2}$  “

The amount of oil cake (khar) formed from the residue, which is of value for cattle food, is as follows:—

|                        |             |             |
|------------------------|-------------|-------------|
|                        |             | Value.      |
| From 4 kasas of jambho | } 1 maund { | = Rs. 8-0-0 |
| “ 5 “ “ sariha         |             | = Rs. 2-8-0 |
| “ 5 “ “ mustard        |             | = Rs. 2-8-0 |

12. The average annual rain-fall of the past five years has been 5.61 inches.

Rain-fall and Climate.

The heaviest rain-fall (12 inches 14 cents.) occurred in the year 1892-93. Rain falls, ordinarily,

during the months of January, February, March, July and, occasionally,

August. These rains, with the exception of those of March, which may injure rabi crops, are beneficial. Southerly breezes are good for all crops, whilst westerly and easterly winds are injurious to the ripening crops of wheat and juar, respectively. As regards climate, the period from November to the beginning of March constitutes the cold weather. Thence to the end of April is said to be fairly warm. From the end of April to the end of August, the heat is excessive. September and October are described as pleasant.

13. The subjoined table shows the number and nature of the schools in the Johi Taluka, with the attendance of pupils on 31st March 1897 and the average daily attendance during the past five years :—

| Nature of Schools.             | Number of Schools. | ATTENDANCE ON<br>31st MARCH 1897. |              |         |              | AVERAGE DAILY<br>ATTENDANCE IN |          |          |          |          |  |
|--------------------------------|--------------------|-----------------------------------|--------------|---------|--------------|--------------------------------|----------|----------|----------|----------|--|
|                                |                    | Boys.                             |              | Girls.  |              | 1892-93.                       | 1893-94. | 1894-95. | 1895-96. | 1896-97. |  |
|                                |                    | Hindus.                           | Muhammadans. | Hindus. | Muhammadans. |                                |          |          |          |          |  |
| <i>Local Board Schools.</i>    |                    |                                   |              |         |              |                                |          |          |          |          |  |
| Vernacular ... { Day ...       | 8                  | 170                               | 134          | ...     | ...          | 98                             | 177      | 177      | 203      | 216      |  |
|                                | 2                  | 32                                | 16           | ...     | ...          | ...                            | 30       | 39       | 41       | 41       |  |
| <i>Aided from Local Funds.</i> |                    |                                   |              |         |              |                                |          |          |          |          |  |
| Private ... { Indigenous ...   | 15                 | ...                               | 297          | ...     | 66           | 68                             | 157      | 189      | 265      | 295      |  |
|                                | 1                  | ...                               | 31           | ...     | ...          | 27                             | 25       | 32       | 33       | 27       |  |
| Chapter V.                     |                    |                                   |              |         |              |                                |          |          |          |          |  |
| Total ...                      | 26                 | 202                               | 478          | ...     | 66           | 193                            | 389      | 437      | 542      | 579      |  |

The Deputy Educational Inspector, in forwarding the above information, remarks : "The schools of the Johi Taluka have increased in number during the period of the last two years. The number of pupils has nearly doubled. There is steady progress made in efficiency."

14. The irrigation of the taluka is best described in the words of the Executive Engineer in charge, who writes :

"The Government canals affecting the Johi Taluka are—

- (1) Western Nara, running along its eastern border,
- (2) Branches Lohri, Dinghri and Sakro.

Nearly all the taluka is supplied from rain and hill-floods. There is also a hill-flood channel running parallel and to the west of the Nara, which prevents extension of cultivation to any great extent towards the hills. The cultivation in Johi is most wasteful on this account, as water cannot be confined in narrow karias as elsewhere. After being pounded up for a season by bands across the aforesaid channel, a few wheels are erected along the banks of the dhora. Such bands are invariably swept away in years of ordinary hill-flood. For some years previous to 1889, the supply in the Western Nara had considerably deteriorated, due to river erosion at its mouth near Larkana. For the improvement of supply in Sehwan, Dadu and Johi, dependent on the Nara, a supplementary canal, the Pritohard wah, was constructed. For two years, it was also subject to the same adverse circumstances as the Nara, but since 1891 has afforded great help. Since 1889, the Nara itself has improved very much—so much so that it has continued to flow throughout each cold weather.

Since 1890, on account of the improvement of supply and resulting higher level in the Nara, it has been necessary to embank the canal from Kakar to the Baid sluice in Johi to keep the canal water from overflowing.

A large body of water has been passed into the Lohri Dhora through the Lohri wah, constructed in 1892-93 at a cost of Rs. 9,088.

The Sakro wah was taken over by Government in the year 1886, and a considerable extension of cultivation has resulted. The whole cultivation, however, in this and the western side of the Nara generally is subject to submersion by the Gaj Nai hill-floods. The undersigned proposed giving a more detailed account of the irrigation, &c., of Johi and, for the purpose of comparing improvements and results, called for certain returns of cultivation from the Revenue Department in February 1897. Their reply, received on the 7th October last, is to the effect that such returns are not available."

**Statements showing—**

- (1) The cost of improvements to canals affecting the supply of Johi Taluka,
- (2) Length of canals and expenditure on clearances from 1889-95,
- (3) Cultivation of the taluka from 1884-85 to 1895-96

are attached as Appendices XXIII to XXV.

15. A supplementary report was subsequently received from the Executive Engineer to the following effect:—

"I have the honour to forward herewith a tracing, 2 miles to an inch, showing the eastern portion of the Johi Taluka and flood channels referred to in this office No. 4284/11 of 10th November 1897.

*Nai Gaj.*—The Gaj flood has three directions open to it, viz., north to Kakar, east to Phulji and south-east to Johi. Any one or all of these channels may flow in accordance with the volume of flood. The course of a moderate flood is regulated by its capability of bursting the small stone bands put up in the Gaj Nai bed and by the silt deposited in the flood immediately preceding. To speak of the floods being at present diverted northward suggests a departure from the ordinary, which this is not. Sometimes, it goes one way; sometimes, another.

*Course of flood.*—Whichever direction the flood takes, it has but one course after leaving the Pat, and that is parallel to the Nara through the Lohri and other *dhora*s into the Manchar. Comparatively recently, the Nara was but a succession of *dhand*s with connecting channels, exactly similar to the Lohri wah, Sohnari Dhand, Bahawalpur Dhora, Kudinari Dhand, &c., on to the Manchar. Between Drig and Bahawalpur, crossing the Drig-Bahawalpur temporary road, several of these channels can be seen as well as the temporary bands put over them to raise the water level. In years of even average flood, these bands are swept away, as by last year's comparatively small flood. This would be the case with any canal crossing the natural drainage channel.

*Cultivation.*—The statements of cultivation given by the Mukhtyarkar give no returns previous to 1884-85 and omit those for 1890-91, 1891-92\* and 1892-93. Without such information, it is not possible to give exact causes of fluctuations, for, even if all land is submerged late in the season, the area is shown as cultivated. The fluctuations in areas of cultivation are due to varying falls of rain both in quantity and time. A heavy rainfall spread over the three summer months would not destroy the crops. A similar fall shortly after sowing would drown the kharif. A very late rainfall would not destroy all kharif and would immensely increase the area under rabi. In other words, the whole of the Johi Taluka has been formed by, and is dependent on, hill-floods, or, where a supply is available, from the Nara, whether or no such crops may not be destroyed.

*Manchar Lake.*—The accompanying tracing shows the extent of the Manchar lake in the inundation of 1897. As long as the river remains in its present position near Schwan—and at present it is encroaching daily—, high floods may be expected in the Manchar early in the season, before the rice has time to keep its head above water. The fluctuations in the kharif area of the 3 *dehs* Gaha, Channa and Abad are but slight, and vary with the character of the inundation. These *dehs* are to the east of the present flood-course between Nara and Dingri. Barani cultivation in Kakar and Mehar has decreased probably in a greater portion than in Johi. Uncertain barani cultivation cannot compete with river-supplied lands, on which crops are relatively certain. The decrease in Johi is, I think, in no way due to the so-called diversion of Gaj floods.

From statements of areas of cultivation on the Nara only in the Karachi Collectorate, the area of cultivation has increased from about 50,000 acres in 1880 to 1,30,000 in 1896-97: the kharif area from 27,000 to 60,000, approximately. As the Nara flows from end to end of Johi, that taluka must have shared in the general benefit derived from an improved supply, particularly from 1889--1896-97." Report ends.

\*Note.—Village Form No. 16 for 1890-91 and 1891-92 have been destroyed, vide Collector of Karachi's No. 1926 of 17th February 1898.



16. Summarised, the main points in the above reports are the following :—

- (1) The unsatisfactory working of the Western Nara up to the year 1889.
- (2) The construction of the Pritchard wah and the relief it afforded to the Nara after the first two years of its construction.
- (3) The passage of a large body of water into the Lohri Dhora from the Lohri wah, constructed in 1892-93.
- (4) The taking over of the Sakro wah by Government in 1886 and the consequent increase of cultivation on the same.
- (5) The liability of cultivation on the Sakro wah and the Western Nara generally to submersion by the Gaj Nai hill-floods.
- (6) Course taken by hill-floods in the taluka.
- (7) Fluctuations of areas of cultivation due to varying falls of rain, both in quantity and time.
- (8) Formation of whole taluka dependent on hill-floods, or, where a supply is available from the Nara, whether or no such crops may not be destroyed.
- (9) List of extensions and improvements and cost of canal clearances.
- (10) Present set of river and probable high Manchar inundations.

The Executive Engineer is of opinion that the conditions of this taluka are unlike those of other talukas, because, excluding jagirs, a comparatively small area is dependent on the Nara, and of that a large portion is subject to the natural flooding of the Manchar, and the rest to the hill-floods.

17. The total cultivation on all sources of water-supply during the past 8 years has been as follows :—

| Source of supply.   | 1880-90. | 1890-91. | 1891-92. | 1892-93. | Average of 4 years. | 1893-94. | 1894-95. | 1895-96. | 1896-97. | Average of 2nd 4 years. |
|---|----------|----------|----------|----------|---------------------|----------|----------|----------|----------|-------------------------|
|   | Acre.    | Acre.    | Acre.    | Acre.    | Acre.               | Acre.    | Acre.    | Acre.    | Acre.    | Acre.                   |
| Western Nara and its Dingri branch, including Kur Kalan wah | 19,491   | 17,268   | 19,161   | 20,238   | 19,040              | 22,531   | 28,713   | 19,005   | 19,658   | 22,477                  |
| Sakro branch  | 611      | 576      | 1,437    | 831      | 800                 | 1,215    | 1,006    | 2,077    | 1,795    | 1,771                   |
| The Lohri canal   | ...      | ...      | ...      | ...      | ...                 | 454      | 679      | 409      | 407      | 602                     |
| Manchar lake  | 4,028    | 2,317    | 3,841    | 9,702    | 5,205               | 4,806    | 9,146    | 3,140    | 7,919    | 6,403                   |
| Wells   | 6        | ...      | 17       | 3        | 7                   | 12       | 2        | 16       | 7        | 9                       |
| Harani  | 40,210   | 46,561   | 18,560   | 44,385   | 38,254              | 26,819   | 59,339   | 37,801   | 49,320   | 43,328                  |
| Hill springs  | 491      | 270      | 332      | 393      | 371                 | 112      | 503      | 119      | 95       | 465                     |
| Total   | 65,740   | 70,022   | 43,671   | 76,552   | 63,716              | 56,309   | 100,678  | 63,230   | 79,601   | 74,955                  |

As far as the Western Nara and its Dingri branch are concerned, it will be noticed that, but for a good inundation and heavy floods combined in the year 1894-95, the average for the second period of four years would have probably been about the same as for the first. In other words, the Nara has worked in a fairly uniform manner for the whole period, with the exception of the year 1894-95. As it is said that for some years previous to 1889 the supply in the Western Nara had considerably deteriorated, due to river erosion at its mouth near Larkana, and that since 1891 the Pritchard wah has afforded great help, it will be interesting to examine the figures from 1884-85, when the Johi Taluka was formed :

|  | 1884-85. | 1885-86. | 1886-87. | 1887-88. | 1888-89. | Average. |
|--|----------|----------|----------|----------|----------|----------|
| Western Nara and Dingri branch, including Kur Kalan wah. | 22,199   | 21,488   | 19,966   | 18,053   | 17,647   | 19,870   |

Taking the figures of cultivation of one year with another throughout the whole period from 1884-85 to 1896-97, and making allowance for variations in the river inundation, it is evident that, as far as this one taluka of the Nara system is concerned, matters have been virtually stationary. The Engineer himself says: "The area and revenue of the Nara have remained nearly stationary since the improvements carried out in 1890-91;" but, excepting the slight decrease in the years 1887-88 and 1888-89, the improvements carried out do not seem to have affected cultivation in the Johi Taluka to any appreciable extent, whatever they may have done to other talukas of the Western Nara dependent on them.

Cultivation on the Sakro branch has steadily increased. The cultivation on rainfall (*barani*) is naturally subject to considerable fluctuation, not only in reference to the amount of rain, but also as to whether its fall is seasonable or otherwise.

Wells.

18. There are at present 74 wells in the taluka, which may be arranged thus:--

#### WELLS.

|                          | IN GOVERNMENT LAND. |          |        | IN JAGIRS. |          |        | Grand Total of Government and Jagirs. |
|--------------------------|---------------------|----------|--------|------------|----------|--------|---------------------------------------|
|                          | In use.             | Disused. | Total. | In use.    | Disused. | Total. |                                       |
| For cultivation ...      | 2                   | 2        | 4      | 17         | ...      | 17     | 21                                    |
| For drinking purposes .. | 46                  | ...      | 46     | 7          | ...      | 7      | 53                                    |
| Total ...                | 48                  | 2        | 50     | 24         | ...      | 24     | 74                                    |

Separate figures for the period during which the Johi Taluka was merged in the talukas of Dadu and Sehwan are not available. The amount of cultivation on wells is very insignificant, representing an annual average of 14 acres during the past 10 years. Small patches of jwar, wheat, barley and garden produce are grown. In the *kacho*, or hill tract, water is obtained at a depth varying from 90 to 105 feet, and the wells contain about 6 feet of water, whilst in the Sind portion of the taluka the depth down to water is from 45 to 60 feet, and the amount of water remaining in wells is about 10 feet. The water is sometimes sweet; sometimes, brackish. Wells are not used for aiding other irrigation. There is practically no second crop grown on wells.

19. In order to examine the revenue history of the taluka in the greater detail involved by the use of the new form of settlement report adopted in Sind since the time

Revenue History of Taluka.

that the late Mr. Disney submitted his report No. 129 of 21st February 1891, which is with Government, it is necessary to briefly recapitulate the circumstances of the formation and condition of the taluka. From 1865 till 1884-85, the Johi Taluka, which had originally existed as a separate taluka, was merged in the surrounding talukas of Dadu and Sehwan for convenience of revenue administration. Under the authority of Government, contained in Government Resolution No. 9334 of 25th November 1884, it was again formed into a separate taluka in 1884-85, and has so remained to the present day. It did not, however, attain the complete form it has at present until the year 1893, when 16 dehs of the Kakar Taluka were transferred to it under the authority of Government Resolution No. 5511 A of 1st September 1893. The component parts of the taluka being under various settlements obtaining in the talukas of which they originally formed portions has somewhat complicated the work of preparing this report. The taluka has been accurately described as being, geologically, divided into two distinct portions. "There is first the usual alluvial plain of the Indus valley, and then, west of this, a vast tract of flat, bare country composed of the debris washed down from the western hills, and rising very gradually from east to west till it touches the inner ridge of



the frontier range. The road passing south from Phulji to Johi and thence south-west to the Sehwan Taluka roughly marks the dividing line between the two tracts of country. The western tract lies along the base of the western hills from the south-western corner of Sehwan to the 'Kacho' country of Kalat, and is named 'Kacho' to distinguish it from 'Sind,' the alluvial portion of the Indus valley. The 'Kacho' consists of very fertile soil, and is cultivated on the water of hill-torrents and rain. With seasonable rain and good hill-floods, the crops are exceptionally fine, but this combination is by no means constant. The land is formed into plots by embankments, and into these the hill-water is turned. Juari is the chief crop grown. There is also some cotton, but of this it has been reported that the exuberant fertility of the soil seems to cause exceptional vigour in the plant, and to produce an excess of wood-leaf with a comparatively small out-turn of cotton." When the rainfall is late, as happened last year, the ground is soaked for rabi sowings, mainly of oil-seeds, but also of wheat. In the last survey (1889-90), the "Kacho" tract was divided into 57 villages, of which 3 are jagirs. The area measured into Survey Numbers was 83,302 acres, of an average size of 5.82 acres. No settlement has been introduced into the "Kacho" because of the varying area of cultivation, which depends on the greater or less supply of water obtained. Mr. Disney, in his report, states the circumstances of the taluka have improved since the time of Colonel Haig's report, inasmuch as the floods from Upper Sind, which formerly caused so much damage, have quite ceased, owing to the extensive protective works carried out by Government. He also says there is a very large area of "rel barani," or unembanked rain land, in the "Kacho" tract which has not been measured into Survey Numbers.

20. Owing to the inclusion in the taluka of Johi in 1893 of 16 dehs from the Kakar Taluka, and of one jagir (Bahawalpur) having lapsed to Government, as also of another jagir (Drig Hethin) having been sub-divided into two at the time of the measurement of canal-irrigated jagirs, the composition of the taluka is now as follows :—

| Government Villages. |             | Jagir Villages. |             | TOTAL.    |             |
|----------------------|-------------|-----------------|-------------|-----------|-------------|
| 95                   |             | 6               |             | 101       |             |
| Surveyed.            | Unsurveyed. | Surveyed.       | Unsurveyed. | Surveyed. | Unsurveyed. |
| 75                   | 20          | 2               | 4           | 77        | 24          |

As, however, the 16 dehs transferred from Kakar are under a legal guarantee until the year 1902-03, they are not being included in the present revision of rates. Deducting, therefore, from the total number of dehs 15 Government villages and 1 jagir, the proposals embrace 80 Government villages and 5 jagirs. In Mr. Disney's report, 79 Government villages and 5 jagirs are mentioned, but in 1893 the Bahawalpur jagir lapsed, making an additional Government village, whilst the sub-division of the Drig Hethin jagir into two left the number of jagirs unchanged. Of the 80 Government villages, 11 are unsurveyed villages. There are thus 69 Government villages included in the present settlement proposals. Of these, 43 are *barani* and 26 canal-irrigated villages. The two jagirs of Drig Hethin and Suranjri are also irrigated by canals.

21. Of the 26 canal-irrigated villages, 23 are under survey settlement and 3 were newly formed at the time of revision survey in 1889-90. The settlements in force at present in the 23 villages mentioned are as follow : In the 15 dehs named below, the revision settlement sanctioned for the Dadu Taluka, and

guaranteed for 10 years from 1880-81 (*vide* paragraph 4 of Government Resolution No. 6449 of 18th September 1852) :—

- |                    |                |
|--------------------|----------------|
| 1 Gaha.            | 8 Dara Machhi. |
| 2 Abad.            | 9 Per Dhuari.  |
| 3 Chana.           | 10 Shah Morio. |
| 4 Khariehh.        | 11 Phulji.     |
| 5 Jampur Pahwarki. | 12 Mothiri.    |
| 6 Vageji.          | 13 Bahawalpur. |
| 7 Johi.            | 14 Khat.       |

15 Kur Jamik.

In the 5 villages of (1) Shah Hasan, (2) Lohri, (3) Dabhri, (4) Makhan Belo, (5) Khanwah, which were transferred from the Sehwan Taluka, a temporary (irrigational) settlement, sanctioned by Government Resolution No. 195 of 9th January 1884.

In the 3 villages of (1) Gahi Charo, (2) Sakho and (3) Aruni, also transferred from Sehwan, the revision settlement sanctioned for that taluka, and extended in the case of these 3 villages by Government Resolution No. 2859 of 9th May 1887, until a fresh settlement be introduced.

22. At present, therefore, 18 villages are under old revision settlements of the talukas of Dadu and Sehwan, whilst 5 are under a special irrigational settlement sanctioned for that portion of the Sehwan Taluka. The same special irrigational settlement also included one barani village (Pir Wahi Gaji). The taluka of Johi, since its re-constitution in 1884-85, has not been affected by the later settlements introduced into the Dadu and Sehwan Talukas, to which it previously belonged.

23. Under the former revision settlements, a field-to-field classification was effected, and maximum rates marginally noted fixed for groups of villages, from which the assessment for each individual field was deduced after a liberal allowance for faults of soil and water. Under an irrigational settlement, uniformity of soil is assumed, and villages are grouped according to advantages of water-

supply, proximity to markets, and facilities of communication, &c. The cultivator pays for the kind of irrigation utilised.

24. The figures of occupied area, cultivated area, demand, remissions, collections and balances for the period of 13 years from 1884-85 to 1896-97 are shown in the subjoined table :—

TABLE I.

| Year.                        | Occupied Area. | Actual cultivated Area, including twice-cropped land. | * Revenue-assessed Area. | Net Demand. | Remissions. | Collections. | Outstanding Balances. |
|------------------------------|----------------|---|--------------------------|-------------|-------------|--------------|-----------------------|
| 1                            | 2              | 3   | 4                        | 5           | 6           | 7            | 8                     |
|                              | Acres.         | Acres.  | Acres.                   | Rs.         | Rs.         | Rs.          | Rs.                   |
| 1884-85 ... ..               | 74,093         | 70,917  | 71,887                   | 1,18,187    | 2,158       | 1,15,187     | 842                   |
| 1885-86 ... ..               | 65,135         | 56,768  | 57,843                   | 1,04,144    | 7,543       | 94,508       | 2,093                 |
| 1886-87 ... ..               | 61,719         | 52,688  | 53,992                   | 93,411      | 4,598       | 87,003       | 1,810                 |
| 1887-88 ... ..               | 58,883         | 42,817  | 44,961                   | 82,463      | 5,297       | 76,738       | 428                   |
| 1888-89 ... ..               | 54,901         | 38,845  | 41,381                   | 77,576      | 13,076      | 60,793       | 3,707                 |
| Average of 1st four years... | 60,159         | 47,779  | 49,544                   | 89,398      | 7,628       | 79,760       | 2,010                 |
| 1889-90 ... ..               | 79,259         | 69,026  | 71,169                   | 1,13,910    | 1,289       | 1,08,073     | 4,548                 |
| 1890-91 ... ..               | 81,107         | 80,931  | 83,198                   | 1,18,042    | ...         | 1,03,568     | 14,474                |
| 1891-92 ... ..               | 57,816         | 48,772  | 49,944                   | 87,369      | 7,947       | 79,112       | 310                   |
| 1892-93 ... ..               | 92,857         | 78,826  | 80,069                   | 1,47,985    | 12,843      | 1,19,586     | 15,556                |
| Average of 2nd four years... | 77,759         | 69,388  | 71,095                   | 1,16,826    | 5,519       | 1,02,585     | 8,722                 |
| 1893-94 ... ..               | 132,799        | 49,005  | 52,326                   | 98,503      | 26,087      | 70,621       | 1,795                 |
| 1894-95 ... ..               | 153,396        | 89,838  | 94,683                   | 1,72,035    | 47,212      | 1,19,140     | 5,683                 |
| 1895-96 ... ..               | 136,000        | 54,693  | 60,338                   | 1,14,820    | 13,733      | 99,083       | 2,004                 |
| 1896-97 ... ..               | 141,238        | 67,882  | 74,263                   | 1,37,918    | 22,717      | 1,12,609     | 2,592                 |
| Average of 3rd four years... | 140,858        | 65,354  | 70,402                   | 1,30,819    | 27,437      | 1,00,363     | 3,019                 |

For details of revenue assessed area, *vide* Table II.

To the figures of the 3rd four years must be added those of the 16 dehs transferred from Kakar in 1893, as below :—

| Year.       | Occupied Area. | Actual cultivated Area including twice-cropped land. | Revenue-assessed Area. | Net Demand. | Remissions. | Collections. | Outstanding Balances. |
|-------------|----------------|--|------------------------|-------------|-------------|--------------|-----------------------|
| 1           | 2              | 3  | 4                      | 5           | 6           | 7            | 8                     |
|             | Acres.         | Acres.   | Acres.                 | Rs.         | Rs.         | Rs.          | Rs.                   |
| 1893-94 ... | 12,747         | 9,673  | 9,709                  | 15,606      | 215         | 15,391       | ...                   |
| 1894-95 ... | 16,289         | 14,422   | 14,174                 | 22,394      | 311         | 21,336       | 747                   |
| 1895-96 ... | 12,636         | 10,190   | 10,214                 | 15,590      | ...         | 15,561       | 29                    |
| 1896-97 ... | 16,291         | 13,872   | 13,950                 | 20,700      | ...         | 20,676       | 24                    |
| Average ... | 14,490         | 12,039   | 12,087                 | 18,572      | 131         | 18,241       | 200                   |

Adding this average to that of the 3rd four years shown above, the figures for the whole taluka for that period are :

|  |         |        |        |          |        |          |       |
|--|---------|--------|--------|----------|--------|----------|-------|
| Average of 3rd four years for whole taluka ... | 155,348 | 77,393 | 82,489 | 1,49,391 | 27,568 | 1,18,604 | 3,219 |
|--|---------|--------|--------|----------|--------|----------|-------|

25. For the purposes of comparison, it will be as well to exclude the figures for the 16 dehs of Kakar, as they tend to confusion and as the dehs themselves cannot be included in any settlement proposals until the expiry of the guarantee in them in 1902-03. The figures have for this reason been kept separate. Dealing with the remainder of the taluka as it has existed from 1884-85 to 1896-97, the following percentage increases and decreases may be shown :—

|  | Occupied Area. | Actual cultivated Area. | Demand minus Aliena-tions. | Collections. | Area under Dubari Cultivation. |
|--|----------------|-------------------------|----------------------------|--------------|--------------------------------|
|  | 1              | 2                       | 3                          | 4            | 5                              |
|  | Acres.         | Acres.                  | Rs.                        | Rs.          | Acres.                         |
| Percentage of average of 2nd four years over that of 1st four years. | +29.26         | +42.26                  | +30.68                     | +28.62       | +90.03                         |
| Percentage of average of 3rd four years over that of 2nd four years. | +81.15         | +47                     | +11.98                     | -2.17        | -76.83                         |
| Percentage of last year 1896-97 over that of 1st year (1884-85).     | +90.62         | +1.97                   | +16.69                     | -2.24        | -85.87                         |

The decrease percentages in column 5 are due to variations in area of land twice-cropped (*vide* Table II, column 7).

26. Details of actual cultivation, uncultivated portions, expired and unexpired fallows, and land twice-cropped are as follow :—

Table II.

| Year.       | Actual cultivated Area. | Uncultivated portions of Survey Numbers. | Expired Fallows. | Unexpired Fallows. | Total Area occupied. | Area twice-cropped. |
|-------------|-------------------------|--|------------------|--------------------|----------------------|---------------------|
| 1           | 2                       | 3  | 4                | 5                  | 6                    | 7                   |
|             | Acres.                  | Acres.                                   | Acres.           | Acres.             | Acres.               | Acres.              |
| 1884-85 ... | 65,871                  | 850                                      | 120              | 7,252              | 74,093               | 5,046               |
| 1885-86 ... | 55,179                  | 1,035                                    | 40               | 8,881              | 65,135               | 1,589               |
| 1886-87 ... | 47,659                  | 1,114                                    | 191              | 12,755             | 61,719               | 5,028               |
| 1887-88 ... | 40,025                  | 1,725                                    | 419              | 16,714             | 58,883               | 2,792               |
| 1888-89 ... | 36,377                  | 1,385                                    | 1,152            | 15,987             | 54,901               | 2,467               |
| Average ... | 44,810                  | 1,310                                    | 450              | 13,584             | 60,159               | 2,969               |
| 1889-90 ... | 65,740                  | 958                                      | 1,185            | 11,376             | 79,259               | 3,286               |
| 1890-91 ... | 70,022                  | 1,412                                    | 855              | 8,818              | 81,107               | 10,909              |
| 1891-92 ... | 43,671                  | 896                                      | 276              | 12,973             | 57,816               | 5,101               |
| 1892-93 ... | 75,552                  | 903                                      | 341              | 16,061             | 92,857               | 3,273               |
| Average ... | 63,746                  | 1,042                                    | 664              | 12,307             | 77,759               | 5,642               |
| 1893-94 ... | 46,968                  | 3,051                                    | 270              | 82,510             | 132,799              | 2,037               |
| 1894-95 ... | 87,639                  | 4,635                                    | 210              | 60,912             | 153,396              | 2,199               |
| 1895-96 ... | 54,412                  | 5,562                                    | 83               | 75,943             | 136,000              | 281                 |
| 1896-97 ... | 67,169                  | 6,381                                    | ...              | 67,688             | 141,238              | 713                 |
| Average ... | 64,047                  | 4,907                                    | 141              | 71,763             | 140,858              | 1,307               |
|             |                         | Kekar                                    | Dehs.            |                    |                      |                     |
| 1893-94 ... | 9,341                   | 36                                       | ...              | 3,366              | 12,743               | 332                 |
| 1894-95 ... | 13,039                  | 52                                       | ...              | 3,198              | 16,289               | 1,383               |
| 1895-96 ... | 8,818                   | 13                                       | 11               | 3,794              | 16,636               | 1,372               |
| 1896-97 ... | 12,432                  | 78                                       | ...              | 3,781              | 16,291               | 1,440               |
| Average ... | 10,907                  | 45                                       | 3                | 3,535              | 14,490               | 1,132               |

The total in column 4 of Table I (revenue-assessed area) is made up of the sum of the entries in columns 2, 3, 4 and 7 (Table II).

27. It has already been shown in paragraph 17 that, as far as the cultivation of the canal-irrigated portions of the taluka is concerned, and making allowance for the increase of cultivation due to the construction of the Sakro branch in 1889-90 and the Lohri canal in 1893-94, the Nara has worked very uniformly. The year 1894-95 was exceptionally good : otherwise, there has been very little variation in the annual average of cultivation, and the cultivation appears to have reached its limits as far as canal irrigation is concerned. The figures in Table I are for the whole taluka, and, the canal cultivation being practically constant, the fluctuations are due to cultivation on rainfall and the Manchar lake floods, and such fluctuations must always continue—at least, as far as rainfall is concerned. I may mention that the year 1884-85 was one of exceptional river-inundation and hill-floods combined. Hence, the large amount of cultivation. The total cultivation for the preceding year 1883-84 was 47,010 as against 70,917.



The fluctuations shown in Table I under the heading of "Occupied Area" are due to the inclusion of unexpired fallows and to the fact that, in unsurveyed rain lands, the constantly changing areas of cultivated land each year are shown as "occupied." The increase from 1893-94 is due to the increase of unexpired fallows (*vide* Table II, column 5). Details, with explanations, of remissions and outstanding balances are given in paragraphs 29 and 30.

28. The alienations for each year have been as follow :—

|         |     |     |     | Rs.      |
|---------|-----|-----|-----|----------|
| 1884-85 | ... | ... | ... | 15,195   |
| 1885-86 | ... | ... | ... | 15,194   |
| 1886-87 | ... | ... | ... | 69,158   |
| 1887-88 | ... | ... | ... | 68,751   |
| 1888-89 | ... | ... | ... | 68,799   |
| 1889-90 | ... | ... | ... | 68,009   |
| 1890-91 | ... | ... | ... | 69,164   |
| 1891-92 | ... | ... | ... | 67,609   |
| 1892-93 | ... | ... | ... | 62,647   |
| 1893-94 | ... | ... | ... | 1,04,917 |
| 1894-95 | ... | ... | ... | 1,03,133 |
| 1895-96 | ... | ... | ... | 1,07,080 |
| 1896-97 | ... | ... | ... | 1,01,751 |

|         |     |     |     | Kakar Dehs. |
|---------|-----|-----|-----|-------------|
| 1893-94 | ... | ... | ... | 9,860       |
| 1894-95 | ... | ... | ... | 9,629       |
| 1895-96 | ... | ... | ... | 9,629       |
| 1896-97 | ... | ... | ... | 9,629       |

The explanation of the increase between 1885-86 and 1886-87 is found in an order of the Commissioner in Sind, No. 1196 of 2nd April 1885, directing that in alienated lands the entire cultivable area (not the actual cultivated area only) should be assessed at the estimated rates. Similarly, the increase shown in the year 1893-94 was due to a modification in the rules for assessing jagir lands. The average rate of assessment for the taluka, obtained from the latest settlement report, was applied to cultivated areas only.

29. The remissions granted during the past thirteen years, *viz*, from 1884-85, the year of the re-constitution of the Johi Taluka, have been as follow. The main causes are as under :—

#### CAUSES OF REMISSION.

| Year.   | Floods, | Deficiency of Water. | Blight and Disease. | Frost. | Locusts. | Fallow expiry. | Uncultivated portions of Survey Nos. | Unauthorised Cultivation. |
|---------|---------|----------------------|---------------------|--------|----------|----------------|--------------------------------------|---------------------------|
|         | Rs.     | Rs.                  | Rs.                 | Rs.    | Rs.      | Rs.            | Rs.                                  | Rs.                       |
| 1884-85 | 639     | 714                  | 323                 | ...    | ...      | ...            | ...                                  | 150                       |
| 1885-86 | 562     | 6,832                | ...                 | ...    | ...      | ...            | ...                                  | 149                       |
| 1886-87 | 1,144   | 3,031                | ...                 | 423    | ...      | ...            | ...                                  | ...                       |
| 1887-88 | ...     | 5,297                | ...                 | ...    | ...      | ...            | ...                                  | ...                       |
| 1888-89 | ...     | 13,076               | ...                 | ...    | ...      | ...            | ...                                  | ...                       |
| 1889-90 | 846     | 443                  | ...                 | ...    | ...      | ...            | ...                                  | ...                       |
| 1890-91 | ...     | ...                  | ...                 | ...    | ...      | ...            | ...                                  | ...                       |
| 1891-92 | ...     | 7,947                | ...                 | ...    | ...      | ...            | ...                                  | ...                       |
| 1892-93 | 7,578   | 4,349                | ...                 | ...    | 318      | 352            | 219                                  | ...                       |
| 1893-94 | 13,951  | 10,175               | ...                 | ...    | ...      | 373            | 1,727                                | ...                       |
| 1894-95 | 21,322  | 21,165               | ...                 | ...    | ...      | 167            | 4,717                                | 152                       |
| 1895-96 | 145     | 7,521                | ...                 | ...    | ...      | 164            | 5,861                                | ...                       |
| 1896-97 | 3,730   | 11,704               | ...                 | ...    | 1,277    | ...            | 6,006                                | ...                       |



Remissions on uncultivated portions of Survey Numbers have been granted in connection with rain-lands (*barani*) only, in terms of the Commissioner in Sind's sanction contained in his No. 3354 of 21st August 1893. Where it has not been possible to cultivate an entire Survey Number on the rainfall, remission is granted on the uncultivated portion, provided it exceeds one-fourth of the whole area.

The remissions which call for particular notice are those on account of deficiency of water and floods in the years 1888-89, 1893-94, 1894-95 and 1896-97. In 1888-89, the details of remissions, to the extent of Rs. 13,076, are as follow :—

|   |                          |     |     | Rs.    | a. |
|---|--------------------------|-----|-----|--------|----|
| 1 | Deficient supply in Nara | ... | ... | 10,732 | 3  |
| 2 | " Manchar                | ... | ... | 764    | 3  |
|   |                          |     |     | 11,496 | 6  |
| 3 | " of rain                | ... | ... | 1,579  | 6  |
|   | Total                    | ... | ... | 13,075 | 12 |

The remissions on account of floods for the years 1893-94 and 1894-95 were due to overflow both from the Nara and the Manchar lake. The remissions on account of deficiency of water in the same years were on account of failure of rainfall in the Kachho tract, and also failure of the rabi crops sown in the higher land after the destruction of the kharif. The Manchar, too, fell rapidly, and the land was not sufficiently soaked for rabi cultivation. In 1896-97, the rainfall was scanty, the hill-channels were not filled, and the Manchar fell rapidly.

30. The outstanding balances with the amounts remitted for various causes are as follow :—

| Year.       | Amount outstanding. | Amount remitted. | Amount collected. | Balance. |
|-------------|---------------------|------------------|-------------------|----------|
|             | Rs. a.              | Rs. a.           | Rs. a.            | Rs.      |
| 1884-85 ... | 841 14              | 35 0             | 806 14            | ...      |
| 1885-86 ... | 2,093 1             | ...              | 2,093 1           | ...      |
| 1886-87 ... | 1,810 7             | ...              | 1,810 7           | ...      |
| 1887-88 ... | 427 10              | 303 0            | 124 10            | ...      |
| 1888-89 ... | 3,706 13            | 1,462 4          | 2,244 9           | ...      |
| 1889-90 ... | 4,548 6             | 3,858 9          | 689 13            | ...      |
| 1890-91 ... | 14,474 11           | 13,225 5         | 1,249 6           | ...      |
| 1891-92 ... | 310 3               | 205 10           | 104 9             | ...      |
| 1892-93 ... | 15,555 7            | 13,292 4         | 1,977 14          | 285 5    |
| 1893-94 ... | 1,794 14            | ...              | 1,394 14          | 400 0    |
| 1894-95 ... | 6,430 4             | 188 0            | 6,242 4           | ...      |
| 1895-96 ... | 2,032 9             | ...              | 1,582 4           | 450 5    |
| 1896-97 ... | 2,615 8             | ...              | 775 8             | 1,840 0  |

Of the larger amounts remitted, the explanations are the following: In the year 1889-90, the sum of Rs. 3,858-9-0 remitted was composed of Rs. 1,126-6-0 on account of fallows expired, of Rs. 2,646-3-0 remitted on account of poverty of land-owners, and Rs. 86 for special individual reasons. In 1890-91, the greater part (Rs. 10,248-2-0) of the sum of Rs. 13,225-5-0 remitted was on account of failure of crops from deficient water-supply, the balance being for time-expired fallows (Rs. 1,317-8-0), poverty and special reasons. In 1892-93, the largest portion (Rs. 12,425) of the total sum, Rs. 13,292-4-0, remitted was on account of uncultivated portions (each exceeding  $\frac{1}{4}$ th of total area) of Survey Numbers cultivated on rainfall (*barani*), the balance being made up of Rs. 300-12-0 on account of the difference between embanked (band) and unembanked (rel) *barani* lands, of a special remission (Rs. 476-8-0) to the

heirs of the late Kadir Baksh, jagirdar, in connection with funeral expenses, and of Rs. 90 due to an error of entering waste land as cultivated. The balances shown as still outstanding, with the exception of Rs. 11-6-0 in 1895-96 and Rs. 1,840 in 1896-97, are recoverable from the Manager, Incumbered Estates.

Condition of taluka in respect of Survey operations and the average Size of measured Survey Numbers.

31. The subjoined statement shows the condition of the taluka in respect of Survey operations up to the year 1889-90 :—

| Year.   | No. of Dehs. | TOTAL AREA.    |            | MEASURED.      |         |             |       | • UNMEASURED.  |         |             |        |
|---------|--------------|----------------|------------|----------------|---------|-------------|-------|----------------|---------|-------------|--------|
|         |              | Non-alienated. | Alienated. | Non-alienated. |         | Alienated.  |       | Non-alienated. |         | Alienated.  |        |
|         |              |                |            | Survey Nos.    | Area.   | Survey Nos. | Area. | Survey Nos.    | Area.   | Survey Nos. | Area.  |
| 1889-90 | 101          | 499,627        | 59,095     | 25,715         | 141,478 | 1,699       | 9,676 | 650            | 265,149 | 81          | 42,419 |

The average size of measured Survey Numbers is 5 acres and 25 guntas.

32. Since the abolition of the Survey Department, the statistics of the Revenue Department, annually recorded, are utilised for settlement purposes. The Settlement Officer personally visits and examines the tracts of country specially indicated by the Collector and Executive Engineer. In this taluka, however, it was the wish of the Honourable Mr. James that the canal-irrigated tract of dehs should be examined in detail, and this has accordingly been done. The barani (Kachh) tract has also been personally inspected.

33. Decreases and increases in unoccupied and occupied areas will be found in Appendix XIII. The Mukhtyarkar states that the causes of increases and decreases in unoccupied areas are chiefly (1) the hesitation shown by cultivators in resuming cultivation after a year of failure of rainfall or of deficient supply in the Nara, or after floods from the Manchhar, (2) the taking up of new land when circumstances seem likely to be favourable, which is often merely a matter of speculation.

34. Returns of cultivation for the past four years, i.e., for the entire taluka, including the Kakar dehs transferred to this taluka in 1893, show that 31.41 per cent. of the taluka is under "flow" irrigation, 6.33 under lift, and 59.23 under rain and hill-floods.

35. A map showing in different colours the distribution of flow and lift is attached as Appendix II.

36. The fluctuations under each kind of irrigation in the measured villages of the taluka for each year since 1884, when the taluka of Johi was re-constituted, are shown below :—

| Year.      | KHARIF.  |           |             |                     |           | RABI.    |           |            |                        |        | BARANI.    |           | Total.    |
|------------|----------|-----------|-------------|---------------------|-----------|----------|-----------|------------|------------------------|--------|------------|-----------|-----------|
|            | Gardens. | Rice.     | Other flow. | Flow added by lift. | Wheel.    | Flow.    | Wheel.    | Sailabi.   | Sailabi added by lift. | Bosi.  | Kharif.    | Rabi.     |           |
|            |          |           |             |                     |           |          |           |            |                        |        |            |           |           |
| Acres.     | Acres.   | Acres.    | A. g.       | A. g.               | A. g.     | A. g.    | A. g.     | A. g.      | A. g.                  | A. g.  | A. g.      | A. g.     | A. g.     |
| 1884-85    | 11 2     | 16,037 22 | 997 14      | ...                 | 1,813 11  | ...      | 1,897 35  | 8,837 15   | ...                    | ...    | 2,436 3    | ...       | 31,999 22 |
| 1885-86    | 8 18     | 17,566 28 | 918 25      | ...                 | 1,521 34  | ...      | 687 20    | 7,835 14   | ...                    | ...    | 220 31     | ...       | 28,788 10 |
| 1886-87    | 8 28     | 16,261 30 | 2,275 1     | ...                 | 1,426 2   | ...      | 687 0     | 6,857 35   | ...                    | ...    | 2 25       | ...       | 26,519 1  |
| 1887-88    | 12 32    | 13,111 14 | 1,071 15    | ...                 | 2,154 21  | ...      | 399 20    | 5,666 16   | ...                    | ...    | 333 18     | 14 7      | 22,667 23 |
| 1888-89    | 21 25    | 14,010 34 | 1,607 9     | ...                 | 2,618 15  | 809 6    | 880 1     | 2,601 5    | ...                    | ...    | 345 11     | ...       | 22,793 27 |
| 1889-90    | 14 9     | 9,677 25  | 2,361 35    | ...                 | 3,770 17  | 517 33   | 1,397 34  | 8,683 13   | ...                    | ...    | 505 13     | 822 18    | 27,843 39 |
| 1890-91    | 0 31     | 11,164 13 | 364 14      | ...                 | 1,934 30  | 1,180 25 | 3,151 27  | 4,068 38   | ...                    | ...    | 343 10     | 8,617 14  | 30,839 20 |
| 1891-92    | 8 9      | 11,830 16 | 936 35      | ...                 | 2,073 24  | ...      | 3,293 31  | 6,356 0    | 216 15                 | 4 35   | 53 31      | 21 33     | 24,795 20 |
| 1892-93    | 3 28     | 6,018 36  | 1,315 6     | ...                 | 2,763 37  | 28 5     | 2,404 38  | 12,569 29  | ...                    | ...    | 1,098 20   | 2 15      | 20,296 22 |
| 1893-94    | 13 30    | 10,109 22 | 1,371 23    | 182 15              | 2,465 17  | 20 15    | 2,681 15  | 12,725 0   | 1,255 16               | 9 20   | 18,730 10  | 61 20     | 49,682 9  |
| 1894-95    | 6 9      | 13,843 4  | 709 9       | ...                 | 2,927 20  | 3 8 24   | 1,578 0   | 10,536 16  | 1,886 25               | ...    | 48,440 4   | 816 2     | 90,080 6  |
| 1895-96    | 22 17    | 14,009 37 | 646 14      | 110 23              | 2,371 36  | 100 10   | 2,158 6   | 5,113 37   | 840 17                 | 712 39 | 30,212 31  | 1,051 29  | 67,988 19 |
| 1896-97    | 11 9     | 14,316 33 | 1,890 35    | 133 22              | 2,369 0   | ...      | 1,369 38  | 9,794 16   | 393 30                 | ...    | 37,307 10  | 3,973 2   | 71,757 4  |
| Total ...  | 143 7    | 166,959 3 | 10,533 39   | 430 20              | 30,327 34 | 2,954 4  | 23,024 34 | 110,196 33 | 4,242 23               | 727 13 | 140,221 10 | 16,270 20 | 511,972 0 |
| Average... | 11 1     | 12,843 0  | 1,271 34    | 38 23               | 2,332 30  | 229 22   | 1,740 27  | 8,869 30   | 326 14                 | 55 39  | 10,786 10  | 1,251 23  | 30,382 18 |

*Dehs transferred from Kakar.*

| Year.   | Kharif.  |       |             |                     |          | Rabi. |        |          |                        |       | Barani.  |          | Total.    |
|---------|----------|-------|-------------|---------------------|----------|-------|--------|----------|------------------------|-------|----------|----------|-----------|
|         | Gardens. | Rice. | Other flow. | Flow added by lift. | Wheel.   | Flow. | Wheel. | Sallabi. | Sallabi added by lift. | Bosi. | Kharif.  | Rabi.    |           |
|         |          |       |             |                     |          |       |        |          |                        |       |          |          |           |
| A. g.   | A. g.    | A. g. | A. g.       | A. g.               | A. g.    | A. g. | A. g.  | A. g.    | A. g.                  | A. g. | A. g.    | A. g.    |           |
| 1893-94 | 8 0      | ...   | ...         | ...                 | 398 38   | ...   | 13 35  | 66 31    | 65 35                  | ...   | 2,299 17 | 1,270 35 | 4,000 14  |
| 1894-95 | 24 38    | ...   | ...         | ...                 | 358 35   | ...   | 16 15  | 3 8 7    | 20 30                  | ...   | 2,264 31 | 1,753 5  | 4,017 1   |
| 1895-96 | 41 22    | ...   | ...         | ...                 | 409 11   | ...   | 10 15  | ...      | ...                    | ...   | 1,854 5  | 1,887 34 | 3,793 7   |
| 1896-97 | 30 23    | ...   | 5 25        | ...                 | 433 33   | ...   | ...    | ...      | ...                    | ...   | 2,067 22 | 1,255 0  | 3,792 23  |
| Total   | 115 3    | ...   | 5 25        | ...                 | 1,630 37 | ...   | 34 25  | 424 38   | 86 25                  | ...   | 8,455 35 | 5,666 34 | 16,450 22 |
| Average | 28 31    | ...   | 1 11        | ...                 | 407 29   | ...   | 8 26   | 106 10   | 21 26                  | ...   | 2,121 19 | 1,416 28 | 4,112 25  |

The years 1892-93, 1893-94 and 1894-95 were years of Manchar floods, which aid or injure rice cultivation in dehs in the vicinity, according as the water arrives late or early. The one certain effect, however, is to increase the area of rabi cultivation. In 1889-90, the Nara supply was insufficient for rice cultivation, but remained longer, with the results under "other flow" (which requires less water), "lift" and "Rabi flow and lift" shown against that year.

37. Increases and decreases of cultivation under each kind of irrigation in each deh of the taluka will be found in Appendix XIV. Separate forms (Appendix XIV A and B) for the groups of dehs transferred from Dadu and Sehwan from the year of commencement of the various settlements already mentioned have been prepared. From 1893-94, the new deh boundaries formed at time of revision survey were adopted, and cultivation recorded accordingly. As no system of grouping exists of the various dehs of which the taluka has been formed, figures for the last four years for the entire taluka (including the Kakar dehs) have been shown, year by year, in a special form (Appendix XIV C and D).

38. The area, in detail, of the chief crops grown during the past four years for the whole taluka (including those of the transferred Kakar dehs) is as follows:—

| Crops.              | 1893-94. | 1894-95. | 1895-96. | 1896-97. | Total.   | Average. |
|---------------------|----------|----------|----------|----------|----------|----------|
| Juar ...            | 26,262   | 47,934   | 31,535   | 40,110   | 1,45,846 | 36,461   |
| Bajri ...           | 159      | 181      | 612      | 909      | 1,861    | 465      |
| Rice ...            | 9,649    | 13,750   | 13,365   | 13,468   | 50,232   | 12,558   |
| Tir ...             | 2,122    | 10,074   | 4,502    | 7,217    | 23,915   | 5,979    |
| Cotton ...          | 506      | 2,241    | 466      | 327      | 3,540    | 885      |
| Wheat ...           | 6,359    | 6,342    | 5,603    | 3,822    | 22,126   | 5,531    |
| Oil-seeds } Jambhon | 2,316    | 5,619    | 2,320    | 4,358    | 14,613   | 3,653    |
|                     | 1,229    | 2,437    | 1,357    | 1,264    | 6,287    | 1,572    |
| Ahur (mustard) ...  | 7,181    | 11,507   | 2,389    | 7,502    | 28,579   | 7,145    |

The fluctuations observable in the cultivation of the various years are recorded by the Revenue authorities as having been due to variations in rainfall and in the nature of the annual river inundations. The fluctuations in oil-seeds and in mustard represent the areas available by over-flow from the Manchar lake and the timely and untimely fall of winter and spring rains, which rains, under a hot sun and a rapidly drying soil, are greatly needed for this class of cultivation. There is no sugarcane or indigo cultivated, and no new staples have been introduced.

Forests and Plantations.

39. There are no forests or plantations in this taluka.

## Alienated Lands.

40. The alienated lands in this taluka consist of the following :—

|                             | Area.     | Assessment. | Jagir Cess. | Hakabo. |
|-----------------------------|-----------|-------------|-------------|---------|
|                             | A. g.     | Rs. a.      | Rs. a.      | Rs. a.  |
| Jagir, 1st class ...        | 51,174 2  | 97,304 15   | 1,179 12    | 1,737 1 |
| „ 2nd class ...             | 2,919 39  | 4,926 4     | 96 1        | 523 11  |
| „ 3rd & 4th class ...       | 5,000 26  | 7,997 4     | 30 3        | 111 10  |
| Total ...                   | 59,094 27 | 1,10,228 7  | 1,306 0     | 2,372 6 |
| Other grants ... { Seri ... | 512 38    | 987 15      |             |         |
| „ { Mamul.                  |           | 12 14       |             |         |

41. In the absence of any reliable series of crop-experiments in this taluka, the average outturn per acre of the principal crops, as ascertained from numerous enquiries on the ground, may be estimated as follows :—

|                            |                |
|----------------------------|----------------|
| Juar ...                   | 20 to 30 kasas |
| Rice ....                  | 25 to 40 „     |
| Tir ...                    | 10 to 15 „     |
| Wheat ...                  | 20 „           |
| Jambho ...                 | 18 „           |
| Oil-seeds ... { Sariha ... | 18 „           |
| „ { Mustard (Ahur)...      | 18 „           |
| Tobacco ...                | 12 maunds      |
| Cotton (uncleaned) ...     | 4 „            |

Note.—As far as I have seen on personal inspection, the estimate for cotton is too low. Probably, 5 or 6 maunds would be nearer the mark.

42. The average prices of the chief staples of the taluka during the past ten years are shown below. The Revenue authorities state that the fluctuations in prices are due to variations in demand and supply, consequent on the vicissitudes of harvests in a taluka largely dependent on a water-supply from rain in the hills as well as on the varying nature of the river-inundation. The prices also reflect the condition of the markets of neighbouring talukas as well as of the more distant markets to which produce is exported :—

| Year.                                | Juar per Kharar.   | Bajri per Kharar. | Rice in husk per Kharar. |                  |                  |                  | Tir per Kharar.    | Wheat per Kharar. | Jambho per Kharar. | Sariha per Kharar. | Ahur per Kharar.   | Cotton per Maund. |                    | Tobacco per Maund. |
|--------------------------------------|--------------------|-------------------|--------------------------|------------------|------------------|------------------|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|
|                                      |                    |                   | Lari,                    | Tor,             | Satharinn,       | Naindod,         |                    |                   |                    |                    |                    | Uncleaned.        | Cleaned.           |                    |
|                                      | Rs.                | Rs.               | Rs.                      | Rs.              | Rs.              | Rs.              | Rs.                | Rs.               | Rs.                | Rs.                | Rs.                | Rs. a.            | Rs. a.             | Rs. a.             |
| 1888 ...                             | 30                 | 37                | 27                       | 24               | 25               | 27               | 60                 | 53                | 50                 | 64                 | 70                 | 3 8               | 16 8               | 5 8                |
| 1889 ...                             | 42                 | 48                | 32                       | 29               | 30               | 33               | 85                 | 59                | 52                 | 75                 | 68                 | 3 4               | 13 4               | 6 0                |
| 1890 ...                             | 37                 | 43                | 29                       | 27               | 28               | 30               | 90                 | 54                | 48                 | 70                 | 68                 | 3 4               | 14 8               | 5 0                |
| 1891 ...                             | 30                 | 35                | 23                       | 20               | 21               | 23               | 80                 | 50                | 49                 | 72                 | 68                 | 3 8               | 14 12              | 4 0                |
| 1892 ...                             | 45                 | 50                | 35                       | 32               | 33               | 35               | 84                 | 70                | 64                 | 76                 | 72                 | 3 0               | 14 8               | 6 0                |
| 1893 ...                             | 48                 | 53                | 34                       | 31               | 32               | 35               | 80                 | 48                | 48                 | 74                 | 68                 | 3 8               | 16 0               | 7 0                |
| 1894 ...                             | 38                 | 43                | 32                       | 28               | 30               | 33               | 92                 | 47                | 49                 | 70                 | 60                 | 3 4               | 14 0               | 5 0                |
| 1895 ...                             | 40                 | 44                | 30                       | 28               | 28               | 30               | 90                 | 60                | 50                 | 72                 | 60                 | 3 8               | 16 0               | 4 0                |
| 1896 ...                             | 45                 | 55                | 32                       | 28               | 30               | 32               | 80                 | 70                | 64                 | 72                 | 66                 | 3 0               | 13 0               | 4 0                |
| 1897 ...                             | 63                 | 80                | 42                       | 40               | 42               | 44               | 98                 | 80                | 90                 | 90                 | 70                 | 3 8               | 16 0               | 5 0                |
| Average of 1st five years 1888-1891. | Rs. a. p. 30 12 10 | Rs. a. p. 43 9 7  | Rs. a. p. 29 3 2         | Rs. a. p. 26 6 5 | Rs. a. p. 27 6 5 | Rs. a. p. 29 9 7 | Rs. a. p. 83 12 10 | Rs. a. p. 59 3 2  | Rs. a. p. 53 8 2   | Rs. a. p. 71 6 5   | Rs. a. p. 68 12 10 | Rs. a. p. 3 4 10  | Rs. a. p. 14 11 2  | Rs. a. p. 5 4 10   |
| Average of 2nd 5 years 1892-97.      | Rs. a. p. 47 6 5   | Rs. a. p. 55 0 0  | Rs. a. p. 34 0 0         | Rs. a. p. 30 9 7 | Rs. a. p. 32 6 5 | Rs. a. p. 35 9 7 | Rs. a. p. 89 9 7   | Rs. a. p. 61 0 0  | Rs. a. p. 60 0 0   | Rs. a. p. 75 9 7   | Rs. a. p. 64 12 10 | Rs. a. p. 3 5 7   | Rs. a. p. 14 12 10 | Rs. a. p. 5 0 0    |



With the exception of tobacco, of which relatively little is grown and of which prices have remained stationary, and of ahur, whose value has slightly decreased, it will be observed from the above table that the average price of all classes of produce during the past five years has increased.

43. The value of land as shown by the Registration returns of sales and mortgages (Appendices VII and IX) during the past six years has been as follows :—

#### I.—SALES.

| Year.        | Number of Cases. | Minimum Rate per Acre. | Maximum Rate per Acre. | Average per Acre. | Average Assessment per Acre. |
|--------------|------------------|------------------------|------------------------|-------------------|------------------------------|
|              |                  | Rs. a. p.              | Rs. a. p.              | Rs. a. p.         | Rs. a. p.                    |
| 1891 ...     | 59               | 4 13 7                 | 116 8 1                | 10 6 10           | 1 6 6                        |
| 1892 ..      | 85               | 3 15 1                 | 92 0 0                 | 9 7 5             | 1 11 3                       |
| 1893 ...     | 105              | 7 7 8                  | 56 11 8                | 13 7 7            | 1 15 5                       |
| 1894 ...     | 142              | 9 8 3                  | 73 14 1                | 22 12 3           | 1 13 10                      |
| 1895 ...     | 136              | 9 2 1                  | 106 10 8               | 39 3 11           | 2 1 10                       |
| 1896 ...     | 151              | 8 2 9                  | 139 8 0                | 24 7 3            | 1 14 8                       |
| Total Cases. | 678              |                        |                        |                   |                              |

Figures for previous years are said to be not available. In addition to the prices shown in bonds, the Mukhtyarkar states that in private sales the following prices obtain : for superior land, Rs. 40—60 per acre ; for good land, Rs. 20—40 ; and for inferior land, Rs. 10.

The prices for lands watered by floods from the Nai Gaj are, for the classes mentioned, Rs. 10, 30 and 20, respectively, and for land on rainfall only Rs. 15—20, 10 and 5.

#### II.—MORTGAGES.

| Year.        | Number of Cases. | Minimum Rate per Acre. | Maximum Rate per Acre. | Average per Acre. | Average assessment per Acre. |
|--------------|------------------|------------------------|------------------------|-------------------|------------------------------|
|              |                  | Rs. a. p.              | Rs. a. p.              | Rs. a. p.         | Rs. a. p.                    |
| 1891 ...     | 177              | 3 4 11                 | 37 8 0                 | 3 9 3             | 1 6 11                       |
| 1892 ...     | 232              | 4 5 5                  | 65 0 0                 | 4 15 9            | 1 8 6                        |
| 1893 ...     | 125              | 5 4 11                 | 55 8 0                 | 6 1 1             | 1 10 0                       |
| 1894 ...     | 164              | 4 6 1                  | 92 13 9                | 6 5 8             | 1 13 1                       |
| 1895 ...     | 193              | 3 8 8                  | 52 3 3                 | 4 7 6             | 1 10 2                       |
| 1896 ...     | 130              | 3 10 4                 | 213 5 5                | 5 5 3             | 1 12 10                      |
| Total Cases. | 1,021            |                        |                        |                   |                              |

The following are particulars connected with mortgages with and without possession, respectively, during the period 1891 to 1896, inclusive :—

#### Total land mortgaged.

|                     | Number of Cases. | Area.     | Amount.      | Average Rate per Acre. | Total Assessment. | Average Assessment per Acre. |
|---------------------|------------------|-----------|--------------|------------------------|-------------------|------------------------------|
|                     |                  | A. g.     | Rs. a. p.    | Rs. a. p.              | Rs. a. p.         | Rs. a. p.                    |
| With possession ... | 791              | 55,355 32 | 2,89,432 8 5 | 5 3 8                  | 86,787 5 0        | 1 9 1                        |
| Without possession. | 230              | 23,592 26 | 93,455 0 0   | 3 15 4                 | 38,505 12 0       | 1 10 1                       |
|                     | 1,021            | 78,948 18 | 3,82,887 8 5 | 4 13 7                 | 1,25,293 1 0      | 1 9 5                        |



The following abstracts from Appendices VII and IX show the extent to which lands have changed hands by sale and mortgage during the period 1891-96, inclusive :—

| No. of Cases.  | Area.     | Nominal Sum for which sold. | Nominal sale Rate per Acre. | Total Assessment. |
|----------------|-----------|-----------------------------|-----------------------------|-------------------|
|                | A. g.     | Rs. a. p.                   | Rs. a. p.                   | Rs. a. p.         |
| I.—SALES.      |           |                             |                             |                   |
| 678            | 18,309 36 | 3,87,829 10 5               | 21 3 0                      | 33,054 11 0       |
| II.—MORTGAGES. |           |                             |                             |                   |
| 1,021          | 78,948 18 | 3,82,887 8 5                | 4 13 7                      | 1,25,293 1 0      |

44. Of the sales above shown, an area of 11,020 acres 39½ guntas, with an assessment of Rs. 19,833-8-0, and of mortgages a total area (with and without possession) of 76,687 acres 2½ guntas, with an assessment of Rs. 1,20,663-9-0, have passed during the years 1891-96, inclusive, from Muhammadans to Hindus. Less than one thousand acres by sale and less than two hundred acres by mortgage have changed hands from Hindus to Muhammadans. The Mukhtyarkar of the taluka attributes the sale and mortgage of land to the general indebtedness which is due partly to vagaries of water-supply with failure of crops and partly to expenses connected with the ceremonials of marriages, &c. Necessarily, in a taluka dependent largely on rain-falls in the hills, agricultural operations must be uncertain and precarious. In that portion, also, of the taluka watered by irrigation from the river, the success or failure of cultivation depends not only on the nature of the inundation, but on its periodic rise and fall, whether timely or otherwise.

45. The land tenure in this taluka is that obtaining generally throughout the Province. The land is cultivated by small land-owners in person or by large owners through tenants-at-will (haris), chiefly on a system of "batai" (division of produce). Land is also occasionally sub-let on leases for varying periods. The modes of division of produce in connection with the various forms of irrigation are as follow :—

In un-embanked rain lands (vel larani) half and half  
 „ embanked „ (band barani) „

except where the work of embanking is heavy and is performed by the tenant, in which case the latter gets two-thirds.

In kharif and rabi lift.—Owner one-fourth, tenant three-fourths, unless tenant has received pecuniary aid from owner, when the division is into three shares—one to owner and two to tenant, who has also to repay the loan, but without interest.

In flow (rice).—Two shares to owner and three to tenant. The tenant finds the seed, whilst the owner clears the canals and makes the banks.

In other flow.—Ordinarily, two shares to owner and three to tenant; but where, owing to deficient water, the tenant at his own expense erects a wheel to obtain additional water, the division is frequently into two shares to tenant and one to owner.

In natural inundation (sailab) wheat.—Two shares to owner and three to tenant, the latter providing the seed.

In natural inundation mustard oil and rape seeds. And in artificial inundation (bosi).—Ordinarily, half and half, the tenant providing the seed. Where, however, the tenant has to clear heavy jungle, the division becomes three shares to the tenant and two to the owner.

In natural and artificial inundation aided by wheel.—One share to owner and two to tenant.

It is the custom in this taluka to "batai" cotton and tobacco. In cotton cultivation, two shares go to the owner and one to the tenant, and in tobacco cultivation the reverse.

In the rain-lands of the Kacho tract, it is not the custom for owners to make advances to their tenants, but on canal-irrigated lands such custom exists. Details of such advances are as follow :—

| Mode of irrigation.  | Amount of Seed<br>sown per Jireb<br>( $\frac{1}{3}$ acre). | Advance made<br>per Jireb for Seed<br>and other expenses.<br>Rs. |
|--|--|--|
| Flow (rice) ... { Broad-cast 5 troyas }<br>... { Drill-sown 1 kaso.. }                       |  | 1  |
| Other flow ... $1\frac{1}{2}$ troyas ...   |  | 1  |
| Kharif lift ... $1\frac{1}{2}$ " ...   | 60 per "nar" of 12 acres.                                  |  |
| Rabi lift ... 6 " ...  | 1 per jireb.   |  |
| Natural inundation.. 2 kasas ...   | 2 "  |  |
| Natural inundation<br>aided by lift or flow<br>and artificial inun-<br>dation ... 2 kasas... | 2 "  |  |

Note. The troya is a measure containing four patis, Four troyas equal 1 kasa and 60 kasas equal 1 kharar.

The owner recovers his advances from the tenant's share of the produce, but in case of a tenant in difficulties—from failure of crops or other causes—the recovery is deferred to a subsequent harvest.

46. The amount of pressure exercised in the recovery of the revenue during the past five years is shown in Appendix XXII. Summarised, it stands thus: 1,704 cases of issue of notice under S. 152, Land Revenue Code, 5 cases of distraint and sale of moveable property under S. 154, and 28 cases of forfeiture of land under the rules for time-expired fallows, S. 153. There have been no cases of penalty under S. 148 (unpunctual payment), or of arrest and imprisonment under S. 157 (arrears of land revenue).

47. The number of the present holdings and their areas are as follow :—

| Size of Holdings. | Acres. | Acres. |       |
|-------------------|--------|--------|-------|
| Within 5          | ...    | ...    | 969   |
| From 5 to 10      | ...    | ...    | 1,106 |
| " 10 to 20        | ...    | ...    | 1,170 |
| " 20 to 30        | ...    | ...    | 611   |
| " 30 to 50        | ...    | ...    | 564   |
| " 50 to 100       | ...    | ...    | 416   |
| " 100 to 300      | ...    | ...    | 203   |
| " 300 to 500      | ...    | ...    | 11    |
| " 500 to 1,000    | ...    | ...    | 17    |
| " 1,000 to 2,000  | ...    | ...    | 9     |
| " 2,000 to 3,000  | ...    | ...    | 1     |

Of the holders of estates of between 500 and 1,000 acres, two are Hindus, and of estates over 1,000 acres, all are Muhammadans. Increases and decreases in the principal estates are shown in Appendix No. XXI. Some 29 zamindari karias and several smaller channels have been dug during the past 13 years, but they are not efficiently maintained. With the exception of these water-courses, no other improvements, irrigational or agricultural, have been made.

48. In accordance with the wish of the Commissioner in Sind, all the canal and Manchar irrigated dehs of the taluka have been visited and examined on the ground. The late Mr. Disney, in his settlement report, after careful consideration of their circumstances, placed all these dehs in two groups. The

Remarks on present condition of dehs of taluka and on rates proposed by the late Mr. Disney, with summary of the Hon'ble Mr. James' review of that officer's proposals.

first group comprised 8 dehs transferred from the Sehwan Taluka and 9 from the Dadu Taluka, and the second group the remaining canal-irrigated dehs transferred from Dadu together with the three newly formed villages of Buthi, Kur Kalan and Machhko and the Jagir village of Drigh Hethin. With the exception of the three new dehs mentioned, all the dehs were under survey settlements already described in paragraph 21. The names of the dehs included in the two groups were—

## Group I.

- |                 |                  |
|-----------------|------------------|
| 1. Shah Morio.  | 9. Khariehh.     |
| 2. Bahawalpur.  | 10. Sakhro.      |
| 3. Johi.        | 11. Khan wah.    |
| 4. Dara Machhi. | 12. Gahi Charo.  |
| 5. Gaha.        | 13. Aruni.       |
| 6. Chana.       | 14. Makhan Belo. |
| 7. Abad.        | 15. Lohri.       |
| 8. Per Dhuari.  | 16. Shah Hasan.  |
|                 | 17. Dabhri.      |

## Group II.

- |                           |                      |
|---------------------------|----------------------|
| 18. Phulji.               | 23. Kur Jamik.       |
| 19. Mothiri.              | 24. Jampur Pahwarki. |
| 20. Khat.                 | 25. Vageji.          |
| 21. Drigh Hethin (Jagir). | 26. Kur Kalan.       |
| 22. Buthi.                | 27. Machhko.         |

The Acting Commissioner in Sind (Colonel R. I. Crawford), in forwarding the settlement proposals to Government, stated in his No. 2074 of 19th June 1891 that "the Collector of Karachi assents to the grouping, with the single exception that he considers that the village of Per Dhuari should be transferred from the 1st to the 2nd Group on the ground that the lands in that village are high, and, as regards water-supply, more on a par with the other villages in the 2nd Group. Mr. Disney has no objection to the change." The change left 16 dehs in the 1st Group and 11 in the second (one being a jagir).

49. The rates proposed in the same settlement report for the two groups were as follow :—

|  |     |     |     |     |     | RATE PER ACRE.           |                          |
|--|-----|-----|-----|-----|-----|--------------------------|--------------------------|
|  |     |     |     |     |     | 1st Group<br>of 17 dehs. | 2nd Group<br>of 10 dehs. |
|  |     |     |     |     |     | Rs. a.                   | Rs. a.                   |
| Gardens, sugarcane and vegetables                    | ... | ... |     |     |     | 3 0                      | 2 8                      |
| <i>Kharif.</i>                                       |     |     |     |     |     |                          |                          |
| Rice under flow                                      | ... | ... | ... | ... | ... | 3 0                      | 2 8                      |
| Other crops under flow                               | ... | ... | ... | ... | ... | 2 12                     | 2 4                      |
| Lift irrigation                                      | ... | ... | ... | ... | ... | 2 4                      | 1 12                     |
| Lift aided by flow                                   | ... | ... | ... | ... | ... | 2 8                      | 2 0                      |
| <i>Rabi.</i>   |     |     |     |     |     |                          |                          |
| Natural and artificial inundation (sailab and bosi). |     |     |     |     |     | 2 12                     | 2 4                      |
| " " " aided by lift                                  | ... | ... | ... | ... | ... | 3 12                     | 3 4                      |
| Rabi lift  | ... | ... | ... | ... | ... | 2 8                      | 2 0                      |

With reference to these rates, the Acting Commissioner in his letter above mentioned said: "As compared with the rates sanctioned for the Shivan Taluka last year (Government Resolution No. 3797 of 31st May 1890), they may at first sight appear too low; but from an intimate and long acquaintance with the two talukas, the Acting Commissioner does not consider that the difference in the rates is greater than it ought to be. These rates are about 4 annas lower than those proposed by Mr. Disney in his proposals for the introduction of an irrigational settlement into 41 villages of the Dadu Taluka. His report, No. 214, dated 26th March 1891, is submitted to Government under this office No. 2073 of to-day's date, and the present report for the Johi Taluka was kept back pending the receipt of the report for the Dadu Taluka, with a view to a comparison being drawn between the rates proposed for the two talukas. With both reports before him, the Acting Commissioner would adhere to the opinion he expressed when this report passed through his hands as Collector of Karachi that the rates proposed are judiciously moderate."

50. Dealing still with the canal and Manchar irrigated zone of the taluka, as apart from that watered by rain and hill floods, I may quote from a letter of the Mukhtyarkar of the taluka, addressed to the Assistant Collector, in which, after mentioning the following dehs of—

- |                 |              |
|-----------------|--------------|
| 1. Shah Morio,  | 5. Abad,     |
| 2. Bahawalpur,  | 6. Chana,    |
| 3. Dara Machhi, | 7. Kharichh, |
| 4. Gaha,        | 8. Sakhro    |

as requiring particular attention, he goes on to remark that "the lands of dehs Nos. 1 to 8 are most productive and pay small assessment." These dehs are under revision settlement and assessment is fixed on each Survey Number. In the case of unassessed Survey Numbers, however, the following average rates are levied whenever land is taken up:—

| Dehs.                         | RATE PER ACRE. |             |           |
|-------------------------------|----------------|-------------|-----------|
|                               | Rice.          | Other flow. | Lift.     |
|                               | Rs. a. p.      | Rs. a. p.   | Rs. a. p. |
| Shah Morio and Bahawalpur ... | 1 15 0         | 1 13 0      | 1 11 0    |
| Dara Machhi ...               | 2 9 0          | 2 1 0       | 1 13 0    |
| Gaha ...                      | 2 7 0          | 2 1 0       | 2 0 0     |
| Abad and Chana ...            | 2 12 0         | 2 3 0       | 2 5 0     |
| Kharichh ...                  | 2 12 0         | 2 3 0       | 2 6 0     |
| Sakhro ...                    | 2 11 0         | 1 13 0      | 1 12 0    |

51. It has already been shown that in Mr. Disney's settlement proposal these dehs have been placed in the 1st Group. A brief summary of my own notes, made on the ground at the time of personal inspection in reference to these and the remaining dehs of Mr. Disney's 1st Group, may be given:—

1. *Deh Shah Morio*.—A very well cultivated deh with a plentiful supply of water from the Nara and from several dhoras. A good deal of rabi cultivation by wheels on higher lands near dhoras. Flow land along Nara. Some rice in south and south-east.
2. *Deh Bahawalpur*.—Portion north of Khair wah. This part of deh very highly cultivated. Almost all flow from Nara. Some wheat cultivation near Nara. Fine crops. Also rabi cultivation by wheels on water from dhoras.

*Deh Bahawalpur*.—Portion south of Khair wah. An exceptionally well watered tract. All flow, except on banks of dhoras (depressions), where wheels are erected and the water of the dhoras utilised both for kharif and rabi cultivation. The canals led off the Nara tail into the dhoras.



3. *Deh Dara Machhi*.—Between main road from Johi to Kamal Khan's village and Nara, most of land cultivated on wheels. A little under  $\frac{2}{3}$  of deh to north and west, land is high and irrigable by wheel. All the rest of the deh to the south and south-east is cultivated on flow from the Dingri wah and karias from it, and is chiefly rice. Some Numbers to west of the waste Nos. 355, 356 are uncultivated, as they are high and water is insufficient to reach them.
4. *Deh Gaha*.—Land on immediate bank of Nara high and under wheel irrigation. Some land in north on bank of Dingri wah also on wheel, but from the village of Mahmudani the whole of the deh is under rice-cultivation with occasional patches of juar on higher ground. The deh is surrounded on two sides by canals and on the third by a dhora.
5. *Deh Abad*.—This deh is most favourably situated as regards water-supply from the Dingri *ex* Nara and a dhora *ex* Nara. Being low-lying like the adjoining dehs of Gaha and Chana, it is almost entirely under rice cultivation. This year, the southern portion was encroached on by a Manchar flood and some hill-water passed across from Per Dhuari, but most of the land unfavourably affected by this combination in the Kharif season was under good rabi cultivation.
6. *Deh Chana*.—In the extreme north of this deh, from about a line drawn from the southern boundary of the village of Chana itself to the Nara, the land is high and irrigated by wheel. With the exception of this and the land along the edge of the bank of the Nara, the whole of this deh is a mass of rice cultivation. There is rabi cultivation, saraha and jambho, where the kharif has failed or was not cultivated.
7. *Deh Kharichh*.—This deh is very similar to the dehs of Abad and Chana. It is chiefly a rice deh. There are insignificant amounts of other flow and wheel. The rabi inundation varies in amount according to water available from the Nara and Manchar flood. About a sixth of the deh to the extreme south is within the normal beneficial influence of the Manchar. The exceptional Manchar flood, however, of this year (1897-98) inundated this deh, and passed into portions of dehs Abad and Chana.
- 8, 9 and 10. *Dehs Sakhero, Gahicharo and Aruni*.—These three dehs lie parallel with the Nara, and contain very fine rice cultivation. Ordinarily, the rice cultivation in them is aided by the Manchar inundation, except when such inundation is very early and abundant, in which case the rice is swamped. Injurious floods have hitherto been occasional only. The Executive Engineer states, however, that, whilst the set of the Indus remains as it is at present, such floods may be anticipated. A map has been prepared and accompanies this report, showing the normal average limit of non-destructive Manchar inundation.
- 11, 12, 13, 14, 15. *Dehs Khanwah, Makhan Belo, Lohri, Shah Hasan and Dabhri* are cultivated entirely on the water of the Manchar lake and the hill-floods which pour into it. The extent of cultivation in them is dependent on the rapidity with which the water of the lake subsides, and necessarily varies annually. The lands uncovered in time are entirely cultivated with rabi cultivation, oil-seeds, wheat and ahur (mustard).
52. To the above dehs, which were placed by Mr. Disney in the 1st Group, I would beg to propose the addition of dehs Machhko and Kur Kalan. The former is entirely a Manchar deh, and is within the Engineer's line of normal supply from that lake, and is in exactly the same position as



Dabhri. Kur Kalan is shown as being more than half within the Manchar supply limit, and its cultivation is practically all rabi. The average annual kharif cultivation on the water of a kario *ex* Nara has been 34 acres, whilst that of rabi has been 1,558 acres. The barani land of this deh, as of other canal or Manchar irrigated dehs, would of course be assessed at the barani rate of its own class in the taluka, and would not be affected by the group into which the Manchar supply causes it to be placed.

*Deh Johi.*—This deh is cultivated on water from the Nara. Juar crops in excellent condition. A little rice-cultivation on south bank of the kario Hamzo. Some cultivation on kario Dangwaro on boundary of Vagoji. Land towards east gets too high for anything but wheel cultivation. Owing to non-clearance of the Ali Murad kario, there is not much cultivation in north-west, but land appears very good.

53. The above completes the list of first class Government dehs, and I am bound to confess, after an examination in detail on the ground, that Mr. Disney's grouping was very correct, as might have been expected from an officer of his long survey and settlement experience. I cannot, however, find any reason for the inclusion of the dehs of Machhko and Kur Kalan in the 2nd Group, as, with the exception of the barani land in them and an almost extinct kharif cultivation (annual average 34 acres) in deh Kur Kalan on a kario, the lands are watered by the Manchar in exactly the same way as the dehs of Dabhri, Lohri, Khan wah, &c.

I propose, therefore, that, to the 16 dehs of Mr. Disney's 1st Group, the dehs of Machhko and Kur Kalan be added, making 18 dehs in all. The set of the Indus cannot be foretold with accuracy for any particular year, and the probable flooding from the Nara anticipated by the Executive Engineer, owing to the present set of the Indus, does not appear a reason for lowering the very moderate rates proposed by Mr. Disney (which are almost unaltered from those fixed by Government in Government Resolution No. 195 of 9th January 1885), as the extent of such floods is also largely determined by the amount of hill-flood water which finds its way into the Manchar through seven hill channels, and this water depends on a very variable rainfall. Again, a high Manchar, which recedes seasonably, is followed by a very extensive cultivation of rabi crops.

I may mention that the jagir of Drig Hethin should also be included in the 1st Group. It has an abundant water-supply (chiefly flow) from the Nara and from dhoras into which the hill-floods tail. It is very highly cultivated and is in every way as favourably situated as the dehs of Bahawalpur and Shah Morio. The complaint in dehs to the west and south of it is that water is short by reason of its consumption in the jagir.

54. The dehs of the 1st Group will, therefore, consist of 18 Government dehs and 1 jagir, and are the following:—

#### GROUP I.

|                |                 |
|----------------|-----------------|
| 1 Shah Morio.  | 10 Khan wah.    |
| 2 Bahawalpur.  | 11 Gabi Charo.  |
| 3 Johi.        | 12 Aruni.       |
| 4 Dara Machhi. | 13 Makhan Belo. |
| 5 Gaha.        | 14 Lohri.       |
| 6 Chana.       | 15 Shah Hasan.  |
| 7 Abad.        | 16 Dabhri.      |
| 8 Kharichh.    | 17 Kur Kalan.   |
| 9 Sakhro.      | 18 Machhko.     |

19 Drig Hethin (jagir).

55. The remaining dehs (including Per Dhuari, subsequently lowered by Mr. Disney from the 1st Group) are those recommended by Mr. Disney to be placed in the 2nd Group. They are:

|            |                    |
|------------|--------------------|
| 1 Phulji.  | 5 Kur Jamik.       |
| 2 Mothiri. | 6 Jampur Pahwarki. |
| 3 Khat.    | 7 Vageji.          |
| 4 Buti.    | 8 Per Dhuari.      |

The dehs of Kur Kalan, Machhko and the jagir of Drig Hethin, also included by Mr. Disney, have been already described and recommended for inclusion in Group I.\* A summary of the result of personal inspection of these dehs on the ground is as follows:—

**Deh Phulji.**—This deh consists chiefly of 2nd and 4th class jagir grants. The water-supply is from the Nara and Dhoro Lohri. There is only a narrow strip of land cultivated on the Nara. The land on the Dhoro Lohri is only cultivated in patches. It is said that the dhoro water runs off too quickly to lands lower down, and that the dhoro is not cleared. A few Numbers are cultivated on the Chandan wah. There are large belts of land that have not been cultivated for years. When breaches in the dhoro occur, the lands towards the north are flooded, but the water does not remain long enough for cultivation, and no attempt is made to clear the jungle. The land west of the road to Thariri is band barani. This is certainly a poorly cultivated deh.

**Deh Mothiri.**—The land of this deh is high-lying, and the only cultivation is by wheel out of zamindari karias from the Dhoro Lohri. These karias are not cleared, and, though the soil seems excellent, the zamindars say they are too poor to do the necessary clearance. There is hardly any cultivation to the west of the Johi-Phulji road. Some cultivation by wheel on the banks of the Dhoro Lohri.

**Deh Khat.**—The whole of this deh is irrigated by wheels. The portion east of the Johi-Phulji road is supplied by water from a series of dhoras, and excellent crops were standing, but this year was one of exceptional rainfall, and these dhoras being natural drainages, the amount of water in them necessarily varies with the rainfall and consequent hill-floods. The portion west of the road is cultivated on karias brought across the road from the Dhoro Lohri, and is fairly cultivated, but is of higher level generally.

**Deh Buthi.**—In this deh, the extreme easterly portion on the boundary of Jagir Drig Hethin is well cultivated, but thence to the west the land rises, and cultivation is by wheel only on a series of natural depressions.

**Deh Suranjri (Jagir).**—Is in much the same condition as deh Buthi with low land to the extreme east, watered by flow from the Nara and towards the west irrigated by wheels set up on natural drainage channels.

**Deh Kur Jamik.**—There has been no cultivation for the past two years. The karia Kur Jamik is not cleared by the zamindars, who say they have no means. In 1894-95, when the zamindars borrowed money and cleared the canal, there were some 800 acres of cultivation on it, but in that year the Nara supply was assisted by rainfall. The soil is excellent, but too high for any but wheel irrigation. Considering the nature of the soil, it would apparently pay Government to clear this canal occasionally. The land-owners certainly appear very poor.

**Deh Jampur Pahwarki.**—This deh, except in the extreme east, is high-lying, and is nominally supplied from the Ali Murad karia, but the canal is not efficiently cleared, and the people say they are too poor to clear it. There was no cultivation at all in 1896-97. In 1895-96, there were 39 acres sown, but the crop failed and the revenue was remitted. In 1894-95, the kharif wheel cultivation was 30 acres, but the rabi cultivation, owing to a better supply in the Nara, was 329 acres of rabi, cultivated on the lower ground. Similarly, with a good supply in 1893-94, the kharif cultivation was 71 acres and rabi 440 acres. The land is high, but the soil very good. It certainly seems as if it would pay Government to clear the Ali Murad wah.

\* Note. Paragraph 68 should be read in connection with this observation.

*Deh Vageji.*—In this deh, there is a strip of cultivation on the bank of the Ali Murad karia between it and the Johi-Dadu road. In the north-east, there is cultivation by wheel on the Nara. Lower down, between the Nara and a natural drainage channel, there is some rice, but the general level is too high for flow cultivation.

*Deh Per Dhuari.*—A considerable portion of this deh to the west has not been cultivated since the shutting out of floods from Upper Sind. The land of this deh is high and cultivable by wheel only. There are many complaints of insufficient supply from the Nara.

56. The dehs described above are undoubtedly inferior to those of the 1st Group, and should constitute a 2nd Group, as proposed by Mr. Disney. The 2nd Group will, therefore, consist of the following dehs:—

#### GROUP II.

- |                      |                      |
|----------------------|----------------------|
| 1. Phulji.           | 5. Kur Jamik.        |
| 2. Mothiri.          | 6. Jampur Pahlwarki. |
| 3. Khat.             | 7. Vageji.           |
| 4. Buthi.            | 8. Per Dhuari.       |
| 9. Suranjri (Jagir). |                      |

57. The rates proposed for these dehs by Mr. Disney on account of inferior water-supply and the higher level of the land, and stated by Colonel Crawford, who possessed a long and intimate acquaintance with the taluka, to be “judiciously moderate,” are 8 annas less for all classes of cultivation than those proposed for Group I. It has to be borne in mind that an irrigational settlement is for the first time being introduced into this taluka. The large increase in cultivation and revenue contemplated by Mr. Disney (as a basis for any enhancement of his own rates) on the completion of the work then in progress for increasing the supply to the Nara and Manchar lake has not been forthcoming. Heavy remissions on account of failure of rain or of floods from the Manchar have still to be given, and both these causes are at present beyond control. Deductions, therefore, from returns of cultivation and revenue must be more or less unreliable. The Superintending Engineer, Indus Right Bank, has submitted a scheme by which a large increase of water will become available for this taluka and the Manchar lake be prevented from silting up and becoming thereby a course of destructive hill-floods, which at present drain into it. He is of opinion that in a settlement, now introduced, no objection exists to a ten-years’ guarantee, even should the zamindars thereby obtain advantages therefrom free for a short period. The Acting Commissioner, Colonel Crawford, in submitting Mr. Disney’s rates to Government, stated that, as compared with the rates sanctioned for the Sehwan Taluka in 1890, they appeared at first sight too low, but that, from an intimate and long acquaintance with the two talukas, he did not consider the difference greater than it ought to be. Again, after comparing them with the irrigational rates for the adjoining Dadu Taluka, he adhered to the opinion he had expressed as Collector of Karachi that the rates proposed were judiciously moderate. After a very thorough examination in detail of the canal and Manchar irrigated zone of this taluka, I am convinced that, although the Nara has worked rather more uniformly during the past five years than during the two or three years preceding Mr. Disney’s report, the cultivation as a whole has not increased, the people have suffered much in the past from floods and drought, and that at present there is no sufficient guarantee of future immunity from such causes. I would, therefore, strongly recommend that the apparently low, but judiciously moderate rates proposed by Mr. Disney and the Acting Commissioner in Sind be allowed to stand.

58. The Commissioner in Sind, in a review made by him after a tour in the Johi Taluka, stated in his letter No. R-41 of 11th March 1892 that the rates were certainly moderate, and that in his opinion some of them erred in being too low, and asked why the rice rate of Johi should be fixed at Rs. 3-0-0 when in the adjoining talukas of Sehwan and Dadu it was Rs. 3-6-0 and Rs. 3-4-0, respectively. He suggested (paragraph 7) that more careful



examination of the villages in detail might have resulted in a possibly higher rate in some dehs, *e. g.*, Chana and Sakhero. He, however, points out that most of the lands of the Johi Taluka are on a slightly higher level than those in the Dadu Taluka and makes mention of the indebtedness of the cultivators. It is most probable, too, that these factors weighed with Colonel Crawford, to whom also at first sight the rates appeared low. The water of the Nara river is drawn upon to a larger extent by the lower land on its opposite bank in the talukas of Dadu and Sehwan. The figures also of these rice-dehs show that the only variations in the amount of cultivation are those connected with the nature of the water-supply. Already cultivated almost to their full extent, these dehs, except Gaha, are still liable to high Manchar floods, whilst the list of land-owners at present under the benefit of the Incumbered Estates Act (Appendix XXVII), together with the amount of land mortgaged or sold, testifies to the state of indebtedness mentioned by the Commissioner. The following are the figures of cultivation in the chief rice-dehs since 1884-85 :—

| Name of Deh.      | 1884-85. | 1885-86. | 1886-87. | 1887-88. | 1888-89. | 1889-90. | 1890-91. | 1891-92. | 1892-93. | 1893-94. | 1894-95. | 1895-96. | 1896-97. |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Gaha ... ..       | 648      | 620      | 612      | 600      | 622      | 770      | 671      | 669      | 1,909    | 742      | 919      | 534      | 805      |
| Abad ... ..       | 2,268    | 2,187    | 2,152    | 1,975    | 2,051    | 2,172    | 2,066    | 2,210    | 2,300    | 2,243    | 2,302    | 1,999    | 2,066    |
| Chana ... ..      | 1,810    | 1,812    | 1,914    | 1,924    | 1,703    | 2,025    | 1,815    | 1,864    | 1,980    | 2,119    | 2,000    | 1,749    | 1,792    |
| Kharichh ... ..   | 3,094    | 3,040    | 2,741    | 1,952    | 2,522    | 1,977    | 2,595    | 2,432    | 3,104    | 3,637    | 4,400    | 2,660    | 2,559    |
| Sakhero ... ..    | 3,541    | 3,525    | 3,730    | 3,530    | 3,600    | 3,475    | 4,118    | 3,001    | 1,292    | 3,217    | 3,727    | 3,212    | 3,419    |
| Gahi Charo ... .. | 3,121    | 3,049    | 3,220    | 2,582    | 2,039    | 2,691    | 2,280    | 2,543    | 738      | 1,245    | 1,722    | 2,262    | 2,513    |

I would respectfully suggest, therefore, as a result of a detailed examination of these dehs, that the rice rates for Groups I and II, *viz.*, Rs. 3-0 and Rs. 2-8, proposed by Mr. Disney be sanctioned for the present. The Executive Engineer, who is very thoroughly acquainted with the irrigational conditions of this taluka, says: "Excluding jagirs, but a comparatively small area of the Johi Taluka is dependent on the Nara, and of that a large portion is subject to the natural flooding of the Manchar and the rest to hill-floods. Such conditions make the taluka unlike any other in Sind." In these circumstances, I submit that a very strong case is made out for a moderate assessment in this the first irrigational settlement of the taluka. In paragraph 15 of his proposed settlement (letter No. 129 of 21st February 1891,) the late Mr. Disney stated that "the proposed rates nearly assimilate to those of the current revision settlement, being an average increase of 6 per cent. only in the 1st Group dehs and 5 per cent. in the 2nd." The slight changes of grouping and the increased kharif band barani rate (Re. 1-10) make the average increases now 12-03 and 9-72, respectively. The Honourable Mr. James in paragraph 6 of his report No. R.-41 of 11th March 1892 stated: "Even if an irrigation settlement with the low rates proposed by Mr. Disney is sanctioned, it will mean an increase on a large area of occupied land. The present 'revised settlement' rates were deduced from a maximum, with large allowances for faults, and the actual average rate per acre paid when cultivation is effected, deduced from the entire occupancies in a few dehs, works out as follows, as compared with Mr. Disney's rates."

#### RICE.

|               | Average paid per acre under present settlement. |     |       | Proposed. |    |    |
|---------------|---|-----|-------|-----------|----|----|
|               | Rs.   | a.  | p.    | Rs.       | a. | p. |
| 1st Group—    |   |     |       |           |    |    |
| Johi ... ..   | ...   | 9   | 1 11  | 3         | 0  | 0  |
| Abad ... ..   | ...   | ... | 11 6  | 3         | 0  | 0  |
| 2nd Group—    |   |     |       |           |    |    |
| Khat ... ..   | ...   | 1   | 13 10 | 2         | 8  | 0  |
| Phulji ... .. | ...   | 1   | 13 1  | 2         | 8  | 0  |

#### OTHER MOKE.

|             |     |   |       |   |    |   |
|-------------|-----|---|-------|---|----|---|
| 1st Group—  |     |   |       |   |    |   |
| Johi ... .. | ... | 2 | 0 5   | 2 | 12 | 0 |
| Abad ... .. | ... | 2 | 1 8   | 2 | 12 | 0 |
| 2nd Group—  |     |   |       |   |    |   |
| Khat ... .. | ... | 1 | 11 7½ | 2 | 4  | 0 |



|            |     | Average paid per<br>acre under present<br>settlement. |    |    | Proposed. |    |    |   |
|------------|-----|---|----|----|-----------|----|----|---|
|            |     | Rs.   | a. | p. | Rs.       | a. | p. |   |
| WHEEL.     |     |   |    |    |           |    |    |   |
| 1st Group— |     |   |    |    |           |    |    |   |
| Johi ...   | ... | ...   | 1  | 8  | 0         | 2  | 4  | 0 |
| Abad ...   | ... | ...   | 2  | 5  | 2         | 2  | 4  | 0 |
| 2nd Group— |     |   |    |    |           |    |    |   |
| Khat ...   | ... | ...   | 1  | 2  | 9         | 1  | 12 | 0 |
| Phulji     | ... | ...   | 1  | 6  | 3         | 2  | 12 | 0 |
| SAILAB.    |     |   |    |    |           |    |    |   |
| 1st Group— |     |   |    |    |           |    |    |   |
| Shah Morio | ... | ...   | 2  | 6  | 6         | 2  | 12 | 0 |

Except that the Nara has worked uniformly during the past few years and the prices of produce have increased, the prospects of the taluka do not seem much better than when the Honourable Mr. James wrote. Still, the zamindars have had the advantage of the very low existing rates for more than six years longer, and orders have been received to prepare an irrigational settlement. The one suggested by Mr. Disney, and approved by Colonel Crawford, seems to me, after personal investigation, appropriate, and the rates not excessive. The explanation of some of the larger increases in dehs is as follows:—

*Deh Shah Morio.*—The present high increase of 42·95 per cent. by the new rates in deh Shah Morio is due to the fact that this deh was advanced by Mr. Disney from the 3rd Group of Colonel Haig's settlement of 1877-78 to his own proposed 1st Group for the reasons that it was no longer subject to floods from Upper Sind and was protected from the Gaj floods by the Dhoro Lohri. These reasons hold good still. The excess of the present proposed moderate rates, though apparently large, is due to the extremely low assessment necessitated at the time of settlement, twenty years ago, when this deh was liable to devastation by floods both from Upper Sind and the Gaj Nai.

*Deh Kur Jamik.*—With the exception of 7 acres 20 guntas in 1885-86, there was no cultivation whatever in this deh until 1891-92, inclusive. In 1892-93, there were 50 acres 25 guntas rabi lift and 4 acres 2 guntas sailabi. Again in 1893-94, there was no cultivation. In 1894-95, there were 148 acres 5 guntas of kharif lift and sailabi 272 acres 27 guntas and sailabi aided by lift 374 acres 29 guntas. Again in 1895-96 and 1896-97, there was no cultivation. Only the low-lying land, which in a good inundation is flooded in the kharif, is cultivated in the rabi, partly on the soakage and partly by wheels set up on the edge of the deeper part of the hollows in which water remains. The percentages of increases and decreases of proposed over present rates are calculated on the average of the preceding four years, and in the case of the present proposals this period happens to contain years of exceptional river inundation and the cultivation of the most paying class of cultivation, viz., rabi natural inundation (sailabi) aided by additional supply from depressions. Under the former settlement and by a system of classification for each Number deduced from a maximum rate for the kind of irrigation, the individual field assessment was fixed, but no separate maximum rate was provided for this particular class, viz., rabi inundation aided by lift, with the consequence that this aided irrigation has been assessed hitherto as simple inundation, and the average assessment on the cultivation of the past four years works out to Re. 1-9-8. When this is compared with the new rate proposed of Rs. 3-4-0 for this kind of irrigation, the difference amounts to 102·60 increase.

*Deh Butthi*.—This deh being an unsettled deh for which no rates were fixed at time of revision settlement, certain rates were sanctioned by the Collector of Karachi in his letter No. 6394 of 23rd April 1880. For rabi inundation, these rates were as follow :—

|                            |     |     |     |     |   |    |   |
|----------------------------|-----|-----|-----|-----|---|----|---|
| Wheat                      | ... | ... | ... | Rs. | 2 | 6  | 9 |
| Barley                     | ... | ... | ... | "   | 0 | 15 | 6 |
| Sariha, Jambho, Chana, &c. | ... | ... | ... | "   | 0 | 11 | 5 |
| Matar and Ahur             | ... | ... | ... | "   | 0 | 7  | 9 |

The Mukhtyarkar of the taluka, who has been recently appointed, is unable to state why such almost nominal rates have been levied for the past 18 years. The result of the application of the new irrigational rate of Rs. 2-4-0 for rabi inundation is to make the percentage increase very high. I would beg to point out that in the case of the Sehwan settlement, in which still higher irrigational rates were fixed and applied to the current low rates, the percentage increases in some cases were even more considerable.

The increases in *Johi* and *Khat* are due to the very low existing rates on rabi inundation cultivation, fixed twenty years ago, at the time of classification. In the settlement of 1877-78, inundation irrigation was apparently rated at extremely low rates. It may be mentioned that, when the rates of the settlement of 1877-78 were fixed, they were kept purposely low on account of the liability of the whole taluka to floods from Upper Sind as well as from the hills. The former have now been stopped by protective works, and since the settlement the Indus Valley (now North-Western) Railway has been opened, whilst the fallow rules were greatly improved in 1887.

A comparison of the irrigational rates proposed for this taluka with those sanctioned and in force in the adjoining talukas of Sehwan and Dadu, separated only by the Nara canal, can be made from the following table, though, owing to the peculiar circumstances of the Johi Taluka, such comparison is misleading :—

| DADU TALUKA.                     |  |            |  | SEHWAN TALUKA.     |  |            |  |
|----------------------------------|--|------------|--|--------------------|--|------------|--|
| RATE PER ACRE.                   |  |            |  | RATE PER ACRE.     |  |            |  |
| 1st Group.                       |  | 2nd Group. |  | 1st Group.         |  | 2nd Group. |  |
| Rs. a.                           |  | Rs. a.     |  | Rs. a.             |  | Rs. a.     |  |
| <i>Khariif.</i>                  |  |            |  | <i>Khariif.</i>    |  |            |  |
| Gardens (ordinary) ...           |  |            |  | 4 0 3 8            |  |            |  |
| Rice under flow ...              |  |            |  | 3 6 3 0            |  |            |  |
| Other crops under flow ...       |  |            |  | 2 14 2 8           |  |            |  |
| Lift ...                         |  |            |  | 2 6 2 0            |  |            |  |
| Lift aided by flow ...           |  |            |  | 2 10 2 4           |  |            |  |
| <i>Rabi.</i>                     |  |            |  | <i>Rabi.</i>       |  |            |  |
| Sailab and bosi ...              |  |            |  | 3 4 2 14           |  |            |  |
| " aided by lift ...              |  |            |  | 4 4 3 14           |  |            |  |
| Rabi lift ...                    |  |            |  | 3 0 2 10           |  |            |  |
| <i>Barani.</i>                   |  |            |  | <i>Barani.</i>     |  |            |  |
| Artificial inundation (bosi) ... |  |            |  | 3 0 2 12           |  |            |  |
| " aided by lift ...              |  |            |  | 4 0 3 10           |  |            |  |
| Natural inundation (sailab) ...  |  |            |  | 3 0 2 12           |  |            |  |
| " aided by lift ...              |  |            |  | 4 0 3 10           |  |            |  |
| Lift ...                         |  |            |  | 3 0 2 10           |  |            |  |
| <i>Barani.</i>                   |  |            |  | <i>Barani.</i>     |  |            |  |
| Kharif ...                       |  |            |  | 1 12 1 0           |  |            |  |
| Rabi ...                         |  |            |  | 1 12 1 8           |  |            |  |
| <i>Rel Barani.</i>               |  |            |  | <i>Rel Barani.</i> |  |            |  |
| Kharif ...                       |  |            |  | 1 0                |  |            |  |
| Rabi ...                         |  |            |  | 1 0                |  |            |  |

## JOHI TALUKA (proposed rates).

|   |        |     |     |     |     | RATE PER ACRE. |           |
|---|--------|-----|-----|-----|-----|----------------|-----------|
|   |        |     |     |     |     | 1st Group.     | 2nd Group |
|   |        |     |     |     |     | Rs. a.         | Rs. a.    |
| Gardens, sugarcane, and vegetables ...                  | ...    | ... | ... | ... | ... | 3 0            | 2 8       |
| <i>Khārīf.</i>  |        |     |     |     |     |                |           |
| Rice under flow ...                                     | ...    | ... | ... | ... | ... | 3 0            | 2 8       |
| Other crops under flow ...                              | ...    | ... | ... | ... | ... | 2 12           | 2 4       |
| Lift irrigation ...                                     | ...    | ... | ... | ... | ... | 2 4            | 1 12      |
| Lift aided by flow ...                                  | ...    | ... | ... | ... | ... | 2 8            | 2 0       |
| <i>Rabi.</i>  |        |     |     |     |     |                |           |
| Natural and artificial inundation (sailab and bosi) ... | ...    | ... | ... | ... | ... | 2 12           | 2 4       |
| " " aided by lift ...                                   | ...    | ... | ... | ... | ... | 3 12           | 3 4       |
| Rabi lift ...   | ...    | ... | ... | ... | ... | 2 8            | 2 0       |
| <i>Band Barani.</i>                                     |        |     |     |     |     |                |           |
| Kharif ...  | ...    | ... | ... | ... | ... | }              | 1 10      |
| Rabi ...  | ...    | ... | ... | ... | ... |                |           |
| Barani {  | Kharif | ... | ... | ... | ... | }              | 1 4       |
|   | Rabi   | ... | ... | ... | ... |                |           |
| Rel Barani {  | Kharif | ... | ... | ... | ... | }              | 1 0       |
|   | Rabi   | ... | ... | ... | ... |                |           |

The villages of the Sehwan Taluka opposite those of the Johi Taluka on the other bank of the Nara are in the 1st Group of the Sehwan irrigational settlement, whilst those on the Johi bank are in the 1st Group of the proposed Johi settlement.

The villages in the Dadu Taluka opposite the dehs in the Johi Taluka (the Nara intervening) are in the 1st Group, whilst the dehs of Phulji, Suranjri and Vageji of the Johi dehs are in the 2nd Group, and those of Chana, Gaha, Johi, Bahawalpur and Shah Morio are in the 1st Group of the proposed Johi settlement.

59. The irrigation rates in force in the dehs of the Shah Hasan Tapa, sanctioned in Government Resolution No. 195 of 9th January 1884, are as follow:—

|                           |     |     |     |     |     | Rate per Acre. |    |
|---------------------------|-----|-----|-----|-----|-----|----------------|----|
|                           |     |     |     |     |     | Rs.            | a. |
| <i>Khārīf.</i>            |     |     |     |     |     |                |    |
| Rice ...                  | ... | ... | ... | ... | ... | 3              | 0  |
| Other flow ...            | ... | ... | ... | ... | ... | 2              | 12 |
| Lift irrigation ...       | ... | ... | ... | ... | ... | 2              | 4  |
| Lift aided by flow ...    | ... | ... | ... | ... | ... | 2              | 8  |
| <i>Rabi.</i>              |     |     |     |     |     |                |    |
| Sailabi ...               | ... | ... | ... | ... | ... | 2              | 12 |
| Sailabi aided by lift ... | ... | ... | ... | ... | ... | 3              | 8  |
| Bosi ...                  | ... | ... | ... | ... | ... | 2              | 8  |
| Bosi aided by lift ...    | ... | ... | ... | ... | ... | 3              | 4  |
| Ahur ...                  | ... | ... | ... | ... | ... | 1              | 0  |

60. After the most careful personal investigation on the ground of the state of the canal and Maichar irrigated dehs of this taluka, I am forced to the conclusion that the assessment proposed by the late Mr. Disney and the Collector of Karachi is wise in its moderation and most suitable for a taluka which, under its own conditions, differs, as the Executive Engineer states, from any other taluka in the Province.

61. I have traversed the "Kachho" or "rainfall and hill-flood (barani)"

Proposals for "Kachho" or rainfall and hill-flood lands.

zone of the taluka and inspected the condition of dehs. For the purpose of assessment, it may be divided into that portion deriving its water-supply from rain and hill-floods combined and that dependent on rainfall alone. To the hill-flood irrigated dehs may be added the four dehs of Gorandi, Lhadik, Wahi Pir Gaji and Wahi Pandhi at the extreme foot of the hills, in which there is a rabi supply from small springs from the hills. Mr. Disney pointed out that the supply had deteriorated and the amount of cultivation was very small. There has been an average annual cultivation from this source of about 100 acres in each deh during the past four years. The bulk of the cultivation is in the kharif season on water from hill-floods. The dehs are unfavourably situated as regards disposal of produce. The water is almost perennial, but very small in amount and inferior in fertilising power to that of the ordinary hill-floods. There would be no objection to the ordinary barani rabi rate being levied on rabi cultivation, but it does not seem advisable, under the circumstances, to levy any special higher rabi rate on account of these small springs.

62. The dehs receiving rainfall *plus* hill-flood water Mr. Disney included

1. Miran Machhi.
2. Sakar Hadejo.
3. Araro.
4. Khuh Mano.
5. Kabir Kalandar.
6. Mirwah.
7. Pat Suleman.
8. Patori.
9. Mianji Kandi.
10. Pahor.

in Group III of his proposed settlement, and those dependent on rainfall alone in Group IV. Although there are certain dehs, marginally noted, said to receive rainfall only, it frequently happens that new land is taken up in other dehs, lands made and land cultivated on the rainfall, whilst the hill-floods themselves may change their course, and in certain dehs both classes of

water-supply occur. It would, therefore, be better to have two classes of rates for all band barani lands: one for dehs in which hill-flood water is also available, and one for cultivation on rainfall only throughout the taluka. The band barani rate at the time of Mr. Disney's proposal was Re. 1-4 per acre (kharif and rabi), and that officer suggested retaining this rate for the kharif assessment in his lowest group (IV) of barani dehs (those on rainfall only), and making a new rabi rate of Rs. 1-12, these being the rates of the Sehwan barani lands. For his Group III, he proposed raising the rate of Re. 1-4 to Re. 1-8 for kharif, sanctioned for similarly circumstanced dehs of the Kakar Taluka, and fixing a new rate of Rs. 2-0 for rabi, being 8 annas less than that sanctioned for the barani lands of the Kakar Taluka. The then existing rate of Re. 1 for "rel barani" to be unaltered. The Commissioner in Sind (the Honourable Mr. James) in his review of the settlement proposals (letter No. R.-11 of 11th March 1892 to Government, paragraph 9) very accurately described the condition of band barani cultivation in the taluka, and, on account of its spasmodic and precarious nature, the occasional bursting of the bands, with a consequent escape of water, and the indebtedness of land-owners, recommended that for Group IV (rainfall dehs only) the rate of Re. 1-4 all round (kharif and rabi) should be maintained, and for Group III (rainfall *plus* hill-flood dehs) an all-round rate of Re. 1-10 (kharif and rabi) be adopted. He deprecated a distinction between kharif and rabi cultivation, and in this connection I respectfully beg to concur. A distinction in assessment between kharif and rabi in rain lands, unless with a separate rabi water-supply, is very much akin to a crop assessment, a matter to which I have drawn attention in other settlements. The rainfall of 1897-98 was abundant, though somewhat late, and the crops were in first rate condition. At first, I was inclined to think that an all-round rate in Group III of Re. 1-12 could well be borne. This would represent an enhancement of 40 per cent., but on further investigation it became apparent that the lands of the great majority of these band barani dehs were heavily mortgaged and the zamindars much in debt. I would, therefore, propose that the rates proposed by the Commissioner and sanctioned in Government Resolution No. 4388 of 21st May 1892, *viz.*, Re. 1-4 (kharif and rabi) for dehs dependent on rainfall alone and of Re. 1-10 (kharif and rabi) for those which have a combined hill-flood and rain supply, be allowed to stand.



63. As regards "ahur" (mustard) cultivation in dehs in the vicinity of the Manchhar lake, the rates at present obtaining are those sanctioned in the Acting Commissioner's letter No. 5873 of 16th December 1895 as a temporary measure. They are as follow :—

For Manchhar lands under "Ahur" crops.

*Unploughed.*

In all tapas, both of Schwan and Johi, Re. 1-8-0.

*Ploughed.*

In Schwan tapas.—The same rate that is levied on ploughed Kachho, except where wheat and barley are grown.

In Johi, tapa Sakro.—The ordinary revision survey rates.

In Johi, tapas Chhini, Pir Wahi Gaji and Shah Hasan, Rs. 2-0-0.

The following table shows the amount of "ahur" and other oil-seeds, respectively, grown in Manchhar lands during the past three years. The deh records in the Revenue Department for the year 1893-94 have unfortunately been burnt :—

| Name of Delt.              | 1894-95.        |               |                   | 1895-96.       |              |                  | 1896-97.          |                |                    |
|----------------------------|-----------------|---------------|-------------------|----------------|--------------|------------------|-------------------|----------------|--------------------|
|                            | Jambho.         | Sariha.       | Ahur.             | Jambho.        | Sariha.      | Ahur.            | Jambho.           | Sariha.        | Ahur.              |
| <i>Tapo Sakro.</i>         | A. g.           | A. g.         | A. g.             | A. g.          | A. g.        | A. g.            | A. g.             | A. g.          | A. g.              |
| Sakro ... ..               | 70 10<br>8 10   | 3 15          | 230 25<br>37 20   | 55 0           | 5 9          | 106 30<br>8 5    | 275 13<br>24 15   | 25 4           | 185 20<br>57 10    |
| Gahi Charo ... ..          | 22 26           | ...           | 203 14<br>6 13    | 0 37<br>0 25   | 25 5<br>1 20 | 344 1<br>10 25   | 119 30<br>22 35   | 41 30<br>15 0  | 486 32<br>116 21   |
| Aruni ... ..               | 0 5             | ...           | 112 8<br>13 10    | 1 15           | 9 7<br>0 20  | 14 20<br>12 18   | 13 20<br>13 15    | 1 0            | 84 20<br>25 23     |
| <i>Tapo Shah Hasan.</i>    |                 |               |                   |                |              |                  |                   |                |                    |
| Shah Hasan ... ..          | 21 3<br>0 30    | 5 29<br>1 27  | 125 34<br>0 3     | 8 23<br>4 0    | ...          | 406 22<br>0 7    | 10 8<br>0 34      | 33 30<br>2 0   | 425 39<br>...      |
| Dabhri ... ..              | 9 2             | 8 34          | 102 13            | ...            | 1 15         | 54 13            | 19 18<br>2 15     | 3 31           | 95 11<br>7 13      |
| Lohri ... ..               | ...             | ...           | 687 5             | ...            | ...          | 60 5             | ...               | 6 20           | 1,527 25           |
| Khanwah ... ..             | ...             | ...           | 876 32<br>123 34  | 8 15           | 15 5         | 440 14           | 46 30             | 28 35          | 1,842 79           |
| Makhan Belo ... ..         | ...             | ...           | ...               | 2 0            | 11 36        | 806 31           | ...               | ...            | 594 31             |
| <i>Tapo Chhini.</i>        |                 |               |                   |                |              |                  |                   |                |                    |
| Chhini ... ..              | 55 25           | ...           | ...               | 6 26           | ...          | ...              | ...               | ...            | ...                |
| Pat Kanhari ... ..         | 18 9            | ...           | 73 16             | ...            | ...          | ...              | ...               | ...            | ...                |
| Kur Kalan ... ..           | 1,832 1         | ...           | 2,691 17          | 179 20         | 16 35        | ...              | 1,060 28<br>3 0   | 3 35<br>20 35  | 971 15<br>3 5      |
| <i>Tapo Pir Wahi Gaji.</i> |                 |               |                   |                |              |                  |                   |                |                    |
| Maehhko ... ..             | 24 36           | 44 33         | 955 29            | ...            | ...          | 8 0<br>2 25      | 20 10             | 13 20          | 1,031 34           |
| Borah ... ..               | 10 15           | ...           | 16 0              | ...            | 1 7          | ...              | 2 1               | ...            | 3 10               |
| Total ... ..               | 2,064 12<br>9 0 | 62 31<br>1 27 | 6,324 33<br>139 1 | 242 16<br>4 25 | 85 30<br>2 0 | 2,241 19<br>44 0 | 1,575 38<br>71 34 | 158 5<br>37 35 | 7,249 34<br>209 34 |

Note.—Figures in italics represent dubari cultivation.

A certain quantity, according to a favourable or unfavourable rabi inundation, is grown in other dehs of the taluka irrigated from the Nara, but it is insignificant compared with that grown in the Manchhar dehs shown in the above list, which is seen to largely exceed the growth of the ordinary oil-seeds (jambho and sariha). The Manchhar inundation of 1897-98 was a very high one, and the ahur crops were in excellent condition. The fact is that the Schwan and Johi

Talukas are the great ahur-producing talukas of the Karachi District. Ahur is a very popular form of cultivation on account of the ease with which it can be raised, of its value, and of the facility the Manchar lake offers for its carriage by boat to the railway stations of Bubak and Sehwan. Like other rabi cultivation on the Manchar, it varies with the nature of the inundation, but it is undoubtedly grown largely in excess of the other oil-seeds. I have shown in paragraph 38 that the average of ahur cultivation for the past 4 years is 7,145 acres as against 3,653 acres of jambho and 1,572 acres of sariha. That it can scarcely be considered a poor crop is proved by the fact that the outturn per acre is the same as that of the other oil-seeds, whilst the cost of expression is Rs. 2 as against Rs. 2-8 and Rs. 2-4 (paragraph 11). The amount of oil expressed from  $\frac{3}{4}$ ths kasa is  $2\frac{1}{2}$  sers as against 2 and  $2\frac{1}{4}$  of jambho and sariha. The value is stated to be 8 annas less per 80 lbs. than that of jambho and the same as that of sariha, but the prices recorded are not always reliable, and it was pointed out in the case of the settlement of the adjoining taluka of Sehwan that the prices of jambho and ahur were usually alike.

64. For the Manchar lands only, where the rise and fall of water is variable in season, I would recommend for all dehs included within the Engineer's line of the normal limit of an average Manchar, shown on the coloured map attached to this report, the rates of Re. 1-8 for unploughed land and Rs. 2 for ploughed land, and these rates should be levied on any additional land in dehs beyond that limit receiving and being cultivated on Manchar water, as in the upper half of Kur Kaaan and Pat Kanhiri. Ahur grown elsewhere in the taluka on canal water differs in no respect from other oil-seeds, and should pay the ordinary inundation rates of the dehs in which it is grown. The Sehwan rate for "ploughed" ahur is Rs. 2-12 per acre, but these dehs are not liable to hill-floods, as in the case of Johi.

65. Mention has already been made of certain dehs in the extreme north of the taluka which were transferred from the Kakar Taluka in 1893. They are 16 in number, including one jagir, and they are still under the settlement of the taluka of Kakar, the guarantee of which does not terminate till 1902-1903 (*vide* Government Resolution No. 6522 of 9th September 1893). The names of the dehs are:—

|                         |                          |
|-------------------------|--------------------------|
| 1. Thariri Jado Shahid. | 9. Keti Navi.            |
| 2. Kot Bajo.            | 10. Lalhar Barani.       |
| 3. Rajo Dero.           | 11. Gul Muhammad Barani. |
| 4. Tor.                 | 12. Ber Bughio Barani.   |
| 5. Ladho Dero.          | 13. Tori Barani.         |
| 6. Kasbo.               | 14. Malar Barani.        |
| 7. Malko Jagir.         | 15. Kathia Barani.       |
| 8. Din Panah.           | 16. Kur Raujo Barani.    |

Nos. 7 to 16 are unsurveyed band barani dehs, obtaining their water from the Gaj hill-floods. They present no features on the ground differentiating them from other barani dehs of the Johi Taluka. At present, the barani rates for the whole taluka of Kakar, to which these dehs formerly belonged, are as under:—

|                   |             |
|-------------------|-------------|
| Kharif ...        | ... Re. 1-8 |
| Rabi ...          | ... Rs. 2-8 |
| „ with stream ... | ... Rs. 3-0 |

They were a continuation of the rates of the preceding settlement of Kakar (1882-83—1891-92) which were reduced from those originally sanctioned for that settlement by a special Government Resolution, No. 7463 of 6th October 1883. Major Haig, in his proposals for the settlement of the Kakar Taluka (letter No. 183 of 14th February 1881), expressed his opinion that the system of assessment of barani lands was essentially faulty, and suggested two groups with rates as follow:—

|                                   | BARANI LANDS. |            |
|-----------------------------------|---------------|------------|
|                                   | 1st Group.    | 2nd Group. |
|                                   | Rs. a.        | Rs. a.     |
| Kharif...                         | 2 0           | 1 10       |
| Rabi ...                          | 3 0           | 2 10       |
| Lands aided by perennial streams. | 4 0           | ...        |

Of the dehs shown above, Nos 3, 4, 5 and 6, *i.e.*, Rajo Dero, Tor, Ladho Dero, Kasbo and No. 7 Malko, subsequently added, were placed in the first group. All the remainder were placed in the second. These rates were sanctioned by Government in Government Resolution No. 173 of 9th January 1883. Subsequently, however, in October 1883, on a special representation of Colonel Anderson, Superintendent of Survey, as to the want of uniformity of the rates of barani lands in talukas north of the Lakhi range, the barani rates shown above as now obtaining in Kakar, *viz*—

|                 |     |         |
|-----------------|-----|---------|
| Kharif ...      | ... | Re. 1-8 |
| Rabi ...        | ... | Rs. 2-8 |
| Do. streams ... | ... | Rs. 3-0 |

were sanctioned. Excluding the jagir of Malko, I would suggest that the unsurveyed dehs Nos. 8 to 16, inclusive, differing in no way from other barani dehs of this taluka, should, on the termination of the guarantee in 1902-03, come under the barani rate already sanctioned, *viz.*, Re. 1-10 (kharif and rabi). This means a reduction of annas 14 on the present rabi rate, but rabi cultivation in these dehs is exceedingly small in amount, averaging about 290 acres in the aggregate for the four years since the transfer of the dehs from Kakar, and the loss sustained by the difference in the rabi assessment between Re. 1-10 and Rs. 2-8 would amount to less than Rs. 255 annually and would be more than met by the increase of 2 annas on the kharif cultivation.

66. The dehs of Rajo Dero, Tor, Ladho Dero and Kasbo, under the sanction accorded at first to the settlement of 1882-83—1891-92, would have paid a kharif assessment of Rs. 2 and a rabi assessment of Rs. 4, as being dehs "aided by perennial streams," *viz.*, by the Rajwah *ex* Gaj stream. Colonel Anderson, in recommending uniform rates of Re. 1-8 (kharif), Rs. 2-8 (rabi), and Rs. 3 (rabi aided by perennial hill-stream) for the talukas of Schwam, Dadu, Kakar, Mehar and Nasirabad, suggested, in the case of Dadu and Kakar, the retention of Rs. 4 for lands irrigated in the rabi by stream from the Gaj Nai, but he subsequently, in his letter No. 382 of 1st May 1883, modified his suggestion and substituted a rate of Rs. 3 for these lands. There is no doubt that these four dehs form a most important exception to barani lands not aided by streams.

67. I can fully confirm, from personal inspection, the account given of these four dehs by Colonel Anderson, who wrote in 1882: "With reference to the lands irrigated by stream taken from the Gaj Nai, there is a law suit in progress between the zamindars of Kakar and Dadu as to the water-rights, but at present the water is enjoyed by the Kakar people: the land irrigated produces particularly fine crops of wheat and oil-seeds, and bears a present assessment of Rs. 4 per acre, out of which they are entitled to an allowance of annas 3 per acre on account of canal clearance. This land is so far superior to all other barani in the province that it can, I think, bear easily this comparatively high assessment, and should land in the Dadu Taluka be irrigated in the same way by streams from the Gaj running during the rabi season, it should pay the same rate. It will be remembered that this is almost the only land in Sind which is under command of a stream-supply of water running in ordinary years up till the beginning of February." The dispute alluded to was subsequently settled by arbitration, and I have already mentioned that the suggestion of Rs. 4 was subsequently altered to Rs. 3, and these four dehs now pay the rates of Re. 1-8, Rs. 2-8 and Rs. 3 (kharif, rabi and rabi

aided by stream). As a canal clearance abatement is allowed of annas 3 per acre, the amount actually paid is Rs. 2-13 per acre, and it is scarcely possible, with the advantages of water-supply possessed by these dehs, that these rates should press heavily. The canal abatement may be deducted from either the kharif or rabi crop, but not from both. The rabi crops grown in these dehs consist of oil-seeds (sariha, jambho and ahur), wheat, garden produce and small quantities of tobacco. In the kharif, the chief crops are jwar and til with small quantities of cotton and water-melons. There does not appear any reason why, with a much more constant water-supply, the kharif rate of these four dehs should not be assimilated to that prevailing throughout the taluka for hill-flood water, viz., Re. 1-10, from the existing Re. 1-8 when the guarantee expires. As regards the ultimate retention of the rate for ordinary barani rabi cultivation (not aided by stream), viz., Rs. 2-8, the Executive Engineer, with whom I have consulted, is of opinion that no reason exists for the retention of a special rabi rate in these dehs, and that as the kharif and rabi rates have been assimilated throughout the rest of the Johi Taluka a similar procedure should be adopted in the case of these four dehs. He, however, is strongly of opinion that the rate of Rs. 3 for dehs enjoying an abundant rabi supply from the Gaj stream through the Rajwah should be retained, and I fully concur in his opinion. The matter of the barani rates in these Kakar dehs is somewhat complicated by the fact that canal clearance abatement of annas 3 per acre in full on the Rajwah and a *maximum* of annas 3 on the following additional canals, viz., Gul Muhammad, Naowah and Khanwah from the Nai Gaj and on certain karias from the Nara and Lohri wahs have been allowed to the dehs mentioned below, as under:—

*On canals from Nai Gaj.*

*Rajwah.*

Dehs Rajo Dero, Ladho Dero, Kasbo, Tor, Gul Muhammad and Lalhar.

*On canals from the Nara and Lohri wahs.*

Dehs Ladho Dero, Thariri Jado Shahid, Kot Bajo, Lalhar, Ber Bugio, Keti Navi and Gul Muhammad.

From one or other of the ordinary barani rates, therefore, of Re. 1-8 (kharif) and Rs. 2-8 (rabi), the canal clearance abatement has to be deducted. No canal clearance rate is usually allowed for channels from hill-floods, and it is on this account that the barani rates are fixed so low. For instance, no canal clearance abatement was suggested for Sehwan, and none by Mr. Disney for Johi. As the whole settlement of the Kakar Taluka falls in in 1902-03, a re-examination of these transferred dehs might then be made, and the barani rates, with the exception of those aided by perennial stream, assimilated, kharif and rabi, to those of Johi, and with such low assessment as Re. 1-10 all round, the canal abatement might be discontinued. As it is, the remainder of the transferred dehs, with the exception of those mentioned, get no canal abatement allowance. The two dehs of Thariri Jado Shahid and Kot Bajo are partly barani and partly irrigated from the Lohri wah *ex Nara*. Canal cultivation is on the bank of the Lohri by wheel. The land in these dehs is of high level, and cultivation restricted to a strip along the canals. Complaints are made of water being insufficient for extension of cultivation. Should conditions be found unaltered on the expiry of the guarantee in 1902-03, these dehs should be included in Group II of the proposed Johi settlement.

68. In accordance with the wishes of Government expressed in paragraph

Result of consultation with the Collector of Karachi and the Executive Engineer, Western Nara, about the settlement proposals.

4 of Government Resolution No. 519 of 22nd January 1895, regarding "the great importance of the closest personal consultation practicable among the officers concerned, whether in the framing or in the criticism of settlement proposals, more especially before they are actually formulated, as a means of reducing divergences of opinion to a minimum, lessening the time required by the officers through whom they pass to master them, and facilitating their ultimate disposal by Government," I have



met in personal consultation both the Acting Collector of Karachi and the Executive Engineer, Western Nara, and the proposals have been fully discussed. Both the Acting Collector and the Executive Engineer are of opinion that the proposed rates are suitable, but both agree that dehs Kur Kalan and Machhko should remain in the 2nd Group, as classed by Mr. Disney, on account of their being on the extreme limit of the Manchar flood. They consider that the lands in these dehs are apt to be uncovered by the recession of the Manchar before they have been fully soaked. It is quite possible this may happen and, therefore, it may be better to give them the benefit of remaining in the 2nd Group. As regards Per Dhuari, the Acting Collector agrees with me that it should be placed in the 2nd Group, but the Engineer is of opinion that it should be placed in the 1st Group, because of the amount of cultivation. Out of an area of measured land of 1,512 acres, there has been for the past thirteen years an average annual cultivation of 807 acres. The fact is that, whilst all the lower-lying eastern portion of the deh receives a good supply of water from the Dingri wah, the higher western portion is hardly able to get any, and the channels led on to the higher land are apt to become silted and nearly effaced by a hill-flood. In years of hill-floods, too, growing crops are more liable to be injured by the hill-floods in this deh than on the other side of the Dingri wah. I have, therefore, re-placed it in the 2nd Group, as was done by Mr. Disney on Colonel Crawford's suggestion. The Acting Collector of Karachi has written a memorandum, attached to this report as Appendix No. XXVIII, on the subject of the condition of the taluka as a result of our consultation. No mention is made by name of the dehs of Kur Kalan, Machhko and Per Dhuari, because, as I was going on to consult the Executive Engineer, he thought it desirable that his opinion should also be mentioned. The deh of Berah is, ordinarily, a Barani deh, but there is a portion on the fore-shore of the Manchar lake on which rabi cultivation, either natural inundation or natural inundation aided by wheel from water brought by a trough from the lake, is grown, and we are of opinion that for such cultivation the ordinary rates of the adjoining 1st class dehs of Shah Hasan, &c., should be levied. In this deh, the water of the lake is usually easily accessible.

Dubari cultivation to pay an assessment of 4 annas an acre, except in dehs with mountain-streams running in the cold weather, when the full rabi assessment to be taken, which for barani lands is the same as for kharif.

#### Summary of proposals.

69. My proposals, therefore, briefly summarised are as follow :—

The canal and Manchar irrigated dehs to be divided into two groups (I and II), the band barani lands to be classified into (a) those receiving rainfall and hill-flood water and water from mountain springs, (b) those receiving rainfall alone: special rate for "ahur" grown on Manchar water; otherwise, with canal irrigation, "ahur" to be rated with other oil-seeds: twice-cropped land (dubari) to pay 4 annas an acre, except where receiving an additional rabi supply of water from springs, when the full rabi assessment should be levied. Unembanked barani land to pay Rs. 1 per acre, as formerly.

#### Grouping and Rates.

70. The proposed grouping and rates are shown below :—

#### GROUP I.

- |                  |                   |
|------------------|-------------------|
| (1) Shah Morio.  | (9) Sakhero.      |
| (2) Bahawalpur.  | (10) Khan Wah.    |
| (3) Johi.        | (11) Gahi Charo.  |
| (4) Dara Machhi. | (12) Arnni.       |
| (5) Gaha.        | (13) Makhan Belo. |
| (6) Chana.       | (14) Lohri.       |
| (7) Abad.        | (15) Shah Hasan.  |
| (8) Kharichh.    | (16) Dabhri.      |

(17) Drigh Hethin (Jagir).

## GROUP II.

|                        |                       |
|------------------------|-----------------------|
| (18) Phulji.           | (23) Jampur Pahwarki. |
| (19) Mothiri.          | (24) Vageji.          |
| (20) Khat.             | (25) Per Dhuari.      |
| (21) Buthi.            | (26) Kur Kalan.       |
| (22) Kur Jamik.        | (27) Machhko.         |
| (28) Suranjri (Jagir). |                       |

|  |     |     |              | RATE PER ACRE. |            |
|--|-----|-----|--------------|----------------|------------|
|  |     |     |              | 1st Group.     | 2nd Group. |
|  |     |     |              | Rs. a.         | Rs. a.     |
| Gardens, sugarcane and vegetables                    | ... | ... | ...          | 3 0            | 2 8        |
| <i>Kharif.</i>                                       |     |     |              |                |            |
| Rice under flow                                      | ... | ... | ...          | 3 0            | 2 8        |
| Other crops under flow                               | ... | ... | ...          | 2 12           | 2 4        |
| Lift irrigation                                      | ... | ... | ...          | 2 4            | 1 12       |
| Lift aided by flow                                   | ... | ... | ...          | 2 8            | 2 0        |
| <i>Rabi.</i>   |     |     |              |                |            |
| Natural and artificial inundation (sailabi and bosi) | ... | ... | ...          | 2 12           | 2 4        |
| " " " aided by lift                                  | ... | ... | ...          | 3 12           | 3 4        |
| Rabi lift  | ... | ... | ...          | 2 8            | 2 0        |
| Band barani (rainfall and hill-floods combined)—     |     |     |              |                |            |
| Kharif   | ... | ... | ...          | 1 10           |            |
| Rabi   | ... | ... | ...          | 1 10           |            |
| Band barani rainfall only—                           |     |     |              |                |            |
| Kharif   | ... | ... | ...          | 1 4            |            |
| Rabi   | ... | ... | ...          | 1 4            |            |
| Rel barani (kharif and rabi)                         | ... | ... | ...          | 1 0            |            |
| Special Ahur rate on Manchhar lands                  |     |     | { Ploughed   | 2 0            |            |
|  |     |     | { Unploughed | 1 8            |            |

Financial Results of the proposed settlement.

71. The estimated revenue from the application of the rates now proposed is as follows :—

|               |                        |     |                          | Acres. | Rs. | a. | p. | Rs. | Rs.      |      |
|---------------|------------------------|-----|--------------------------|--------|-----|----|----|-----|----------|------|
| 1st Group ... | Gardens                | ... | ...                      | 11     | at  | 3  | 0  | 0   | = 33     |      |
|               | <i>Kharif.</i>         |     |                          |        |     |    |    |     |          |      |
|               | Rice under flow        | ... | ...                      | 11,797 | at  | 3  | 0  | 0   | = 35,391 |      |
|               | Other crops under flow | ... | ...                      | 1,134  | at  | 2  | 12 | 0   | = 3,119  |      |
|               | Lift irrigation        | ... | ...                      | 1,642  | at  | 2  | 4  | 0   | = 3,694  |      |
|               | Band barani ..         | {   | Rainfall and hill-floods |        |     |    |    |     |          |      |
|               |                        |     | combined                 | ...    | 34  | at | 1  | 10  | 0        | = 56 |
|               |                        | {   | Rainfall only            | ...    | 57  | at | 1  | 4   | 0        | = 71 |
|               |                        |     |                          |        |     |    |    |     |          |      |
|               | <i>Rabi.</i>           |     |                          |        |     |    |    |     |          |      |
|               | Sailabi and bosi       | ... | ...                      | 5,429  | at  | 2  | 12 | 0   | = 14,930 |      |
|               | „ aided by lift        | ... | ...                      | 958    | at  | 3  | 12 | 0   | = 3,593  |      |
|               | Lift                   | ... | ...                      | 1,037  | at  | 2  | 8  | 0   | = 2,593  |      |
|               | Band barani ..         | {   | Rainfall and hill-floods |        |     |    |    |     |          |      |
|               |                        |     | combined                 | ...    | 36  | at | 1  | 10  | 0        | = 58 |
|               |                        | {   | Rel barani               | ...    | 1   | at | 1  | 0   | 0 = 1    |      |
| Total         |                        |     |                          | 22,136 |     |    |    |     | 63,539   |      |

|                       | Acres. |   | Rs.    | a. | p. |    | Rs. | P.       |
|-----------------------|--------|---|--------|----|----|----|-----|----------|
| 2nd Group ...         |        | Gardens ... ..  | 1      | at | 2  | 8  | 0   | = 2      |
|                       |        | <i>Kharif.</i>  |        |    |    |    |     |          |
|                       |        | Rice under flow ... ..                                | 1,273  | at | 2  | 8  | 0   | = 3,183  |
|                       |        | Other crops under flow ... ..                         | 124    | at | 2  | 4  | 0   | = 279    |
|                       |        | Lift irrigation ... ..                                | 897    | at | 1  | 12 | 0   | = 1,370  |
|                       |        | Band barani.. { Rainfall and hill-floods              |        |    |    |    |     |          |
|                       |        | combined ... ..                                       | 237    | at | 1  | 10 | 0   | = 385    |
|                       |        | (Rainfall only ... ..                                 | 113    | at | 1  | 4  | 0   | = 141    |
|                       |        | Rel barani ... ..                                     | 25     | at | 1  | 0  | 0   | = 25     |
|                       |        | <i>Rabi.</i>  |        |    |    |    |     |          |
|                       |        | Sailabi and bosi ... ..                               | 2,154  | at | 2  | 4  | 0   | = 4,847  |
|                       |        | " aided by lift ... ..                                | 288    | at | 3  | 4  | 0   | = 936    |
|                       |        | Lift ... ..   | 858    | at | 2  | 0  | 0   | = 1,716  |
|                       |        | Band barani.. { Rainfall and hill-floods              |        |    |    |    |     |          |
|                       |        | combined ... ..                                       | 62     | at | 1  | 10 | 0   | = 101    |
|                       |        | (Rel barani ... ..                                    | 169    | at | 1  | 0  |     | = 169    |
|                       |        | Total ... ..  | 6,201  |    |    |    |     | 13,554   |
| Barani vil-<br>lages. |        | Gardens ... ..  | 1      | at | 1  | 10 | 0   | = 2      |
|                       |        | <i>Kharif.</i>  |        |    |    |    |     |          |
|                       |        | Lift ... ..   | 4      | at | 2  | 4  | 0   | = 9      |
|                       |        | Band barani.. { Rainfall and hill-floods              |        |    |    |    |     |          |
|                       |        | combined ... ..                                       | 26,853 | at | 1  | 10 | 0   | = 43,836 |
|                       |        | (Rainfall only ... ..                                 | 351    | at | 1  | 4  | 0   | = 439    |
|                       |        | Rel barani ... ..                                     | 6,075  | at | 1  | 0  | 0   | = 6,075  |
|                       |        | <i>Rabi.</i>  |        |    |    |    |     |          |
|                       |        | Sailabi and bosi ... ..                               | 8      | at | 2  | 12 | 0   | = 22     |
|                       |        | Lift ... ..   | 5      | at | 2  | 8  | 0   | = 13     |
|                       |        | Band barani.. { Rainfall and hill-floods              |        |    |    |    |     |          |
|                       |        | combined ... ..                                       | 1,154  | at | 1  | 10 | 0   | = 1,876  |
|                       |        | (Rainfall only ... ..                                 | 2      | at | 1  | 4  | 0   | = 3      |
|                       |        | Rel barani ... ..                                     | 9      | at | 1  | 0  | 0   | = 9      |
|                       |        | Total ... ..  | 34,462 |    |    |    |     | 52,084   |
|                       |        | Grand Total ... ..                                    | 62,799 |    |    |    |     | 1,28,977 |
|                       |        | <i>Deduct</i> —Estimated amount on account of canal   |        |    |    |    |     |          |
|                       |        | clearance allowances, <i>vide</i> Rule 5 of the rules |        |    |    |    |     |          |
|                       |        | for the administration of irrigational settlements    |        |    |    |    |     | 2,000    |
|                       |        | Estimate of Collections                               |        |    |    |    |     | 1,26,977 |

A reference to the abstract of Appendix XVI shows that, under the present settlements, the average assessment during the last four years has been Rs. 1,20,409, while the assessment under the proposed rates, based on the average cultivation of the past four years (62,799 acres), will be Rs. 1,26,977. The proposed settlement will thus produce an increase of Rs. 6,568, or 5.45 per cent., in the surveyed lands of the Johi Taluka, excluding 16 dohs transferred from the Kakar Taluka. To the sum of Rs. 1,26,977 must be added Rs. 327 derivable from dubari cultivation at the rate of 4 annas per acre in villages which are at present under revision settlement and pay no assessment for dubari cultivation. The average extent of such cultivation during the past four years has been 1,307 acres.

A reference to Appendix XVII shows that the average annual amount of cultivation in unsurveyed lands during the last four years has been 1,713 acres, excluding dubari cultivation, which gives an average annual assessment of Rs. 2,856 according to the rates now in force. The rates now proposed would, however, yield an average annual assessment on the cultivation of the past four years of Rs. 2,504, a decrease of Rs. 352, or 12.32 per cent.

The average annual amount of ahur cultivation in the seven marginally noted dehs watered by the Manchar lake during the last three years, viz., 1894-95 to 1896-97, has been about 4,566 acres, which give an annual average assessment of Rs. 7,580. No alteration in the rates of ahur cultivation has been proposed, as they are working well.

The above estimate includes the Village Officer's cess of one-seventeenth of the revenue collections. Sub-divided, the amount stands Rs. 1,29,306 revenue and Rs. 8,082 Village Officer's cess. The following are the figures for the Johi villages, exclusive of transferred Kakar villages, in surveyed and unsurveyed lands:—

| Gross Revenue, including Dubari. | Canal Clearance. | Revenue for Collection. | Village Cess. | Land Revenue. | Average Revenue of past 4 years, 1893-94 to 1896-97. | Increase. | Increase per cent. |
|----------------------------------|------------------|-------------------------|---------------|---------------|--|-----------|--------------------|
| Rs.                              | Rs.              | Rs.                     | Rs.           | Rs.           | Rs.  | Rs.       | Rs.                |
| 1,39,368                         | 2,000            | 1,37,368                | 8,082         | 1,29,306      | 1,30,871   | 6,517     | 4.98               |

The dehs transferred from the Kakar Taluka, which are not included in the above estimate, yield an average annual assessment, based on the cultivation of the last four years, of Rs. 18,520. If, then, these figures be added to those for the rest of the taluka, the estimated land revenue of the future for the whole taluka will be Rs. 1,55,908 as against the average land revenue of the past four years of Rs. 1,49,391.

72. The Honourable Mr. James in his own review of Mr. Disney's proposed rates stated in paragraph 10 of his No. R-41 of 11th March 1892 he hoped that the re-examination of the taluka, village by village, and a careful proposal of rates would result in an increase at least as large as Mr. Disney had proposed. Mr. Disney's proposed estimate was an increase of nearly 9 per cent. (excluding Kakar dehs, not then transferred) as against 4.98 per cent. now shown, but Mr. Disney's estimate included the result of his own enhanced barani rates, which in a modified form were sanctioned by Government in Government Resolution No. 4388 of 21st May 1892. The increase by the sanctioned barani rates was equivalent to 4.62 per cent. of Mr. Disney's 9 per cent. for all forms of cultivation. If to this be added the 4.98 per cent. increase on the remaining cultivation, now proposed, the total increase is 9.60, or practically the same as would have resulted from the acceptance of Mr. Disney's rates.

73. The fallow rules will be applicable to canal-irrigated lands only. By Government Resolution No. 4499 of 2nd July 1891, the Manchar lands are exempt from the operation of the rules. Barani lands are also exempt.

74. I beg to recommend that the proposed rates be brought into force with effect from the Revenue year 1898-99.

Appendices.

75. With this report, I submit—

- Appendix No. I, map showing proposed grouping.
- Appendix No. II, irrigation map.
- Appendix No. III-A, list of existing villages.
- Appendix No. III-B, list of proposed villages.
- Appendix Nos. IV to XXIX, miscellaneous appendices (see index).

I have the honour to be,  
Sir,  
Your most obedient Servant,

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.



## APPENDIX XXVIII.

No. 1721 of 1898.

REVENUE DEPARTMENT.

*Collector's Office,**Camp on the Indus, 22nd March 1898.*

To

THE SUPERINTENDENT,

Land Records and Agriculture, Sind.

## MEMORANDUM—

The Acting Collector has the honour to forward to Mr. Seymour, Superintendent, Land Records and Agriculture, the following notes made after their discussion of the draft revision settlement report of the Johi Taluka.

2. The condition of the inhabitants of the taluka has not materially improved since the Honourable Mr. James asked Government to postpone the introduction of new rates. This must be held to be due chiefly to the extremely uncertain nature of the water-supply in the taluka, rendering not only cultivation itself precarious, but affecting most injuriously the character of the land-holders, and partly to the free scope the money-lenders enjoy here—perhaps, more than elsewhere.

3. The nature of the cultivation will be fully understood from Mr. Seymour's report. The greater part of it, which depends on rain, is of course absolutely precarious. The portion of it on the Mauchar is almost equally so. A high Mauchar inundation, while destroying the kharif crops, renders the rabi cultivation most uncertain from the doubts whether the water will either fall too quickly to thoroughly saturate the land, or will remain covered too long for the crops to be successfully grown.

4. Uncertainty of cultivation must always make the land-holders worse cultivators. In a good year, the Muhammadan zamindar spends all he gets. In a bad year, he has to depend on the Bania. Even the more thrifty are obliged to borrow constantly in order to buy seed after a bad season. Could Government only take their dues in kind, the zamindar could pay larger amounts with greater ease. It is the punctuality, not the amount, of our requirements in hard cash that tells hardly upon the Muhammadan.

5. The money-lenders, moreover, are, the Acting Collector thinks, of a worse type than those to be found in other parts of Sind; and in the Sehwan Subordinate Civil Court they have long had a very strong support.

6. For these reasons, it is not surprising to learn that more zamindars have, as the undersigned is informed, gone under the Incumbered Estates Act from Johi than from any other taluka in Sind. Most of those who hold on are much embarrassed, while the smaller land-holders are, the Acting Collector fears, being extinguished and must become extinct, unless some measure similar to the Deccan Agriculturists' Relief Act is introduced in their behalf.

7. A tour in the Johi Taluka is, for this reason, a melancholy duty. At every camp, petitions are received from men who have lost their all through Civil Court decrees on account of debts originally trifling, while in many cases the families of anonymous founders of villages are altogether lost and forgotten, or hold some half dozen acres where they had formerly as many hundreds.

8. The land having thus passed to such an extent into the hands of the Bania, it might be urged that there is now no reason why the full assessment, which the land can fairly bear, and which the Bania can well afford to pay, should not be taken by Government. This, however, the Acting Collector thinks, would be a most unwise course. In the first place, there are still a number of Muhammadan zamindars struggling along; and, secondly, the very

fact of so many being under management renders the proportion that will start afresh with a clean state the larger. As by that time it may be hoped the Government of India will both have limited the power of the land-holder to encumber his land and have curtailed the present powers of the Civil Court, it will then be possible to maintain the zamindars on the soil.

9. Of the need of doing so, one concrete instance may be given. The northern portion is chiefly held by Jamali Baluchis. They are now deeply—in many cases, hopelessly—indebted. Originally notorious freebooters, the Jamali Waderas are now certainly not checking—if they are not themselves aiding—thefts and robberies, and the taluka is not in a good condition from a criminal point of view.

10. On these grounds, the Acting Collector would deprecate any large increase in assessment, and would submit that the rates should be lower than those in neighbouring talukas, and he considers that the rates proposed by Mr. Seymour are very suitable. Where the percentage of increase is considerable, it will be found to be inevitable, and the reasons are sufficiently given by Mr. Seymour.

11. With regard to canal-cultivation, the Acting Collector would point out that the Executive Engineer's remark, quoted by Mr. Seymour, that the Nara flows throughout the year might be misleading, as it refers apparently only to the mouth. There is, of course, no flow in the portion adjoining Johi during the cold season. The figures given by Mr. Seymour show that the cultivation on the Nara in the Johi Taluka has not increased as it has done elsewhere on the same canal. The various improvements on the Nara have, the Acting Collector believes, benefited it greatly in the upper reaches, and the cultivation on its left bank near Bhan is excellent. But if this has not been done at the expense of the Johi cultivation, the latter has certainly not benefited thereby. Should the new scheme lately proposed by Mr. Doig be brought into effect, the right bank of the Nara would benefit, since much of the left bank cultivation would be put on the new canal, and the Dingri wah would be enlarged and possibly extended. But it is doubtful whether the scheme will be passed—at least, in its present form. The Acting Collector agrees with Mr. Seymour that it would probably pay Government to take over and clear the Ali Murad wah and Kur Jamak. The former would be especially beneficial to the bare land round Johi town. The Executive Engineer, Western Nara, has been addressed on the subject of the Dingri wah.

12. The Acting Collector agrees with Mr. Seymour's grouping of the dehs on the Manchar. It is very difficult to strike the balance of profit and loss caused by the recent high Manchar inundations; but there can be no doubt that many of the zamindars have suffered very heavy losses. In the dehs on the eastern side, Shah Hasan and Dabhri, the loss has been far greater than any advantage gained by the unusual flooding of high land. The band between Talti and Schwan, which the Acting Collector believes to be one of the most necessary points of Mr. Doig's new scheme, will lessen the extent of these floods, even if the Aral and Dunster wals cannot be closed, as has been proposed. It must be remembered with regard to these Manchar lands that while the soil is excellent, yet the crops are only good on land which is left by the water at the proper time. The crops on land left uncovered too late are moderate to very poor.

13. The continuance of the special rate for all "ahur" crops grown on land watered by the Manchar appears to the undersigned extremely necessary. It is not that "ahur" in itself gives a poor or non-paying crop, because its produce and value may be little, if at all, inferior to jambho and sariah, but because it is chiefly grown on the last land to be left bare by the water, and the crop is, therefore, an extremely uncertain one. The Acting Collector knows of one instance this year in which a zamindar scattered "ahur" seed over nearly 300 acres of land, and the result has been almost nothing.

14. The three rates for rain cultivation proposed by Mr. Seymour are, in undersigned's opinion, correct. There can be no doubt that the profits on a good barani crop are very large. But good crops are rare, and the cultivators

are in most cases poor, and have this year, when the crops have been so good, been obliged to pay very highly for the seed in advance. The rate of Re. 1-10-0 for hand barani aided by hill-floods does not, therefore, appear too low. Undersigned thinks that unaided band barani (1-4-0) and rel barani (1-0-0) are rightly differentiated. It may be taken for certain that the cultivator will erect a band when there is any hope of good cultivation, and that land cultivated without any band will yield a very uncertain crop.

15. Mr. Seymour rightly, undersigned thinks, does not put any extra rate on the lands, referred to in his paragraph 61, cultivated on hill-springs. The area of this cultivation is very small, and is not likely to be in any way increased.

16. A separate report will be submitted on the subject of the assessment, or exemption from assessment, of the small areas cultivated in the Kohistan of the Johi Taluka. It does not affect the revision in the taluka, but it will be as well that the orders of Government should be obtained at the same time.

P. R. CADELL,  
Acting Collector of Karachi.



Gul Hayat Institute

## APPENDIX III-A.

*List of Villages under the existing settlement of the Johi Taluka of the Karachi Collectorate.*

| No. | Names of Villages.  | No. | Names of Villages.                                |
|-----|---|-----|---|
|     | <i>1.—Dehs originally transferred from the Sehwari Taluka and those formed from them—</i> |     | <i>(b) Barani—continued.</i>                      |
|     | <i>(a) Dependent upon canals.</i>   | 51  | Kot Chakar.                                       |
| 1   | Sakhro.   | 52  | Drigh Mathan Jagir (unsurveyed).                  |
| 2   | Gahi Charo.   | 53  | Potho.  |
| 3   | Arani.  | 54  | Sakar Halejo (unsurveyed).                        |
| 4   | Machhiko.   | 55  | Phero Dero.                                       |
| 5   | Lohri.  | 56  | Allahyar Dero.                                    |
| 6   | Khan Wah.   | 57  | Gaji Khan.  |
| 7   | Makhan Belo.  | 58  | Kabo Kalandar (unsurveyed).                       |
| 8   | Shah Hasan.   | 59  | Haji Khan.  |
| 9   | Dabhri.   | 60  | Nausahro.   |
|     | <i>(b) Barani.</i>  | 61  | Naunari.  |
| 10  | Hilly Tract (unsurveyed).   | 62  | Jampur Lundki.                                    |
| 11  | Gorandi.  | 63  | Bakir Shahid.                                     |
| 12  | Phadik.   | 64  | Miran Machhi.                                     |
| 13  | Wahi Pir Gaji.  | 65  | Pat Suleman (unsurveyed).                         |
| 14  | Dhaunk.   | 66  | Nai Taki.   |
| 15  | Berach.   | 67  | Shol Jagir (unsurveyed).                          |
| 16  | Tori.   | 68  | Halejo.   |
|     | <i>2.—Dehs originally transferred from the Dadu Taluka and those formed from them—</i>    | 69  | Jalab.  |
|     | <i>(a) Dependent upon canals.</i>   | 70  | Shori Jagir (unsurveyed).                         |
| 17  | Kur Jamik.  | 71  | Wahi Pandhi.                                      |
| 18  | Jampur Puhwarki.  | 72  | Khuh Mano (unsurveyed).                           |
| 19  | Vageji.   | 73  | Kukraui.  |
| 20  | Johi.   | 74  | Nali.   |
| 21  | Dara Machhi.  | 75  | Thul.   |
| 22  | Gaha.   | 76  | Araro (unsurveyed).                               |
| 23  | Abad.   | 77  | Pat Kanhiri (unsurveyed).                         |
| 24  | Chan.   | 78  | Sawiro.   |
| 25  | Kharichh.   | 79  | Bahel.  |
| 26  | Per Dhuari.   | 80  | Shadman.  |
| 27  | Phulji.   | 81  | Tok Kasim.  |
| 28  | Shah Morio.   | 82  | Khadani.  |
| 29  | Mothiri.  | 83  | Augai.  |
| 30  | Khat.   | 84  | Basham Fakir.                                     |
| 31  | Bahawalpur.   | 85  | Chhini.   |
| 32  | Kur Kalan.  |     | <i>3.—Dehs transferred from the Kakar Taluka—</i> |
| 33  | Buthi.  |     | <i>Group II.</i>                                  |
| 34  | Suranjri Jagir.   |     | <i>Barani dehs.</i>                               |
| 35  | Drigh Hethin Jagir.   | 86  | Tor.  |
|     | <i>(b) Barani.</i>  | 87  | Ladho Dero.                                       |
| 36  | Patori (unsurveyed).  | 88  | Rajo Dero.  |
| 37  | Mianji Kandi (unsurveyed).  | 89  | Kasbo.  |
| 38  | Nuro.   | 90  | Malko Jagir (unsurveyed).                         |
| 39  | Jhalko.   | 91  | Lalhar Barani (unsurveyed).                       |
| 40  | Duabo.  |     | <i>Group III.</i>                                 |
| 41  | Suk Nai.  |     | <i>Dependent upon canals.</i>                     |
| 42  | Mir Wah.  | 92  | Kot Bajo.   |
| 43  | Hero Khan.  | 93  | Thariri Jado Shahid.                              |
| 44  | Pai.  |     | <i>Barani unsurveyed.</i>                         |
| 45  | Murid Dero.   | 94  | Kur Faujo Barani.                                 |
| 46  | Masu Dero.  | 95  | Malar Barani.                                     |
| 47  | Naichki.  | 96  | Kathia Barani.                                    |
| 48  | Pahor (unsurveyed).   | 97  | Tori Barani.                                      |
| 49  | Patoro (unsurveyed).  | 98  | Ber Bughio Barani.                                |
| 50  | Hasnani.  | 99  | Gul Muhammad Barani.                              |
|     |   | 100 | Keti Navi.  |
|     |   | 101 | Din Panah.  |

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.



## APPENDIX III-B.

*List of Villages under the proposed irrigational settlement of the Johi Taluka of the Karachi Collectorate.*

| No.               | Names of Villages.        | No.  | Names of Villages.               |
|-------------------|---------------------------|--|----------------------------------|
| <i>1st Group.</i> |                           | <i>Barani—contd.</i>                           |                                  |
| 1                 | Shah Morio.               | 55   | Nai Taki.                        |
| 2                 | Bahwalpur.                | 56   | Pat Suleman (unsurveyed).        |
| 3                 | Drigh Hethin Jagir.       | 57   | Shol Jagir (unsurveyed).         |
| 4                 | Johi.                     | 58   | Wahi Pandhi.                     |
| 5                 | Dara Machhi.              | 59   | Shori Jagir (unsurveyed).        |
| 6                 | Gaha.                     | 60   | Jalab.                           |
| 7                 | Chana.                    | 61   | Halejo.                          |
| 8                 | Abad.                     | 62   | Sakar Halejo (unsurveyed).       |
| 9                 | Kharichh.                 | 63   | Potho.                           |
| 10                | Saklro.                   | 64   | Phero Dero.                      |
| 11                | Khan Wah.                 | 65   | Drigh Mathin Jagir (unsurveyed). |
| 12                | Gahi Charo.               | 66   | Allahyar Dero.                   |
| 13                | Aruni.                    | 67   | Haji Khan.                       |
| 14                | Makhan Belo.              | 68   | Gaji Khan.                       |
| 15                | Lehri.                    | 69   | Kabo Kalandar (unsurveyed).      |
| 16                | Shah Hasan.               | 70   | Patori (unsurveyed).             |
| 17                | Dabhri.                   | 71   | Mianji Kandi (unsurveyed).       |
| <i>2nd Group.</i> |                           | 72   | Patoro (unsurveyed).             |
| 18                | Phulji.                   | 73   | Hasnani.                         |
| 19                | Mothiri.                  | 74   | Kot Chakar.                      |
| 20                | Khat.                     | 75   | Pai.                             |
| 21                | Buthi.                    | 76   | Hero Khan.                       |
| 22                | Kur Jamik.                | 77   | Murid Dero.                      |
| 23                | Suranjri Jagir.           | 78   | Masu Dero.                       |
| 24                | Jampur Pahwarki.          | 79   | Naichki.                         |
| 25                | Vageji.                   | 80   | Mir Wah.                         |
| 26                | Per Dhuari.               | 81   | Suk Nai.                         |
| 27                | Kur Kalan.                | 82   | Pahor (unsurveyed).              |
| 28                | Machhko.                  | 83   | Nuro.                            |
| <i>Barani.</i>    |                           | 84   | Jhaliko.                         |
| 29                | Berah.                    | 85   | Duabo.                           |
| 30                | Hilly Tract (unsurveyed)  | <i>Dehs transferred from the Kakar Taluka.</i> |                                  |
| 31                | Gorandi.                  | <i>Group II (Kakar Settlement).</i>            |                                  |
| 32                | Phadik.                   | <i>Barani Dehs.</i>                            |                                  |
| 33                | Wahi Pir Gaji.            | 86   | Tor.                             |
| 34                | Dhaunk                    | 87   | Ladho Dero.                      |
| 35                | Tori.                     | 88   | Rajo Dero.                       |
| 36                | Angai.                    | 89   | Kasbo.                           |
| 37                | Basham Fakir.             | 90   | Malko Jagir (unsurveyed).        |
| 38                | Chhini.                   | 91   | Lathar Barani (unsurveyed).      |
| 39                | Pat Kanhiri (unsurveyed). | <i>Group III (Kakar Settlement).</i>           |                                  |
| 40                | Sawiro.                   | <i>Dependent upon canals.</i>                  |                                  |
| 41                | Bahlel.                   | 92   | Kot Bajo.                        |
| 42                | Shadman.                  | 93   | Thariri Jado Shahid.             |
| 43                | Khadani.                  | <i>Barani unsurveyed.</i>                      |                                  |
| 44                | Tok Kasim.                | 94   | Kur Fanjo Barani.                |
| 45                | Kukrani.                  | 95   | Malar Barani.                    |
| 46                | Kbuh Mano (unsurveyed).   | 96   | Kathia Barani.                   |
| 47                | Nali.                     | 97   | Tori Barani.                     |
| 48                | Thul.                     | 98   | Ber Bughio Barani.               |
| 49                | Araro (unsurveyed).       | 99   | Gul Muhammad Barani.             |
| 50                | Miran Machhi.             | 100  | Keti Navi.                       |
| 51                | Bakhr Shahid.             | 101  | Din Panah.                       |
| 52                | Naunari.                  |  |                                  |
| 53                | Jampur Lundki.            |  |                                  |
| 54                | Naushahro.                |  |                                  |

## APPENDIX IV.

Average Rainfall for six years, i.e., from 1891-92 to 1896-97.

| Taluka.  | Station where registered. | Months.  | AVERAGE RAINFALL.                             |  |
|----------|---------------------------|--|---|--|
|          |                           |  | Inches.                                       | Cents.                                 |
| Johi ... | Mukhtyarkar's Office.     | 1891-92 . {<br>January ...<br>February ...<br>May ...<br>June ...<br>July ...                              | ...<br>...<br>...<br>...<br>...               | 8<br>2<br>2<br>44<br>41                |
|          |                           | Total ...  | ...   | 97                                     |
|          |                           | 1892-93 . {<br>August ...<br>January ...<br>February ...<br>March ...<br>May ...<br>June ...<br>July ...   | 8<br>...<br>...<br>...<br>...<br>...<br>...   | 62<br>86<br>27<br>43<br>15<br>44<br>37 |
|          |                           | Total ...  | 12  | 14                                     |
|          |                           | 1893-94 . {<br>January ...<br>February ...<br>March ...<br>July ...  | 1<br>...<br>...<br>3                          | 65<br>58<br>70<br>17                   |
|          |                           | Total ...  | 6   | 10                                     |
|          |                           | 1894-95 . {<br>December ...<br>January ...<br>February ...<br>March ...<br>May ...<br>June ...<br>July ... | ...<br>...<br>...<br>...<br>...<br>...<br>... | 8<br>17<br>19<br>80<br>24<br>6<br>10   |
|          |                           | Total ...  | 1   | 64                                     |
|          |                           | 1895-96 . {<br>August ...<br>November ...<br>December ...<br>January ...<br>March ...<br>June ...          | 4<br>...<br>...<br>...<br>...<br>...          | 6<br>2<br>72<br>28<br>10<br>40         |
|          |                           | Total ...  | 5   | 58                                     |
|          |                           | Total of five years 1891-92 to 1895-96.  | 26  | 43                                     |
|          |                           | Average of five years 1891-92 to 1895-96 ...   | 5   | 29                                     |
|          |                           | 1896-97 . {<br>August ...<br>February ...<br>April ...<br>July ...   | 1<br>...<br>...<br>...                        | 77<br>50<br>7<br>28                    |
|          |                           | Total ...  | 2   | 62                                     |
|          |                           | Total of six years 1891-92 to 1896-97.   | 29  | 5                                      |
|          |                           | Average of six years 1891-92 to 1896-97 ...  | 4   | 84                                     |

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.

**APPENDIX V.**  
*Details of Population, 1891.*

| Taluka.  | Caste.       | MALES     |          | Total Males. | FEMALES   |          | Total Females. | Total Population. | CAN READ AND WRITE OR LEARNING. |                  |                   |                  |
|--|--------------|-----------|----------|--------------|-----------|----------|----------------|-------------------|---------------------------------|------------------|-------------------|------------------|
|  |              | Under 15. | Over 15. |              | Under 12. | Over 12. |                |                   | Males per cent.                 |                  | Females per cent. |                  |
|  |              |           |          |              |           |          |                |                   | No.                             | Percent-<br>age. | No.               | Percent-<br>age. |
|  |              |           |          |              |           |          |                |                   |                                 |                  |                   |                  |
| 1  | 2            | 3         | 4        | 5            | 6         | 7        | 8              | 9                 | 10                              | 11               | 12                | 13               |
| Johi ...   | Hindus ...   | 1,078     | 1,696    | 2,774        | 898       | 1,259    | 2,157          | 4,931             | 1,298                           | 46.79            | 7                 | .32              |
|  | Muhammadans  | 9,119     | 12,543   | 21,662       | 7,372     | 10,883   | 18,255         | 39,917            | 238                             | 1.10             | 9                 | .05              |
|  | Total ...    | 10,197    | 14,239   | 24,436       | 8,270     | 12,143   | 20,412         | 44,848            | 1,536                           | 6.29             | 16                | .08              |
| Dehs trans-<br>ferred from<br>the Kakar<br>Taluka to<br>Johi Taluka<br>in 1893-94. | Hindus ...   | ...       | ...      | 524          | ...       | ...      | 462            | 986               | ...                             | ...              | ...               | ...              |
|  | Muhammadans  | ...       | ...      | 3,326        | ...       | ...      | 2,759          | 6,085             | ...                             | ...              | ...               | ...              |
|  | Total ...    | ...       | ...      | 3,850        | ...       | ...      | 3,221          | 7,071             | ...                             | ...              | ...               | ...              |
|  | GRAND TOTAL. | ...       | ...      | 28,286       | ...       | ...      | 23,633         | 51,919            | ...                             | ...              | ...               | ...              |

*Note.*—The details for columns 3, 4, 6, 7 and 10 to 13 for the dehs transferred from the Kakar Taluka could not be furnished by the Mukhtyarkar of that taluka.

**APPENDIX VI.**  
*Occupation of People.*

| Taluka.                                    | No. of surveyed Villages. | Occupation.             | NUMBER. |           |
|--|---------------------------|-------------------------|---------|-----------|
|  |                           |                         | No.     | Per cent. |
| Johi ...                                   | 71                        | Agricultural ...        | 26,187  | 64.10     |
|  |                           | Partly agricultural ... | 2,080   | 5.09      |
|  |                           | Non-agricultural ...    | 12,585  | 30.81     |
|  |                           |                         | 40,852* | 100       |
| Dehs transferred from<br>the Kakar Taluka. | 6                         | Agricultural ...        | 450     | 19.07     |
|  |                           | Partly agricultural ... | 214     | 9.07      |
|  |                           | Non-agricultural ...    | 1,696   | 71.86     |
|  |                           |                         | 2,360†  | 100       |

\* These figures do not include 3,996 souls, the population of 11 unsurveyed and 3 alienated villages.

† These figures do not include 4,711 souls, the population of 9 unsurveyed and 1 alienated villages.

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.

## APPENDIX VII.

## Statement showing Sales in the Johi Taluka.

| Year. | No. of Cases.                        | Area. | Total Snni for which sold. | Sale Rate per acre. | Total Assessment. | Average Rate of Assessment per acre. | PASSED INTO THE HANDS OF HINDUS FROM MUHAMMADANS |             |
|-------|--------------------------------------|-------|----------------------------|---------------------|-------------------|--------------------------------------|--|-------------|
|       |                                      |       |                            |                     |                   |                                      | Area.  | Assessment. |
|       |                                      | A. g. | Rs. a. p.                  | Rs. a. p.           | Rs. a.            | Rs. a. p.                            | A. g.  | Rs. a.      |
| 1891  | 1 to 10 times Government assessment. | 21    | 1,388 30                   | 6,740 8 0           | 4 13 7            | 1,738 8                              | 1,096 10   | 1,187 8     |
|       | 11 to 20                             | 19    | 283 8                      | 7,060 4 0           | 24 14 11          | 460 8                                | 197 20   | 283 8       |
|       | 21 to 30                             | 3     | 19 25                      | 1,100 0 0           | 56 0 10           | 51 0                                 | 15 17 1/2  | 42 0        |
|       | 31 to 40                             | 5     | 75 17                      | 3,247 0 0           | 43 0 9            | 226 14                               | 75 17  | 226 14      |
|       | 41 to 50                             | 1     | 2 23                       | 300 0 0             | 116 8 1           | 7 0                                  | 2 23   | 7 0         |
|       | Total                                | 59    | 1,769 23                   | 18,447 12 0         | 10 6 10           | 2,483 14                             | 1,387 7 1/2                                      | 1,746 14    |
| 1892  | 1 to 10                              | 38    | 2,529 23                   | 9,977 10 0          | 3 15 1            | 3,296 0                              | 722 2  | 938 0       |
|       | 11 to 20                             | 26    | 487 2                      | 10,114 8 8          | 21 6 2            | 697 9                                | 257 10   | 362 1       |
|       | 21 to 30                             | 9     | 71 1                       | 3,151 6 0           | 44 5 11           | 217 11                               | 38 36  | 89 0        |
|       | 31 to 40                             | 10    | 144 26                     | 6,541 0 0           | 45 3 4            | 191 15                               | 129 11   | 154 0       |
|       | 41 to 50                             | 1     | 2 0                        | 184 0 0             | 92 0 0            | 4 0                                  | ...  | ...         |
|       | Total                                | 85    | 3,240 22                   | 30,637 8 8          | 9 7 5             | 4,414 3                              | 1,147 19   | 1,563 1     |
| 1893  | 1 to 10                              | 46    | 2,181 18                   | 16,318 14 0         | 7 7 8             | 4,335 8                              | 1,962 23   | 3,840 8     |
|       | 11 to 20                             | 45    | 474 27                     | 14,721 8 0          | 31 0 3            | 910 10                               | 247 25   | 508 11      |
|       | 21 to 30                             | 9     | 79 6                       | 3,502 12 0          | 36 0 1            | 217 1                                | 62 5   | 167 8       |
|       | 31 to 40                             | 4     | 77 27                      | 2,719 10 0          | 33 0 2            | 105 0                                | 77 27  | 105 0       |
|       | 41 to 50                             | 1     | 20 20                      | 1,160 0 0           | 56 11 8           | 30 8                                 | 20 20  | 30 8        |
|       | Total                                | 105   | 2,851 18                   | 38,422 12 0         | 13 7 7            | 5,598 11                             | 2,370 20   | 4,652 3     |
| 1894  | 1 to 10                              | 64    | 1,327 7                    | 12,635 13 0         | 9 8 3             | 2,437 8                              | 730 25   | 1,300 0     |
|       | 11 to 20                             | 51    | 733 29                     | 22,111 1 0          | 29 14 11          | 1,596 14                             | 533 33   | 1,133 10    |
|       | 21 to 30                             | 20    | 481 7                      | 20,007 4 0          | 41 0 3            | 773 8                                | 461 27   | 754 8       |
|       | 31 to 40                             | 4     | 40 25                      | 2,022 0 0           | 49 12 4           | 52 0                                 | 13 5   | 24 0        |
|       | 41 to 50                             | 1     | 8 20                       | 100 0 0             | 47 0 11           | 8 0                                  | 8 20   | 8 0         |
|       | Total                                | 142   | 2,633 33                   | 59,955 14 0         | 22 12 3           | 4,918 14                             | 1,765 15   | 3,271 2     |
| 1895  | 1 to 10                              | 63    | 2,003 11                   | 18,285 12 0         | 9 2 1             | 4,498 8                              | 1,228 22   | 2,579 0     |
|       | 11 to 20                             | 50    | 1,224 22                   | 1,02,530 6 0        | 83 15 10          | 2,285 8                              | 860 23   | 1,596 0     |
|       | 21 to 30                             | 13    | 55 11                      | 5,794 0 0           | 104 13 3          | 242 0                                | 26 23  | 181 0       |
|       | 31 to 40                             | 6     | 26 3                       | 1,994 0 0           | 76 7 7            | 56 0                                 | 8 7  | 19 0        |
|       | 41 to 50                             | 3     | 17 27                      | 1,150 0 0           | 65 1 0            | 24 0                                 | 8 7  | 9 0         |
|       | Total                                | 136   | 3,334 14                   | 1,30,854 2 0        | 89 3 11           | 7,058 0                              | 2,132 2  | 4,384 0     |
| 1896  | 1 to 10                              | 37    | 2,545 25                   | 20,805 6 0          | 8 2 9             | 4,689 7                              | 801 4  | 1,409 6     |
|       | 11 to 20                             | 59    | 1,132 23                   | 34,960 10 3         | 30 13 11          | 2,283 11                             | 719 9  | 1,403 4     |
|       | 21 to 30                             | 34    | 382 35                     | 18,926 15 6         | 49 7 8            | 752 4                                | 310 15   | 629 13      |
|       | 31 to 40                             | 11    | 68 3                       | 3,601 14 0          | 53 0 2            | 109 14                               | 43 33  | 66 13       |
|       | 41 to 50                             | 7     | 336 1                      | 29,467 0 0          | 87 11 2           | 719 5                                | 308 36   | 680 8       |
|       | Total                                | 151   | 4,480 6                    | 1,69,551 9 9        | 24 7 3            | 8,581 1                              | 2,198 16   | 4,216 4     |
|       | GRAND TOTAL                          | 678   | 18,309 36                  | 3,87,899 10 5       | 21 3 0            | 33,051 11                            | 11,020 39 1/2                                    | 19,833 8    |

NOTE.—The details of Sales for the years prior to 1891 are not available in the Mukhtyar's office.

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.



## APPENDIX VIII.

*Abstract of Statement of Sub-letting in the Johi Taluka.*

| Year.              | No. of Cases.                             | Area.    | Sum for which sub-let. | Rate per Acre. | Total Assessment. | Average Rate of Assessment per Acre. |
|--------------------|---|----------|------------------------|----------------|-------------------|--------------------------------------|
|                    |   | A. g.    | Rs. a.                 | Rs. a. p.      | Rs. a.            | Rs. a. p.                            |
| 1891               | 1 to 5 times Government assessment ... 12 | 6,268 8  | 12,704 6               | 2 0 5          | 11,347 0          | 1 12 11                              |
|                    | 6 to 10 " " ... 3                         | 565 20   | 8,000 0                | 13 14 7        | 1,203 0           | 2 3 0                                |
|                    | Total ... 15                              | 6,833 28 | 20,704 6               | 3 0 4          | 12,550 0          | 1 13 5                               |
| 1892               | 1 to 5 " " ... 9                          | 4,858 21 | 19,300 0               | 3 15 7         | 7,155 0           | 1 7 6                                |
|                    | 6 to 10 " " ... 1                         | 81 25    | 2,000 0                | 24 8 8         | 226 0             | 2 12 4                               |
|                    | 11 to 15 " " ... 1                        | 168 0    | 2,300 0                | 13 11 0        | 210 0             | 1 4 0                                |
|                    | Total ... 11                              | 5,108 6  | 23,600 0               | 4 9 11         | 7,591 0           | 1 7 9                                |
| 1893               | 1 to 5 " " ... 10                         | 2,831 0  | 10,954 1               | 3 13 11        | 10,713 0          | 3 12 6                               |
|                    | 11 to 15 " " ... 2                        | 371 27   | 901 9                  | 2 6 10         | 825 0             | 2 3 6                                |
|                    | Total ... 12                              | 3,202 27 | 11,855 10              | 3 11 3         | 11,538 0          | 3 11 0                               |
| 1894               | 1 to 5 " " ... 1                          | 98 15    | 925 0                  | 9 6 3          | 268 0             | 2 11 6                               |
|                    | 6 to 10 " " ... 1                         | 533 25   | 7,500 0                | 14 0 11        | 1,067 0           | 2 0 2                                |
|                    | 11 to 15 " " ... 2                        | 539 0    | 11,500 0               | 21 5 4         | 986 0             | 1 13 3                               |
|                    | 16 to 20 " " ... 1                        | 194 20   | 7,500 0                | 38 9 0         | 389 0             | 2 0 0                                |
|                    | 51 to 55 " " ... 2                        | 130 20   | 790 0                  | 6 0 10         | 212 0             | 1 10 0                               |
|                    | Total ... 7                               | 1,496 0  | 28,215 0               | 18 13 9        | 2,922 0           | 1 15 1                               |
| 1895               | 1 to 5 " " ... 23                         | 6,903 5  | 10,937 8               | 1 9 4          | 11,717 0          | 1 11 2                               |
|                    | 6 to 10 " " ... 8                         | 579 16   | 5,619 0                | 9 11 2         | 1,167 8           | 2 0 3                                |
|                    | 11 to 15 " " ... 1                        | 61 20    | 1,186 0                | 19 4 7         | 100 0             | 1 10 0                               |
|                    | Total ... 32                              | 7,544 3  | 17,742 8               | 2 5 8          | 12,984 8          | 1 11 6                               |
| 1896...            | 1 to 5 " " ... 4                          | 1,271 18 | 3,562 0                | 2 1 6          | 2,563 7           | 2 0 3                                |
|                    | Total ... 4                               | 1,271 18 | 3,562 0                | 2 1 6          | 2,563 7           | 2 0 3                                |
| GRAND TOTAL ... 81 |   | 25,456 2 | 1,05,679 8             | 4 2 5          | 50,148 15         | 1 15 6                               |

NOTES.—In all the above cases, the assessment and the cost of canal clearance are borne by the lessee.  
Details of sub-letting in the years prior to 1891 are not available in the Mukhtyarkar's office.

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.

Gul Hayat Institute

# APPENDIX IX.

## Statement showing Mortgages in the Johi Taluka of the Karachi Collectorate.

| Year.       | No. of Cases.                       | Total number of Acres. | Sum for which mortgaged | Mortgage Rate per Acre. | Total Assessment. | Average Rate of Assessment per Acre. | PASSED FROM MUHAMMADANS TO HINDUS. |             |                     |             | REMARKS.   |
|-------------|-------------------------------------|------------------------|-------------------------|-------------------------|-------------------|--------------------------------------|------------------------------------|-------------|---------------------|-------------|--|
|             |                                     |                        |                         |                         |                   |                                      | WITH POSSESSION.                   |             | WITHOUT POSSESSION. |             |  |
|             |                                     |                        |                         |                         |                   |                                      | Area.                              | Assessment. | Area.               | Assessment. |  |
| 1891        | 1 to 10 times Government assessment | 170                    | 65,987 12 0             | 3 4 11                  | 27,411 8          | 1 6 10                               | 16,977 17                          | 23,128 10   | 2,732 38            | 4,100 14    | The assessment and the cost of clearance are borne by the mortgagees.  |
|             | 11 to 25 "                          | 6                      | 3,042 0 0               | 27 13 5                 | 257 8             | 2 4 2                                | 69 32                              | 170 0       | 25 26 1             | 77 0        |  |
|             | 26 to 50 "                          | 1                      | 150 0 0                 | 37 8 0                  | 5 0               | 1 4 0                                |                                    |             | 4 0                 | 5 0         |  |
|             | Total                               | 177                    | 69,179 12 0             | 3 9 3                   | 27,704 0          | 1 6 11                               | 16,447 9                           | 23,298 10   | 2,762 24 1          | 4,182 14    |  |
| 1892        | 1 to 10 "                           | 183                    | 92,098 6 0              | 4 5 5                   | 31,175 10         | 1 8 6                                | 11,743 1 1                         | 17,385 7    | 9,270 8             | 11,647 11   | In the case of lands mortgaged with possession, the assessment and the cost of clearance are paid by the mortgagees, while in the case of lands mortgaged without possession they are paid by the mortgagor. |
|             | 11 to 25 "                          | 43                     | 14,054 3 6              | 21 3 8                  | 398 4             | 1 9 1                                | 502 21                             | 879 8       | 55 0                | 96 12       |  |
|             | 26 to 50 "                          | 5                      | 5,356 0 0               | 43 3 0                  | 180 0             | 1 6 11                               | 103 18                             | 130 0       | 22 13               | 50 0        |  |
|             | 51 to 100 "                         | 1                      | 260 0 0                 | 65 0 0                  | 5 0               | 1 4 0                                | 4 0                                | 5 0         |                     |             |  |
| 1893        | Total                               | 232                    | 1,11,788 9 6            | 4 15 9                  | 31,358 14         | 1 8 6                                | 12,442 3 1                         | 18,399 15   | 9,347 21            | 11,704 7    |  |
|             | 1 to 10 "                           | 108                    | 40,215 12 0             | 5 4 11                  | 11,759 3          | 1 8 10                               | 4,500 17                           | 7,171 3     | 2,596 37            | 3,660 8     |  |
|             | 11 to 25 "                          | 10                     | 5,653 2 0               | 14 8 9                  | 603 0             | 1 11 9                               | 211 12                             | 411 0       | 120 15              | 172 0       |  |
|             | 26 to 50 "                          | 3                      | 2,600 12 0              | 24 8 3                  | 168 0             | 1 9 4                                | 26 10                              | 60 0        | 74 33               | 94 0        |  |
| 51 to 100 " | 4                                   | 943 8 0                | 55 8 0                  | 31 0                    | 1 3 9             | 16 39                                | 21 0                               |             |                     |             |  |
| 1894        | Total                               | 125                    | 48,815 2 0              | 6 1 1                   | 12,561 3          | 1 10 0                               | 4,754 38                           | 7,663 3     | 2,792 5             | 3,926 8     |  |
|             | 1 to 10 "                           | 127                    | 30,999 3 0              | 4 6 1                   | 13,159 0          | 1 13 5                               | 5,001 23                           | 8,924 0     | 1,637 4             | 3,202 0     |  |
|             | 11 to 25 "                          | 26                     | 11,382 15 0             | 23 12 11                | 803 0             | 1 10 10                              | 293 26                             | 627 0       | 33 25               | 56 0        |  |
|             | 26 to 50 "                          | 9                      | 6,308 3 0               | 30 11 1                 | 154 0             | 1 4 1                                | 124 22                             | 154 0       |                     |             |  |
| 1895        | 51 to 60 "                          | 2                      | 650 0 0                 | 92 13 9                 | 9 0               | 1 4 7                                | 7 0                                | 9 0         |                     |             |  |
|             | Total                               | 164                    | 49,340 5 0              | 6 5 8                   | 14,125 0          | 1 13 1                               | 5,526 31                           | 9,714 0     | 1,670 29            | 3,320 0     |  |
|             | 1 to 10 "                           | 164                    | 39,192 2 3              | 3 8 8                   | 18,190 8          | 1 10 3                               | 6,488 3                            | 9,805 8     | 4,356 2             | 7,521 0     |  |
|             | 11 to 25 "                          | 26                     | 12,364 0 0              | 20 0 6                  | 910 0             | 1 5 7                                | 496 37                             | 651 0       | 88 12               | 183 0       |  |
| 1896        | 26 to 50 "                          | 3                      | 809 4 8                 | 32 3 3                  | 23 0              | 1 12 11                              | 15 14                              | 28 0        |                     |             |  |
|             | Total                               | 193                    | 52,312 6 11             | 4 7 6                   | 19,128 8          | 1 10 2                               | 7,000 24                           | 10,484 8    | 4,444 14            | 7,774 0     |  |
|             | 1 to 10 "                           | 89                     | 32,810 6 0              | 3 10 4                  | 16,252 5          | 1 13 5                               | 6,774 9 1                          | 12,410 6    | 2,201 5 1           | 3,788 11    |  |
|             | 11 to 25 "                          | 36                     | 14,437 15 0             | 24 15 9                 | 1,057 9           | 1 13 8                               | 306 28 1                           | 547 7       | 202 10 1            | 342 0       |  |
| 1897        | 26 to 50 "                          | 4                      | 4,023 0 0               | 34 2 11                 | 102 10            | 1 6 1                                | 9 0                                | 14          |                     |             |  |
|             | 51 to 100 "                         | 1                      | 200 0 0                 | 213 5 5                 | 3 0               | 8 3 2                                |                                    |             | 0 37 1              | 3 0         |  |
|             | Total                               | 130                    | 51,471 5 0              | 5 5 3                   | 17,415 8          | 1 12 10                              | 7,069 38                           | 12,971 13   | 2,407 13 1          | 4,193 11    |  |
|             | GRAND TOTAL                         | 1,021                  | 78,948 18               | 3,82,887 8 5            | 4 13 7            | 1,25,293 1                           | 1 9 5                              | 53,262 15 1 | 8,532 1             | 23,424 27   |  |

NOTE.—Details of mortgage for the years prior to 1891 are not available in the Mukhtiyar's office.

L. W. SHYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.

## APPENDIX X.

*Statement of Agricultural Stock in the Johi Taluka.*

| Year.       | Bullocks. | Cows.  | Buffaloes. | Camels. | Horses and Ponies. | Donkeys. | Mules. | Sheep and Goats. | Total. |
|-------------|-----------|--------|------------|---------|--------------------|----------|--------|------------------|--------|
| 1           | 2         | 3      | 4          | 5       | 6                  | 7        | 8      | 9                | 10     |
| 1892-93 ... | 12,072    | 9,848  | 424        | 2,879   | 1,110              | 1,408    | ...    | 11,861           | 39,602 |
| 1893-94 ... | 11,683    | 7,525  | 642        | 2,981   | 1,235              | 1,737    | ...    | 29,868           | 55,671 |
| 1894-95 ... | 5,399     | 10,927 | 1,141      | 3,671   | 1,088              | 1,845    | 10     | 28,387           | 52,468 |
| 1895-96 ... | 14,486    | 10,683 | 682        | 4,082   | 1,250              | 1,986    | 12     | 38,053           | 71,234 |
| 1896-97 ... | 13,913    | 10,743 | 540        | 3,540   | 1,177              | 1,618    | 14     | 21,590           | 53,135 |

*Note.*—(1) Figures for the years 1893-94 to 1896-97 include agricultural stock in the 16 dehs of the Kakar Taluka transferred from 1893-94.

(2) The details of agricultural stock for the years prior to 1892-93 have not been given in this statement, as Village Form No. XIII for recording an accurate census of agricultural stock was introduced in Sind in 1892-93.

## APPENDIX XI.

*Statement showing Wells in the Johi Taluka from 1887-88 to 1896-97.*

| Year.       | No. of villages containing Wells. | No. of Wells used for drinking. | NO. OF WELLS USED FOR IRRIGATION. |                   | Total. | Area of cultivation under Wells. | REMARKS.   |
|-------------|-----------------------------------|---------------------------------|-----------------------------------|-------------------|--------|----------------------------------|--|
|             |                                   |                                 | Used for cultivation.             | Remained disused. |        |                                  |  |
|             |                                   |                                 |                                   |                   |        | A. g.                            |  |
| 1887-88 ... | ...                               | 1                               | 8                                 | ...               | 9      | 23 20                            | (1) The number of villages for the years 1887-88 to 1891-92 and the number of wells and their details during the year 1889-90 are not traceable in the records of the Taluka office.   |
| 1888-89 ... | ...                               | 5                               | 9                                 | ...               | 14     | 17 20                            |  |
| 1889-90 ... | ...                               | ...                             | ...                               | ...               | ...    | 13 30                            | (2) The large increase in the number of wells in the year 1893-94 is due to—<br>(a) Inclusion of 14 wells omitted from previous years' returns.<br>(b) Inclusion of 15 wells in the 16 Kakar Taluka dehs transferred in 1893-94. |
| 1890-91 ... | ...                               | 8                               | 7                                 | ...               | 15     | 3 5                              |  |
| 1891-92 ... | ...                               | 11                              | 5                                 | ...               | 16     | 25 18                            | (c) Excavation of 2 new wells.<br>(3) The decrease in the number of villages in the year 1896-97 is due to omission of one village erroneously entered in 1895-96.   |
| 1892-93 ... | 11                                | 14                              | 2                                 | ...               | 16     | 5 8                              |  |
| 1893-94 ... | 18                                | 43                              | 4                                 | ...               | 47     | 21 15                            | (4) There is very little cultivation under wells.  |
| 1894-95 ... | 18                                | 46                              | 2                                 | ...               | 48     | 3 1                              |  |
| 1895-96 ... | 19                                | 44                              | 5                                 | ...               | 49     | 17 33                            |  |
| 1896-97 ... | 18                                | 46                              | 2                                 | 2                 | 50     | 10 2                             |  |

*Note.*—Figures in italics represent dubari cultivation.

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.

## APPENDIX XII.

*Statement of Crops in the Johi Taluka (average of four years) 1893-94 to 1896-97.*

| Crops.           | Yearly cultivated Area in |          |          |          | Total.  | Average. | Percentage. |
|------------------|---------------------------|----------|----------|----------|---------|----------|-------------|
|                  | 1893-94.                  | 1894-95. | 1895-96. | 1896-97. |         |          |             |
| <i>Khurif.</i>   | Acres.                    | Acres.   | Acres.   | Acres.   | Acres.  | Acres.   |             |
| Juar ...         | 26,262                    | 47,934   | 31,535   | 40,115   | 145,846 | 36,461   | 48.64       |
| Bajhri ...       | 159                       | 181      | 612      | 909      | 1,861   | 465      | .62         |
| Rice in husk ... | 9,649                     | 13,750   | 13,365   | 13,468   | 50,232  | 12,558   | 16.75       |
| Tir ...          | 2,122                     | 10,074   | 4,502    | 7,217    | 23,915  | 5,979    | 7.98        |
| Cotton ...       | 506                       | 2,241    | 466      | 327      | 3,540   | 885      | 1.18        |
| Mung ...         | 26                        | 157      | 475      | 238      | 896     | 224      | .30         |
| Gardens ...      | 20                        | 41       | 52       | 41       | 154     | 39       | .05         |
| Tobacco ...      | 116                       | ..       | ...      | ...      | 116     | 29       | .04         |
| Other crops ...  | 138                       | 16       | 144      | 54       | 352     | 88       | .12         |
| Total ...        | 38,998                    | 74,394   | 51,151   | 62,369   | 226,912 | 56,728   | 75.68       |
| <i>Rabi.</i>     |                           |          |          |          |         |          |             |
| Wheat ...        | 6,359                     | 6,342    | 5,603    | 3,822    | 22,126  | 5,531    | 7.38        |
| Barley ...       | 161                       | 192      | 148      | 87       | 588     | 147      | .20         |
| Gram ...         | 12                        | 27       | 93       | 9        | 141     | 35       | .05         |
| Matar ...        | 14                        | 15       | 18       | 3        | 50      | 13       | .02         |
| Sauha ...        | 1,229                     | 2,437    | 1,357    | 1,264    | 6,287   | 1,572    | 2.10        |
| Jambho ...       | 2,316                     | 5,619    | 2,320    | 4,358    | 14,613  | 3,653    | 4.87        |
| Alur ...         | 7,181                     | 11,507   | 2,389    | 7,502    | 28,579  | 7,145    | 9.53        |
| Gardens ...      | 9                         | 5        | 16       | 8        | 38      | 10       | .01         |
| Tobacco ...      | ...                       | 92       | 54       | 80       | 226     | 56       | .07         |
| Other crops ...  | 30                        | 48       | 81       | 99       | 258     | 65       | .09         |
| Total ...        | 17,311                    | 26,284   | 12,079   | 17,232   | 72,906  | 18,227   | 24.32       |
| GRAND TOTAL ...  | 56,309                    | 100,678  | 63,230   | 79,601   | 299,818 | 74,955   | 100         |

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.

Gul Hayat Institute



## APPENDIX XIII-A.

Statement showing arable Government land in the surveyed villages of the Johi Taluka for the first, middle and last year for the Settlement current in them up to 1892-93.\*

| No.                 | Names of Villages. | Year.      | Total Area.   | Uncultivable Waste. | Cultivable Land. | Unoccupied. | OCCUPIED.   |           | Percentage of un-occupied cultivable land to cultivable area. |
|---------------------|--------------------|------------|---|---------------------|------------------|-------------|-------------|-----------|---|
|                     |                    |            |   |                     |                  |             | Cultivable. | Fallow.   |   |
| Group II.           |                    |            |   |                     |                  |             |             |           |   |
|                     |                    |            | A. g.   | A. g.               | A. g.            | A. g.       | A. g.       | A. g.     | A. g.   |
|                     |                    |            | Dehs under revision settlement from 1878-79 subsequently transferred from Dadu Taluka in 1884-85. |                     |                  |             |             |           |   |
| 1                   | Kar Jamik.         | 1st year   | 1878-79 ...   | 6,247 0             | 3,472 32         | 2,774 8     | 2,727 3     | 47 5      | 97 35   |
|                     |                    | 9th "      | 1886-87 ...   | 6,247 0             | 569 35           | 5,677 5     | 5,553 30    | 123 15    | 99 1  |
|                     |                    | Last "     | 1892-93 ...   | 6,310 5             | 631 16           | 5,678 29    | 5,624 2     | 54 27     | 99 1  |
|                     |                    | Total...   | 18,804 5  | 4,674 3             | 14,130 2         | 11,177 32   | 2,761 30    | 170 20    | ...   |
|                     |                    | Average... | 6,268 2   | 1,558 1             | 4,710 1          | 3,725 37    | 927 10      | 56 34     | 79 6  |
| 2                   | Jampur Pahwarki.   | 1st year   | 1878-79 ...   | 4,928 30            | 2,560 2          | 2,368 28    | 7 15        | 2,018 18  | 342 35  |
|                     |                    | 9th "      | 1886-87 ...   | 4,928 30            | 71 35            | 4,856 35    | 4,376 25    | 480 10    | 90 4  |
|                     |                    | Last "     | 1892-93 ...   | 4,985 14            | 127 26           | 4,857 28    | 4,307 18    | 515 15    | 90 35   |
|                     |                    | Total...   | 14,842 34   | 2,750 23            | 12,093 11        | 8,691 18    | 2,537 33    | 854 0     | ...   |
|                     |                    | Average... | 4,947 25  | 919 34              | 4,027 30         | 2,837 6     | 845 38      | 284 17    | 72 18   |
| 3                   | Vageji.            | 1st year   | 1878-79 ...   | 1,522 30            | 124 0            | 1,398 30    | 10 35       | 1,387 35  | 0 31  |
|                     |                    | 9th "      | 1886-87 ...   | 1,522 30            | 9 25             | 1,513 5     | 850 5       | 714 25    | 448 15  |
|                     |                    | Last "     | 1892-93 ...   | 1,917 22            | 172 23           | 1,744 39    | 111 9       | 1,663 30  | ...   |
|                     |                    | Total...   | 4,955 2   | 306 8               | 4,648 34         | 472 9       | 2,978 15    | 1,836 10  | ...   |
|                     |                    | Average... | 1,651 14  | 102 3               | 1,562 11         | 157 16      | 792 32      | 612 3     | 10 10   |
| 4                   | Johi.              | 1st year   | 1878-79 ...   | 7,588 15            | 1,196 20         | 6,392 35    | 17 10       | 4,340 0   | 2,032 25  |
|                     |                    | 9th "      | 1886-87 ...   | 5,007 3             | 149 10           | 4,857 23    | 1,923 6     | 837 22    | 2,157 5   |
|                     |                    | Last "     | 1892-93 ...   | 5,778 9             | 221 33           | 5,556 16    | 2,448 26    | 2,623 10  | 484 20  |
|                     |                    | Total...   | 18,433 27   | 1,569 23            | 16,864 4         | 4,389 2     | 7,800 32    | 4,674 10  | ...   |
|                     |                    | Average... | 6,144 22  | 523 7               | 5,621 15         | 1,463 1     | 2,600 11    | 1,558 3   | 26 1  |
| 5                   | Dura Ma-chhi.      | 1st year   | 1878-79 ...   | 4,921 0             | 1,231 9          | 3,689 31    | 103 35      | 2,259 21  | 1,326 15  |
|                     |                    | 9th "      | 1886-87 ...   | 4,921 0             | 18 5             | 4,902 35    | 2,236 20    | 1,312 15  | 1,454 0   |
|                     |                    | Last "     | 1892-93 ...   | 5,111 17            | 203 32           | 4,907 25    | 2,977 20    | 1,537 20  | 392 25  |
|                     |                    | Total...   | 14,953 17   | 1,453 6             | 13,500 11        | 5,317 35    | 5,009 16    | 3,173 0   | ...   |
|                     |                    | Average... | 4,984 19  | 484 15              | 4,500 4          | 1,772 25    | 1,669 32    | 1,057 27  | 39 15   |
| 6                   | Gaba.              | 1st year   | 1878-79 ...   | 1,572 0             | 647 21           | 924 19      | 14 15       | 196 4     | 714 0   |
|                     |                    | 9th "      | 1886-87 ...   | 1,572 0             | 623 10           | 948 30      | 256 10      | 641 35    | 50 25   |
|                     |                    | Last "     | 1892-93 ...   | 1,687 39            | 633 34           | 1,054 5     | 119 15      | 830 25    | 104 5   |
|                     |                    | Total...   | 4,831 39  | 1,904 25            | 2,927 14         | 390 0       | 1,668 24    | 868 30    | ...   |
|                     |                    | Average... | 1,610 26  | 634 35              | 975 31           | 130 0       | 556 8       | 289 23    | 13 13   |
| 7                   | Abad.              | 1st year   | 1878-79 ...   | 2,434 5             | 34 20            | 2,379 25    | ...         | 613 10    | 1,766 15  |
|                     |                    | 9th "      | 1886-87 ...   | 2,459 20            | 27 35            | 2,431 25    | 48 20       | 2,222 15  | 160 30  |
|                     |                    | Last "     | 1892-93 ...   | 2,560 30            | 148 25           | 2,412 5     | 19 15       | 2,341 30  | 51 0  |
|                     |                    | Total...   | 7,454 15  | 231 0               | 7,223 15         | 67 35       | 5,177 15    | 1,978 5   | ...   |
|                     |                    | Average... | 2,484 32  | 77 0                | 2,407 32         | 22 25       | 1,725 32    | 659 15    | 0 36  |
| 8                   | Chana.             | 1st year   | 1878-79 ...   | 2,551 35            | 599 10           | 1,952 25    | 67 15       | 281 35    | 1,603 15  |
|                     |                    | 9th "      | 1886-87 ...   | 2,557 22            | 271 15           | 2,286 7     | 85 13       | 2,006 15  | 134 19  |
|                     |                    | Last "     | 1892-93 ...   | 2,737 7             | 354 11           | 2,382 36    | 38 0        | 2,011 12  | 339 24  |
|                     |                    | Total...   | 7,846 24  | 1,224 36            | 6,621 28         | 184 28      | 4,359 22    | 2,077 18  | ...   |
|                     |                    | Average... | 2,615 21  | 408 12              | 2,207 9          | 61 23       | 1,453 7     | 692 19    | 2 32  |
| 9                   | Kharichh.          | 1st year   | 1878-79 ...   | 5,454 25            | 926 17           | 4,528 8     | 38 15       | 1,261 8   | 3,228 25  |
|                     |                    | 9th "      | 1886-87 ...   | 5,451 20            | 9 25             | 5,441 35    | 2,172 0     | 2,824 9   | 445 26  |
|                     |                    | Last "     | 1892-93 ...   | 5,613 22            | 1,815 32         | 3,797 30    | 186 36      | 3,118 18  | 992 16  |
|                     |                    | Total...   | 16,519 27   | 2,751 34            | 13,767 33        | 2,397 11    | 7,203 35    | 4,166 27  | ...   |
|                     |                    | Average... | 5,506 22  | 917 11              | 4,589 11         | 799 3       | 2,401 12    | 1,388 36  | 17 17   |
| 10                  | Per Dhuari.        | 1st year   | 1878-79 ...   | 3,690 5             | 2,068 17         | 1,621 28    | ...         | 915 33    | 705 35  |
|                     |                    | 9th "      | 1886-87 ...   | 3,690 5             | 0 5              | 3,690 0     | 2,774 10    | 766 5     | 149 25  |
|                     |                    | Last "     | 1892-93 ...   | 3,753 5             | 46 8             | 3,706 37    | 2,780 17    | 585 10    | 341 10  |
|                     |                    | Total...   | 11,133 15   | 2,114 30            | 9,018 25         | 5,554 27    | 2,267 8     | 1,196 30  | ...   |
|                     |                    | Average... | 3,711 5   | 704 37              | 3,006 8          | 1,851 22    | 755 29      | 398 37    | 61 24   |
| Total of 2nd Group. |                    | 1st year   | 1878-79 ...   | 40,910 25           | 12,882 28        | 28,027 37   | 259 20      | 14,613 12 | 13,155 5  |
|                     |                    | 9th "      | 1886-87 ...   | 38,417 10           | 1,751 0          | 36,666 10   | 19,776 19   | 11,285 21 | 5,604 10  |
|                     |                    | Last "     | 1892-93 ...   | 40,485 10           | 4,356 0          | 36,129 10   | 18,606 38   | 15,285 37 | 2,236 15  |
|                     |                    | Total...   | 119,813 5   | 18,989 28           | 100,823 17       | 38,642 37   | 41,184 30   | 20,995 30 | ...   |
|                     |                    | Average... | 39,937 28   | 6,329 36            | 33,607 32        | 12,880 39   | 13,728 10   | 6,998 23  | 28 13   |

\* A separate statement for the period 1893-94 to 1896-97 has been prepared on account of changes in deh boundaries made by revision survey.

## APPENDIX XIII-A—continued.

| Names of Villages.   | Year.    | Total Area. | Unocultivable Waste. | Cultivable Land. | Unoccupied. | Occupied.   |           | Percentage of unoccupied cultivable land to cultivable area. |
|--|----------|-------------|----------------------|------------------|-------------|-------------|-----------|--|
|  |          |             |                      |                  |             | Cultivable. | Fallow.   |  |
| Group III.   |          |             |                      |                  |             |             |           |  |
| Phulji   | 1st year | 1878-79 ... | 4,767 2              | 108 15           | 4,658 27    | 5 0         | 4,577 22  | 76 5   |
|  | 9th "    | 1886-87 ... | 5,177 35             | 108 15           | 4,170 20    | 363 0       | 45 5      | 21 15  |
|  | Last "   | 1892-93 ... | 1,177 27             | 164 28           | 1,012 39    | 507 8       | 469 11    | 36 20  |
|  | Total    |             | 6,122 24             | 381 18           | 5,741 6     | 875 8       | 5,091 38  | 134 0  |
|  | Average  |             | 2,160 25             | 127 6            | 2,033 29    | 291 19      | 1,697 13  | 41 27  |
| Shah Merio   | 1st year | 1878-79 ... | 1,905 3              | 920 33           | 984 10      | 28 20       | 127 20    | 828 10   |
|  | 9th "    | 1886-87 ... | 1,968 23             | 653 30           | 1,214 33    | 439 3       | 418 10    | 337 20   |
|  | Last "   | 1892-93 ... | 2,008 9              | 707 28           | 1,270 21    | 245 8       | 649 38    | 175 15   |
|  | Total    |             | 5,821 35             | 2,342 11         | 3,479 24    | 712 31      | 1,125 28  | 1,341 5  |
|  | Average  |             | 1,940 25             | 780 30           | 1,159 35    | 237 24      | 415 9     | 447 2  |
| Mothiri  | 1st year | 1878-79 ... | 5,396 35             | 2,90 7           | 3,206 28    | ...         | 3,094 28  | 112 0  |
|  | 9th "    | 1886-87 ... | 5,396 35             | 1,333 0          | 1,063 35    | 3,230 15    | 4 35      | 728 25   |
|  | Last "   | 1892-93 ... | 5,209 5              | 1,313 2          | 1,086 3     | 3,725 10    | 183 8     | 177 25   |
|  | Total    |             | 16,102 35            | 4,836 9          | 11,266 26   | 7,055 25    | 3,282 31  | 1,038 10   |
|  | Average  |             | 5,367 25             | 1,612 3          | 3,755 22    | 2,351 35    | 1,091 10  | 339 17   |
| Khat   | 1st year | 1878-79 ... | 2,986 20             | 432 36           | 2,553 24    | 30 0        | 1,033 4   | 590 20   |
|  | 9th "    | 1886-87 ... | 2,986 20             | 104 14           | 2,882 6     | 1,921 5     | 231 21    | 726 20   |
|  | Last "   | 1892-93 ... | 3,143 9              | 265 39           | 2,877 10    | 2,137 15    | 551 30    | 187 25   |
|  | Total    |             | 9,116 9              | 803 9            | 8,313 0     | 4,092 0     | 2,716 15  | 1,504 25   |
|  | Average  |             | 3,038 30             | 267 30           | 2,771 0     | 1,364 0     | 905 18    | 701 22   |
| Bahawalpur*  | 1st year | 1878-79 ... | ...                  | ...              | ...         | ...         | ...       | ...  |
|  | 9th "    | 1886-87 ... | ...                  | ...              | ...         | ...         | ...       | ...  |
|  | Last "   | 1892-93 ... | 2,986 39             | 121 34           | 2,865 5     | 947 7       | 1,844 33  | 113 5  |
|  | Total    |             | 2,986 39             | 121 34           | 2,865 5     | 947 7       | 1,844 33  | 113 5  |
|  | Average  |             | 995 26               | 40 25            | 955 1       | 315 29      | 601 24    | 37 28  |
| Total of 3rd Group.  | 1st year | 1878-79 ... | 15,655 20            | 3,652 11         | 11,403 9    | 13 10       | 9,369 31  | 1,606 35   |
|  | 9th "    | 1886-87 ... | 10,829 33            | 2,229 19         | 8,600 14    | 6,053 13    | 1,29 31   | 1,814 0  |
|  | Last "   | 1892-93 ... | 14,715 9             | 2,603 11         | 12,111 38   | 7,362 28    | 2,659 0   | 630 10   |
|  | Total    |             | 40,600 22            | 8,485 1          | 32,115 21   | 13,582 31   | 11,321 25 | 4,111 5  |
|  | Average  |             | 13,533 21            | 2,828 11         | 10,705 7    | 4,526 27    | 4,773 35  | 1,3 15   |
| Total of 2nd and 3rd Groups.   | 1st year | 1878-79 ... | 55,966 5             | 16,534 39        | 39,431 6    | 223 0       | 21,016 6  | 14,7 0   |
|  | 9th "    | 1886-87 ... | 49,247 3             | 3,980 19         | 45,266 21   | 25,22 1     | 12,015 12 | 7,413 10   |
|  | Last "   | 1892-93 ... | 55,200 19            | 6,950 11         | 48,241 8    | 26,139 28   | 10,144 37 | 2,926 25   |
|  | Total    |             | 160,413 27           | 27,474 29        | 132,939 38  | 52,225 28   | 33,596 15 | 25,106 35  |
|  | Average  |             | 53,471 9             | 9,158 10         | 44,312 39   | 17,441 39   | 18,702 5  | 8,368 38   |
| Dehs under revision settlement (from 1877-78) and subsequently transferred from Sehwan Taluka in 1884-85 |          |             |                      |                  |             |             |           |  |
| Group II.  |          |             |                      |                  |             |             |           |  |
| Sakhro   | 1st year | 1877-78 ... | 4,540 20             | 7 0              | 4,533 20    | 1,003 25    | 1,870 10  | 1,659 25   |
|  | 9th "    | 1885-86 ... | 4,546 27             | 6 35             | 4,539 32    | 315 25      | 3,688 35  | 505 12   |
|  | Last "   | 1892-93 ... | 4,759 16             | 219 34           | 4,539 3     | 0 1         | 1,300 22  | 3,239 5  |
|  | Total    |             | 13,846 23            | 233 19           | 13,613 4    | 1,349 15    | 6,859 27  | 5,404 2  |
|  | Average  |             | 4,615 21             | 77 33            | 4,537 28    | 449 32      | 2,286 22  | 1,801 14   |
| Gnhi Charo.  | 1st year | 1877-78 ... | 3,094 10             | 0 5              | 3,093 5     | ...         | 2,241 20  | 851 25   |
|  | 9th "    | 1885-86 ... | 3,633 30             | 0 5              | 3,633 25    | 6 10        | 3,166 30  | 460 25   |
|  | Last "   | 1892-93 ... | 3,735 35             | 82 10            | 3,653 25    | 3 25        | 898 10    | 2,751 30   |
|  | Total    |             | 10,462 35            | 82 20            | 10,400 15   | 9 35        | 6,306 20  | 4,084 0  |
|  | Average  |             | 3,487 12             | 27 20            | 3,466 32    | 3 12        | 2,102 7   | 1,361 13   |
| Adhabad (aruni.)   | 1st year | 1877-78 ... | 1,484 25             | 0 10             | 1,484 15    | ...         | 1,126 0   | 358 15   |
|  | 9th "    | 1885-86 ... | 1,484 25             | 0 10             | 1,484 15    | ...         | 1,447 5   | 37 10  |
|  | Last "   | 1892-93 ... | 1,502 2              | 18 7             | 1,483 35    | ...         | 423 15    | 1,060 20   |
|  | Total    |             | 4,471 12             | 18 27            | 4,452 25    | ...         | 2,996 20  | 1,456 5  |
|  | Average  |             | 1,490 17             | 6 9              | 1,484 8     | ...         | 998 33    | 485 15   |
| Total  | 1st year | 1877-78 ... | 9,118 15             | 7 15             | 9,111 0     | 1,003 25    | 5,237 30  | 2,869 25   |
|  | 9th "    | 1885-86 ... | 9,085 2              | 7 10             | 9,077 32    | 351 35      | 8,202 30  | 1,023 7  |
|  | Last "   | 1892-93 ... | 9,997 13             | 320 1            | 9,677 12    | 3 30        | 2,622 7   | 7,051 15   |
|  | Total    |             | 28,800 30            | 334 26           | 28,466 4    | 1,350 10    | 16,102 27 | 10,944 7   |
|  | Average  |             | 9,600 10             | 111 23           | 9,488 28    | 453 3       | 5,387 22  | 3,648 3  |
| 4 31   |          |             |                      |                  |             |             |           |  |

\* This deh was formerly a jagir village and became rayati in 1892-93.

## APPENDIX XIII-A—continued.

| No.   | Names of Villages. | Year.  | Total Area. | Uncultivable Waste. | Cultivable Land. | Unoccupied. | Occupied.   |           | Percentage of unoccupied cultivable land to cultivable area. |
|-------|--------------------|--|-------------|---------------------|------------------|-------------|-------------|-----------|--|
|       |                    |  |             |                     |                  |             | Cultivable. | Fallow.   |  |
|       |                    |  | A. g.       | A. g.               | A. g.            | A. g.       | A. g.       | A. g.     | A. g.  |
|       |                    | <i>Dehs under temporary settlement (from 1834-85) transferred from Solwan Taluka in 1854-85.</i> |             |                     |                  |             |             |           |  |
| 1     | Khan Wah.          | 1st year 1884-85   | 2,408 13    | 0 13                | 2,408 0          | 1,420 19    | 521 6       | 406 15    | 59 0   |
|       |                    | 5th " 1888-89  | 2,441 29    | 7 9                 | 2,433 20         | ...         | 569 0       | 2,170 20  | ...  |
|       |                    | Last " 1892-93   | 2,465 35    | 6 56                | 2,458 79         | ...         | 1,607 35    | 551 5     | ...  |
|       |                    | Total  | 7,320 8     | 14 18               | 7,306 20         | 1,420 19    | 2,698 1     | 2,188 0   | ...  |
|       |                    | Average  | 2,440 3     | 4 52                | 2,435 20         | 473 20      | 899 14      | 1,062 26  | 19 8   |
| 2     | Lohri              | 1st year 1884-85   | 2,305 10    | 1 35                | 2,303 15         | 145 10      | 1,955 15    | 143 30    | 6 10   |
|       |                    | 5th " 1888-89  | 2,375 10    | 1 35                | 2,373 15         | 144 10      | ...         | 2,175 5   | 6 10   |
|       |                    | Last " 1892-93   | 2,302 14    | 0 34                | 2,301 20         | ...         | 1,399 35    | 801 25    | ...  |
|       |                    | Total  | 6,982 34    | 4 24                | 6,988 16         | 288 20      | 3,455 10    | 3,184 20  | ...  |
|       |                    | Average  | 2,327 11    | 1 41                | 2,329 39         | 96 7        | 1,151 3     | 1,061 20  | 4 7  |
| 3     | Makhan Bello.      | 1st year 1884-85   | 2,179 5     | ...                 | 2,179 5          | ...         | 1,429 10    | 742 25    | ...  |
|       |                    | 5th " 1888-89  | 2,175 37    | 1 32                | 2,173 5          | ...         | 879 25      | 1,293 20  | ...  |
|       |                    | Last " 1892-93   | 2,174 37    | 1 32                | 2,173 5          | ...         | ...         | 2,153 5   | ...  |
|       |                    | Total  | 6,528 30    | 3 24                | 6,519 15         | ...         | 2,309 35    | 4,209 20  | ...  |
|       |                    | Average  | 2,176 10    | 1 8                 | 2,173 5          | ...         | 769 38      | 1,433 7   | ...  |
| 4     | Sbah Hasan         | 1st year 1884-85   | 2,212 31    | 101 20              | 2,111 11         | ...         | 1,619 20    | 594 15    | ...  |
|       |                    | 5th " 1888-89  | 2,406 1     | 192 26              | 2,213 15         | ...         | 841 25      | 1,571 30  | ...  |
|       |                    | Last " 1892-93   | 2,404 31    | 170 34              | 2,233 37         | ...         | 288 38      | 1,917 35  | ...  |
|       |                    | Total  | 7,153 23    | 463 40              | 6,689 13         | ...         | 2,774 9     | 2,854 0   | ...  |
|       |                    | Average  | 2,384 21    | 154 3               | 2,229 18         | ...         | 924 30      | 1,294 27  | ...  |
| 5     | Dabhri             | 1st year 1884-85   | 1,910 12    | 1,200 37            | 709 15           | ...         | 565 20      | 347 35    | ...  |
|       |                    | 5th " 1888-89  | 1,957 12    | 1,234 0             | 723 12           | ...         | 412 32      | 310 20    | ...  |
|       |                    | Last " 1892-93   | 1,956 53    | 1,084 16            | 872 17           | ...         | 268 37      | 414 20    | ...  |
|       |                    | Total  | 5,824 17    | 3,525 13            | 2,299 4          | ...         | 1,267 7     | 862 35    | ...  |
|       |                    | Average  | 1,941 19    | 1,175 4             | 766 15           | ...         | 422 16      | 287 25    | ...  |
| 6     | Wahi Pir Gaji.     | 1st year 1884-85   | 1,196 20    | 149 34              | 1,047 5          | 318 38      | 681 7       | 41 0      | 30 18  |
|       |                    | 5th " 1888-89  | 1,273 11    | 226 6               | 1,047 5          | 318 28      | 478 32      | 245 15    | 30 17  |
|       |                    | Last " 1892-93   | 1,272 31    | 225 26              | 1,047 5          | 318 20      | 563 35      | 164 20    | 30 16  |
|       |                    | Total  | 3,741 1     | 601 26              | 3,141 15         | 956 6       | 1,726 34    | 458 15    | ...  |
|       |                    | Average  | 1,247 27    | 200 22              | 1,047 5          | 318 29      | 575 25      | 152 31    | 30 17  |
| Total |                    | 1st year 1884-85   | 12,335 20   | 1,493 29            | 10,842 1         | 1,883 27    | 6,840 4     | 2,119 10  | 17 15  |
|       |                    | 5th " 1888-89  | 12,763 20   | 1,673 28            | 10,990 32        | 469 38      | 2,881 34    | 7,555 0   | 4 10   |
|       |                    | Last " 1892-93   | 12,577 22   | 1,430 18            | 11,087 4         | 318 20      | 4,469 18    | 6,083 0   | 2 35   |
|       |                    | Total  | 37,477 32   | 4,647 35            | 32,829 37        | 2,665 5     | 14,211 16   | 15,757 10 | ...  |
|       |                    | Average  | 12,492 24   | 1,549 12            | 10,943 12        | 888 15      | 4,737 5     | 5,252 17  | 8 5  |

\* Includes 27 A. 4 g. of hilly tracts and bed of Manchar Lake entered in Form XVII.

† Includes 169 A. 2 g. of hilly tracts and bed of Manchar Lake entered in Form XVII.

L. W. SEYMOUR,

Superintendent,  
Land Records and Agriculture in Sind.

Gul Hayat Institute

## APPENDIX XIII-B.

Statement showing arable Government land in the surveyed villages of the  
Johi Taluka for the period 1893-94 to 1896-97.

| No. on Appendix III-A | Names of Villages. | Total Area. | Uncultivable Waste. | Cultivable Land. | Unoccupied. | OCCUPIED.   |          | Percentage of un-occupied cultivable land to cultivable area. |       |
|-----------------------|--------------------|-------------|---------------------|------------------|-------------|-------------|----------|---|-------|
|                       |                    |             |                     |                  |             | Cultivable. | Fallow.  |   |       |
|                       |                    | A. g.       | A. g.               | A. g.            | A. g.       | A. g.       | A. g.    | A. g.   |       |
| 1                     | Saklro             | (1893-94)   | 4,759 16            | 219 23           | 4,539 30    | 0 5         | 3,281 35 | 1,257 30  | ...   |
|                       |                    | (1894-95)   | 4,751 3             | 275 21           | 4,475 22    | ...         | 3,771 1  | 704 21  | ...   |
|                       |                    | (1895-96)   | 4,751 3             | 278 33           | 4,472 7     | ...         | 3,291 8  | 1,180 39  | ...   |
|                       |                    | (1896-97)   | 4,711 3             | 255 13           | 4,455 27    | ...         | 3,605 23 | 80 4  | ...   |
|                       | Total...           | 19,012 23   | 1,049 19            | 17,963 6         | 0 5         | 13,949 27   | 4,013 14 | ...   |       |
|                       | Average...         | 4,753 6     | 262 11              | 4,490 32         | 0 1         | 3,487 17    | 1,003 14 | ...   |       |
| 2                     | Gahicharo          | (1893-94)   | 3,760 26            | 82 19            | 3,677 10    | 6 10        | 1,591 35 | 2,077 5   | 0 7   |
|                       |                    | (1894-95)   | 3,760 23            | 120 9            | 3,639 14    | 6 10        | 1,811 12 | 1,828 32  | 0 7   |
|                       |                    | (1895-96)   | 3,760 23            | 120 9            | 3,639 14    | 6 10        | 2,381 35 | 1,253 9   | 0 3   |
|                       |                    | (1896-97)   | 3,700 23            | 120 9            | 3,579 14    | 6 10        | 2,591 17 | 1,008 27  | 0 7   |
|                       | Total...           | 15,041 9    | 422 37              | 14,598 12        | 25 0        | 8,383 19    | 6,106 31 | ...   |       |
|                       | Average...         | 3,760 12    | 116 23              | 3,649 23         | 6 10        | 2,096 25    | 1,516 28 | 0 6   |       |
| 3                     | Arani              | (1893-94)   | 1,502 2             | 18 7             | 1,483 35    | ...         | 641 0    | 841 35  | ...   |
|                       |                    | (1894-95)   | 1,503 3             | 26 6             | 1,476 37    | ...         | 641 13   | 825 24  | ...   |
|                       |                    | (1895-96)   | 1,503 3             | 36 6             | 1,466 37    | ...         | 1,110 10 | 345 17  | ...   |
|                       |                    | (1896-97)   | 1,503 3             | 36 6             | 1,466 37    | ...         | 1,353 3  | 113 34  | ...   |
|                       | Total...           | 6,011 11    | 116 25              | 5,884 26         | ...         | 3,756 36    | 2,127 30 | ...   |       |
|                       | Average...         | 1,502 23    | 31 26               | 1,471 7          | ...         | 939 9       | 161 35   | ...   |       |
| 4                     | Machhko            | (1893-94)   | 4,550 35            | 2,042 25         | 2,508 10    | 919 33      | 1,149 17 | 409 0   | 37 34 |
|                       |                    | (1894-95)   | 4,550 35            | 2,041 25         | 2,509 10    | 594 12      | 1,529 38 | 385 0   | 23 27 |
|                       |                    | (1895-96)   | 4,550 35            | 2,047 37         | 2,502 38    | 1,119 8     | 1,573 39 | 1,195 36  | 45 86 |
|                       |                    | (1896-97)   | 4,550 35            | 2,041 25         | 2,509 10    | 716 16      | 1,643 19 | 89 15   | 30 38 |
|                       | Total...           | 18,203 20   | 8,173 32            | 10,029 18        | 3,469 24    | 4,480 33    | 2,079 11 | ...   |       |
|                       | Average...         | 4,550 35    | 2,043 18            | 2,507 17         | 867 16      | 1,129 8     | 519 33   | 34 24   |       |
| 5                     | Lohri              | (1893-94)   | 2,302 27            | 0 34             | 2,301 33    | ...         | 1,287 3  | 914 30  | ...   |
|                       |                    | (1894-95)   | 2,310 39            | 10 11            | 2,300 25    | ...         | 1,151 15 | 1,149 19  | ...   |
|                       |                    | (1895-96)   | 2,310 39            | 10 11            | 2,300 25    | ...         | 65 35    | 2,234 30  | ...   |
|                       |                    | (1896-97)   | 2,310 39            | 10 11            | 2,300 25    | ...         | 2,045 5  | 255 29  | ...   |
|                       | Total...           | 9,235 24    | 31 36               | 9,203 28         | ...         | 4,629 18    | 4,574 10 | ...   |       |
|                       | Average...         | 2,308 36    | 7 39                | 2,300 37         | ...         | 1,162 14    | 1,138 23 | ...   |       |
| 6                     | Khan Wah           | (1893-94)   | 2,465 36            | 6 36             | 2,459 0     | ...         | 1,581 25 | 877 15  | ...   |
|                       |                    | (1894-95)   | 2,403 32            | 15 2             | 2,388 30    | ...         | 1,517 30 | 871 0   | ...   |
|                       |                    | (1895-96)   | 2,403 32            | 15 2             | 2,388 30    | ...         | 554 35   | 1,833 35  | ...   |
|                       |                    | (1896-97)   | 2,403 32            | 15 2             | 2,388 30    | ...         | 2,259 0  | 129 30  | ...   |
|                       | Total...           | 9,677 12    | 52 2                | 9,625 10         | ...         | 5,944 10    | 3,711 0  | ...   |       |
|                       | Average...         | 2,419 13    | 13 0                | 2,406 13         | ...         | 1,478 23    | 927 30   | ...   |       |
| 7                     | Makhan Belo *      | (1893-94)   | 2,514 37            | 1 32             | 2,513 5     | 310 0       | ...      | 2,173 5   | 13 21 |
|                       |                    | (1894-95)   | 2,515 32            | 2 37             | 2,512 35    | 310 0       | ...      | 2,172 35  | 13 21 |
|                       |                    | (1895-96)   | 2,515 32            | 2 37             | 2,512 35    | 328 32      | 1,515 30 | 997 5   | 13 4  |
|                       |                    | (1896-97)   | 2,515 32            | 2 37             | 2,512 35    | 340 0       | 792 20   | 1,380 15  | 13 21 |
|                       | Total...           | 10,062 13   | 10 23               | 10,051 30        | 1,348 32    | 2,908 10    | 6,883 20 | ...   |       |
|                       | Average...         | 2,515 24    | 2 26                | 2,512 38         | 337 8       | 577 3       | 1,595 35 | 13 17   |       |
| 8                     | Shah Hasan†        | (1893-94)   | 2,694 31            | 176 9            | 2,518 22    | 290 0       | 323 15   | 1,880 15  | 11 21 |
|                       |                    | (1894-95)   | 2,902 34            | 399 34           | 2,503 0     | 290 20      | 323 22   | 1,928 38  | 11 15 |
|                       |                    | (1895-96)   | 2,902 34            | 384 0            | 2,518 34    | 290 20      | 1,409 13 | 739 1   | 22 4  |
|                       |                    | (1896-97)   | 2,902 34            | 368 38           | 2,533 36    | 290 20      | 977 4    | 1,266 12  | 11 7  |
|                       | Total...           | 11,403 13   | 1,279 1             | 10,124 12        | 1,161 20    | 3,123 14    | 5,820 26 | ...   |       |
|                       | Average...         | 2,850 33    | 319 30              | 2,531 3          | 290 15      | 780 24      | 1,455 7  | 14 2  |       |
| 9                     | Dabhrif            | (1893-94)   | 2,166 33            | 1,942 39         | 1,023 34    | 210 0       | 292 25   | 410 30  | 20 20 |
|                       |                    | (1894-95)   | 2,164 37            | 1,066 9          | 1,098 28    | 210 0       | 896 9    | 492 19  | 19 5  |
|                       |                    | (1895-96)   | 2,164 37            | 1,091 18         | 1,073 19    | 191 28      | 552 19   | 311 0   | 17 35 |
|                       |                    | (1896-97)   | 2,164 37            | 1,083 6          | 1,081 31    | 210 0       | 574 21   | 297 10  | 19 16 |
|                       | Total...           | 8,661 24    | 5,183 82            | 4,277 32         | 821 28      | 1,815 34    | 1,511 19 | ...   |       |
|                       | Average...         | 2,165 16    | 1,295 38            | 1,069 18         | 205 17      | 453 39      | 377 35   | 19 9  |       |

\* Contains cultivation in bed of the Manchhar Lake accounted for in Form XVII.

† Contains cultivation in portions of hilly tracts and bed of Manchhar Lake accounted for in Form XVII.



## APPENDIX XIII-B—continued.

| No. on Appendix III-A | Names of Villages. | Total Area. | Uncultivable Waste. | Cultivable Land. | Unoccupied. | OCCUPIED.   |           | Percentage of unoccupied cultivable land to cultivable area. |
|-----------------------|--------------------|-------------|---------------------|------------------|-------------|-------------|-----------|--|
|                       |                    |             |                     |                  |             | Cultivable. | Fallow.   |  |
|                       |                    | A. g.       | A. g.               | A. g.            | A. g.       | A. g.       | A. g.     | A. g.  |
| 11                    | Gorandi            | 1893-94     | 3,334 3             | 105 3            | 3,229 0     | 3,077 13    | 41 12     | 95 12  |
|                       |                    | 1894-95     | 3,334 3             | 105 3            | 3,229 0     | 3,077 17    | 55 33     | 95 12  |
|                       |                    | 1895-96     | 3,334 3             | 105 3            | 3,229 0     | 3,077 21    | 60 29     | 95 13  |
|                       |                    | 1896-97     | 3,334 3             | 105 3            | 3,229 0     | 3,063 5     | 73 20     | 94 34  |
|                       |                    | Total...    | 10,006 12           | 40 12            | 12,916 0    | 12,295 16   | 231 14    | ...  |
| 12                    | Phadik             | 1893-94     | 8,252 23            | 3,169 24         | 5,082 39    | 4,262 16    | 569 30    | 82 34  |
|                       |                    | 1894-95     | 8,252 23            | 3,139 24         | 5,082 39    | 4,115 19    | 775 15    | 80 38  |
|                       |                    | 1895-96     | 8,252 23            | 3,169 24         | 5,082 39    | 4,269 39    | 544 7     | 84 0   |
|                       |                    | 1896-97     | 8,252 23            | 3,169 24         | 5,082 39    | 4,330 8     | 623 27    | 85 13  |
|                       |                    | Total...    | 33,010 12           | 12,678 16        | 20,331 36   | 16,844 2    | 2,512 39  | ...  |
| 13                    | Wahi Pir Gaji      | 1893-94     | 1,273 8             | 421 27           | 852 15      | 823 33      | 668 22    | 10 35  |
|                       |                    | 1894-95     | 1,273 8             | 421 27           | 852 15      | 823 33      | 668 22    | 10 35  |
|                       |                    | 1895-96     | 1,273 8             | 421 27           | 852 15      | 823 33      | 668 22    | 10 35  |
|                       |                    | 1896-97     | 1,273 8             | 421 27           | 852 15      | 823 33      | 668 22    | 10 35  |
|                       |                    | Total...    | 5,094 25            | 1,490 34         | 3,603 31    | 652 19      | 2,511 30  | ...  |
| 14                    | Dhaunk             | 1893-94     | 4,350 24            | 360 28           | 3,989 18    | 2,127 3     | 699 13    | 61 10  |
|                       |                    | 1894-95     | 4,350 24            | 360 28           | 3,989 18    | 2,127 3     | 699 13    | 61 10  |
|                       |                    | 1895-96     | 4,350 24            | 360 28           | 3,989 18    | 2,127 3     | 699 13    | 61 10  |
|                       |                    | 1896-97     | 4,350 24            | 360 28           | 3,989 18    | 2,127 3     | 699 13    | 61 10  |
|                       |                    | Total...    | 17,402 16           | 1,436 2          | 15,966 11   | 8,159 33    | 4,777 29  | 30 28  |
| 15                    | Borah *            | 1893-94     | 5,939 20            | 5,651 21         | 288 38      | 17 9        | 80 38     | 181 0  |
|                       |                    | 1894-95     | 5,889 20            | 5,620 17         | 269 3       | ...         | 135 33    | 133 10   |
|                       |                    | 1895-96     | 5,889 20            | 5,618 20         | 271 1       | ...         | 133 16    | 147 25   |
|                       |                    | 1896-97     | 5,889 20            | 5,611 11         | 278 9       | ...         | 95 29     | 182 20   |
|                       |                    | Total...    | 23,608 0            | 22,504 29        | 1,062 11    | 17 9        | 435 36    | 647 15   |
| 16                    | Tori               | 1893-94     | 6,341 34            | 1,613 21         | 4,728 13    | 1,070 38    | 2,646 20  | 1,016 25   |
|                       |                    | 1894-95     | 6,341 34            | 1,613 21         | 4,728 13    | 1,070 38    | 2,646 20  | 1,016 25   |
|                       |                    | 1895-96     | 6,341 34            | 1,613 21         | 4,728 13    | 1,070 38    | 2,646 20  | 1,016 25   |
|                       |                    | 1896-97     | 6,341 34            | 1,613 21         | 4,728 13    | 1,070 38    | 2,646 20  | 1,016 25   |
|                       |                    | Total...    | 25,367 16           | 6,474 4          | 18,893 12   | 4,273 32    | 10,586 38 | 4,012 22   |
| 17                    | Kur Jamik          | 1893-94     | 6,310 5             | 631 16           | 5,678 29    | 5,678 29    | ...       | 100 0  |
|                       |                    | 1894-95     | 6,309 38            | 631 3            | 5,678 35    | 5,678 35    | ...       | 100 0  |
|                       |                    | 1895-96     | 6,309 38            | 631 3            | 5,678 35    | 5,678 35    | ...       | 100 0  |
|                       |                    | 1896-97     | 6,309 38            | 631 3            | 5,678 35    | 5,678 35    | ...       | 100 0  |
|                       |                    | Total...    | 25,239 39           | 2,498 5          | 22,741 34   | 21,961 13   | 795 21    | ...  |
| 18                    | Jampur warki.      | 1893-94     | 4,985 14            | 127 26           | 4,857 28    | 4,374 8     | 511 30    | 21 30  |
|                       |                    | 1894-95     | 4,230 17            | 85 30            | 4,144 27    | 3,714 31    | 399 36    | 18 25  |
|                       |                    | 1895-96     | 4,230 17            | 82 38            | 4,147 19    | 4,084 19    | 89 15     | 35 15  |
|                       |                    | 1896-97     | 4,230 17            | 115 2            | 4,115 15    | 4,080 0     | ...       | ...  |
|                       |                    | Total...    | 17,676 25           | 421 16           | 17,255 9    | 16,233 18   | 951 1     | 70 30  |
| 19                    | Vageji             | 1893-94     | 1,947 22            | 172 23           | 1,774 39    | 244 16      | 1,383 28  | 146 35   |
|                       |                    | 1894-95     | 2,700 29            | 220 18           | 2,480 11    | 371 6       | 1,609 23  | 409 22   |
|                       |                    | 1895-96     | 2,700 29            | 223 6            | 2,477 33    | 630 31      | 1,096 38  | 749 31   |
|                       |                    | 1896-97     | 2,700 29            | 223 6            | 2,477 23    | 618 14      | 1,059 29  | 799 20   |
|                       |                    | Total...    | 10,049 29           | 839 13           | 9,210 16    | 1,864 30    | 5,239 38  | 2,105 28   |
| 20                    | Johi               | 1893-94     | 5,777 11            | 219 16           | 5,558 35    | 2,633 29    | 2,493 11  | 431 35   |
|                       |                    | 1894-95     | 5,777 22            | 463 35           | 5,313 27    | 1,441 1     | 2,848 22  | 1,066 4  |
|                       |                    | 1895-96     | 5,777 21            | 583 34           | 5,193 27    | 1,771 17    | 1,235 4   | 2,184 6  |
|                       |                    | 1896-97     | 5,777 21            | 583 14           | 5,194 7     | 1,824 17    | 1,236 13  | 2,131 17   |
|                       |                    | Total...    | 23,110 35           | 1,858 19         | 21,252 16   | 7,670 24    | 7,768 10  | 5,813 22   |
|                       |                    | Average...  | 5,777 29            | 464 23           | 5,313 4     | 1,917 26    | 1,942 2   | 1,453 16   |

\* Contains cultivation in hilly tracts accounted for in Form XVII.

## APPENDIX XIII-B—continued.

| No. on Appendix III-A. | Names of Villages. | Total Area. | Uncultivable Waste. | Cultivable Land. | Unoccupied. | OCCUPIED.   |          | Percentage of un-occupied cultivable land to cultivable area. |
|------------------------|--------------------|-------------|---------------------|------------------|-------------|-------------|----------|---|
|                        |                    |             |                     |                  |             | Cultivable. | Fallow.  |   |
|                        |                    | A. g.       | A. g.               | A. g.            | A. g.       | A. g.       | A. g.    | A. g.   |
| 21                     | Dara Machhi        | 1893-94     | 5,111 17            | 202 59           | 4,908 28    | 2,820 0     | 1,652 18 | 57 18   |
|                        |                    | 1894-95     | 5,112 16            | 238 36           | 4,873 20    | 1,969 31    | 2,537 19 | 40 17   |
|                        |                    | 1895-96     | 5,121 26            | 375 22           | 4,746 4     | 2,456 10    | 1,341 31 | 51 30   |
|                        |                    | 1896-97     | 5,121 26            | 375 22           | 4,746 4     | 2,450 5     | 1,226 35 | 51 24   |
|                        |                    | Total       | 20,475 5            | 1,192 29         | 19,274 16   | 7,696 9     | 6,358 24 | ...   |
| 22                     | Gaha               | 1893-94     | 1,687 39            | 579 39           | 1,108 0     | 173 35      | 765 0    | 15 28   |
|                        |                    | 1894-95     | 1,686 2             | 435 36           | 1,250 6     | 65 29       | 944 14   | 5 10  |
|                        |                    | 1895-96     | 1,686 2             | 577 0            | 1,109 2     | 154 19      | 553 20   | 13 39   |
|                        |                    | 1896-97     | 1,686 2             | 581 26           | 1,104 16    | 158 19      | 693 4    | 14 6  |
|                        |                    | Total       | 6,716 5             | 2,174 21         | 4,571 24    | 552 22      | 2,955 38 | ...   |
| 23                     | Abad               | 1893-94     | 2,560 30            | 104 24           | 2,456 6     | 86 1        | 2,325 35 | 3 21  |
|                        |                    | 1894-95     | 2,560 30            | 165 22           | 2,395 8     | 15 5        | 2,308 8  | 0 25  |
|                        |                    | 1895-96     | 2,560 30            | 170 11           | 2,390 19    | 45 26       | 2,097 17 | 1 37  |
|                        |                    | 1896-97     | 2,560 30            | 170 11           | 2,390 19    | 48 26       | 2,151 2  | 2 1   |
|                        |                    | Total       | 10,240 0            | 610 28           | 9,632 12    | 195 18      | 8,882 22 | ...   |
| 24                     | Chana              | 1893-94     | 2,736 7             | 275 31           | 2,461 16    | 107 15      | 2,172 36 | 4 14  |
|                        |                    | 1894-95     | 2,736 1             | 204 0            | 2,442 1     | 95 8        | 2,098 4  | 3 36  |
|                        |                    | 1895-96     | 2,736 1             | 305 3            | 2,430 38    | 139 38      | 1,827 27 | 5 2   |
|                        |                    | 1896-97     | 2,736 6             | 305 3            | 2,431 3     | 110 3       | 1,909 28 | 5 30  |
|                        |                    | Total       | 10,945 15           | 1,179 37         | 9,765 18    | 482 24      | 7,958 15 | ...   |
| 25                     | Kharichhi          | 1893-94     | 5,612 22            | 171 27           | 5,441 35    | 1,876 32    | 2,727 28 | 34 29   |
|                        |                    | 1894-95     | 5,676 6             | 654 21           | 5,025 25    | 185 6       | 4,413 21 | 3 28  |
|                        |                    | 1895-96     | 5,670 6             | 1,113 10         | 4,556 36    | 1,308 39    | 2,737 17 | 28 29   |
|                        |                    | 1896-97     | 5,674 6             | 1,113 10         | 4,561 36    | 1,180 2     | 2,654 9  | 25 35   |
|                        |                    | Total       | 22,624 0            | 3,052 28         | 19,571 12   | 4,550 39    | 12,533 8 | ...   |
| 26                     | Per Dhuari         | 1893-94     | 3,753 5             | 46 8             | 3,706 37    | 2,716 12    | 693 25   | 71 3  |
|                        |                    | 1894-95     | 3,759 15            | 49 16            | 3,709 39    | 2,060 20    | 1,614 4  | 55 22   |
|                        |                    | 1895-96     | 3,759 15            | 49 16            | 3,709 39    | 2,827 1     | 777 10   | 76 5  |
|                        |                    | 1896-97     | 3,760 15            | 49 16            | 3,709 39    | 2,792 19    | 808 20   | 75 10   |
|                        |                    | Total       | 15,031 10           | 194 16           | 14,836 34   | 10,426 15   | 3,893 19 | ...   |
| 27                     | Phulji             | 1893-94     | 1,471 36            | 164 28           | 1,307 8     | 652 17      | 627 6    | 49 36   |
|                        |                    | 1894-95     | 1,487 31            | 163 35           | 1,323 36    | 995 20      | 154 10   | 75 8  |
|                        |                    | 1895-96     | 1,564 2             | 177 3            | 1,386 39    | 1,131 11    | 62 12    | 82 8  |
|                        |                    | 1896-97     | 1,564 2             | 177 3            | 1,386 39    | 1,057 7     | 143 36   | 76 9  |
|                        |                    | Total       | 6,087 31            | 682 29           | 4,405 2     | 3,836 15    | 987 24   | ...   |
| 28                     | Shah Morio         | 1893-94     | 2,008 9             | 724 27           | 1,283 22    | 144 37      | 989 5    | 11 12   |
|                        |                    | 1894-95     | 2,009 10            | 471 10           | 1,535 0     | 218 37      | 1,021 16 | 14 10   |
|                        |                    | 1895-96     | 2,009 10            | 510 28           | 1,498 22    | 351 28      | 717 9    | 23 19   |
|                        |                    | 1896-97     | 2,009 10            | 494 38           | 1,514 12    | 380 8       | 793 1    | 25 4  |
|                        |                    | Total       | 8,035 39            | 2,204 25         | 5,831 16    | 1,095 30    | 3,520 31 | ...   |
| 29                     | Mothiri            | 1893-94     | 5,421 11            | 1,311 8          | 4,110 3     | 3,652 8     | 369 5    | 88 34   |
|                        |                    | 1894-95     | 5,494 12            | 1,197 0          | 4,297 12    | 3,379 38    | 753 34   | 78 26   |
|                        |                    | 1895-96     | 5,494 12            | 1,225 1          | 4,269 11    | 3,699 0     | 511 31   | 86 25   |
|                        |                    | 1896-97     | 5,494 12            | 1,268 26         | 4,225 26    | 3,738 4     | 259 17   | 87 7  |
|                        |                    | Total       | 21,904 7            | 4,941 35         | 16,962 12   | 14,469 10   | 1,913 7  | ...   |
| 30                     | Khat               | 1893-94     | 3,143 9             | 254 28           | 2,888 21    | 1,663 32    | 960 9    | 57 24   |
|                        |                    | 1894-95     | 3,144 28            | 270 16           | 2,874 12    | 1,449 30    | 898 7    | 50 18   |
|                        |                    | 1895-96     | 3,144 28            | 270 16           | 2,874 12    | 1,875 8     | 452 4    | 65 8  |
|                        |                    | 1896-97     | 3,144 28            | 270 16           | 2,874 12    | 1,900 12    | 353 20   | 66 5  |
|                        |                    | Total       | 12,577 13           | 1,065 36         | 11,511 17   | 6,889 2     | 2,664 0  | ...   |
|                        |                    | Average     | 3,144 10            | 266 19           | 2,877 34    | 1,722 11    | 666 0    | 59 34   |

## APPENDIX XIII-B—continued.

| No. on Appendix III-A. | Names of Villages.     | Total Area. | Uncultivable Waste. | Cultivable Land. | Unoccupied. | Occupied.   |          | Percentage of un-occupied cultivable land to cultivable area. |
|------------------------|------------------------|-------------|---------------------|------------------|-------------|-------------|----------|---|
|                        |                        |             |                     |                  |             | Cultivable. | Fallow.  |   |
|                        |                        | A. g.       | A. g.               | A. g.            | A. g.       | A. g.       | A. g.    | A. g.   |
| 31                     | Bahawalpur ...         | 1893-94     | 2,986 39            | 293 34           | 2,693 5     | 858 8       | 1,401 37 | 483 0   |
|                        |                        | 1894-95     | 2,986 23            | 333 9            | 2,653 14    | 881 35      | 1,153 31 | 31 14   |
|                        |                        | 1895-96     | 2,986 23            | 289 8            | 2,697 15    | 907 4       | 1,207 3  | 33 25   |
|                        |                        | 1896-97     | 2,986 23            | 269 7            | 2,717 16    | 892 24      | 1,480 33 | 32 34   |
|                        |                        | Total...    | 11,946 28           | 1,185 18         | 10,761 10   | 3,489 31    | 4,777 21 | 2,493 88  |
| 32                     | Kur Kalan ...          | 1893-94     | 6,072 10            | 224 11           | 5,847 39    | 4,296 24    | 1,119 10 | 432 5   |
|                        |                        | 1894-95     | 6,072 10            | 223 36           | 5,848 14    | 647 35      | 5,160 19 | 40 0  |
|                        |                        | 1895-96     | 6,072 10            | 224 3            | 5,848 7     | 4,758 26    | 449 6    | 645 15  |
|                        |                        | 1896-97     | 6,072 10            | 228 30           | 5,843 20    | 3,094 31    | 2,272 29 | 476 0   |
|                        |                        | Total...    | 24,289 0            | 901 0            | 23,388 0    | 12,798 36   | 9,001 24 | 1,593 20  |
| 33                     | Buthi ...              | 1893-94     | 5,497 19            | 164 37           | 5,332 22    | 4,648 6     | 684 16   | 87 7  |
|                        |                        | 1894-95     | 5,497 19            | 164 37           | 5,332 22    | 3,955 28    | 1,376 34 | 74 7  |
|                        |                        | 1895-96     | 5,528 3             | 164 37           | 5,363 6     | 5,179 34    | 183 12   | 96 23   |
|                        |                        | 1896-97     | 5,594 19            | 164 37           | 5,429 22    | 5,250 12    | 179 10   | 97 6  |
|                        |                        | Total...    | 22,117 20           | 659 28           | 21,457 32   | 19,034 0    | 2,423 32 | ...   |
| 34                     | Suranjri Jagir ...     | 1893-94     | ...                 | ...              | ...         | ...         | ...      | ...   |
|                        |                        | 1894-95     | ...                 | ...              | ...         | ...         | ...      | ...   |
|                        |                        | 1895-96     | ...                 | ...              | ...         | ...         | ...      | ...   |
|                        |                        | 1896-97     | ...                 | ...              | ...         | ...         | ...      | ...   |
|                        |                        | Total...    | ...                 | ...              | ...         | ...         | ...      | ...   |
| 35                     | Drigh Hethin Jagir ... | 1893-94     | ...                 | ...              | ...         | ...         | ...      | ...   |
|                        |                        | 1894-95     | ...                 | ...              | ...         | ...         | ...      | ...   |
|                        |                        | 1895-96     | ...                 | ...              | ...         | ...         | ...      | ...   |
|                        |                        | 1896-97     | ...                 | ...              | ...         | ...         | ...      | ...   |
|                        |                        | Total...    | ...                 | ...              | ...         | ...         | ...      | ...   |
| 38                     | Nuro ...               | 1893-94     | 4,787 15            | 288 3            | 4,499 12    | 617 35      | 716 0    | 8,165 17  |
|                        |                        | 1894-95     | 4,787 15            | 288 3            | 4,499 12    | 617 35      | 2,299 39 | 1,581 18  |
|                        |                        | 1895-96     | 4,787 15            | 288 3            | 4,499 12    | 558 1       | 844 19   | 3,096 32  |
|                        |                        | 1896-97     | 4,787 15            | 287 26           | 4,499 20    | 617 35      | 43 2     | 3,838 32  |
|                        |                        | Total...    | 19,149 20           | 1,151 35         | 17,997 25   | 2,411 26    | 3,908 20 | 11,682 19   |
| 39                     | Jhalke ...             | 1893-94     | 2,790 19            | 239 19           | 2,551 0     | 75 1        | 672 13   | 1,803 26  |
|                        |                        | 1894-95     | 2,790 19            | 251 28           | 2,538 31    | 50 17       | 1,630 13 | 858 1   |
|                        |                        | 1895-96     | 2,790 19            | 251 28           | 2,538 31    | 130 30      | 373 0    | 2,035 1   |
|                        |                        | 1896-97     | 2,790 19            | 249 6            | 2,541 13    | 130 30      | 35 2     | 2,375 21  |
|                        |                        | Total...    | 11,161 36           | 992 1            | 10,169 35   | 386 38      | 2,716 28 | 7,072 9   |
| 40                     | Dunbo ...              | 1893-94     | 4,129 24            | 498 39           | 3,630 25    | 165 26      | 472 21   | 2,992 18  |
|                        |                        | 1894-95     | 4,129 24            | 483 23           | 3,646 1     | 87 27       | 1,832 35 | 1,775 19  |
|                        |                        | 1895-96     | 4,129 24            | 494 9            | 3,635 15    | 72 7        | 2,397 24 | 1,165 24  |
|                        |                        | 1896-97     | 4,129 24            | 467 20           | 3,662 4     | 31 4        | 1,437 26 | 2,193 14  |
|                        |                        | Total...    | 16,518 16           | 1,944 11         | 14,574 5    | 306 24      | 6,140 26 | 8,126 35  |
| 41                     | Suk Nai ...            | 1893-94     | 4,107 37            | 497 3            | 3,610 34    | ...         | 562 3    | 3,048 31  |
|                        |                        | 1894-95     | 4,107 37            | 430 34           | 3,677 3     | ...         | 1,307 7  | 2,369 36  |
|                        |                        | 1895-96     | 4,107 37            | 449 25           | 3,658 12    | ...         | 1,487 37 | 2,170 15  |
|                        |                        | 1896-97     | 4,107 37            | 430 0            | 3,677 37    | ...         | 332 21   | 3,345 16  |
|                        |                        | Total...    | 16,431 28           | 1,807 22         | 14,624 6    | ...         | 3,689 28 | 10,934 18   |
| 42                     | Mir Wah ...            | 1893-94     | 3,690 24            | 1,255 0          | 2,435 24    | 582 39      | 145 10   | 1,767 15  |
|                        |                        | 1894-95     | 3,690 24            | 1,282 32         | 2,407 32    | 407 13      | 307 29   | 1,692 30  |
|                        |                        | 1895-96     | 3,690 24            | 1,256 19         | 2,434 5     | 467 9       | 419 1    | 1,547 35  |
|                        |                        | 1896-97     | 3,690 24            | 1,161 14         | 2,529 10    | 867 19      | 407 6    | 1,754 25  |
|                        |                        | Total...    | 14,762 16           | 4,955 25         | 9,806 31    | 1,825 0     | 1,279 6  | 6,702 25  |
|                        |                        | Average...  | 3,690 24            | 1,238 36         | 2,451 28    | 456 10      | 319 32   | 1,675 26  |
|                        |                        |             |                     |                  |             |             |          |   |
|                        |                        |             |                     |                  |             |             |          |   |
|                        |                        |             |                     |                  |             |             |          |   |
|                        |                        |             |                     |                  |             |             |          |   |

## APPENDIX XIII-B—continued.

| No. of Appendix<br>131 A. | Names of Villages. | Total Area. | Uncultivable<br>Waste. | Cultivable<br>Land. | Unoccupied. | Occupied.   |          | Percent-<br>age of un-<br>occupied<br>cultivable<br>land to<br>cultivable<br>area. |
|---------------------------|--------------------|-------------|------------------------|---------------------|-------------|-------------|----------|--|
|                           |                    |             |                        |                     |             | Cultivable. | Fallow.  |  |
|                           |                    | A. g.       | A. g.                  | A. g.               | A. g.       | A. g.       | A. g.    | A. g.  |
| 43                        | Hero Khan          | 1893-94     | 2,645 25               | 1,306 15            | 1,339 10    | ...         | 490 22   | 899 28   |
|                           |                    | 1894-95     | 2,645 25               | 1,382 8             | 1,363 17    | ...         | 524 13   | 839 4  |
|                           |                    | 1895-96     | 2,645 25               | 1,306 14            | 1,339 11    | ...         | 212 39   | 1,126 12   |
|                           |                    | 1896-97     | 2,645 25               | 1,301 23            | 1,344 2     | ...         | 459 33   | 884 9  |
|                           |                    | Total...    | 10,582 20              | 5,196 20            | 5,386 0     | ...         | 1,636 27 | 3,749 13   |
|                           |                    | Average...  | 2,645 25               | 1,299 5             | 1,346 20    | ...         | 409 7    | 937 13   |
| 44                        | Pai                | 1893-94     | 3,172 21               | 3,017 29            | 154 32      | ...         | 100 2    | 54 80  |
|                           |                    | 1894-95     | 3,172 21               | 3,005 0             | 167 21      | ...         | 175 31   | 41 30  |
|                           |                    | 1895-96     | 3,172 21               | 3,016 4             | 156 17      | ...         | 117 12   | 39 5   |
|                           |                    | 1896-97     | 3,172 21               | 2,971 5             | 201 16      | ...         | 177 26   | 23 30  |
|                           |                    | Total...    | 12,690 4               | 12,009 38           | 680 6       | ...         | 520 31   | 159 15   |
|                           |                    | Average...  | 3,172 21               | 3,002 19            | 170 2       | ...         | 130 8    | 39 34  |
| 45                        | Murid Dero         | 1893-94     | 3,349 35               | 343 36              | 3,005 39    | 1,244 8     | 454 28   | 1,307 2  |
|                           |                    | 1894-95     | 3,349 35               | 359 8               | 3,010 27    | 1,251 10    | 778 18   | 960 89   |
|                           |                    | 1895-96     | 3,349 35               | 332 16              | 3,017 19    | 1,268 22    | 643 35   | 1,165 2  |
|                           |                    | 1896-97     | 3,349 35               | 334 33              | 3,015 2     | 1,248 24    | 510 19   | 1,255 39   |
|                           |                    | Total...    | 13,390 20              | 1,356 13            | 12,049 7    | 4,952 24    | 2,337 20 | 4,709 3  |
|                           |                    | Average...  | 3,349 35               | 337 23              | 3,012 12    | 1,238 6     | 586 35   | 1,177 11   |
| 46                        | Masu Dero          | 1893-94     | 4,211 26               | 291 4               | 3,920 22    | 57 20       | 1,618 10 | 2,214 32   |
|                           |                    | 1894-95     | 4,201 11               | 319 18              | 3,881 33    | 54 10       | 2,641 1  | 1,186 22   |
|                           |                    | 1895-96     | 4,201 11               | 301 14              | 3,899 37    | 53 31       | 1,535 8  | 2,280 38   |
|                           |                    | 1896-97     | 4,201 11               | 278 30              | 3,923 21    | 54 10       | 2,376 4  | 1,497 7  |
|                           |                    | Total...    | 16,815 19              | 1,185 26            | 15,629 33   | 219 31      | 8,230 23 | 7,179 19   |
|                           |                    | Average...  | 4,203 35               | 296 17              | 3,907 18    | 54 37       | 2,057 26 | 1,794 35   |
| 47                        | Naichki            | 1893-94     | 1,371 9                | 178 24              | 1,192 25    | 56 35       | 159 10   | 976 20   |
|                           |                    | 1894-95     | 1,381 24               | 178 24              | 1,203 0     | 67 10       | 205 5    | 980 25   |
|                           |                    | 1895-96     | 1,381 24               | 175 37              | 1,205 27    | 52 18       | 102 29   | 1,050 20   |
|                           |                    | 1896-97     | 1,381 24               | 176 12              | 1,205 12    | 67 10       | 76 27    | 1,061 15   |
|                           |                    | Total...    | 5,516 1                | 709 17              | 4,806 24    | 243 33      | 543 31   | 4,019 0  |
|                           |                    | Average...  | 1,379 0                | 177 14              | 1,201 26    | 60 38       | 135 38   | 1,004 30   |
| 50                        | Hasnani            | 1893-94     | 3,737 16               | 183 0               | 3,554 16    | 1,151 17    | 943 18   | 1,459 21   |
|                           |                    | 1894-95     | 3,737 16               | 183 0               | 3,554 16    | 935 6       | 1,511 2  | 1,108 8  |
|                           |                    | 1895-96     | 3,737 16               | 181 8               | 3,556 8     | 1,322 10    | 519 20   | 1,714 18   |
|                           |                    | 1896-97     | 3,737 16               | 179 39              | 3,557 17    | 1,179 31    | 1,280 30 | 1,096 36   |
|                           |                    | Total...    | 14,949 24              | 727 7               | 14,222 17   | 4,588 24    | 4,254 30 | 5,879 3  |
|                           |                    | Average...  | 3,737 16               | 181 32              | 3,555 24    | 1,147 6     | 1,053 28 | 1,344 31   |
| 51                        | Kot Chakar         | 1893-94     | 4,941 37               | 1,051 5             | 3,890 32    | 981 17      | 976 39   | 1,932 16   |
|                           |                    | 1894-95     | 4,941 37               | 1,020 8             | 3,921 29    | 966 0       | 1,140 2  | 1,815 27   |
|                           |                    | 1895-96     | 4,941 37               | 1,028 23            | 3,913 14    | 967 19      | 1,139 39 | 1,805 36   |
|                           |                    | 1896-97     | 4,941 37               | 1,010 7             | 3,931 30    | 958 6       | 1,325 31 | 1,617 33   |
|                           |                    | Total...    | 19,767 28              | 4,110 3             | 15,657 25   | 3,873 2     | 4,582 31 | 7,201 32   |
|                           |                    | Average...  | 4,941 37               | 1,027 21            | 3,914 16    | 968 10      | 1,145 28 | 1,800 18   |
| 53                        | Potho              | 1893-94     | 4,133 15               | 3,256 21            | 876 34      | ...         | 624 17   | 252 17   |
|                           |                    | 1894-95     | 4,133 15               | 3,288 25            | 844 30      | ...         | 406 30   | 438 0  |
|                           |                    | 1895-96     | 4,133 15               | 3,359 3             | 874 12      | ...         | 463 29   | 410 33   |
|                           |                    | 1896-97     | 4,133 15               | 3,207 13            | 926 2       | ...         | 588 19   | 337 23   |
|                           |                    | Total...    | 16,533 20              | 13,011 22           | 3,521 38    | ...         | 2,083 15 | 1,438 23   |
|                           |                    | Average...  | 4,133 15               | 3,252 35            | 880 20      | ...         | 520 34   | 359 26   |
| 55                        | Phero Dero         | 1893-94     | 2,015 35               | 605 20              | 1,410 15    | 70 15       | 558 18   | 781 22   |
|                           |                    | 1894-95     | 2,309 33               | 639 33              | 1,670 0     | 121 30      | 633 18   | 939 32   |
|                           |                    | 1895-96     | 2,309 33               | 634 35              | 1,674 38    | 121 30      | 558 29   | 994 19   |
|                           |                    | 1896-97     | 2,448 25               | 652 36              | 1,795 29    | 121 30      | 551 0    | 1,122 39   |
|                           |                    | Total...    | 9,084 6                | 2,533 4             | 6,551 2     | 435 25      | 2,306 25 | 3,808 32   |
|                           |                    | Average...  | 2,271 2                | 633 11              | 1,637 31    | 108 36      | 576 27   | 952 8  |
| 56                        | Alahyar Dero       | 1893-94     | 3,541 30               | 440 12              | 3,101 18    | 540 20      | 291 32   | 1,269 6  |
|                           |                    | 1894-95     | 3,541 30               | 358 30              | 3,183 0     | 490 20      | 1,282 2  | 1,410 18   |
|                           |                    | 1895-96     | 3,541 30               | 352 32              | 3,188 38    | 539 13      | 491 13   | 2,168 12   |
|                           |                    | 1896-97     | 3,629 35               | 419 30              | 3,210 5     | 475 9       | 558 5    | 2,176 31   |
|                           |                    | Total...    | 14,255 5               | 1,571 24            | 12,683 21   | 2,035 22    | 2,623 22 | 8,024 27   |
|                           |                    | Average...  | 3,563 31               | 392 36              | 3,170 35    | 508 35      | 653 33   | 2,006 7  |



## APPENDIX XIII-B—continued.

| No. on Appendix III-A. | Names of Villages. | Total Area. | Uncultivable Waste. | Cultivable Land. | Unoccupied. | OCCUPIED.   |          | Percentage of un-occupied cultivable land to cultivable area. |       |
|------------------------|--------------------|-------------|---------------------|------------------|-------------|-------------|----------|---|-------|
|                        |                    |             |                     |                  |             | Cultivable. | Fallow.  |   |       |
|                        |                    | A. g.       | A. g.               | A. g.            | A. g.       | A. g.       | A. g.    | A. g.   |       |
| 57                     | Gaji Khan          | 1893-94     | 4,226 37            | 355 28           | 3,871 9     | 265 35      | 617 34   | 2,257 20  | 6 34  |
|                        |                    | 1894-95     | 4,226 37            | 358 17           | 3,868 20    | 259 19      | 1,474 11 | 2,134 30  | 6 28  |
|                        |                    | 1895-96     | 4,226 37            | 358 3            | 3,868 34    | 265 35      | 641 19   | 2,061 20  | 6 35  |
|                        |                    | 1896-97     | 4,226 37            | 356 38           | 3,869 39    | 264 13      | 819 1    | 2,786 25  | 6 5   |
|                        |                    | Total...    | 16,907 28           | 1,429 6          | 15,478 22   | 1,055 22    | 3,552 25 | 10,870 15   | ...   |
|                        | Average...         | 4,226 37    | 357 11              | 3,869 26         | 263 36      | 888 6       | 2,717 24 | 6 33  |       |
| 59                     | Haji Khan          | 1893-94     | 6,463 27            | 1,323 9          | 5,140 18    | 1,212 30    | 722 19   | 3,205 9   | 23 23 |
|                        |                    | 1894-95     | 6,463 27            | 1,319 22         | 5,144 5     | 1,189 37    | 1,331 16 | 2,122 32  | 23 5  |
|                        |                    | 1895-96     | 6,463 27            | 1,311 25         | 5,152 2     | 1,176 3     | 954 15   | 3,021 24  | 22 33 |
|                        |                    | 1896-97     | 6,463 27            | 826 26           | 5,637 1     | 1,172 24    | 1,707 13 | 2,757 4   | 20 32 |
|                        |                    | Total...    | 25,854 28           | 4,781 2          | 21,073 26   | 4,751 14    | 5,215 23 | 11,106 29   | ...   |
|                        | Average...         | 6,463 27    | 1,195 10            | 5,268 17         | 1,187 34    | 1,303 36    | 2,776 27 | 22 23   |       |
| 60                     | Naushahro          | 1893-94     | 5,589 11            | 863 7            | 4,726 4     | 1,172 30    | 146 1    | 3,407 13  | 24 33 |
|                        |                    | 1894-95     | 5,589 11            | 897 3            | 4,692 8     | 918 10      | 1,566 30 | 2,302 8   | 19 4  |
|                        |                    | 1895-96     | 5,589 11            | 832 30           | 4,756 21    | 1,131 31    | 421 37   | 3,179 33  | 23 28 |
|                        |                    | 1896-97     | 5,589 11            | 840 13           | 4,748 28    | 983 6       | 834 24   | 2,871 8   | 20 28 |
|                        |                    | Total...    | 22,357 4            | 3,363 13         | 18,993 31   | 4,203 37    | 3,029 12 | 11,760 22   | ...   |
|                        | Average...         | 5,589 11    | 840 33              | 4,748 18         | 1,050 39    | 757 13      | 2,940 6  | 22 6  |       |
| 61                     | Naunari            | 1893-94     | 3,913 34            | 407 10           | 3,506 24    | 1,225 30    | ...      | 2,280 34  | 34 38 |
|                        |                    | 1894-95     | 3,913 34            | 404 21           | 3,509 13    | 1,215 24    | 76 15    | 2,217 11  | 34 26 |
|                        |                    | 1895-96     | 3,952 21            | 411 1            | 3,541 20    | 1,222 32    | 164 13   | 2,154 15  | 34 21 |
|                        |                    | 1896-97     | 3,952 21            | 403 27           | 3,548 34    | 1,207 9     | 129 23   | 2,212 0   | 34 0  |
|                        |                    | Total...    | 15,732 30           | 1,625 19         | 14,106 11   | 4,871 15    | 370 13   | 8,864 23  | ...   |
|                        | Average...         | 3,933 8     | 406 25              | 3,526 23         | 1,217 34    | 92 23       | 2,216 6  | 34 21   |       |
| 62                     | Jampur Lund-ki.    | 1893-94     | 4,404 26            | 605 26           | 3,799 0     | 772 23      | ...      | 3,026 15  | 20 13 |
|                        |                    | 1894-95     | 4,404 26            | 559 25           | 3,845 1     | 758 31      | 510 5    | 2,746 5   | 19 23 |
|                        |                    | 1895-96     | 4,404 26            | 603 35           | 3,800 31    | 765 21      | 305 15   | 2,729 35  | 20 3  |
|                        |                    | 1896-97     | 4,404 26            | 580 33           | 3,823 33    | 764 12      | 486 16   | 2,573 5   | 20 0  |
|                        |                    | Total...    | 17,618 24           | 2,349 39         | 15,268 25   | 3,061 9     | 1,331 36 | 10,875 31   | ...   |
|                        | Average...         | 4,404 26    | 587 20              | 3,817 6          | 765 12      | 332 39      | 2,718 35 | 20 1  |       |
| 63                     | Bakhr Shahid.      | 1893-94     | 3,993 6             | 565 21           | 3,427 25    | 791 20      | ...      | 2,636 5   | 23 3  |
|                        |                    | 1894-95     | 3,994 12            | 549 10           | 3,445 2     | 712 29      | 632 18   | 2,069 35  | 21 22 |
|                        |                    | 1895-96     | 3,993 23            | 566 27           | 3,431 36    | 769 11      | 318 35   | 2,343 30  | 22 16 |
|                        |                    | 1896-97     | 3,994 12            | 555 26           | 3,438 26    | 735 14      | 648 17   | 2,054 25  | 21 0  |
|                        |                    | Total...    | 15,980 13           | 2,237 4          | 13,743 9    | 3,038 34    | 1,599 30 | 9,104 25  | ...   |
|                        | Average...         | 3,995 3     | 559 11              | 3,435 32         | 759 28      | 399 38      | 2,276 6  | 22 0  |       |
| 64                     | Miran Muchhi.      | 1893-94     | 7,081 37            | 218 17           | 6,863 10    | 5,724 15    | ...      | 1,138 35  | 83 16 |
|                        |                    | 1894-95     | 7,081 37            | 218 27           | 6,863 10    | 5,701 15    | 40 35    | 1,121 0   | 83 3  |
|                        |                    | 1895-96     | 7,081 37            | 218 27           | 6,863 10    | 5,681 18    | 100 32   | 1,081 0   | 82 31 |
|                        |                    | 1896-97     | 7,081 37            | 218 27           | 6,863 10    | 5,683 25    | 120 20   | 1,059 5   | 83 8  |
|                        |                    | Total...    | 28,327 28           | 874 28           | 27,453 0    | 22,790 33   | 262 7    | 4,400 0   | ...   |
|                        | Average...         | 7,081 37    | 218 27              | 6,863 10         | 5,697 28    | 65 22       | 1,100 0  | 83 1  |       |
| 66                     | Nai Taki           | 1893-94     | 5,059 25            | 368 33           | 4,690 22    | 3,094 35    | ...      | 1,595 37  | 66 0  |
|                        |                    | 1894-95     | 5,059 25            | 352 1            | 4,707 24    | 2,869 14    | 389 8    | 1,449 2   | 60 38 |
|                        |                    | 1895-96     | 5,059 25            | 356 32           | 4,702 33    | 3,071 15    | 220 16   | 1,411 2   | 65 12 |
|                        |                    | 1896-97     | 5,059 25            | 341 12           | 4,718 13    | 2,837 28    | 555 38   | 1,324 27  | 60 5  |
|                        |                    | Total...    | 20,238 20           | 1,418 38         | 18,819 22   | 11,873 12   | 1,165 22 | 5,780 28  | ...   |
|                        | Average...         | 5,059 25    | 354 29              | 4,704 36         | 2,968 13    | 291 16      | 1,445 7  | 63 3  |       |
| 68                     | Halejo             | 1893-94     | 3,328 16            | 506 28           | 2,821 28    | 838 29      | 494 33   | 1,488 6   | 29 29 |
|                        |                    | 1894-95     | 3,325 6             | 504 12           | 2,820 34    | 857 22      | 628 21   | 1,334 31  | 30 16 |
|                        |                    | 1895-96     | 3,325 6             | 504 5            | 2,821 1     | 842 33      | 679 27   | 1,298 21  | 29 35 |
|                        |                    | 1896-97     | 3,325 6             | 501 7            | 2,823 39    | 833 21      | 1,085 32 | 904 26  | 29 20 |
|                        |                    | Total...    | 13,303 34           | 2,016 12         | 11,287 22   | 3,372 25    | 2,888 33 | 5,026 4   | ...   |
|                        | Average...         | 3,325 39    | 504 3               | 2,821 36         | 843 6       | 722 9       | 1,256 21 | 29 35   |       |
| 69                     | Jalab              | 1893-94     | 3,279 18            | 599 16           | 2,680 2     | 848 22      | 298 35   | 1,532 25  | 31 26 |
|                        |                    | 1894-95     | 3,279 18            | 597 36           | 2,681 22    | 845 4       | 369 28   | 1,466 30  | 31 21 |
|                        |                    | 1895-96     | 3,279 18            | 603 16           | 2,676 2     | 847 21      | 228 1    | 1,600 20  | 31 27 |
|                        |                    | 1896-97     | 3,279 18            | 593 31           | 2,685 27    | 820 20      | 697 2    | 1,159 5   | 30 35 |
|                        |                    | Total...    | 13,117 32           | 2,394 19         | 10,723 13   | 3,370 27    | 1,598 26 | 5,759 0   | ...   |
|                        | Average...         | 3,279 18    | 598 25              | 2,680 33         | 842 26      | 398 17      | 1,439 30 | 31 17   |       |

## APPENDIX XIII-B—continued.

| No. on Appendix<br>III-A. | Names of Villages. | Total Area. | Uncultivable<br>Waste. | Cultivable<br>Land. | Unoccupied. | Occupied.   |          | Percent-<br>age of un-<br>occupied<br>cultivable<br>land to<br>cultivable<br>area. |
|---------------------------|--------------------|-------------|------------------------|---------------------|-------------|-------------|----------|--|
|                           |                    |             |                        |                     |             | Cultivable. | Fallow.  |  |
|                           |                    | A. g.       | A. g.                  | A. g.               | A. g.       | A. g.       | A. g.    | A. g.  |
| 71                        | Wahi Pandhi*       | 1893-94     | 8,870 3                | 3,319 8             | 5,520 37    | 2,776 21    | 828 37   | 1,908 37   |
|                           |                    | 1894-95     | 8,870 3                | 3,311 53            | 5,508 29    | 2,696 12    | 1,476 2  | 1,320 15   |
|                           |                    | 1895-96     | 8,870 3                | 3,366 32            | 5,503 11    | 2,752 13    | 939 29   | 1,802 37   |
|                           |                    | 1896-97     | 8,870 3                | 3,358 37            | 5,511 6     | 2,615 12    | 1,626 3  | 1,250 28   |
|                           |                    | Total...    | 35,480 12              | 13,436 18           | 22,043 34   | 10,838 28   | 4,870 31 | 6,297 37   |
| 73                        | Kukrani            | Average...  | 8,870 3                | 3,359 4             | 5,510 39    | 2,709 27    | 1,217 28 | 1,574 19   |
|                           |                    | 1893-94     | 6,100 20               | 5,988 26            | 111 34      | 13 30       | 51 19    | 46 25  |
|                           |                    | 1894-95     | 6,100 20               | 6,003 8             | 97 12       | 13 30       | 26 27    | 56 35  |
|                           |                    | 1895-96     | 6,100 20               | 5,976 33            | 123 27      | 13 30       | 47 17    | 62 20  |
|                           |                    | 1896-97     | 6,100 20               | 5,993 1             | 107 19      | 13 30       | 42 34    | 50 35  |
| 74                        | Nali               | Total...    | 24,402 0               | 23,961 28           | 440 12      | 55 0        | 168 17   | 216 35   |
|                           |                    | Average...  | 6,100 20               | 5,990 17            | 110 3       | 13 30       | 42 4     | 54 9   |
|                           |                    | 1893-94     | 5,422 24               | 910 13              | 4,512 11    | 2,684 23    | 497 6    | 1,930 17   |
|                           |                    | 1894-95     | 5,422 24               | 887 20              | 4,535 4     | 1,755 18    | 2,459 6  | 320 20   |
|                           |                    | 1895-96     | 5,422 24               | 872 6               | 4,550 18    | 2,048 35    | 1,775 16 | 721 7  |
| 75                        | Thul               | 1896-97     | 5,422 24               | 851 4               | 4,571 20    | 1,666 27    | 2,448 1  | 156 32   |
|                           |                    | Total...    | 21,690 16              | 8,521 3             | 18,169 13   | 7,555 28    | 7,182 29 | 3,430 36   |
|                           |                    | Average...  | 5,422 24               | 880 11              | 4,542 13    | 1,888 37    | 1,795 27 | 857 19   |
|                           |                    | 1893-94     | 5,931 39               | 1,152 26            | 4,780 13    | 2,612 38    | 42 17    | 2,124 38   |
|                           |                    | 1894-95     | 5,931 39               | 1,010 31            | 4,922 8     | 2,360 3     | 1,417 20 | 1,144 25   |
| 78                        | Sawiro             | 1895-96     | 5,931 39               | 1,139 16            | 4,793 24    | 2,545 5     | 538 26   | 1,709 33   |
|                           |                    | 1896-97     | 5,931 21               | 1,071 32            | 4,862 29    | 2,152 18    | 1,738 36 | 971 15   |
|                           |                    | Total...    | 23,753 18              | 4,374 24            | 19,358 34   | 9,670 24    | 3,797 19 | 5,950 31   |
|                           |                    | Average...  | 5,933 15               | 1,093 26            | 4,839 29    | 2,417 26    | 934 15   | 1,497 28   |
|                           |                    | 1893-94     | 4,149 1                | 443 13              | 3,705 28    | 2,153 20    | 636 26   | 915 22   |
| 79                        | Bahlel             | 1894-95     | 4,323 26               | 442 10              | 3,881 16    | 1,178 10    | 2,372 6  | 421 0  |
|                           |                    | 1895-96     | 4,323 26               | 433 24              | 3,890 23    | 1,782 18    | 1,338 22 | 778 22   |
|                           |                    | 1896-97     | 4,324 33               | 434 31              | 3,890 2     | 1,459 21    | 1,965 24 | 464 37   |
|                           |                    | Total...    | 17,121 6               | 1,754 8             | 15,366 38   | 6,573 29    | 6,202 38 | 2,510 11   |
|                           |                    | Average...  | 4,280 12               | 438 22              | 3,841 30    | 1,643 17    | 1,550 30 | 647 23   |
| 80                        | Shadman            | 1893-94     | 2,670 21               | 527 21              | 2,143 0     | 959 25      |          | 1,183 15   |
|                           |                    | 1894-95     | 2,670 21               | 469 33              | 2,200 28    | 627 9       | 1,148 9  | 425 10   |
|                           |                    | 1895-96     | 2,670 21               | 513 0               | 2,157 21    | 364 27      | 244 14   | 978 20   |
|                           |                    | 1896-97     | 2,670 21               | 521 29              | 2,148 32    | 919 24      | 541 23   | 687 25   |
|                           |                    | Total...    | 10,682 4               | 2,032 3             | 8,650 1     | 3,441 5     | 1,634 6  | 3,274 30   |
| 81                        | Tok Kasim          | Average...  | 2,670 21               | 508 1               | 2,162 20    | 860 11      | 483 22   | 818 25   |
|                           |                    | 1893-94     | 3,028 37               | 329 4               | 2,699 33    | 1,116 5     | 51 10    | 1,532 18   |
|                           |                    | 1894-95     | 3,028 37               | 327 21              | 2,701 16    | 1,058 34    | 815 14   | 82 8   |
|                           |                    | 1895-96     | 3,028 37               | 328 37              | 2,700 0     | 1,114 22    | 417 5    | 1,163 13   |
|                           |                    | 1896-97     | 3,028 27               | 320 28              | 2,708 9     | 1,082 27    | 847 12   | 778 10   |
| 82                        | Khudani†           | Total...    | 12,115 28              | 1,306 10            | 10,809 18   | 4,367 8     | 2,131 1  | 4,311 9  |
|                           |                    | Average...  | 3,028 37               | 326 23              | 2,702 14    | 1,091 32    | 532 20   | 1,077 32   |
|                           |                    | 1893-94     | 3,870 9                | 2,166 4             | 1,704 5     | 1,160 18    | 84 12    | 450 15   |
|                           |                    | 1894-95     | 3,870 9                | 2,166 4             | 1,704 5     | 1,161 10    | 122 35   | 420 0  |
|                           |                    | 1895-96     | 3,870 9                | 2,166 2             | 1,704 7     | 1,161 3     | 121 39   | 408 5  |
| 83                        | Angai              | 1896-97     | 3,870 9                | 2,166 4             | 1,704 5     | 1,161 10    | 116 10   | 426 25   |
|                           |                    | Total...    | 15,480 36              | 8,664 14            | 6,816 22    | 4,644 1     | 458 16   | 1,714 5  |
|                           |                    | Average...  | 3,870 9                | 2,166 4             | 1,704 5     | 1,161 0     | 114 24   | 428 21   |
|                           |                    | 1893-94     | 9,969 1                | 4,174 15            | 5,794 26    | 2,327 33    | 645 59   | 2,796 15   |
|                           |                    | 1894-95     | 9,969 1                | 4,173 2             | 5,795 39    | 2,182 23    | 1,569 39 | 1,981 20   |
| 84                        | Angai              | 1895-96     | 9,969 1                | 4,145 30            | 5,823 11    | 2,277 36    | 1,916 38 | 1,579 20   |
|                           |                    | 1896-97     | 9,637 18               | 3,869 0             | 5,828 18    | 2,266 21    | 2,108 33 | 1,415 10   |
|                           |                    | Total...    | 39,544 21              | 16,302 7            | 23,242 14   | 9,034 33    | 6,241 19 | 7,772 35   |
|                           |                    | Average...  | 9,886 5                | 4,075 22            | 5,810 23    | 2,263 29    | 1,560 15 | 1,943 9  |
|                           |                    | 1893-94     | 6,402 34               | 1,368 19            | 5,034 15    | 2,671 10    | 518 5    | 1,815 0  |
| 85                        | Angai              | 1894-95     | 6,408 17               | 1,339 33            | 5,068 24    | 1,345 1     | 3,540 8  | 183 15   |
|                           |                    | 1895-96     | 6,408 22               | 1,311 13            | 5,097 9     | 1,862 9     | 2,310 0  | 925 0  |
|                           |                    | 1896-97     | 6,410 28               | 1,215 34            | 5,154 34    | 1,726 17    | 3,695 27 | 932 36   |
|                           |                    | Total...    | 25,630 21              | 5,275 19            | 20,255 2    | 7,604 37    | 9,494 0  | 3,256 5  |
|                           |                    | Average...  | 6,407 25               | 1,318 35            | 5,083 30    | 1,901 9     | 2,373 20 | 814 1  |

\* Contains cultivation in portions of hilly tracts accounted for in Form XVII.

† Contains cultivation in portions of hilly tracts accounted for in Form XVII.

## APPENDIX XIII-B—continued.

| No. on Appendix III-A. | Names of Villages.                | Total Area.                             | Uncultivable Waste. | Cultivable Land. | Unoccupied. | OCCUPIED.   |            | Percentage of unoccupied cultivable land to cultivable area. |       |
|------------------------|-----------------------------------|---|---------------------|------------------|-------------|-------------|------------|--|-------|
|                        |                                   |   |                     |                  |             | Cultivable. | Fallow.    |  |       |
|                        |                                   | A. g.                                   | A. g.               | A. g.            | A. g.       | A. g.       | A. g.      | A. g.  |       |
| 84                     | Ba-ham Fakir                      | 1893-94                                 | 5,527 7             | 3,788 32         | 1,738 15    | 997 32      | 236 35     | 503 30   | 57 16 |
|                        |                                   | 1894-95                                 | 5,527 7             | 3,788 30         | 1,738 17    | 711 13      | 953 24     | 73 20  | 49 37 |
|                        |                                   | 1895-96                                 | 5,527 7             | 3,788 32         | 1,738 15    | 840 24      | 369 21     | 528 0  | 48 16 |
|                        |                                   | 1896-97                                 | 5,527 7             | 3,767 26         | 1,759 21    | 802 23      | 500 23     | 456 5  | 45 25 |
|                        |                                   | Total...                                | 22,108 28           | 15,134 0         | 6,974 28    | 3,552 32    | 2,060 21   | 1,561 15   |       |
|                        | Average...                        | 5,527 7                                 | 3,783 20            | 1,743 27         | 888 8       | 515 5       | 396 14     | 48 4   |       |
| 85                     | Chhini                            | 1893-94                                 | 3,895 9             | 292 37           | 3,602 12    | 2,761 23    | 835 22     | 1,002 37   | 62 33 |
|                        |                                   | 1894-95                                 | 3,895 35            | 280 4            | 3,615 31    | 1,730 4     | 1,884 22   | 71 5   | 47 34 |
|                        |                                   | 1895-96                                 | 3,895 35            | 284 33           | 3,611 2     | 2,758 14    | 853 28     | 569 0  | 57 0  |
|                        |                                   | 1896-97                                 | 3,895 35            | 277 10           | 3,618 25    | 1,997 6     | 1,621 27   | 449 32   | 52 16 |
|                        |                                   | Total...                                | 15,586 31           | 1,135 4          | 12,445 30   | 7,347 17    | 4,405 19   | 2,092 34   |       |
|                        | Average...                        | 3,895 9                                 | 283 31              | 3,611 18         | 1,836 34    | 1,101 15    | 523 9      | 55 1   |       |
|                        | Total Johi dehs                   | 1893-94                                 | 289,100 7           | 61,254 37        | 227,845 10  | 92,399 58   | 49,682 9   | 82,510 0   | 41 5  |
|                        |                                   | 1894-95                                 | 289,821 17          | 61,490 30        | 228,331 27  | 74,310 23   | 90,030 6   | 60,912 10  | 32 39 |
|                        |                                   | 1895-96                                 | 289,980 24          | 65,763 16        | 224,217 8   | 90,258 31   | 57,988 19  | 75,943 17  | 40 10 |
|                        |                                   | 1896-97                                 | 289,915 13          | 64,370 28        | 225,544 25  | 86,076 31   | 71,757 4   | 67,688 3   | 38 6  |
|                        |                                   | Total...                                | 1,158,817 21        | 258,828 31       | 900,018 30  | 343,135 35  | 269,457 38 | 287,053 30   |       |
|                        | Average...                        | 289,711 35                              | 61,707 8            | 225,004 27       | 85,783 39   | 67,364 19   | 71,763 17  | 38 5   |       |
|                        | Group II.                         | Dehs transferred from the Kakur Taluka. |                     |                  |             |             |            |  |       |
|                        |                                   | 1893-94                                 | 3,188 16            | 198 21           | 2,989 35    | 1,177 25    | 1,037 25   | 74 25  | 39 16 |
|                        |                                   | 1894-95                                 | 3,188 16            | 198 21           | 2,989 35    | 1,150 33    | 1,279 12   | 559 30   | 38 20 |
|                        |                                   | 1895-96                                 | 3,188 16            | 198 21           | 2,989 35    | 1,122 19    | 1,227 1    | 640 15   | 37 22 |
|                        |                                   | 1896-97                                 | 3,188 16            | 198 21           | 2,989 35    | 1,107 14    | 1,383 21   | 499 0  | 37 1  |
| 86                     | Tor                               | Total                                   | 12,753 24           | 794 4            | 11,959 20   | 4,558 11    | 4,927 19   | 2,478 20   |       |
|                        |                                   | Average...                              | 3,188 16            | 198 21           | 2,989 35    | 1,139 22    | 1,231 35   | 618 18   | 38 5  |
|                        |                                   | 1893-94                                 | 2,334 0             | 238 13           | 2,095 27    | 711 0       | 533 25     | 851 2  | 33 37 |
|                        |                                   | 1894-95                                 | 2,334 0             | 238 13           | 2,095 27    | 681 20      | 590 15     | 823 32   | 32 21 |
|                        |                                   | 1895-96                                 | 2,334 0             | 238 13           | 2,095 27    | 681 20      | 528 30     | 885 17   | 32 22 |
| 87                     | Ladho Dero ...                    | 1896-97                                 | 2,334 0             | 238 13           | 2,095 27    | 681 20      | 469 10     | 944 37   | 32 22 |
|                        |                                   | Total...                                | 9,336 0             | 953 12           | 8,382 28    | 2,755 20    | 2,122 0    | 3,505 8  |       |
|                        |                                   | Average...                              | 2,334 0             | 238 13           | 2,095 27    | 688 35      | 530 20     | 876 12   | 32 35 |
|                        |                                   | 1893-94                                 | 5,046 0             | 235 17           | 4,810 23    | 2,884 11    | 964 13     | 961 39   | 59 38 |
|                        |                                   | 1894-95                                 | 5,046 0             | 235 17           | 4,810 23    | 2,919 10    | 1,102 10   | 789 3  | 60 27 |
| 88                     | Rajo Dero ...                     | 1895-96                                 | 5,046 0             | 235 17           | 4,810 23    | 2,919 24    | 973 10     | 917 29   | 60 27 |
|                        |                                   | 1896-97                                 | 5,046 0             | 235 17           | 4,810 23    | 2,788 0     | 1,064 26   | 957 37   | 57 38 |
|                        |                                   | Total...                                | 20,184 0            | 941 28           | 19,242 12   | 11,511 5    | 4,104 19   | 3,626 28   |       |
|                        |                                   | Average...                              | 5,046 0             | 235 17           | 4,810 23    | 2,877 31    | 1,026 5    | 906 27   | 59 38 |
|                        |                                   | 1893-94                                 | 2,293 37            | 67 17            | 2,226 20    | 1,313 25    | 434 11     | 478 24   | 59 0  |
| 89                     | Kasbo                             | 1894-95                                 | 2,422 30            | 77 4             | 2,345 26    | 1,313 25    | 527 33     | 504 8  | 56 0  |
|                        |                                   | 1895-96                                 | 2,422 30            | 77 4             | 2,345 26    | 1,313 25    | 387 10     | 644 31   | 56 0  |
|                        |                                   | 1896-97                                 | 2,422 30            | 77 4             | 2,345 26    | 1,313 25    | 435 28     | 596 13   | 56 0  |
|                        |                                   | Total...                                | 9,562 7             | 298 29           | 9,263 18    | 5,254 20    | 1,785 2    | 2,223 36   |       |
|                        |                                   | Average...                              | 2,390 22            | 74 27            | 2,315 35    | 1,313 25    | 446 11     | 555 39   | 56 29 |
|                        | Total of 2nd Group of Kakur dehs. | 1893-94                                 | 12,862 13           | 739 28           | 12,122 35   | 6,086 21    | 2,969 34   | 3,066 10   | 50 8  |
|                        |                                   | 1894-95                                 | 12,991 6            | 749 15           | 12,241 31   | 6,065 8     | 3,490 30   | 2,676 33   | 49 22 |
|                        |                                   | 1895-96                                 | 12,991 6            | 749 15           | 12,241 31   | 6,037 8     | 3,116 11   | 3,088 12   | 49 13 |
|                        |                                   | 1896-97                                 | 12,991 6            | 749 15           | 12,241 31   | 5,890 19    | 3,353 5    | 2,998 7  | 48 5  |
|                        |                                   | Total...                                | 51,835 31           | 2,987 33         | 28,847 38   | 24,079 16   | 12,939 0   | 11,829 22  |       |
|                        | Average...                        | 12,958 38                               | 746 38              | 12,212 0         | 6,019 34    | 3,234 30    | 2,957 16   | 49 12  |       |

## APPENDIX XIII-B—concluded.

| No. on Appendix<br>III-A. | Names of Villages.                               | Total Area. | Uncultivable<br>Waste. | Cultivable<br>Land. | Unoccupied. | OCCUPIED.   |            | Percentage of un-<br>occupied<br>cultivable<br>land to<br>cultivable<br>area. |
|---------------------------|--|-------------|------------------------|---------------------|-------------|-------------|------------|---|
|                           |  |             |                        |                     |             | Cultivable. | Fallow.    |   |
|                           |  | A. g.       | A. g.                  | A. g.               | A. g.       | A. g.       | A. g.      | A. g.   |
| <b>Group III.</b>         |  |             |                        |                     |             |             |            |   |
| 92                        | Kot Bajo   | 1893-94     | 2,200 37               | 55 22               | 2,145 15    | 1,326 12    | 741 37     | 74 5  |
|                           |  | 1894-95     | 2,200 33               | 57 1                | 2,143 33    | 1,432 8     | 499 13     | 161 15  |
|                           |  | 1895-96     | 2,200 37               | 57 29               | 2,143 8     | 1,667 6     | 80 32      | 35 10   |
|                           |  | 1896-97     | 2,200 37               | 57 29               | 2,143 8     | 1,679 8     | 121 5      | 342 35  |
|                           |  | Total...    | 8,803 28               | 228 1               | 8,575 27    | 6,164 35    | 1,437 7    | 973 25  |
|                           |  | Average...  | 2,200 37               | 57 0                | 2,143 37    | 1,541 9     | 359 12     | 243 16  |
| 93                        | Thariri Jado<br>Shahid.                          | 1893-94     | 2,510 24               | 94 14               | 2,416 10    | 1,841 14    | 340 0      | 25 36   |
|                           |  | 1894-95     | 2,507 4                | 113 22              | 2,393 22    | 1,223 2     | 810 38     | 33 23   |
|                           |  | 1895-96     | 2,507 4                | 117 7               | 2,389 37    | 1,483 20    | 596 4      | 30 13   |
|                           |  | 1896-97     | 2,507 2                | 118 28              | 2,388 14    | 1,630 0     | 318 13     | 40 1  |
|                           |  | Total...    | 10,031 34              | 443 31              | 9,588 3     | 6,177 36    | 2,674 15   | 135 32  |
|                           |  | Average...  | 2,507 39               | 110 38              | 2,397 1     | 1,544 19    | 518 24     | 33 38   |
|                           | Total of 3rd<br>Group of Ka-<br>kar dehs.        | 1893-94     | 4,711 21               | 149 36              | 4,561 25    | 3,167 27    | 1,093 37   | 300 1   |
|                           |  | 1894-95     | 4,708 1                | 170 23              | 4,537 18    | 2,715 10    | 1,361 11   | 530 37  |
|                           |  | 1895-96     | 4,708 1                | 171 31              | 4,537 5     | 3,150 23    | 676 36     | 765 23  |
|                           |  | 1896-97     | 4,707 39               | 176 17              | 4,531 22    | 3,309 8     | 430 18     | 712 33  |
|                           |  | Total...    | 18,835 22              | 671 92              | 18,163 30   | 12,342 31   | 3,511 22   | 2,309 17  |
|                           |  | Average...  | 4,708 35               | 167 38              | 4,540 37    | 3,085 28    | 877 35     | 577 14  |
|                           | Total of 2nd<br>and 3rd Groups<br>of Kakar dehs. | 1893-94     | 17,573 31              | 889 21              | 16,684 10   | 9,214 8     | 4,068 31   | 3,336 11  |
|                           |  | 1894-95     | 17,699 7               | 919 38              | 16,779 9    | 8,780 11    | 4,801 1    | 3,197 30  |
|                           |  | 1895-96     | 17,699 7               | 924 11              | 16,774 36   | 9,187 34    | 3,793 7    | 3,793 35  |
|                           |  | 1896-97     | 17,699 5               | 925 32              | 16,773 13   | 9,199 27    | 3,792 23   | 3,781 3   |
|                           |  | Total...    | 70,671 13              | 3,659 25            | 67,011 28   | 36,422 7    | 16,450 23  | 14,138 39   |
|                           |  | Average...  | 17,667 33              | 914 36              | 16,752 37   | 9,105 24    | 4,112 25   | 3,534 30  |
|                           | Grand Total<br>Johi and Ka-<br>kar dehs.         | 1893-94     | 306,674 1              | 65,144 21           | 241,529 20  | 101,743 36  | 53,746 0   | 85,676 11   |
|                           |  | 1894-95     | 307,520 24             | 65,419 28           | 242,100 36  | 83,091 1    | 94,831 7   | 64,110 0  |
|                           |  | 1895-96     | 307,679 31             | 66,627 27           | 241,052 4   | 99,446 27   | 61,781 26  | 79,737 12   |
|                           |  | 1896-97     | 307,644 18             | 65,296 20           | 242,347 38  | 95,276 18   | 75,549 27  | 71,469 6  |
|                           |  | Total...    | 1,229,518 34           | 262,488 16          | 967,030 18  | 379,558 2   | 285,908 20 | 301,192 29  |
|                           |  | Average...  | 307,379 29             | 65,622 4            | 241,757 25  | 94,889 21   | 71,477 5   | 75,298 7  |

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind



## APPENDIX

Statement showing cultivated land in each surveyed village of taluka Johi under each kind of with the assessment thereon.

| No.              | Name of Village.  | Year.        | KHARIF.   |             |             |             |         |             |                     |             |          |             |
|------------------|-------------------|--------------|---|-------------|-------------|-------------|---------|-------------|---------------------|-------------|----------|-------------|
|                  |                   |              | RICE UNDER FLOW.  |             | OTHER FLOW. |             | LIFT.   |             | LIFT AIDED BY FLOW. |             | BARANI.  |             |
|                  |                   |              | Area.   | Assessment. | Area.       | Assessment. | Area.   | Assessment. | Area.               | Assessment. | Area.    | Assessment. |
|                  |                   |              | A. g.   | Rs. a.      | A. g.       | Rs. a.      | A. g.   | Rs. a.      | A. g.               | Rs. a.      | A. g.    | Rs. a.      |
| <i>Group II.</i> |                   |              | Dehs under revision Settlement (from 1878-79) subsequently transferred from Dadu Taluka in 1884-85. |             |             |             |         |             |                     |             |          |             |
| 1                | Kur Jamik         | 1st year ... | 1878-79   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | 9th " ...    | 1886-87   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | Last " ...   | 1892-93   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | Total ...    | ...   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | Average ...  | ...   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
| 2                | Jampur Pah-warki. | 1st year ... | 1878-79   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | 9th " ...    | 1886-87   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | Last " ...   | 1892-93   | ...         | ...         | 37 15       | 74 0    | 16 15       | 30 0                | ...         | ...      | ...         |
|                  |                   | Total ...    | ...   | ...         | ...         | 37 15       | 74 0    | 16 15       | 30 0                | ...         | ...      | ...         |
|                  |                   | Average ...  | ...   | ...         | ...         | 12 18       | 24 11   | 5 15        | 10 0                | ...         | ...      | ...         |
| 3                | Vageji            | 1st year ... | 1878-79   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | 9th " ...    | 1886-87   | 170 15      | 304 1       | 313 25      | 743 3   | 84 10       | 103 4               | ...         | ...      | ...         |
|                  |                   | Last " ...   | 1892-93   | 267 10      | 581 0       | 113 30      | 258 15  | 354 10      | 771 11              | ...         | ...      | ...         |
|                  |                   | Total ...    | ...   | 437 25      | 975 1       | 427 15      | 1,002 2 | 438 20      | 944 15              | ...         | ...      | ...         |
|                  |                   | Average ...  | ...   | 145 35      | 325 0       | 142 18      | 334 1   | 145 7       | 311 10              | ...         | ...      | ...         |
| 4                | Johi...           | 1st year ... | 1878-79   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | 9th " ...    | 1886-87   | 187 13      | 309 10      | 291 25      | 583 3   | 301 15      | 638 13              | ...         | 3,818 2  | 2,878 0     |
|                  |                   | Last " ...   | 1892-93   | 61 33       | 144 1       | 138 35      | 313 5   | 1740 12     | 4,517 1             | ...         | 173 26   | 279 8       |
|                  |                   | Total ...    | ...   | 249 6       | 543 11      | 430 20      | 896 8   | 1,404 30    | 2,818 6             | ...         | 2,491 28 | 3,157 8     |
|                  |                   | Average ...  | ...   | 83 2        | 181 4       | 143 20      | 298 13  | 468 23      | 939 7               | ...         | 830 23   | 1,052 8     |
| 5                | Dara Maohhi       | 1st year ... | 1878-79   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | 9th " ...    | 1886-87   | 497 30      | 1,455 0     | 2 10        | 5 0     | 188 20      | 246 0               | 16 2        | 16 1     | ...         |
|                  |                   | Last " ...   | 1892-93   | 749 30      | 2,208 9     | 27 27       | 57 4    | 402 39      | 520 7               | ...         | ...      | ...         |
|                  |                   | Total ...    | ...   | 1,246 0     | 752 2       | 292 1       | 607 6   | 277 25      | 601 1               | ...         | ...      | ...         |
|                  |                   | Average ...  | ...   | 1,435 29    | 4,415 11    | 291 88      | 669 10  | 869 4       | 1,577 8             | 16 2        | 16 1     | ...         |
| 6                | Gaha              | 1st year ... | 1878-79   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | 9th " ...    | 1886-87   | 63 5        | 151 0       | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | Last " ...   | 1892-93   | 488 33      | 1,262 1     | 134 27      | 275 1   | 12 15       | 24 12               | ...         | ...      | ...         |
|                  |                   | Total ...    | ...   | 329 10      | 818 6       | 161 15      | 403 12  | 109 15      | 212 5               | ...         | ...      | ...         |
|                  |                   | Average ...  | ...   | 881 8       | 2,231 7     | 296 2       | 678 13  | 121 30      | 237 1               | ...         | ...      | ...         |
| 7                | Abad              | 1st year ... | 1878-79   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | 9th " ...    | 1886-87   | 613 10      | 1,700 0     | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | Last " ...   | 1892-93   | 2,021 13    | 5,607 13    | 88 5        | 182 15  | 62 15       | 143 9               | ...         | ...      | ...         |
|                  |                   | Total ...    | ...   | 1,682 10    | 4,713 9     | 160 30      | 363 7   | 8 20        | 20 0                | ...         | ...      | ...         |
|                  |                   | Average ...  | ...   | 4,316 38    | 12,021 8    | 243 25      | 546 6   | 70 55       | 163 9               | ...         | ...      | ...         |
| 8                | Chana             | 1st year ... | 1878-79   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | 9th " ...    | 1886-87   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | Last " ...   | 1892-93   | 190 10      | 468 0       | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | Total ...    | ...   | 1,724 4     | 4,188 3     | 125 30      | 275 7   | 53 16       | 123 10              | ...         | ...      | ...         |
|                  |                   | Average ...  | ...   | 1,188 33    | 3,125 4     | 124 8       | 288 2   | 92 23       | 236 15              | ...         | ...      | ...         |
| 9                | Kharichh          | 1st year ... | 1878-79   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | 9th " ...    | 1886-87   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | Last " ...   | 1892-93   | ...         | ...         | ...         | ...     | ...         | ...                 | ...         | ...      | ...         |
|                  |                   | Total ...    | ...   | 2,466 35    | 6,997 6     | 53 25       | 147 2   | 93 25       | 223 4               | ...         | ...      | ...         |
|                  |                   | Average ...  | ...   | 2,010 25    | 5,703 4     | 89 20       | 210 12  | 83 10       | 196 0               | ...         | ...      | ...         |

\* Include 2 acres 16 guntas assessed at Rs. 4-4-0 on account of gardens, etc.

† Include 3 acres 28 guntas assessed at Rs. 7-9-0 on account of gardens, etc.

## XIV-A.

irrigation for the first, middle and last year for the Settlement current in them up to 1892-93\*

| RABI. |              |         |             |                     |              |          |            |         |              |        |              | TOTAL.   |             |
|-------|--------------|---------|-------------|---------------------|--------------|----------|------------|---------|--------------|--------|--------------|----------|-------------|
| FLOW. |              | LIFT.   |             | LIFT AIDED BY FLOW. |              | SARAB.   |            | BARANI. |              | CHANI. |              |          |             |
| Area. | Assess-ment. | Area.   | Assessment. | Area.               | Assess-ment. | Area.    | Assessment | Area.   | Assess-ment. | Area.  | Assess-ment. | Area.    | Assessment. |
| A. g. | Rs. a.       | A. g.   | Rs. a.      | A. g.               | Rs. a.       | A. g.    | Rs. a.     | A. g.   | Rs. a.       | A. g.  | Rs. a.       | A. g.    | Rs. a.      |
| ...   | ...          | ...     | ...         | ...                 | ...          | 2,727 3  | 4,505 11   | ...     | ...          | ...    | ...          | 2,727 3  | 4,505 11    |
| ...   | ...          | 50 25   | 82 0        | ...                 | ...          | 4 2      | 5 0        | ...     | ...          | ...    | ...          | 54 27    | 87 0        |
| ...   | ...          | 50 25   | 82 0        | ...                 | ...          | 2,731 5  | 4,510 11   | ...     | ...          | ...    | ...          | 2,731 30 | 4,532 11    |
| ...   | ...          | 16 35   | 27 5        | ...                 | ...          | 910 15   | 1,563 9    | ...     | ...          | ...    | ...          | 927 10   | 1,530 14    |
| ...   | ...          | ...     | ...         | ...                 | ...          | 2,018 18 | 3,392 11   | ...     | ...          | ...    | ...          | 2,018 18 | 3,392 11    |
| ...   | ...          | ...     | ...         | ...                 | ...          | 465 25   | 806 0      | ...     | ...          | ...    | ...          | 519 15   | 910 0       |
| ...   | ...          | ...     | ...         | ...                 | ...          | 2,484 3  | 4,198 11   | ...     | ...          | ...    | ...          | 2,537 33 | 4,302 11    |
| ...   | ...          | ...     | ...         | ...                 | ...          | 828 1    | 1,399 9    | ...     | ...          | ...    | ...          | 845 38   | 1,434 4     |
| ...   | ...          | ...     | ...         | ...                 | ...          | ...      | ...        | ...     | ...          | ...    | ...          | ...      | ...         |
| ...   | ...          | 130 10  | 289 14      | ...                 | ...          | 16 5     | 20 2       | ...     | ...          | ...    | ...          | 714 25   | 1,610 8     |
| ...   | ...          | ...     | ...         | ...                 | ...          | 928 20   | 1,728 14   | ...     | ...          | ...    | ...          | 1,663 30 | 3,340 8     |
| ...   | ...          | 130 10  | 289 14      | ...                 | ...          | 944 25   | 1,749 0    | ...     | ...          | ...    | ...          | 2,378 15 | 4,951 0     |
| ...   | ...          | 43 17   | 96 10       | ...                 | ...          | 314 35   | 583 0      | ...     | ...          | ...    | ...          | 792 32   | 1,650 5     |
| ...   | ...          | ...     | ...         | ...                 | ...          | 1,652 38 | 2,903 1    | ...     | ...          | 2 20   | 0 0          | 4,310 0  | 6,439 9     |
| ...   | ...          | 55 2    | 117 13      | ...                 | ...          | 1 25     | 2 13       | ...     | ...          | ...    | ...          | 837 22   | 1,752 4     |
| ...   | ...          | 133 15  | 229 8       | ...                 | ...          | 1,375 8  | 2,708 13   | ...     | ...          | ...    | ...          | 2,623 10 | 5,281 4     |
| ...   | ...          | 188 17  | 346 5       | ...                 | ...          | 3,029 31 | 5,704 11   | ...     | ...          | 2 20   | 6 0          | 7,800 32 | 13,473 1    |
| ...   | ...          | 62 23   | 115 7       | ...                 | ...          | 1,000 37 | 1,901 9    | ...     | ...          | 0 33   | 2 0          | 2,600 11 | 4,491 0     |
| ...   | ...          | ...     | ...         | 16 2                | 16 1         | 1,558 27 | 2,959 11   | ...     | ...          | ...    | ...          | 2,259 21 | 4,697 13    |
| ...   | ...          | 31 30   | 75 8        | ...                 | ...          | ...      | ...        | ...     | ...          | ...    | ...          | 1,212 15 | 3,071 12    |
| ...   | ...          | 237 10  | 518 0       | ...                 | ...          | 572 24   | 1,208 12   | ...     | ...          | ...    | ...          | 1,537 20 | 3,687 5     |
| ...   | ...          | 269 0   | 593 8       | 16 2                | 16 1         | 2,111 11 | 4,168 7    | ...     | ...          | ...    | ...          | 5,009 16 | 11,456 14   |
| ...   | ...          | 89 27   | 197 13      | 5 14                | 5 6          | 703 30   | 1,359 8    | ...     | ...          | ...    | ...          | 1,669 32 | 3,818 15    |
| ...   | ...          | ...     | ...         | ...                 | ...          | 132 39   | 275 6      | ...     | ...          | ...    | ...          | 196 4    | 426 6       |
| ...   | ...          | ...     | ...         | ...                 | ...          | 6 0      | 12 19      | ...     | ...          | ...    | ...          | 641 35   | 1,574 8     |
| ...   | ...          | 91 0    | 194 12      | ...                 | ...          | 139 25   | 305 6      | ...     | ...          | ...    | ...          | 830 25   | 1,931 9     |
| ...   | ...          | 91 0    | 194 12      | ...                 | ...          | 278 24   | 593 6      | ...     | ...          | ...    | ...          | 1,668 24 | 3,935 7     |
| ...   | ...          | 30 13   | 64 13       | ...                 | ...          | 92 35    | 197 13     | ...     | ...          | ...    | ...          | 556 8    | 1,311 18    |
| ...   | ...          | ...     | ...         | ...                 | ...          | ...      | ...        | ...     | ...          | ...    | ...          | ...      | ...         |
| ...   | ...          | 30 35   | 44 6        | ...                 | ...          | 24 27    | 54 2       | ...     | ...          | ...    | ...          | 613 10   | 1,700 0     |
| ...   | ...          | 59 20   | 151 0       | ...                 | ...          | 430 30   | 1,021 13   | ...     | ...          | ...    | ...          | 2,222 15 | 6,032 13    |
| ...   | ...          | ...     | ...         | ...                 | ...          | ...      | ...        | ...     | ...          | ...    | ...          | 2,341 30 | 6,269 13    |
| ...   | ...          | 90 15   | 195 4       | ...                 | ...          | 455 17   | 1,075 15   | ...     | ...          | ...    | ...          | 5,177 15 | 14,002 10   |
| ...   | ...          | 30 5    | 65 2        | ...                 | ...          | 151 32   | 378 10     | ...     | ...          | ...    | ...          | 1,725 32 | 4,667 9     |
| ...   | ...          | ...     | ...         | ...                 | ...          | 91 25    | 245 8      | ...     | ...          | ...    | ...          | 281 35   | 718 8       |
| ...   | ...          | 94 27   | 263 6       | ...                 | ...          | 68 18    | 143 13     | ...     | ...          | ...    | ...          | 2,066 15 | 5,300 7     |
| ...   | ...          | 246 5   | 608 5       | ...                 | ...          | 359 23   | 8 4        | ...     | ...          | ...    | ...          | 2,011 12 | 5,100 14    |
| ...   | ...          | 310 32  | 871 11      | ...                 | ...          | 519 26   | 1,237 9    | ...     | ...          | ...    | ...          | 4,359 22 | 11,114 13   |
| ...   | ...          | 113 34  | 296 9       | ...                 | ...          | 173 9    | 412 6      | ...     | ...          | ...    | ...          | 1,453 7  | 3,404 15    |
| ...   | ...          | 10 5    | 24 6        | ...                 | ...          | 1,251 3  | 3,431 3    | ...     | ...          | ...    | ...          | 1,261 8  | 3,425 3     |
| ...   | ...          | 197 0   | 462 0       | ...                 | ...          | 13 4     | 37 0       | ...     | ...          | ...    | ...          | 2,824 9  | 7,805 12    |
| ...   | ...          | 935 3   | 2,114 2     | ...                 | ...          | ...      | ...        | ...     | ...          | ...    | ...          | 3,118 18 | 8,224 2     |
| ...   | ...          | 1,142 8 | 2,549 2     | ...                 | ...          | 1,264 7  | 3,448 3    | ...     | ...          | ...    | ...          | 7,203 35 | 19,455 1    |
| ...   | ...          | 389 29  | 846 11      | ...                 | ...          | 421 16   | 1,146 1    | ...     | ...          | ...    | ...          | 2,401 13 | 6,485 0     |

\* A separate statement for the period 1893-94 to 1895-97 has been prepared on account of changes in deh boundaries made by revision survey.

## APPENDIX

| No.                        | Name of Village.        | Year.                   | KHARIF.          |              |             |              |          |              |                     |              |          |              |
|----------------------------|-------------------------|-------------------------|------------------|--------------|-------------|--------------|----------|--------------|---------------------|--------------|----------|--------------|
|                            |                         |                         | RICE UNDER FLOW. |              | OTHER FLOW. |              | LIFT.    |              | LIFT AIDED BY FLOW. |              | BARANI.  |              |
|                            |                         |                         | Area.            | Assess-ment. | Area.       | Assess-ment. | Area.    | Assess-ment. | Area.               | Assess-ment. | Area.    | Assess-ment. |
| Group II—contd.            |                         |                         | A. g.            | Rs. a.       | A. g.       | Rs. a.       | A. g.    | Rs. a.       | A. g.               | Rs. a.       | A. g.    | Rs. a.       |
| 10                         | Per Dhuari...           | 1st year... 1878-79 ... | 495 35           | 1,353 8      | ...         | ...          | ...      | ...          | ...                 | ...          | ...      | ...          |
|                            |                         | 9th " ... 1886-87 ...   | 743 23           | 1,993 8      | 13 22       | 23 6         | 9 0      | 15 10        | ...                 | ...          | ...      | ...          |
|                            |                         | Last " ... 1892-93 ...  | 283 15           | 808 10       | 6 5         | 8 14         | 15 25    | 43 0         | ...                 | ...          | ...      | ...          |
|                            |                         | Total ...               | 1,522 33         | 4,155 10     | 19 27       | 32 4         | 24 25    | 58 10        | ...                 | ...          | ...      | ...          |
|                            |                         | Average...              | 507 24           | 1,385 3      | 6 22        | 10 12        | 8 8      | 19 9         | ...                 | ...          | ...      | ...          |
| Total of 2nd Group.        | 1st year... 1878-79 ... | 1,860 10                | 5,127 8          | 2 10         | 5 0         | 555 10       | 898 8    | 16 2         | 16 1                | 2,318 2      | 2,878 0  |              |
|                            | 9th " ... 1886-87 ...   | 8,552 15                | 23,451 3         | 1,043 26     | 2,287 9     | 1,019 37     | 2,072 5  | ...          | ...                 | 173 26       | 279 8    |              |
|                            | Last " ... 1892-93 ...  | 6,011 16                | 16,646 4         | 1,093 39     | 2,528 9     | 1,697 36     | 3,628 1  | ...          | ...                 | ...          | ...      |              |
|                            | Total ...               | 16,424 1                | 45,124 15        | 2,139 35     | 4,821 2     | 3,273 3      | 6,598 14 | 16 2         | 16 1                | 2,491 28     | 3,157 8  |              |
|                            | Average...              | 5,474 27                | 15,041 10        | 713 12       | 1,607 1     | 1,091 1      | 2,199 10 | 5 14         | 5 6                 | 830 23       | 1,052 8  |              |
| Group III.                 |                         |                         |                  |              |             |              |          |              |                     |              |          |              |
| 11                         | Phulji                  | 1st year... 1878-79 ... | ...              | ...          | ...         | ...          | ...      | ...          | ...                 | ...          | 3,658 11 | 4,541 5      |
|                            |                         | 9th " ... 1886-87 ...   | 36 5             | 59 11        | ...         | ...          | 9 0      | 16 5         | ...                 | ...          | ...      | ...          |
|                            |                         | Last " ... 1892-93 ...  | 7 20             | 18 0         | ...         | ...          | 8 8      | 14 8         | ...                 | ...          | 431 28   | 628 8        |
|                            |                         | Total ...               | 43 25            | 77 11        | ...         | ...          | 17 8     | 30 13        | ...                 | ...          | 4,089 39 | 5,169 13     |
|                            |                         | Average...              | 14 22            | 25 11        | ...         | ...          | 5 29     | 10 4         | ...                 | ...          | 1,363 13 | 1,723 4      |
| 12                         | Shah Morio...           | 1st year... 1878-79 ... | ...              | ...          | 306 10      | 732 11       | 24 20    | 41 5         | ...                 | ...          | ...      | ...          |
|                            |                         | 9th " ... 1886-87 ...   | ...              | ...          | 252 35      | 473 2        | 218 13   | 374 10       | ...                 | ...          | ...      | ...          |
|                            |                         | Last " ... 1892-93 ...  | ...              | ...          | ...         | ...          | ...      | ...          | ...                 | ...          | ...      | ...          |
|                            |                         | Total ...               | ...              | ...          | 649 5       | 1,205 13     | 242 33   | 415 15       | ...                 | ...          | ...      | ...          |
|                            |                         | Average...              | ...              | ...          | 216 15      | 401 15       | 80 38    | 138 10       | ...                 | ...          | ...      | ...          |
| 13                         | Mothiri                 | 1st year... 1878-79 ... | ...              | ...          | ...         | ...          | ...      | ...          | ...                 | ...          | ...      | ...          |
|                            |                         | 9th " ... 1886-87 ...   | ...              | ...          | ...         | ...          | 4 35     | 7 0          | ...                 | ...          | ...      | ...          |
|                            |                         | Last " ... 1892-93 ...  | ...              | ...          | ...         | ...          | 35 35    | 60 5         | ...                 | ...          | ...      | ...          |
|                            |                         | Total ...               | ...              | ...          | ...         | ...          | 40 30    | 67 5         | ...                 | ...          | ...      | ...          |
|                            |                         | Average...              | ...              | ...          | ...         | ...          | 13 23    | 22 7         | ...                 | ...          | ...      | ...          |
| 14                         | Khat                    | 1st year... 1878-79 ... | ...              | ...          | 71 17       | 125 0        | 103 18   | 187 8        | ...                 | ...          | ...      | ...          |
|                            |                         | 9th " ... 1886-87 ...   | ...              | ...          | ...         | ...          | 212 5    | 383 0        | ...                 | ...          | ...      | ...          |
|                            |                         | Last " ... 1892-93 ...  | ...              | ...          | ...         | ...          | ...      | ...          | ...                 | ...          | ...      | ...          |
|                            |                         | Total ...               | ...              | ...          | 71 17       | 125 0        | 315 23   | 570 8        | ...                 | ...          | ...      | ...          |
|                            |                         | Average...              | ...              | ...          | 23 32       | 41 10        | 105 8    | 190 3        | ...                 | ...          | ...      | ...          |
| 15                         | * Bahawalpur            | 1st year... 1878-79 ... | ...              | ...          | ...         | ...          | ...      | ...          | ...                 | ...          | ...      | ...          |
|                            |                         | 9th " ... 1886-87 ...   | ...              | ...          | ...         | ...          | ...      | ...          | ...                 | ...          | ...      | ...          |
|                            |                         | Last " ... 1892-93 ...  | ...              | ...          | ...         | ...          | 592 15   | 1,391 0      | ...                 | ...          | ...      | ...          |
|                            |                         | Total ...               | ...              | ...          | ...         | ...          | 592 15   | 1,391 0      | ...                 | ...          | ...      | ...          |
|                            |                         | Average...              | ...              | ...          | ...         | ...          | 197 18   | 463 11       | ...                 | ...          | ...      | ...          |
| Total of 3rd Group.        | 1st year... 1878-79 ... | 36 5                    | 59 11            | 467 27       | 857 11      | 141 33       | 252 2    | ...          | ...                 | 3,658 11     | 4,541 5  |              |
|                            | 9th " ... 1886-87 ...   | ...                     | ...              | ...          | ...         | ...          | ...      | ...          | ...                 | ...          | ...      |              |
|                            | Last " ... 1892-93 ...  | 7 20                    | 18 0             | 252 35       | 473 2       | 1,056 36     | 2,223 7  | ...          | ...                 | 431 28       | 628 8    |              |
|                            | Total ...               | 43 25                   | 77 11            | 720 23       | 1,330 13    | 1,298 29     | 2,475 9  | ...          | ...                 | 4,089 39     | 5,169 13 |              |
|                            | Average...              | 14 22                   | 25 14            | 240 7        | 443 10      | 402 36       | 825 3    | ...          | ...                 | 1,363 13     | 1,723 4  |              |
| Total of 2nd & 3rd Groups. | 1st year... 1878-79 ... | 1,860 10                | 5,127 8          | 2 10         | 5 0         | 555 10       | 898 8    | 16 2         | 16 1                | 5,976 13     | 7,419 5  |              |
|                            | 9th " ... 1886-87 ...   | 8,588 20                | 23,410 14        | 1,511 13     | 3,115 4     | 1,161 30     | 2,324 7  | ...          | ...                 | 605 14       | 908 0    |              |
|                            | Last " ... 1892-93 ...  | 6,018 36                | 16,664 4         | 1,346 34     | 3,001 11    | 2,764 32     | 5,851 8  | ...          | ...                 | ...          | ...      |              |
|                            | Total...                | 16,467 26               | 45,202 10        | 2,860 17     | 6,151 15    | 4,481 32     | 9,074 7  | 16 2         | 16 1                | 6,581 27     | 8,327 5  |              |
|                            | Average...              | 5,489 9                 | 15,067 9         | 953 19       | 2,050 10    | 1,493 37     | 3,024 13 | 5 14         | 5 6                 | 2,193 36     | 2,775 12 |              |

\* This deh was formerly a jagir village and became rayati in 1892-93.

## XIV-A--continued.

| RABI. |              |          |              |                     |              |           |              |         |              |        |              |           |              | TOTAL.  |              |
|-------|--------------|----------|--------------|---------------------|--------------|-----------|--------------|---------|--------------|--------|--------------|-----------|--------------|---------|--------------|
| FLOW. |              | LIET.    |              | LIET AIDED BY FLOW. |              | SAILAB.   |              | BARANI. |              | CHANI. |              |           |              |         |              |
| Area. | Assess-ment. | Area.    | Assess-ment. | Area.               | Assess-ment. | Area.     | Assess-ment. | Area.   | Assess-ment. | Area.  | Assess-ment. | Area.     | Assess-ment. | Area.   | Assess-ment. |
| A. g. | Rs. a.       | A. g.    | Rs. a.       | A. g.               | Rs. a.       | A. g.     | Rs. a.       | A. g.   | Rs. a.       | A. g.  | Rs. a.       | A. g.     | Rs. a.       | A. g.   | Rs. a.       |
| ...   | ...          | ...      | ...          | ...                 | ...          | 419 38    | 776 1.       | ...     | ...          | ...    | ...          | 915 33    | 2,129 9      | ...     | ...          |
| 28 5  | 59 0         | ...      | ...          | ...                 | ...          | 252 0     | 636 0        | ...     | ...          | ...    | ...          | 766 5     | 2,032 8      | ...     | ...          |
| 28 5  | 59 0         | ...      | ...          | ...                 | ...          | 671 38    | 1,412 1      | ...     | ...          | ...    | ...          | 585 10    | 1,555 8      | ...     | ...          |
| 9 15  | 19 11        | ...      | ...          | ...                 | ...          | 223 30    | 470 11       | ...     | ...          | ...    | ...          | ...       | ...          | 2,267 8 | 5,717 9      |
| ...   | ...          | 10 5     | 24 0         | 16 2                | 16 1         | 9,832 31  | 18,459 4     | ...     | ...          | 2 20   | 6 0          | 14,613 12 | 27,430 6     | ...     | ...          |
| 28 5  | 59 0         | 539 24   | 1,192 15     | ...                 | ...          | 129 39    | 276 8        | ...     | ...          | ...    | ...          | 11,285 21 | 29,180 8     | ...     | ...          |
| ...   | ...          | 1,752 38 | 3,896 11     | ...                 | ...          | 4,327 37  | 9,852 14     | ...     | ...          | ...    | ...          | 15,285 37 | 36,390 15    | ...     | ...          |
| 28 5  | 59 0         | 2,302 27 | 5,113 10     | 16 2                | 16 1         | 14,490 27 | 28,086 10    | ...     | ...          | 2 20   | 6 0          | 41,184 30 | 93,001 13    | ...     | ...          |
| 9 15  | 19 10        | 767 22   | 1,704 9      | 5 14                | 5 6          | 4,890 9   | 9,302 14     | ...     | ...          | 0 33   | 2 0          | 13,728 10 | 31,000 10    | ...     | ...          |
| ...   | ...          | ...      | ...          | ...                 | ...          | 919 11    | 1,275 0      | ...     | ...          | ...    | ...          | 4,577 22  | 5,816 5      | ...     | ...          |
| ...   | ...          | ...      | ...          | ...                 | ...          | 21 35     | 33 0         | ...     | ...          | ...    | ...          | 45 5      | 76 0         | ...     | ...          |
| ...   | ...          | ...      | ...          | ...                 | ...          | 941 6     | 1,308 0      | ...     | ...          | ...    | ...          | 469 11    | 694 0        | ...     | ...          |
| ...   | ...          | ...      | ...          | ...                 | ...          | 314 29    | 436 0        | ...     | ...          | ...    | ...          | 5,091 13  | 6,586 5      | ...     | ...          |
| ...   | ...          | ...      | ...          | ...                 | ...          | 127 20    | 242 0        | ...     | ...          | ...    | ...          | 127 20    | 242 0        | ...     | ...          |
| ...   | ...          | ...      | ...          | ...                 | ...          | 27 20     | 55 8         | ...     | ...          | ...    | ...          | 448 10    | 829 8        | ...     | ...          |
| ...   | ...          | 70 0     | 127 9        | ...                 | ...          | 308 30    | 570 12       | ...     | ...          | ...    | ...          | 840 38    | 1,546 1      | ...     | ...          |
| ...   | ...          | 70 0     | 127 9        | ...                 | ...          | 463 30    | 868 4        | ...     | ...          | ...    | ...          | 1,425 28  | 2,617 9      | ...     | ...          |
| ...   | ...          | 23 13    | 42 8         | ...                 | ...          | 154 23    | 289 7        | ...     | ...          | ...    | ...          | 475 9     | 872 8        | ...     | ...          |
| ...   | ...          | ...      | ...          | ...                 | ...          | 3,094 28  | 6,267 7      | ...     | ...          | ...    | ...          | 3,094 28  | 6,267 7      | ...     | ...          |
| ...   | ...          | 146 10   | 254 1        | ...                 | ...          | 1 3       | 2 8          | ...     | ...          | ...    | ...          | 4 35      | 7 0          | ...     | ...          |
| ...   | ...          | 146 10   | 254 1        | ...                 | ...          | 3,095 31  | 6,269 15     | ...     | ...          | ...    | ...          | 183 8     | 316 14       | ...     | ...          |
| ...   | ...          | 48 30    | 84 13        | ...                 | ...          | 1,031 37  | 2,089 15     | ...     | ...          | ...    | ...          | 3,282 31  | 6,591 5      | ...     | ...          |
| ...   | ...          | ...      | ...          | ...                 | ...          | 1,933 4   | 2,654 8      | ...     | ...          | ...    | ...          | 1,933 4   | 2,654 8      | ...     | ...          |
| ...   | ...          | 56 26    | 102 3        | ...                 | ...          | 3 20      | 9 0          | ...     | ...          | ...    | ...          | 231 21    | 414 11       | ...     | ...          |
| ...   | ...          | 336 5    | 510 0        | ...                 | ...          | ...       | ...          | ...     | ...          | ...    | ...          | 551 30    | 902 0        | ...     | ...          |
| ...   | ...          | 392 31   | 612 3        | ...                 | ...          | 1,936 24  | 2,663 8      | ...     | ...          | ...    | ...          | 2,716 15  | 3,971 3      | ...     | ...          |
| ...   | ...          | 139 37   | 204 1        | ...                 | ...          | 645 21    | 887 13       | ...     | ...          | ...    | ...          | 905 18    | 1,323 11     | ...     | ...          |
| ...   | ...          | ...      | ...          | ...                 | ...          | ...       | ...          | ...     | ...          | ...    | ...          | ...       | ...          | ...     | ...          |
| ...   | ...          | 83 15    | 668 6        | ...                 | ...          | 1,129 3   | 2,920 0      | ...     | ...          | ...    | ...          | 1,804 33  | 4,974 0      | ...     | ...          |
| ...   | ...          | 83 15    | 3 0          | ...                 | ...          | 1,119 3   | 2,920 0      | ...     | ...          | ...    | ...          | 1,804 33  | 4,974 0      | ...     | ...          |
| ...   | ...          | 27 32    | 221 0        | ...                 | ...          | 376 14    | 973 5        | ...     | ...          | ...    | ...          | 601 24    | 1,658 0      | ...     | ...          |
| ...   | ...          | ...      | ...          | ...                 | ...          | 6,074 13  | 10,438 15    | ...     | ...          | ...    | ...          | 9,732 34  | 14,980 4     | ...     | ...          |
| ...   | ...          | 56 26    | 102 3        | ...                 | ...          | 27 20     | 55 8         | ...     | ...          | ...    | ...          | 729 30    | 1,327 3      | ...     | ...          |
| ...   | ...          | 635 30   | 1,554 10     | ...                 | ...          | 1,464 11  | 3,535 4      | ...     | ...          | ...    | ...          | 3,859 0   | 8,432 15     | ...     | ...          |
| ...   | ...          | 62 16    | 1,656 13     | ...                 | ...          | 7,566 14  | 14,029 11    | ...     | ...          | ...    | ...          | 14,321 25 | 24,740 6     | ...     | ...          |
| ...   | ...          | 230 32   | 552 4        | ...                 | ...          | 2,522 5   | 4,676 9      | ...     | ...          | ...    | ...          | 4,773 35  | 8,246 12     | ...     | ...          |
| ...   | ...          | 10 5     | 24 0         | 16 2                | 16 1         | 15,907 14 | 28,898 3     | ...     | ...          | 2 20   | 6 0          | 24,346 6  | 43,416 10    | ...     | ...          |
| 28 5  | 59 0         | 596 10   | 1,295 2      | ...                 | ...          | 157 19    | 332 0        | ...     | ...          | ...    | ...          | 12,015 12 | 30,507 11    | ...     | ...          |
| ...   | ...          | 2,348 28 | 5,451 5      | ...                 | ...          | 5,992 8   | 12,808 2     | ...     | ...          | ...    | ...          | 19,144 37 | 44,823 14    | ...     | ...          |
| 28 5  | 59 0         | 2,995 3  | 6,770 7      | 16 2                | 16 1         | 22,057 1  | 42,118 5     | ...     | ...          | 2 20   | 6 0          | 55,506 15 | 1,17,742 3   | ...     | ...          |
| 9 15  | 19 11        | 998 14   | 2,256 13     | 5 14                | 5 5          | 7,352 14  | 14,039 7     | ...     | ...          | 0 33   | 2 0          | 18,502 5  | 39,247 6     | ...     | ...          |



## APPENDIX

| No.                             | Name of village. | Year.                | KHARIF.          |             |             |             |        |             |                                |             |         |             |
|---------------------------------|------------------|----------------------|------------------|-------------|-------------|-------------|--------|-------------|--------------------------------|-------------|---------|-------------|
|                                 |                  |                      | RICE UNDER FLOW. |             | OTHER FLOW. |             | LIFT.  |             | LIFT AIDED BY FLOW.            |             | BARANI. |             |
|                                 |                  |                      | Area.            | Assessment. | Area.       | Assessment. | Area.  | Assessment. | Area.                          | Assessment. | Area.   | Assessment. |
| Group II.                       |                  |                      | A. g.            | Rs. a.      | A. g.       | Rs. a.      | A. g.  | Rs. a.      | Dehs under revision settlement |             |         |             |
| 1                               | Sakhro           | 1st year ... 1877-78 | 1,618 20         | 4 714 8     | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | 9th ,, ... 1885-86   | 3,449 25         | 9,388 2     | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Last,, ... 1892-93   | ...              | ...         | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Total ...            | 5,068 5          | 14,102 10   | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Average...           | 1,689 15         | 4,700 14    | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
| 2                               | Gahi Charo       | 1st year ... 1877-78 | 1,117 25         | 3,349 0     | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | 9th ,, ... 1885-86   | 1,951 19         | 5,406 7     | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Last,, ... 1892-93   | ...              | ...         | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Total ...            | 3,069 4          | 8,755 7     | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Average...           | 1,023 1          | 2,918 8     | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
| 3                               | Adhabad (Aruni). | 1st year ... 1877-78 | ...              | ...         | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | 9th ,, ... 1885-86   | 785 20           | 2,189 10    | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Last,, ... 1892-93   | ...              | ...         | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Total ...            | 785 20           | 2,189 10    | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Average...           | 261 33           | 729 14      | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 | Total            | 1st year ... 1877-78 | 2,736 5          | 8 063 8     | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | 9th ,, ... 1885-86   | 6,186 24         | 16,981 3    | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Last,, ... 1892-93   | ...              | ...         | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Total ...            | 8,922 29         | 25,047 11   | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Average...           | 2,974 10         | 8,349 4     | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
| Dehs under temporary settlement |                  |                      |                  |             |             |             |        |             |                                |             |         |             |
| 1                               | Khan Wah         | 1st year ... 1884-85 | 150 16           | 541 3       | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | 5th ,, ... 1888-89   | 269 0            | 807 0       | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Last,, ... 1892-93   | ...              | ...         | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Total ...            | 449 16           | 1,348 3     | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Average...           | 149 32           | 446 1       | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
| 2                               | Lohri            | 1st year ... 1884-85 | ...              | ...         | 189 0       | 520 3       | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | 5th ,, ... 1888-89   | ...              | ...         | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Last,, ... 1892-93   | ...              | ...         | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Total ...            | ...              | ...         | 189 0       | 520 3       | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Average...           | ...              | ...         | 63 0        | 173 6       | ...    | ...         | ...                            | ...         | ...     | ...         |
| 3                               | Makhan Belo.     | 1st year ... 1884-85 | ...              | ...         | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | 5th ,, ... 1888-89   | 6 15             | 19 12       | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Last,, ... 1892-93   | ...              | ...         | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Total ...            | 6 15             | 19 12       | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Average...           | 2 5              | 6 9         | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
| 4                               | Shah Hasan...    | 1st year ... 1884-85 | ...              | ...         | ...         | ...         | 170 6  | 333 11      | ...                            | ...         | 8 85    | 8 14        |
|                                 |                  | 5th ,, ... 1888-89   | ...              | ...         | ...         | ...         | 104 28 | 235 14      | ...                            | ...         | *21 37  | *21 15      |
|                                 |                  | Last,, ... 1892-93   | ...              | ...         | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Total ...            | ...              | ...         | ...         | ...         | 274 34 | 619 4       | ...                            | ...         | 30 22   | 30 3        |
|                                 |                  | Average...           | ...              | ...         | ...         | ...         | 91 25  | 206 8       | ...                            | ...         | 10 11   | 10 4        |
| 5                               | Dabhri           | 1st year ... 1884-85 | ...              | ...         | ...         | ...         | 111 25 | 263 9       | ...                            | ...         | ...     | ...         |
|                                 |                  | 5th ,, ... 1888-89   | ...              | ...         | ...         | ...         | 101 1  | 234 10      | ...                            | ...         | 17 11   | 33 7        |
|                                 |                  | Last,, ... 1892-93   | ...              | ...         | ...         | ...         | ...    | ...         | ...                            | ...         | ...     | ...         |
|                                 |                  | Total ...            | ...              | ...         | ...         | ...         | 215 26 | 498 3       | ...                            | ...         | 17 11   | 33 7        |
|                                 |                  | Average...           | ...              | ...         | ...         | ...         | 71 35  | 166 1       | ...                            | ...         | 5 30    | 11 2        |

Include 5 guntas assessed at 2 annas on account of gardens, etc.

## XIV-A—continued.

| RABI.  |             |        |             |                     |             |          |             |         |             |        |             | TOTAL.    |             |
|--|-------------|--------|-------------|---------------------|-------------|----------|-------------|---------|-------------|--------|-------------|-----------|-------------|
| FLOW.  |             | LIFT.  |             | LIFT AIDED BY FLOW. |             | SAILAB.  |             | BARANI. |             | CHANI. |             | Area.     | Assessment. |
| Area.  | Assessment. | Area.  | Assessment. | Area.               | Assessment. | Area.    | Assessment. | Area.   | Assessment. | Area.  | Assessment. |           |             |
| A. g.  | Rs. a.      | A. g.  | Rs. a.      | A. g.               | Rs. a.      | A. g.    | Rs. a.      | A. g.   | Rs. a.      | A. g.  | Rs. a.      | A. g.     | Rs. a.      |
| (from 1877-78) subsequently transferred from Sehwan Taluka in 1884-85. |             |        |             |                     |             |          |             |         |             |        |             |           |             |
| ...  | ...         | ...    | ...         | ...                 | ...         | 251 30   | 861 8       | ...     | ...         | ...    | ...         | 1,870 10  | 5,579 0     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 239 10   | 786 14      | ...     | ...         | ...    | ...         | 3,688 35  | 10,175 0    |
| ...  | ...         | ...    | ...         | ...                 | ...         | 1,300 22 | 3,126 3     | ...     | ...         | ...    | ...         | 1,300 22  | 3,126 3     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 1,791 22 | 4,777 9     | ...     | ...         | ...    | ...         | 6,859 27  | 18,880 3    |
| ...  | ...         | ...    | ...         | ...                 | ...         | 597 7    | 1,592 8     | ...     | ...         | ...    | ...         | 2,286 22  | 6,293 6     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 1,123 35 | 3,413 8     | ...     | ...         | ...    | ...         | 2,241 20  | 6,762 8     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 1,215 11 | 3,698 5     | ...     | ...         | ...    | ...         | 3,166 30  | 9,241 12    |
| ...  | ...         | ...    | ...         | ...                 | ...         | 898 10   | 3,022 8     | ...     | ...         | ...    | ...         | 898 10    | 3,022 8     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 8,287 16 | 10,274 5    | ...     | ...         | ...    | ...         | 6,306 20  | 19,029 12   |
| ...  | ...         | ...    | ...         | ...                 | ...         | 1,079 5  | 3,434 12    | ...     | ...         | ...    | ...         | 2,102 7   | 6,343 4     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 1,126 0  | 3,095 0     | ...     | ...         | ...    | ...         | 1,126 0   | 3,095 0     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 661 25   | 1,885 0     | ...     | ...         | ...    | ...         | 1,447 5   | 4,074 10    |
| ...  | ...         | ...    | ...         | ...                 | ...         | 423 15   | 1,259 0     | ...     | ...         | ...    | ...         | 423 15    | 1,259 0     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 2,211 0  | 6,239 0     | ...     | ...         | ...    | ...         | 2,996 20  | 8,428 10    |
| ...  | ...         | ...    | ...         | ...                 | ...         | 737 0    | 2,079 11    | ...     | ...         | ...    | ...         | 998 83    | 2,809 9     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 2,501 25 | 7,373 0     | ...     | ...         | ...    | ...         | 5,237 30  | 15,436 8    |
| ...  | ...         | ...    | ...         | ...                 | ...         | 2,116 6  | 6,510 3     | ...     | ...         | ...    | ...         | 8,302 30  | 23,494 6    |
| ...  | ...         | ...    | ...         | ...                 | ...         | 2,622 7  | 7,407 11    | ...     | ...         | ...    | ...         | 2,622 7   | 7,407 11    |
| ...  | ...         | ...    | ...         | ...                 | ...         | 7,239 38 | 21,290 14   | ...     | ...         | ...    | ...         | 16,162 27 | 46,838 9    |
| ...  | ...         | ...    | ...         | ...                 | ...         | 2,413 13 | 7,096 15    | ...     | ...         | ...    | ...         | 5,387 23  | 15,446 3    |
| (from 1884-85) transferred from Sehwan Taluka in 1884-85.              |             |        |             |                     |             |          |             |         |             |        |             |           |             |
| ...  | ...         | ...    | ...         | ...                 | ...         | 340 30   | 792 6       | ...     | ...         | ...    | ...         | 521 6     | 1,273 9     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 1,907 35 | 3,370 0     | ...     | ...         | ...    | ...         | 269 0     | 807 0       |
| ...  | ...         | ...    | ...         | ...                 | ...         | 2,248 25 | 4,102 6     | ...     | ...         | ...    | ...         | 1,907 35  | 3,370 0     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 749 22   | 1,367 7     | ...     | ...         | ...    | ...         | 2,698 1   | 5,450 9     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 1,806 15 | 4,165 10    | ...     | ...         | ...    | ...         | 899 14    | 1,816 13    |
| ...  | ...         | ...    | ...         | ...                 | ...         | 1,439 35 | 2,585 0     | ...     | ...         | ...    | ...         | 1,995 15  | 4,625 18    |
| ...  | ...         | ...    | ...         | ...                 | ...         | 3,246 10 | 6,690 10    | ...     | ...         | ...    | ...         | 1,439 35  | 2,585 0     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 1,082 3  | 2,230 3     | ...     | ...         | ...    | ...         | 3,435 10  | 7,210 13    |
| ...  | ...         | ...    | ...         | ...                 | ...         | 1,430 10 | 2,609 1     | ...     | ...         | ...    | ...         | 1,145 3   | 2,403 10    |
| ...  | ...         | 6 20   | 19 8        | ...                 | ...         | 866 30   | 1,780 0     | ...     | ...         | ...    | ...         | 1,430 10  | 2,609 1     |
| ...  | ...         | ...    | ...         | ...                 | ...         | ...      | ...         | ...     | ...         | ...    | ...         | 879 25    | 1,819 4     |
| ...  | ...         | 6 20   | 19 8        | ...                 | ...         | 2,297 0  | 4,389 1     | ...     | ...         | ...    | ...         | ...       | ...         |
| ...  | ...         | 2 7    | 6 8         | ...                 | ...         | 765 11   | 1,463 0     | ...     | ...         | ...    | ...         | 2,500 35  | 4,428 5     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 1,464 25 | 3,035 7     | ...     | ...         | ...    | ...         | 769 38    | 1,476 2     |
| ...  | ...         | 8 5    | 41 15       | ...                 | ...         | 706 35   | 1,600 12    | ...     | ...         | ...    | ...         | 1,643 26  | 3,428 0     |
| ...  | ...         | 25 25  | 90 0        | ...                 | ...         | 263 13   | 493 0       | ...     | ...         | ...    | ...         | 841 25    | 1,900 8     |
| ...  | ...         | ...    | ...         | ...                 | ...         | ...      | ...         | ...     | ...         | ...    | ...         | 288 38    | 583 0       |
| ...  | ...         | 33 90  | 131 15      | ...                 | ...         | 2,431 33 | 5,129 3     | ...     | ...         | ...    | ...         | 2,774 9   | 5,911 8     |
| ...  | ...         | 11 19  | 44 0        | ...                 | ...         | 811 24   | 1,709 12    | ...     | ...         | ...    | ...         | 921 30    | 1,970 8     |
| ...  | ...         | ...    | ...         | ...                 | ...         | 453 35   | 1,261 0     | ...     | ...         | ...    | ...         | 565 20    | 1,524 9     |
| ...  | ...         | 134 0  | 407 13      | ...                 | ...         | 187 20   | 593 3       | ...     | ...         | ...    | ...         | 412 32    | 1,179 1     |
| ...  | ...         | 81 10  | 298 14      | ...                 | ...         | 207 25   | 431 14      | ...     | ...         | ...    | ...         | 288 35    | 730 12      |
| ...  | ...         | 215 10 | 706 11      | ...                 | ...         | 819 0    | 2,196 1     | ...     | ...         | ...    | ...         | 1,267 7   | 3,494 6     |
| ...  | ...         | 71 30  | 235 9       | ...                 | ...         | 273 0    | 732 0       | ...     | ...         | ...    | ...         | 422 16    | 1,144 18    |

## APPENDIX

| No. | Name of Village. | Year.                | KHARIF.          |              |             |              |        |              |                     |              |          |              |
|-----|------------------|----------------------|------------------|--------------|-------------|--------------|--------|--------------|---------------------|--------------|----------|--------------|
|     |                  |                      | RICE UNDER FLOW. |              | OTHER FLOW. |              | LIFT.  |              | LIFT AIDED BY FLOW. |              | BARANI.  |              |
|     |                  |                      | Area.            | Assess-ment. | Area.       | Assess-ment. | Area.  | Assess-ment. | Area.               | Assess-ment. | Area.    | Assess-ment. |
|     |                  |                      | A. g.            | Rs. a.       | A. g.       | Rs. a.       | A. g.  | Rs. a.       | A. g.               | Rs. a.       | A. g.    | Rs. a.       |
| 6   | Wahi Pir Gajl.   | 1st year ... 1884-85 | ...              | ...          | 229 10      | 343 14       | ...    | ...          | ...                 | ...          | 226 37   | 227 0        |
|     |                  | 5th „ ... 1888-89    | ...              | ...          | 95 20       | 145 5        | ...    | ...          | ...                 | ...          | 306 7    | 306 3        |
|     |                  | Last „ ... 1892-93   | ...              | ...          | ...         | ...          | ...    | ...          | ...                 | ...          | 432 15   | 491 0        |
|     |                  | Total ...            | ...              | ...          | 324 30      | 489 8        | ...    | ...          | ...                 | ...          | 1,026 19 | 1,024 3      |
|     |                  | Average ...          | ...              | ...          | 108 10      | 163 1        | ...    | ...          | ...                 | ...          | 342 6    | 341 6        |
|     | Total            | 1st year ... 1884-85 | 180 16           | 541 3        | 418 10      | 864 1        | 281 31 | 647 4        | ...                 | ...          | 235 32   | 235 14       |
|     |                  | 5th „ ... 1888-89    | 275 15           | 826 12       | 95 20       | 145 5        | 208 29 | 470 8        | ...                 | ...          | 345 15   | 361 9        |
|     |                  | Last „ ... 1892-93   | ...              | ...          | ...         | ...          | ...    | ...          | ...                 | ...          | 432 15   | 491 0        |
|     |                  | Total ...            | 455 31           | 1,367 15     | 513 30      | 1,009 6      | 490 20 | 1,117 12     | ...                 | ...          | 1,074 22 | 1,088 7      |
|     |                  | Average ...          | 151 87           | 455 15       | 171 10      | 336 7        | 163 20 | 372 9        | ...                 | ...          | 358 7    | 362 13       |

Gul Hayat Institute

## XIV-A—concluded.

| RABL  |              |        |              |                     |              |           |              |         |              |       |              | TOTAL     |              |
|-------|--------------|--------|--------------|---------------------|--------------|-----------|--------------|---------|--------------|-------|--------------|-----------|--------------|
| FLOW. |              | LIFT.  |              | LIFT AIDED BY FLOW. |              | SAILAB.   |              | BARANI. |              | CHAH. |              | Area.     | Assess-ment. |
| Area. | Assess-ment. | Area.  | Assess-ment. | Area.               | Assess-ment. | Area.     | Assess-ment. | Area.   | Assess-ment. | Area. | Assess-ment. |           |              |
| A. g. | Rs. a.       | A. g.  | Rs. a.       | A. g.               | Rs. a.       | A. g.     | Rs. a.       | A. g.   | Rs. a.       | A. g. | Rs. a.       | A. g.     | Rs. a.       |
| ...   | ...          | ...    | ...          | ...                 | ...          | 228 0     | 345 7        | ...     | ...          | ...   | ...          | 684 7     | 916 5        |
| ...   | ...          | ...    | ...          | ...                 | ...          | 77 5      | 116 10       | ...     | ...          | ...   | ...          | 478 32    | 568 2        |
| ...   | ...          | ...    | ...          | ...                 | ...          | 68 5      | 100 0        | 2 15    | 2 0          | ...   | ...          | 563 35    | 593 0        |
| ...   | ...          | ...    | ...          | ...                 | ...          | 373 10    | 562 1        | 2 15    | 2 0          | ...   | ...          | 1,726 34  | 1,977 7      |
| ...   | ...          | ...    | ...          | ...                 | ...          | 124 9     | 187 6        | 0 32    | 0 11         | ...   | ...          | 575 25    | 659 2        |
| ...   | ...          | ...    | ...          | ...                 | ...          | 5,723 35  | 12,088 15    | ...     | ...          | ...   | ...          | 6,840 4   | 14,377 5     |
| ...   | ...          | 118 25 | 469 4        | ...                 | ...          | 1,808 10  | 4,000 9      | ...     | ...          | ...   | ...          | 2,881 34  | 6,273 15     |
| ...   | ...          | 196 35 | 388 14       | ...                 | ...          | 3,566 53  | 6,979 14     | 2 15    | 2 0          | ...   | ...          | 4,489 18  | 7,861 12     |
| ...   | ...          | 255 20 | 878 2        | ...                 | ...          | 11,418 38 | 23,069 6     | 2 15    | 2 0          | ...   | ...          | 14,211 16 | 28,513 0     |
| ...   | ...          | 85 7   | 236 1        | ...                 | ...          | 3,806 13  | 7,689 13     | 0 32    | 0 11         | ...   | ...          | 4,737 6   | 9,504 5      |

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.

Gul Hayat Institute



## APPENDIX

Statement showing cultivated land in each surveyed village of Taluka Johi under each

| No. on Appendix III-A. | Name of Village. | Year.   | GARDENS, &C. |              | KHARIF.          |              |             |              |                     |              |        |              |       |              | FLOW. |              |
|------------------------|------------------|---------|--------------|--------------|------------------|--------------|-------------|--------------|---------------------|--------------|--------|--------------|-------|--------------|-------|--------------|
|                        |                  |         |              |              | RICK UNDER FLOW. |              | OTHER FLOW. |              | FLOW AIDED BY LIFT. |              | LIFT.  |              |       |              |       |              |
|                        |                  |         | Area.        | Assess-ment. | Area.            | Assess-ment. | Area.       | Assess-ment. | Area.               | Assess-ment. | Area.  | Assess-ment. | Area. | Assess-ment. | Area. | Assess-ment. |
|                        | 1st Group.       |         | A. g.        | Rs. a.       | A. g.            | Rs. a.       | A. g.       | Rs. a.       | A. g.               | Rs. a.       | A. g.  | Rs. a.       | A. g. | Rs. a.       | A. g. | Rs. a.       |
| 1                      | Sakhro           | 1893-94 | ...          | ...          | 2,371 20         | 6,547 8      | ...         | ...          | ...                 | ...          | ...    | ...          | 47 35 | 84 0         | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | 2,953 38         | 7,073 8      | ...         | ...          | ...                 | ...          | ...    | ...          | 48 15 | 86 0         | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | 2,854 0          | 7,812 0      | 8 20        | 23 0         | ...                 | ...          | ...    | ...          | 27 35 | 91 0         | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | 2,923 0          | 7,967 8      | 26 15       | 93 0         | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | 11,102 18        | 30,300 8     | 32 35       | 116 0        | ...                 | ...          | 124 5  | 201 0        | ...   | ...          | ...   | ...          |
|                        | Average          | ...     | ...          | 2,775 25     | 7,575 2          | 8 9          | 29 0        | ...          | ...                 | ...          | ...    | 31 1         | 65 4  | ...          | ...   |              |
| 2                      | Gahi Charo       | 1893-94 | ...          | ...          | 524 35           | 1,625 0      | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | 1,230 22         | 3,849 8      | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | 1,459 15         | 4,479 0      | ...         | ...          | 23 10               | 71 0         | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | 1,638 5          | 4,012 0      | 56 5        | 194 0        | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | 4,891 37         | 14,865 8     | 66 5        | 194 0        | 23 10               | 71 0         | ...    | ...          | ...   | ...          | ...   | ...          |
|                        | Average          | ...     | ...          | 1,222 39     | 3,716 6          | 14 1         | 48 8        | 5 33         | 17 12               | ...          | ...    | ...          | ...   | ...          | ...   |              |
| 3                      | Arani            | 1893-94 | ...          | ...          | 215 20           | 600 0        | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | 420 0            | 1,219 0      | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | 609 20           | 1,994 0      | 20 15       | 76 0         | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | 968 35           | 2,719 0      | 20 15       | 76 0         | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | 2,294 15         | 6,532 0      | 40 30       | 150 0        | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        | Average          | ...     | ...          | 573 23       | 1,633 0          | 10 8         | 37 8        | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   |              |
| 4                      | Maehhko          | 1893-94 | ...          | ...          | ...              | ...          | 84 35       | 225 12       | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | ...              | ...          | 44 78       | 116 13       | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | ...              | ...          | 129 13      | 342 0        | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        | Average          | ...     | ...          | ...          | ...              | 32 13        | 85 10       | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   |              |
| 5                      | Lohri            | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        | Average          | ...     | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   |              |
| 6                      | Khan Wah         | 1893-94 | ...          | ...          | 60 0             | 181 0        | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | 210 30           | 631 0        | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | 111 15           | 332 0        | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | 107 25           | 322 14       | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | 489 30           | 1,466 14     | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        | Average          | ...     | ...          | 122 18       | 366 11           | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   |              |
| 7                      | Makhan Belo      | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        | Average          | ...     | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   |              |
| 8                      | Shah Hasan       | 1893-94 | ...          | ...          | ...              | ...          | 1 29        | 4 12         | ...                 | ...          | 2 21   | 5 13         | ...   | ...          | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | ...              | ...          | 1 13        | 3 8          | ...                 | ...          | 11 35  | 27 0         | ...   | ...          | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | ...              | ...          | 15 6        | 41 11        | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | ...              | ...          | 18 8        | 49 15        | ...                 | ...          | 14 16  | 32 13        | ...   | ...          | ...   | ...          |
|                        | Average          | ...     | ...          | ...          | ...              | 4 22         | 12 8        | ...          | ...                 | 3 24         | 8 3    | ...          | ...   | ...          | ...   |              |
| 9                      | Dabbri           | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 21 0   | 47 0         | ...   | ...          | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 149 38 | 337 6        | ...   | ...          | ...   | ...          |
|                        | Average          | ...     | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | 37 20        | 84 6   | ...          | ...   | ...          | ...   |              |
| 11                     | Gorandi          | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 9 25   | 15 0         | ...   | ...          | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 9 25   | 15 0         | ...   | ...          | ...   | ...          |
|                        | Average          | ...     | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | 2 16         | 3 12   | ...          | ...   | ...          | ...   |              |
| 12                     | Phadik           | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 36 35  | 60 0         | ...   | ...          | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...    | ...          | ...   | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 36 35  | 60 0         | ...   | ...          | ...   | ...          |
|                        | Average          | ...     | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | 9 9          | 15 0   | ...          | ...   | ...          | ...   |              |

## XIV-C.

kind of irrigation for the period 1893-94 to 1896-97, with the assessment thereon.

| RABI.  |             |          |             |                       |             |        |             | BARANI.  |             |        |             | Total.    |             |
|--------|-------------|----------|-------------|-----------------------|-------------|--------|-------------|----------|-------------|--------|-------------|-----------|-------------|
| LIFT.  |             | SAILAB.  |             | SAILAB AIDED BY LIFT. |             | DOBI.  |             | KHARIF.  |             | RABI.  |             | Area.     | Assessment. |
| Area.  | Assessment. | Area.    | Assessment. | Area.                 | Assessment. | Area.  | Assessment. | Area.    | Assessment. | Area.  | Assessment. |           |             |
| A. g.  | Rs. a.      | A. g.    | Rs. a.      | A. g.                 | Rs. a.      | A. g.  | Rs. a.      | A. g.    | Rs. a.      | A. g.  | Rs. a.      | A. g.     | Rs. a.      |
| 114 30 | 254 0       | 402 10   | 1,203 8     | *303 15               | *703 8      | ...    | ...         | ...      | ...         | ...    | ...         | 3,281 35  | 8,708 8     |
| 163 20 | 360 0       | 342 23   | 680 0       | 426 25                | 902 0       | ...    | ...         | ...      | ...         | ...    | ...         | 3,771 1   | 9,649 8     |
| ...    | ...         | 90 35    | 164 0       | 782 20                | †148 0      | 45 18  | 82 0        | ...      | ...         | ...    | ...         | 3,291 8   | 8,675 0     |
| ...    | ...         | 425 28   | 1,057 13    | ...                   | ...         | ...    | ...         | 75 25    | 158 15      | 127 0  | 240 0       | 8,605 23  | 9,608 4     |
| 275 10 | 614 0       | 1,351 16 | 3,115 5     | 812 20                | 1,753 8     | 45 18  | 82 0        | 75 25    | 158 15      | 127 0  | 240 0       | 13,949 27 | 36,641 4    |
| 69 22  | 153 8       | 337 34   | 778 13      | 203 5                 | 488 6       | 11 15  | 20 8        | 18 36    | 39 12       | 31 30  | 60 0        | 3,427 17  | 9,160 5     |
| ...    | ...         | 854 0    | 2,705 0     | †215 0                | †748 8      | ...    | ...         | ...      | ...         | ...    | ...         | 1,593 35  | 5,138 8     |
| ...    | ...         | 558 30   | 1,444 8     | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | 1,818 12  | 5,294 0     |
| 13 20  | 44 0        | 498 15   | 1,056 0     | 81 20                 | 75 0        | 324 35 | 1,106 0     | ...      | ...         | ...    | ...         | 2,380 35  | 6,881 0     |
| ...    | ...         | 910 22   | 2,405 14    | ...                   | ...         | 8 25   | 31 0        | ...      | ...         | ...    | ...         | 2,583 17  | 7,512 14    |
| 13 20  | 44 0        | 2,821 27 | 7,071 0     | 240 20                | 823 8       | 833 20 | 1,137 0     | ...      | ...         | ...    | ...         | 8,386 19  | 24,806 6    |
| 3 15   | 11 0        | 705 17   | 1,917 14    | 61 25                 | 205 14      | 83 15  | 284 4       | ...      | ...         | ...    | ...         | 2,096 25  | 6,201 10    |
| ...    | ...         | 383 5    | 1,155 0     | †38 15                | †135 0      | ...    | ...         | ...      | ...         | ...    | ...         | 642 0     | 1,880 0     |
| ...    | ...         | 220 33   | 452 0       | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | 641 13    | 1,671 0     |
| 105 15 | 334 0       | 156 0    | 416 0       | 860 0                 | †169 0      | 79 10  | 249 0       | ...      | ...         | ...    | ...         | 1,120 20  | 3,237 0     |
| ...    | ...         | 356 8    | 1,110 12    | ...                   | ...         | ...    | ...         | ...      | ...         | 17 25  | 55 0        | 1,359 3   | 3,859 12    |
| 105 15 | 334 0       | 1,121 6  | 3,093 12    | 98 15                 | 304 0       | 79 10  | 249 0       | ...      | ...         | 17 25  | 55 0        | 3,756 36  | 10,657 12   |
| 26 14  | 83 8        | 280 12   | 758 7       | 24 24                 | 76 0        | 19 32  | 62 4        | ...      | ...         | 4 16   | 13 12       | 930 0     | 2,664 7     |
| 33 0   | 87 0        | 992 7    | 1,492 6     | ...                   | ...         | ...    | ...         | 33 15    | 42 8        | ...    | ...         | 1,149 17  | 1,847 10    |
| ...    | ...         | 1,390 19 | 3,702 8     | ...                   | ...         | ...    | ...         | 133 19   | 165 10      | ...    | ...         | 1,620 38  | 3,368 2     |
| ...    | ...         | ...      | ...         | ...                   | ...         | ...    | ...         | 182 19   | 191 8       | 5 20   | 6 12        | 167 39    | 198 4       |
| ...    | ...         | 1,467 16 | 3,075 12    | ...                   | ...         | ...    | ...         | 131 25   | 165 5       | ...    | ...         | 1,643 19  | 3,357 14    |
| 39 0   | 87 0        | 3,856 2  | 7,670 10    | ...                   | ...         | ...    | ...         | 450 28   | 564 15      | 5 20   | 6 12        | 4,480 33  | 8,671 14    |
| 9 30   | 21 12       | 904 1    | 1,917 11    | ...                   | ...         | ...    | ...         | 113 0    | 141 4       | 1 15   | 1 11        | 1,120 8   | 2,167 15    |
| ...    | ...         | 1,387 3  | 2,345 0     | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | 1,387 3   | 2,345 0     |
| ...    | ...         | 1,154 15 | 2,467 0     | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | 1,151 15  | 2,467 0     |
| ...    | ...         | 65 35    | 130 0       | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | 65 35     | 130 0       |
| ...    | ...         | 2,015 5  | 4,417 3     | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | 2,015 5   | 4,417 3     |
| ...    | ...         | 4,619 18 | 9,349 3     | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | 4,640 18  | 9,349 3     |
| ...    | ...         | 1,162 14 | 2,337 5     | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | 1,162 14  | 2,337 5     |
| ...    | ...         | 1,228 0  | 1,511 8     | †204 25               | †445 0      | ...    | ...         | ...      | ...         | ...    | ...         | 1,582 25  | 2,137 8     |
| ...    | ...         | 1,307 0  | 2,609 0     | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | 1,517 30  | 3,329 0     |
| ...    | ...         | 180 5    | 365 0       | ...                   | ...         | 263 15 | 520 0       | ...      | ...         | ...    | ...         | 554 35    | 1,326 0     |
| ...    | ...         | 2,151 15 | 4,567 4     | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | 2,459 0   | 4,890 2     |
| ...    | ...         | 4,866 20 | 9,141 12    | 204 25                | 445 0       | 263 15 | 520 0       | ...      | ...         | ...    | ...         | 5,914 10  | 11,582 10   |
| ...    | ...         | 1,216 25 | 2,255 7     | 73 26                 | 111 4       | 65 34  | 132 4       | ...      | ...         | ...    | ...         | 1,478 24  | 2,865 10    |
| ...    | ...         | ...      | ...         | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | ...       | ...         |
| ...    | ...         | ...      | ...         | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | ...       | ...         |
| ...    | ...         | 1,515 30 | 3,477 0     | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | 1,515 30  | 3,477 0     |
| ...    | ...         | 792 20   | 1,452 13    | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | 792 20    | 1,452 13    |
| ...    | ...         | 2,308 10 | 4,929 13    | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | 2,308 10  | 4,929 13    |
| ...    | ...         | 577 3    | 1,232 7     | ...                   | ...         | ...    | ...         | ...      | ...         | ...    | ...         | 577 3     | 1,232 7     |
| 87 13  | 207 7       | 159 22   | 216 12      | 71 30                 | 249 15      | ...    | ...         | 0 20     | 0 8         | ...    | ...         | 323 15    | 683 3       |
| ...    | ...         | 321 18   | 791 10      | 3 4                   | 11 0        | ...    | ...         | 7 27     | 9 8         | ...    | ...         | 383 22    | 815 10      |
| 11 5   | 34 0        | 1,409 38 | 3,517 0     | 37 25                 | 139 0       | ...    | ...         | 18 30    | 22 12       | ...    | ...         | 1,499 13  | 3,730 12    |
| 9 38   | 29 14       | 859 34   | 1,881 13    | 74 0                  | 259 0       | ...    | ...         | 18 4     | 25 8        | ...    | ...         | 977 4     | 2,237 14    |
| 108 16 | 271 5       | 2,750 32 | 6,416 3     | 186 19                | 649 15      | ...    | ...         | 45 3     | 58 4        | ...    | ...         | 3,123 14  | 7,472 7     |
| 27 4   | 67 13       | 687 28   | 1,602 9     | 46 25                 | 162 8       | ...    | ...         | 11 11    | 14 9        | ...    | ...         | 780 34    | 1,868 2     |
| 61 3   | 167 15      | 93 32    | 148 2       | 116 30                | 402 11      | ...    | ...         | ...      | ...         | ...    | ...         | 291 25    | 785 12      |
| 25 4   | 74 14       | 229 3    | 588 4       | 88 22                 | 308 12      | ...    | ...         | 49 37    | 63 0        | 3 13   | 3 4         | 890 9     | 1,038 2     |
| 122 5  | 361 6       | 200 21   | 507 0       | 112 14                | 300 0       | ...    | ...         | 63 0     | 79 0        | ...    | ...         | 532 19    | 1,459 10    |
| 16 20  | 40 8        | 214 22   | 497 5       | 198 36                | 689 4       | ...    | ...         | 71 38    | 90 5        | ...    | ...         | 574 21    | 1,494 8     |
| 244 32 | 653 11      | 737 38   | 1,749 11    | 514 32                | 1,790 11    | ...    | ...         | 185 1    | 232 5       | 3 13   | 3 4         | 1,815 34  | 4,758 0     |
| 56 8   | 163 7       | 154 20   | 435 3       | 128 28                | 417 11      | ...    | ...         | 46 4     | 58 1        | 0 33   | 0 13        | 453 33    | 1,189 8     |
| ...    | ...         | 26 0     | 42 0        | ...                   | ...         | ...    | ...         | 5 27     | 9 0         | ...    | ...         | 41 12     | 66 0        |
| ...    | ...         | ...      | ...         | ...                   | ...         | ...    | ...         | 14 18    | 23 0        | 41 15  | 67 0        | 55 33     | 90 0        |
| ...    | ...         | ...      | ...         | ...                   | ...         | ...    | ...         | 13 16    | 22 0        | 47 13  | 76 0        | 60 29     | 98 0        |
| ...    | ...         | ...      | ...         | ...                   | ...         | ...    | ...         | 28 15    | 46 3        | 45 5   | 73 8        | 73 20     | 119 11      |
| ...    | ...         | 26 0     | 42 0        | ...                   | ...         | ...    | ...         | 61 36    | 100 3       | 133 43 | 216 8       | 231 14    | 373 11      |
| ...    | ...         | 6 20     | 10 8        | ...                   | ...         | ...    | ...         | 15 19    | 25 1        | 33 18  | 54 2        | 57 34     | 93 7        |
| ...    | ...         | 51 10    | 83 0        | ...                   | ...         | ...    | ...         | 481 25   | 517 4       | ...    | ...         | 569 30    | 691 4       |
| ...    | ...         | ...      | ...         | ...                   | ...         | ...    | ...         | 718 4    | 852 8       | 87 11  | 92 10       | 775 15    | 945 2       |
| ...    | ...         | ...      | ...         | ...                   | ...         | ...    | ...         | 480 20   | 555 0       | 63 27  | 100 10      | 544 7     | 856 10      |
| ...    | ...         | ...      | ...         | ...                   | ...         | ...    | ...         | 570 20   | 676 3       | 53 7   | 86 10       | 623 27    | 762 13      |
| ...    | ...         | ...      | ...         | ...                   | ...         | ...    | ...         | 2,270 20 | 2,620 15    | 171 7  | 280 14      | 2,712 39  | 8,054 13    |
| ...    | ...         | 12 33    | 20 12       | ...                   | ...         | ...    | ...         | 562 27   | 667 12      | 43 21  | 70 4        | 628 10    | 763 11      |

\* Include 11 acres 20 guntas assessed at Rs. 41 of rabi flow aided by lift and 41 acres 35 guntas assessed at Rs. 150-8-0 of sailab aided by flow.

† These figures represent rabi flow aided by lift.

‡ Consist of 14 acres 35 guntas assessed at Rs. 62 of rabi flow aided by lift and of 200 acres 5 guntas assessed at Rs. 696-8-0 of sailab aided by flow.

§ Include 30 acres 30 guntas assessed at Rs. 112 of sailab aided by flow.

¶ Include 28 acres 30 guntas assessed at Rs. 75 of rabi flow aided by lift.

¶ These figures represent sailab aided by flow.

| No. on Appendix III-A. | Name of Village. | Year.       | GARDENS, &c.     |             | KHARIF.     |             |                     |             |       |             |          |             |        |             | Flow. |             |
|------------------------|------------------|-------------|------------------|-------------|-------------|-------------|---------------------|-------------|-------|-------------|----------|-------------|--------|-------------|-------|-------------|
|                        |                  |             | RICE UNDER FLOW. |             | OTHER FLOW. |             | FLOW AIDED BY LIFT. |             | LIFT. |             | Flow.    |             | Flow.  |             | Flow. |             |
|                        |                  |             | Area.            | Assessment. | Area.       | Assessment. | Area.               | Assessment. | Area. | Assessment. | Area.    | Assessment. | Area.  | Assessment. | Area. | Assessment. |
|                        |                  |             | A. g.            | Rs. a.      | A. g.       | Rs. a.      | A. g.               | Rs. a.      | A. g. | Rs. a.      | A. g.    | Rs. a.      | A. g.  | Rs. a.      | A. g. | Rs. a.      |
| 13                     | Wahd Pir aji.    | 1893-94 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | 125 0    | 156 0       | ...    | ...         | ...   | ...         |
|                        |                  | 1894-95 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | 1895-96 ... | 0 2              | 0 1         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | 1896-97 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | Total ...   | 0 2              | 0 1         | ...         | ...         | ...                 | ...         | ...   | ...         | 125 0    | 156 0       | ...    | ...         | ...   | ...         |
|                        |                  | Average ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | 31 10    | 46 8        | ...    | ...         | ...   | ...         |
| 14                     | Dhaunk           | 1893-94 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | 1894-95 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | 1895-96 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | 1896-97 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | Total ...   | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | Average ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
| 15                     | Berah            | 1893-94 ... | ...              | ...         | ...         | ...         | 0 8                 | 0 8         | ...   | ...         | 15 22    | 35 0        | ...    | ...         | ...   | ...         |
|                        |                  | 1894-95 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | 1895-96 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | 1896-97 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | Total ...   | ...              | ...         | ...         | ...         | 0 8                 | 0 8         | ...   | ...         | 15 22    | 35 0        | ...    | ...         | ...   | ...         |
|                        |                  | Average ... | ...              | ...         | ...         | ...         | 0 2                 | 0 2         | ...   | ...         | 3 26     | 8 12        | ...    | ...         | ...   | ...         |
| 16                     | Tori             | 1893-94 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | 1894-95 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | 1895-96 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | 1896-97 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | Total ...   | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | Average ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
| 17                     | Kur Janik        | 1893-94 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | 1894-95 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | 148 5    | 249 0       | ...    | ...         | ...   | ...         |
|                        |                  | 1895-96 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | 1896-97 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | Total ...   | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | 148 5    | 249 0       | ...    | ...         | ...   | ...         |
|                        |                  | Average ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | 37 1     | 62 4        | ...    | ...         | ...   | ...         |
| 18                     | Jampur warkl.    | 1893-94 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | 71 15    | 125 8       | ...    | ...         | ...   | ...         |
|                        |                  | 1894-95 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | 29 35    | 50 0        | ...    | ...         | ...   | ...         |
|                        |                  | 1895-96 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | 39 15    | 73 0        | ...    | ...         | ...   | ...         |
|                        |                  | 1896-97 ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | Total ...   | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | 140 25   | 248 8       | ...    | ...         | ...   | ...         |
|                        |                  | Average ... | ...              | ...         | ...         | ...         | ...                 | ...         | ...   | ...         | 35 6     | 62 2        | ...    | ...         | ...   | ...         |
| 19                     | Varejl           | 1893-94 ... | ...              | ...         | 424 21      | 996 8       | 32 35               | 72 0        | ...   | ...         | 165 30   | 357 0       | ...    | ...         | ...   | ...         |
|                        |                  | 1894-95 ... | ...              | ...         | 963 19      | 2,139 8     | ...                 | ...         | ...   | ...         | 18 5     | 33 0        | ...    | ...         | ...   | ...         |
|                        |                  | 1895-96 ... | 0 10             | 0 11        | 636 15      | 1,410 0     | 11 30               | 34 0        | ...   | ...         | 169 24   | 357 13      | ...    | ...         | ...   | ...         |
|                        |                  | 1896-97 ... | 0 5              | 0 5         | 637 25      | 1,435 12    | 113 20              | 250 3       | ...   | ...         | 88 24    | 242 8       | ...    | ...         | ...   | ...         |
|                        |                  | Total ...   | 0 15             | 1 0         | 2,652 0     | 5,941 12    | 161 5               | 356 3       | ...   | ...         | 442 3    | 950 5       | ...    | ...         | ...   | ...         |
|                        |                  | Average ... | 0 4              | 0 1         | 663 0       | 1,486 7     | 40 11               | 89 1        | ...   | ...         | 110 21   | 237 9       | ...    | ...         | ...   | ...         |
| 20                     | Johi             | 1893-94 ... | 13 5             | 19 11       | 257 0       | 587 0       | 19 15               | 41 0        | ...   | ...         | 899 21   | 1,115 5     | ...    | ...         | ...   | ...         |
|                        |                  | 1894-95 ... | 1 15             | 2 8         | 514 15      | 1,196 4     | 2 35                | 7 0         | ...   | ...         | 870 33   | 1,537 0     | 306 28 | 657 8       | ...   | ...         |
|                        |                  | 1895-96 ... | 9 32             | 19 12       | 311 15      | 698 1       | 10 20               | 25 0        | ...   | ...         | 655 34   | 1,201 0     | ...    | ...         | ...   | ...         |
|                        |                  | 1896-97 ... | 0 30             | 1 10        | 178 30      | 407 0       | 171 10              | 371 0       | ...   | ...         | 725 24   | 1,496 3     | ...    | ...         | ...   | ...         |
|                        |                  | Total ...   | 23 2             | 43 9        | 1,281 22    | 2,888 8     | 204 0               | 446 0       | ...   | ...         | 2,851 35 | 5,250 7     | 306 28 | 657 8       | ...   | ...         |
|                        |                  | Average ... | 6 11             | 10 14       | 321 6       | 722 2       | 51 0                | 111 8       | ...   | ...         | 712 39   | 1,314 14    | 76 27  | 164 6       | ...   | ...         |
| 21                     | Dara Machhi      | 1893-94 ... | ...              | ...         | 330 15      | 1,001 0     | 149 15              | 371 8       | 23 10 | 51 0        | 387 0    | 770 0       | ...    | ...         | ...   | ...         |
|                        |                  | 1894-95 ... | ...              | ...         | 756 20      | 2,023 12    | 118 33              | 265 0       | ...   | ...         | 610 5    | 1,146 0     | ...    | ...         | ...   | ...         |
|                        |                  | 1895-96 ... | 0 10             | 0 7         | 717 25      | 2,023 4     | 14 15               | 35 0        | ...   | ...         | 471 7    | 847 6       | ...    | ...         | ...   | ...         |
|                        |                  | 1896-97 ... | ...              | ...         | 554 31      | 1,550 8     | ...                 | ...         | ...   | ...         | 559 21   | 1,186 0     | ...    | ...         | ...   | ...         |
|                        |                  | Total ...   | 0 10             | 0 7         | 2,449 14    | 6,631 8     | 173 3               | 671 8       | 23 10 | 51 0        | 2,027 34 | 3,989 9     | ...    | ...         | ...   | ...         |
|                        |                  | Average ... | 0 3              | 0 2         | 612 14      | 1,657 14    | 43 11               | 167 14      | 5 33  | 12 12       | 506 28   | 997 6       | ...    | ...         | ...   | ...         |
| 22                     | Gahn             | 1893-94 ... | ...              | ...         | 468 25      | 1,171 0     | 60 0                | 128 0       | ...   | ...         | 86 25    | 177 0       | ...    | ...         | ...   | ...         |
|                        |                  | 1894-95 ... | ...              | ...         | 147 38      | 384 0       | 195 30              | 469 8       | ...   | ...         | 102 35   | 197 0       | ...    | ...         | ...   | ...         |
|                        |                  | 1895-96 ... | 4 0              | 10 4        | 468 38      | 1,217 8     | 8 21                | 22 8        | ...   | ...         | 33 26    | 64 12       | ...    | ...         | ...   | ...         |
|                        |                  | 1896-97 ... | 1 0              | 2 10        | 606 31      | 1,255 6     | 72 25               | 165 14      | ...   | ...         | 112 25   | 230 8       | ...    | ...         | ...   | ...         |
|                        |                  | Total ...   | 5 0              | 12 14       | 1,612 15    | 4,028 14    | 336 36              | 785 11      | ...   | ...         | 336 1    | 669 4       | ...    | ...         | ...   | ...         |
|                        |                  | Average ... | 1 10             | 3 4         | 403 4       | 1,007 4     | 84 9                | 196 8       | ...   | ...         | 84 0     | 167 5       | ...    | ...         | ...   | ...         |
| 23                     | Abad             | 1893-94 ... | ...              | ...         | 1,835 5     | 5,070 8     | 75 15               | 194 0       | ...   | ...         | 7 15     | 17 0        | ...    | ...         | ...   | ...         |
|                        |                  | 1894-95 ... | ...              | ...         | 1,984 2     | 5,457 0     | 11 25               | 39 0        | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | 1895-96 ... | ...              | ...         | 1,989 2     | 5,474 0     | 11 30               | 32 0        | ...   | ...         | ...      | ...         | ...    | ...         | ...   | ...         |
|                        |                  | 1896-97 ... | 0 20             | 1 4         | 1,982 22    | 5,493 0     | 63 10               | 154 8       | 27 20 | 75 0        | 29 5     | 68 12       | ...    | ...         | ...   | ...         |
|                        |                  | Total ...   | 0 20             | 1 4         | 7,792 31    | 21,464 8    | 165 0               | 419 8       | 27 20 | 75 0        | 36 20    | 85 12       | ...    | ...         | ...   | ...         |
|                        |                  | Average ... | 0 5              | 0 5         | 1,948 8     | 5,366 2     | 41 10               | 104 14      | 6 35  | 18 12       | 9 5      | 21 7        | ...    | ...         | ...   | ...         |

## XIV-C—continued.

| RABI.  |              |          |              |                       |              |       |              | BARANI.   |              |        |              | Total.    |              |
|--------|--------------|----------|--------------|-----------------------|--------------|-------|--------------|-----------|--------------|--------|--------------|-----------|--------------|
| LIFT.  |              | SAILAB.  |              | SAILAB AIDED BY LIFT. |              | ROST. |              | KHARIF.   |              | RABI.  |              | Area.     | Assess-ment. |
| Area.  | Assess-ment. | Area.    | Assess-ment. | Area.                 | Assess-ment. | Area. | Assess-ment. | Area.     | Assess-ment. | Area.  | Assess-ment. |           |              |
| A. g.  | Rs. a.       | A. g.    | Rs. a.       | A. g.                 | Rs. a.       | A. g. | Rs. a.       | A. g.     | Rs. a.       | A. g.  | Rs. a.       | A. g.     | Rs. a.       |
| ...    | ...          | 80 20    | 120 8        | ...                   | ...          | ...   | ...          | 231 25    | 229 8        | 117 9  | 173 8        | 437 5     | 536 0        |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 581 38    | 632 2        | ...    | ...          | 699 7     | 805 10       |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 501 12    | 619 1        | 115 22 | 214 7        | 706 30    | 831 12       |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 553 28    | 592 0        | 111 34 | 172 4        | 668 22    | 761 4        |
| ...    | ...          | 80 20    | 120 8        | ...                   | ...          | ...   | ...          | 1,028 23  | 2,072 14     | 377 25 | 560 3        | 2,511 30  | 2,939 10     |
| ...    | ...          | 20 5     | 30 2         | ...                   | ...          | ...   | ...          | 482 6     | 518 4        | 91 18  | 140 1        | 627 38    | 734 13       |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 622 16    | 682 8        | ...    | ...          | 622 16    | 682 8        |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 2,110 39  | 2,562 11     | ...    | ...          | 2,110 39  | 2,562 11     |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 921 5     | 1,018 12     | 13 35  | 70 12        | 965 0     | 1,110 8      |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 1,040 11  | 1,231 7      | ...    | ...          | 1,040 11  | 1,231 7      |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 4,733 34  | 5,528 9      | 43 35  | 70 12        | 4,777 29  | 5,599 5      |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 1,183 10  | 1,362 2      | 10 39  | 17 11        | 1,193 17  | 1,380 13     |
| 4 20   | 10 0         | 5 11     | 9 0          | *1 29                 | *3 8         | ...   | ...          | 53 25     | 67 10        | ...    | ...          | 80 38     | 125 11       |
| 14 10  | 42 0         | 21 11    | 58 0         | ...                   | ...          | ...   | ...          | 100 9     | 121 11       | ...    | ...          | 135 33    | 221 14       |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 122 9     | 150 12       | 1 7    | 1 12         | 123 16    | 152 8        |
| ...    | ...          | 4 20     | 10 15        | ...                   | ...          | ...   | ...          | 81 10     | 1 5 12       | 6 20   | 8 2          | 93 29     | 121 13       |
| 10 30  | 62 0         | 11 27    | 77 15        | 1 20                  | 3 8          | ...   | ...          | 360 13    | 119 0        | 7 27   | 9 14         | 455 36    | 627 13       |
| 4 25   | 13 0         | 7 37     | 19 8         | 0 17                  | 0 11         | ...   | ...          | 90 3      | 112 4        | 1 37   | 2 8          | 108 39    | 156 15       |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 1,776 23  | 2,011 8      | ...    | ...          | 1,776 23  | 2,041 8      |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 3,141 12  | 4,195 12     | ...    | ...          | 3,141 12  | 4,195 12     |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 2,750 30  | 3,188 0      | 25 11  | 46 8         | 2,758 1   | 3,334 8      |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 2,581 2   | 3,090 7      | ...    | ...          | 2,581 2   | 3,399 7      |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 10,558 27 | 13,434 11    | 28 11  | 46 8         | 10,586 38 | 13,481 3     |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | 2,639 27  | 3,234 11     | 7 3    | 11 10        | 2,646 30  | 3,315 6      |
| ...    | ...          | 272 27   | 360 8        | 371 20                | 601 8        | ...   | ...          | ...       | ...          | ...    | ...          | 795 21    | 1,211 0      |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | ...       | ...          | ...    | ...          | ...       | ...          |
| ...    | ...          | 272 27   | 360 8        | 371 20                | 601 8        | ...   | ...          | ...       | ...          | ...    | ...          | 795 21    | 1,211 0      |
| ...    | ...          | 65 7     | 90 2         | 91 27                 | 150 6        | ...   | ...          | ...       | ...          | ...    | ...          | 108 35    | 302 12       |
| 5 36   | 10 0         | 131 20   | 768 8        | ...                   | ...          | ...   | ...          | ...       | ...          | ...    | ...          | 511 30    | 904 0        |
| 56 25  | 101 0        | 272 30   | 119 0        | ...                   | ...          | ...   | ...          | 40 26     | 63 0         | ...    | ...          | 369 36    | 624 0        |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | ...       | ...          | ...    | ...          | 39 15     | 73 0         |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | ...       | ...          | ...    | ...          | ...       | ...          |
| 62 20  | 111 0        | 707 10   | 1,178 8      | ...                   | ...          | ...   | ...          | 40 26     | 63 0         | ...    | ...          | 971 1     | 1,601 0      |
| 15 25  | 27 12        | 176 33   | 204 10       | ...                   | ...          | ...   | ...          | 10 7      | 15 12        | ...    | ...          | 237 30    | 400 1        |
| 183 5  | 438 0        | 5,7 17   | 1,132 4      | ...                   | ...          | ...   | ...          | ...       | ...          | ...    | ...          | 1,843 28  | 2,935 12     |
| 99 20  | 157 0        | 498 7    | 842 12       | 130 12                | 278 0        | ...   | ...          | ...       | ...          | ...    | ...          | 1,680 23  | 3,170 4      |
| 134 24 | 303 0        | 132 15   | 312 8        | ...                   | ...          | ...   | ...          | ...       | ...          | ...    | ...          | 1,096 38  | 2,431 0      |
| 114 20 | 261 11       | 105 15   | 216 12       | ...                   | ...          | ...   | ...          | ...       | ...          | ...    | ...          | 1,059 29  | 2,369 6      |
| 526 29 | 1,164 11     | 1,311 11 | 2,511 4      | 130 12                | 278 0        | ...   | ...          | ...       | ...          | ...    | ...          | 5,239 38  | 11,290 6     |
| 136 7  | 291 1        | 313 11   | 628 9        | 31 21                 | 60 8         | ...   | ...          | ...       | ...          | ...    | ...          | 1,310 0   | 2,801 10     |
| 386 7  | 871 0        | 1,151 30 | 2,369 4      | 66 10                 | 155 8        | ...   | ...          | ...       | ...          | ...    | ...          | 2,493 11  | 5,100 12     |
| 208 16 | 467 8        | 879 0    | 1,175 4      | ...                   | ...          | ...   | ...          | ...       | ...          | ...    | ...          | 2,803 22  | 5,281 0      |
| 120 3  | 256 8        | 70 3     | 153 4        | ...                   | ...          | ...   | ...          | 15 15     | 74 0         | ...    | ...          | 1,771 4   | 2,327 12     |
| 132 8  | 285 8        | 27 8     | 69 12        | ...                   | ...          | ...   | ...          | ...       | ...          | ...    | ...          | 1,236 13  | 2,541 0      |
| 856 34 | 1,820 8      | 2,128 21 | 1,008 8      | 66 10                 | 155 8        | ...   | ...          | 45 15     | 74 0         | ...    | ...          | 7,768 10  | 15,353 8     |
| 213 39 | 458 2        | 532 6    | 1,622 2      | 16 23                 | 38 11        | ...   | ...          | 11 11     | 18 8         | ...    | ...          | 1,942 3   | 3,889 6      |
| 124 15 | 271 0        | 587 3    | 1,327 8      | ...                   | ...          | ...   | ...          | ...       | ...          | ...    | ...          | 1,652 18  | 3,985 0      |
| 26 30  | 59 0         | 1,110 37 | 2,392 8      | 114 34                | 269 8        | ...   | ...          | ...       | ...          | ...    | ...          | 2,737 19  | 6,146 12     |
| ...    | ...          | 18 10    | 37 8         | 99 5                  | 210 8        | ...   | ...          | ...       | ...          | ...    | ...          | 1,341 32  | 3,194 4      |
| 78 15  | 184 0        | 0 33     | 54 0         | ...                   | ...          | ...   | ...          | 14 15     | 22 0         | ...    | ...          | 1,226 35  | 2,995 8      |
| 329 30 | 504 0        | 1,736 0  | 3,811 8      | 204 39                | 480 0        | ...   | ...          | 14 15     | 22 0         | ...    | ...          | 6,653 24  | 16,221 8     |
| 57 15  | 123 0        | 414 0    | 952 14       | 51 10                 | 120 0        | ...   | ...          | 3 24      | 5 8          | ...    | ...          | 1,739 26  | 4,065 6      |
| 22 10  | 43 0         | 93 0     | 208 0        | 31 20                 | 77 8         | ...   | ...          | ...       | ...          | ...    | ...          | 765 0     | 1,810 8      |
| 85 10  | 191 8        | 403 6    | 913 0        | 9 15                  | 22 0         | ...   | ...          | ...       | ...          | ...    | ...          | 944 14    | 2,180 0      |
| 8 25   | 19 0         | 0 29     | 20 0         | ...                   | ...          | ...   | ...          | ...       | ...          | ...    | ...          | 553 20    | 1,354 0      |
| ...    | ...          | ...      | ...          | ...                   | ...          | ...   | ...          | ...       | ...          | ...    | ...          | 693 4     | 1,653 6      |
| 110 5  | 262 8        | 605 26   | 1,141 0      | 41 35                 | 99 8         | ...   | ...          | ...       | ...          | ...    | ...          | 2,955 38  | 6,999 14     |
| 29 1   | 65 10        | 136 17   | 285 4        | 10 30                 | 24 11        | ...   | ...          | ...       | ...          | ...    | ...          | 730 0     | 1,750 0      |
| 32 10  | 75 0         | 335 0    | 805 0        | 40 30                 | 97 0         | ...   | ...          | ...       | ...          | ...    | ...          | 2,325 35  | 6,258 8      |
| ...    | ...          | 278 21   | 699 8        | 29 0                  | 72 8         | ...   | ...          | ...       | ...          | ...    | ...          | 2,308 8   | 6,208 0      |
| 14 35  | 128 8        | 41 10    | 95 0         | ...                   | ...          | ...   | ...          | ...       | ...          | ...    | ...          | 2,697 17  | 5,729 8      |
| 51 0   | 69 0         | 17 5     | 30 8         | ...                   | ...          | ...   | ...          | ...       | ...          | ...    | ...          | 2,151 2   | 5,849 0      |
| 118 5  | 269 8        | 672 16   | 1,580 0      | 69 30                 | 169 8        | ...   | ...          | ...       | ...          | ...    | ...          | 8,882 22  | 24,085 0     |
| 29 5   | 67 6         | 168 4    | 395 0        | 17 18                 | 42 6         | ...   | ...          | ...       | ...          | ...    | ...          | 2,220 26  | 6,016 4      |

\* These figures represent sailab aided by flow.



| No. on Appendix III-A. | Name of Village. | Year.   | GARDENS, &c. |              | KHARIF.          |              |             |              |                     |              |          |              | Flow. |              |
|------------------------|------------------|---------|--------------|--------------|------------------|--------------|-------------|--------------|---------------------|--------------|----------|--------------|-------|--------------|
|                        |                  |         | Area.        | Assess-ment. | RICE UNDER FLOW. |              | OTHER FLOW. |              | FLOW AIDED BY LIFT. |              | LIFT.    |              | Area. | Assess-ment. |
|                        |                  |         |              |              | Area.            | Assess-ment. | Area.       | Assess-ment. | Area.               | Assess-ment. | Area.    | Assess-ment. |       |              |
| 1st Group-contd.       |                  |         | A. g.        | Rs. a.       | A. g.            | Rs. a.       | A. g.       | Rs. a.       | A. g.               | Rs. a.       | A. g.    | Rs. a.       | A. g. | Rs. a.       |
| 24                     | Chana            | 1893-94 | ...          | ...          | 1,315 26         | 3,455 8      | 55 15       | 134 0        | ...                 | ...          | 54 5     | 125 0        | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | 1,470 38         | 3,932 0      | 6 38        | 15 8         | ...                 | ...          | 15 35    | 36 0         | ...   | ...          |
|                        |                  | 1895-96 | 0 20         | 1 6          | 1,583 10         | 4,097 0      | 3 15        | 9 0          | ...                 | ...          | 7 35     | 16 0         | ...   | ...          |
|                        |                  | 1896-97 | 0 2          | 0 4          | 1,644 5          | 4,265 8      | 26 15       | 62 8         | ...                 | ...          | 101 10   | 228 8        | ...   | ...          |
|                        |                  | Total   | 0 22         | 1 10         | 6,013 39         | 15,650 0     | 92 3        | 221 0        | ...                 | ...          | 179 5    | 405 8        | ...   | ...          |
|                        |                  | Average | 0 5          | 0 0          | 1,503 20         | 3,912 8      | 23 1        | 55 4         | ...                 | ...          | 44 31    | 101 6        | ...   | ...          |
| 25                     | Kharihh          | 1893-94 | ...          | ...          | 1,912 30         | 5,403 0      | 24 15       | 64 0         | ...                 | ...          | 30 20    | 76 0         | ...   | ...          |
|                        |                  | 1894-95 | 3 20         | 8 0          | 2,422 39         | 6,795 0      | ...         | ...          | ...                 | ...          | 24 20    | 61 0         | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | 2,374 84         | 6,648 8      | ...         | ...          | ...                 | ...          | 67 13    | 184 0        | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | 2,301 39         | 6,437 0      | 5 30        | 13 0         | ...                 | ...          | 46 10    | 116 0        | ...   | ...          |
|                        |                  | Total   | 3 20         | 8 0          | 9,012 22         | 25,281 8     | 30 5        | 77 0         | ...                 | ...          | 168 23   | 417 0        | ...   | ...          |
|                        |                  | Average | 0 35         | 2 0          | 2,253 6          | 6,320 14     | 7 21        | 19 4         | ...                 | ...          | 42 6     | 104 4        | ...   | ...          |
| 26                     | Per Dhuari       | 1893-94 | ...          | ...          | 313 30           | 854 0        | 77 30       | 212 0        | ...                 | ...          | ...      | ...          | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | 618 0            | 1,615 0      | 39 25       | 110 0        | ...                 | ...          | 47 15    | 79 0         | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | 718 10           | 1,919 0      | 19 15       | 55 0         | ...                 | ...          | ...      | ...          | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | 740 25           | 2,047 6      | ...         | ...          | ...                 | ...          | ...      | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | 2,416 25         | 6,485 6      | 136 30      | 377 0        | ...                 | ...          | 47 15    | 79 0         | ...   | ...          |
|                        |                  | Average | ...          | ...          | 604 6            | 1,616 6      | 34 8        | 94 4         | ...                 | ...          | 11 34    | 19 12        | ...   | ...          |
| 27                     | Phulji           | 1893-94 | 0 25         | 0 15         | ...              | ...          | ...         | ...          | ...                 | ...          | 26 5     | 39 0         | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | 3 25             | 7 0          | ...         | ...          | ...                 | ...          | 59 8     | 96 8         | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 154 30   | 226 11       | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | 9 0              | 17 0         | ...         | ...          | ...                 | ...          | ...      | ...          | ...   | ...          |
|                        |                  | Total   | 0 25         | 0 15         | 12 25            | 24 0         | ...         | ...          | ...                 | ...          | 220 9    | 362 3        | ...   | ...          |
|                        |                  | Average | 0 6          | 0 4          | 3 6              | 6 0          | ...         | ...          | ...                 | ...          | 55 2     | 90 21        | ...   | ...          |
| 28                     | Shah Morio       | 1893-94 | ...          | ...          | ...              | ...          | 208 20      | 478 8        | 97 0                | 157 0        | 152 27   | 277 8        | ...   | ...          |
|                        |                  | 1894-95 | 0 5          | 0 4          | 90 35            | 174 0        | 126 25      | 210 8        | ...                 | ...          | 182 35   | 329 0        | ...   | ...          |
|                        |                  | 1895-96 | 3 10         | 6 8          | 5 25             | 9 0          | 157 0       | 295 8        | 8 25                | 14 8         | 172 19   | 304 10       | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | 24 27            | 42 9         | 341 18      | 631 1        | 47 9                | 78 8         | 121 5    | 211 8        | ...   | ...          |
|                        |                  | Total   | 3 15         | 6 12         | 121 7            | 225 0        | 803 23      | 1,615 9      | 152 34              | 250 0        | 628 6    | 1,122 10     | ...   | ...          |
|                        |                  | Average | 0 34         | 1 11         | 30 12            | 56 6         | 223 16      | 403 11       | 38 8                | 62 8         | 157 2    | 280 10       | ...   | ...          |
| 29                     | Mothiri          | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 187 0    | 264 0        | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 447 30   | 603 8        | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 271 20   | 378 8        | ...   | ...          |
|                        |                  | 1896-97 | 1 10         | 0 12         | ...              | ...          | ...         | ...          | ...                 | ...          | 122 3    | 152 9        | ...   | ...          |
|                        |                  | Total   | 1 10         | 0 12         | ...              | ...          | ...         | ...          | ...                 | ...          | 1,031 13 | 1,398 9      | ...   | ...          |
|                        |                  | Average | 0 12         | 0 3          | ...              | ...          | ...         | ...          | ...                 | ...          | 257 34   | 349 10       | ...   | ...          |
| 30                     | Khat             | 1893-94 | ...          | ...          | ...              | ...          | 55 0        | 81 0         | 6 20                | 9 0          | 415 15   | 577 0        | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 248 35   | 341 0        | ...   | ...          |
|                        |                  | 1895-96 | 0 1          | 0 1          | ...              | ...          | ...         | ...          | ...                 | ...          | 247 35   | 348 0        | ...   | ...          |
|                        |                  | 1896-97 | 1 35         | 3 1          | ...              | ...          | ...         | ...          | ...                 | ...          | 319 5    | 443 7        | ...   | ...          |
|                        |                  | Total   | 1 36         | 3 2          | ...              | ...          | 55 0        | 81 0         | 6 20                | 9 0          | 1,231 10 | 1,707 7      | ...   | ...          |
|                        |                  | Average | 0 19         | 0 13         | ...              | ...          | 13 30       | 20 4         | 1 25                | 2 4          | 307 32   | 426 14       | ...   | ...          |
| 31                     | Bahawalpur       | 1893-94 | ...          | ...          | 19 35            | 44 0         | 468 10      | 1,134 8      | 55 25               | 137 0        | ...      | ...          | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | ...              | ...          | 177 15      | 423 0        | ...                 | ...          | 4 0      | 7 0          | ...   | ...          |
|                        |                  | 1895-96 | 1 15         | 3 8          | 6 37             | 13 0         | 379 37      | 874 8        | 78 28               | 179 8        | 20 1     | 42 0         | ...   | ...          |
|                        |                  | 1896-97 | 3 35         | 10 8         | 93 17            | 209 11       | 940 8       | 2,177 5      | 68 31               | 161 5        | 22 30    | 53 1         | ...   | ...          |
|                        |                  | Total   | 5 10         | 14 0         | 120 9            | 266 11       | 1,955 30    | 4,610 5      | 202 6               | 477 13       | 46 31    | 102 1        | ...   | ...          |
|                        |                  | Average | 1 13         | 3 8          | 30 2             | 66 11        | 491 18      | 1,152 9      | 50 31               | 119 7        | 11 28    | 25 8         | ...   | ...          |
| 32                     | Kur Kalan        | 1893-94 | ...          | ...          | ...              | ...          | 7 21        | 19 12        | ...                 | ...          | ...      | ...          | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 93 34    | 76 0         | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 95 22    | 215 3        | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...      | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | ...              | ...          | 7 21        | 19 12        | ...                 | ...          | 129 16   | 291 3        | ...   | ...          |
|                        |                  | Average | ...          | ...          | ...              | ...          | 1 35        | 4 15         | ...                 | ...          | 32 14    | 72 13        | ...   | ...          |
| 33                     | Buthi            | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 64 18    | 125 0        | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | 3 23             | 9 12         | ...         | ...          | ...                 | ...          | 138 47   | 358 12       | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | 0 14             | 1 0          | ...         | ...          | ...                 | ...          | 4 12     | 8 8          | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | 8 30             | 25 7         | ...         | ...          | ...                 | ...          | ...      | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | 12 27            | 36 3         | ...         | ...          | ...                 | ...          | 197 7    | 492 4        | ...   | ...          |
|                        |                  | Average | ...          | ...          | 3 7              | 9 1          | ...         | ...          | ...                 | ...          | 49 12    | 123 1        | ...   | ...          |
| 34                     | Suranjri Jagir.  | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...      | ...          | ...   | ...          |
|                        |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...      | ...          | ...   | ...          |
|                        |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...      | ...          | ...   | ...          |
|                        |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...      | ...          | ...   | ...          |
|                        |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...      | ...          | ...   | ...          |
|                        |                  | Average | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...      | ...          | ...   | ...          |

## XIV-C—continued.

| RAH.    |             |          |             |                       |             |       |             | BARANI. |             |          |             | TOTAL.   |             |
|---------|-------------|----------|-------------|-----------------------|-------------|-------|-------------|---------|-------------|----------|-------------|----------|-------------|
| LIPT.   |             | SAILAB.  |             | SAILAB AIDED BY LIPT. |             | BOSI. |             | KHARIF. |             | RAH.     |             | Area.    | Assessment. |
| Area.   | Assessment. | Area.    | Assessment. | Area.                 | Assessment. | Area. | Assessment. | Area.   | Assessment. | Area.    | Assessment. |          |             |
| A. g.   | Rs. a.      | A. g.    | Rs. a.      | A. g.                 | Rs. a.      | A. g. | Rs. a.      | A. g.   | Rs. a.      | A. g.    | Rs. a.      | A. g.    | Rs. a.      |
| 53 5    | 129 0       | 369 20   | 857 8       | 325 5                 | 812 8       | ...   | ...         | ...     | ...         | ...      | ...         | 2,172 36 | 5,612 8     |
| 10 10   | 24 0        | 418 16   | 1,010 4     | 125 27                | 323 0       | ...   | ...         | ...     | ...         | ...      | ...         | 2,044 4  | 5,240 12    |
| 178 22  | 466 10      | 54 5     | 138 0       | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 1,927 27 | 4,718 0     |
| 116 16  | 294 4       | 21 20    | 52 0        | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 1,909 28 | 4,903 0     |
| 358 13  | 902 14      | 863 21   | 2,037 12    | 460 32                | 1,135 8     | ...   | ...         | ...     | ...         | ...      | ...         | 7,959 15 | 2,0374 4    |
| 89 23   | 225 12      | 215 35   | 514 7       | 112 28                | 283 14      | ...   | ...         | ...     | ...         | ...      | ...         | 1,940 24 | 5,093 9     |
| 191 20  | 454 0       | 481 8    | 1,048 4     | 84 25                 | 217 8       | ...   | ...         | ...     | ...         | ...      | ...         | 2,727 38 | 7,260 12    |
| 278 35  | 646 0       | 1,896 0  | 4,897 0     | 96 25                 | 156 0       | ...   | ...         | ...     | ...         | ...      | ...         | 4,413 24 | 12,609 0    |
| 143 30  | 356 8       | 16 15    | 42 0        | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 2,737 17 | 7,540 8     |
| 617 5   | 1,496 8     | 153 20   | 407 10      | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 2,654 0  | 7,330 2     |
| 154 11  | 374 2       | 637 21   | 1,620 11    | 37 34                 | 93 14       | ...   | ...         | ...     | ...         | ...      | ...         | 12,533 8 | 34,140 6    |
| 26 30   | 68 0        | 205 15   | 636 8       | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 3,133 12 | 8,536 1     |
| 15 15   | 32 0        | 900 4    | 2,273 0     | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 633 25   | 1,770 8     |
| ...     | ...         | 24 16    | 61 0        | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 1,614 4  | 4,107 0     |
| ...     | ...         | 41 35    | 98 0        | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 777 10   | 2,067 0     |
| 52 5    | 100 0       | 1,240 24 | 3,008 8     | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 808 20   | 2,145 6     |
| 13 1    | 25 0        | 310 6    | 767 2       | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 3,883 10 | 10,089 14   |
| ...     | ...         | 29 10    | 50 1        | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 973 15   | 2,522 8     |
| 24 0    | 37 0        | 27 5     | 48 0        | 99 20                 | 217 8       | ...   | ...         | 571 6   | 890 12      | ...      | ...         | 627 6    | 980 12      |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | 3 4     | 5 0         | ...      | ...         | 154 10   | 309 8       |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 62 12    | 101 8       |
| 24 0    | 37 0        | 56 15    | 98 1        | 90 20                 | 217 8       | ...   | ...         | 574 10  | 895 12      | ...      | ...         | 143 36   | 243 11      |
| 6 0     | 9 4         | 14 4     | 24 8        | 24 35                 | 51 6        | ...   | ...         | 143 22  | 223 15      | ...      | ...         | 987 24   | 1,655 4     |
| 244 36  | 473 2       | 179 17   | 333 12      | 46 25                 | 81 8        | ...   | ...         | ...     | ...         | ...      | ...         | 246 36   | 408 14      |
| 83 28   | 158 0       | 537 8    | 1,019 0     | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| 145 5   | 277 14      | 149 15   | 293 8       | 75 30                 | 165 0       | ...   | ...         | ...     | ...         | ...      | ...         | 989 5    | 1,801 6     |
| 224 20  | 447 8       | 7 19     | 19 7        | 27 24                 | 66 14       | ...   | ...         | ...     | ...         | ...      | ...         | 1,021 16 | 1,890 12    |
| 698 9   | 1,356 8     | 873 19   | 1,665 11    | 140 38                | 313 6       | ...   | ...         | ...     | ...         | ...      | ...         | 717 9    | 1,366 8     |
| 174 22  | 389 2       | 218 14   | 416 7       | 37 20                 | 78 6        | ...   | ...         | ...     | ...         | ...      | ...         | 793 1    | 1,497 7     |
| 182 25  | 317 8       | 8 33     | 15 9        | 10 27                 | 20 0        | ...   | ...         | ...     | ...         | ...      | ...         | 3,820 31 | 6,556 1     |
| 305 4   | 612 8       | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 890 8    | 1,639 0     |
| 237 11  | 414 8       | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| 136 4   | 251 2       | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| 861 4   | 1,495 10    | 8 33     | 15 4        | 10 27                 | 20 0        | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| 215 11  | 373 15      | 2 8      | 3 14        | 2 27                  | 5 0         | ...   | ...         | ...     | ...         | ...      | ...         | 1,913 7  | 2,930 7     |
| 423 3   | 619 8       | 20 21    | 53 0        | 30 30                 | 64 0        | ...   | ...         | ...     | ...         | ...      | ...         | 478 12   | 732 10      |
| 640 12  | 902 8       | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| 204 8   | 342 15      | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 960 9    | 1,403 8     |
| 32 20   | 53 0        | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 808 7    | 1,243 8     |
| 1,349 3 | 1,917 15    | 20 21    | 53 0        | 30 30                 | 64 0        | ...   | ...         | ...     | ...         | ...      | ...         | 452 4    | 689 0       |
| 827 11  | 479 8       | 5 5      | 13 4        | 9 25                  | 16 0        | ...   | ...         | ...     | ...         | ...      | ...         | 363 20   | 499 8       |
| 80 5    | 206 0       | 708 22   | 1,895 1     | 63 20                 | 149 0       | ...   | ...         | ...     | ...         | ...      | ...         | 2,664 0  | 3,835 8     |
| 147 13  | 353 8       | 506 13   | 1,192 0     | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 660 0    | 958 14      |
| 194 1   | 459 6       | 412 39   | 959 0       | 159 33                | 380 0       | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| 427 19  | 1,018 14    | 92 18    | 224 14      | 65 11                 | 149 13      | ...   | ...         | ...     | ...         | ...      | ...         | 1,401 37 | 3,804 12    |
| 106 35  | 254 12      | 430 3    | 1,017 13    | 72 6                  | 169 11      | ...   | ...         | ...     | ...         | ...      | ...         | 687 28   | 1,621 0     |
| 402 23  | 1,206 0     | 630 38   | 820 12      | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 1,207 8  | 2,805 0     |
| 76 15   | 182 8       | 4,677 28 | 12,264 8    | 398 2                 | 1,388 8     | ...   | ...         | ...     | ...         | ...      | ...         | 1,480 33 | 3,445 15    |
| 46 0    | 138 0       | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| 524 38  | 1,526 8     | 5,308 26 | 13,085 4    | 398 2                 | 1,388 8     | ...   | ...         | 433 13  | 560 8       | 2,198 28 | 2,233 15    | 8,001 24 | 19,105 10   |
| 131 10  | 381 10      | 1,327 7  | 3,371 5     | 99 21                 | 347 2       | ...   | ...         | 108 7   | 140 2       | 540 37   | 558 8       | 2,350 16 | 4,776 2     |
| ...     | ...         | 522 19   | 319 12      | 97 19                 | 293 4       | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| 131 10  | 369 0       | 1,244 34 | 714 0       | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 694 16   | 736 0       |
| 91 6    | 265 0       | 47 16    | 26 12       | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 1,376 34 | 1,982 8     |
| 222 16  | 634 0       | 79 14    | 39 7        | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 183 12   | 405 4       |
| 55 24   | 168 8       | 1,804 3  | 1,099 15    | 97 19                 | 293 4       | ...   | ...         | ...     | ...         | ...      | ...         | 179 10   | 329 13      |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 2,423 32 | 2,555 10    |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | 605 38   | 638 14      |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         | ...      | ...         |
| ...     | ...         | ...      | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...      | ...         |          |             |

[illegible]

[illegible]



[illegible]

## XIV-C—continued.

| RABI. |              |         |              |                       |              |       |              | BARANI.  |              |        |              | TOTAL.   |              |
|-------|--------------|---------|--------------|-----------------------|--------------|-------|--------------|----------|--------------|--------|--------------|----------|--------------|
| LIFT. |              | SAILAN. |              | SAILAN AIDED BY LIFT. |              | BOSI. |              | KHAJIP.  |              | RABI.  |              | Area.    | Assess-ment. |
| Area. | Assess-ment. | Area.   | Assess-ment. | Area.                 | Assess-ment. | Area. | Assess-ment. | Area.    | Assess-ment. | Area.  | Assess-ment. |          |              |
| A. g. | Rs. a.       | A. g.   | Rs. a.       | A. g.                 | Rs. a.       | A. g. | Rs. a.       | A. g.    | Rs. a.       | A. g.  | Rs. a.       | A. g.    | Rs. a.       |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 943 18   | 1,534 0      | ...    | ...          | 943 18   | 1,534 0      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 1,415 9  | 2,298 0      | 96 33  | 186 8        | 1,511 2  | 2,484 8      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 404 16   | 659 14       | 115 4  | 186 8        | 519 20   | 845 6        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 981 31   | 1,433 14     | 398 39 | 649 12       | 1,380 30 | 2,082 10     |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 3,644 84 | 5,925 12     | 609 36 | 990 12       | 4,254 30 | 6,916 8      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 911 9    | 1,481 7      | 162 36 | 247 11       | 1,073 28 | 1,729 2      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 907 34   | 1,561 12     | 9 8    | 16 0         | 916 39   | 1,576 12     |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 1,068 11 | 1,724 5      | 73 33  | 118 13       | 1,141 2  | 1,844 17     |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 995 39   | 1,607 8      | 144 0  | 231 8        | 1,139 39 | 1,839 0      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 1,108 8  | 1,800 7      | 217 16 | 363 9        | 1,325 31 | 2,164 8      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 4,137 12 | 6,094 0      | 444 14 | 718 14       | 4,582 31 | 7,414 13     |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 1,034 13 | 1,073 8      | 111 3  | 179 11       | 1,145 28 | 1,863 11     |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 624 17   | 1,013 8      | ...    | ...          | 624 17   | 1,013 8      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 408 30   | 639 12       | ...    | ...          | 408 30   | 659 12       |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 463 29   | 754 6        | ...    | ...          | 463 29   | 764 6        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 543 30   | 941 0        | 4 29   | 4 12         | 548 19   | 945 12       |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 2,078 26 | 3,368 10     | 4 29   | 4 12         | 2,083 15 | 3,373 6      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 519 26   | 842 3        | 1 7    | 1 3          | 520 34   | 843 6        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 558 18   | 902 4        | ...    | ...          | 558 18   | 904 4        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 638 18   | 1,025 0      | ...    | ...          | 638 18   | 1,025 0      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 550 14   | 884 14       | 8 15   | 13 8         | 558 29   | 898 6        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 551 0    | 896 9        | ...    | ...          | 551 0    | 896 9        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 2,208 10 | 3,710 11     | 8 15   | 13 8         | 2,306 25 | 3,724 3      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 574 23   | 927 11       | 2 4    | 3 6          | 576 26   | 931 1        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 291 32   | 476 0        | ...    | ...          | 291 32   | 476 0        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 1,247 37 | 1,998 0      | 34 5   | 55 0         | 1,282 2  | 2,053 0      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 436 38   | 710 3        | 54 15  | 89 0         | 491 13   | 799 2        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 551 20   | 885 12       | 6 25   | 10 12        | 558 5    | 896 8        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 2,528 7  | 4,009 14     | 95 5   | 154 12       | 2,623 12 | 4,224 10     |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 632 2    | 1,017 8      | 23 31  | 38 11        | 655 33   | 1,060 3      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 617 34   | 1,003 8      | ...    | ...          | 617 34   | 1,003 8      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 1,459 36 | 2,371 0      | 14 15  | 24 0         | 1,474 11 | 2,395 0      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 641 19   | 1,046 8      | ...    | ...          | 641 19   | 1,046 8      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 666 11   | 1,083 7      | 162 30 | 248 6        | 819 1    | 1,331 18     |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 3,385 20 | 5,504 7      | 167 5  | 272 6        | 3,552 25 | 5,776 13     |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 846 15   | 1,376 2      | 41 31  | 68 2         | 888 6    | 1,444 3      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 722 19   | 1,174 0      | ...    | ...          | 722 19   | 1,174 0      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 1,829 39 | 2,954 12     | 1 17   | 2 8          | 1,831 16 | 2,957 4      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 947 0    | 1,527 12     | 7 15   | 12 0         | 954 15   | 1,539 12     |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 1,614 17 | 2,499 5      | 92 36  | 151 0        | 1,707 13 | 2,650 8      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 5,113 45 | 8,155 13     | 101 28 | 165 8        | 5,215 23 | 8,321 8      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 1,278 19 | 2,038 15     | 25 17  | 41 6         | 1,303 36 | 2,080 5      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 146 1    | 229 8        | ...    | ...          | 146 1    | 229 8        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 1,506 30 | 2,448 14     | ...    | ...          | 1,506 30 | 2,448 14     |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 421 37   | 671 8        | ...    | ...          | 421 37   | 671 8        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 801 22   | 1,339 10     | 33 2   | 53 0         | 834 24   | 1,392 10     |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 2,896 10 | 4,689 8      | 33 2   | 53 0         | 3,029 12 | 4,742 8      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 749 3    | 1,172 6      | 8 11   | 13 4         | 757 13   | 1,185 10     |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 76 15    | 120 8        | ...    | ...          | 76 15    | 120 8        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 158 0    | 256 8        | 6 13   | 8 0          | 164 13   | 264 8        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 129 25   | 210 11       | ...    | ...          | 129 25   | 210 11       |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 304 1    | 587 11       | 6 13   | 8 0          | 370 13   | 595 11       |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 91 0     | 146 15       | 1 23   | 2 0          | 92 23    | 148 15       |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 540 5    | 842 8        | ...    | ...          | 540 5    | 842 8        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 305 15   | 490 14       | ...    | ...          | 305 15   | 490 14       |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 496 16   | 777 9        | ...    | ...          | 496 16   | 777 9        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 1,331 36 | 2,110 15     | ...    | ...          | 1,331 36 | 2,110 15     |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 333 39   | 527 12       | ...    | ...          | 333 39   | 527 12       |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 632 18   | 1,009 8      | ...    | ...          | 632 18   | 1,009 8      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 318 35   | 517 8        | ...    | ...          | 318 35   | 517 8        |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 648 17   | 1,064 8      | ...    | ...          | 648 17   | 1,064 8      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 1,599 30 | 2,581 8      | ...    | ...          | 1,599 30 | 2,581 8      |
| ...   | ...          | ...     | ...          | ...                   | ...          | ...   | ...          | 399 38   | 645 6        | ...    | ...          | 399 38   | 645 6        |

| No. on Appendix II-A. | Name of Village. | Year.   | GARDENS, &c. |              | KHARIF.          |              |             |              |                     |              |       |              |       |              |
|-----------------------|------------------|---------|--------------|--------------|------------------|--------------|-------------|--------------|---------------------|--------------|-------|--------------|-------|--------------|
|                       |                  |         |              |              | RICE UNDER FLOW. |              | OTHER FLOW. |              | FLOW AIDED BY LIFT. |              | LIFT. |              | FLOW. |              |
|                       |                  |         | Area.        | Assess-ment. | Area.            | Assess-ment. | Area.       | Assess-ment. | Area.               | Assess-ment. | Area. | Assess-ment. | Area. | Assess-ment. |
|                       | 1st Group—contd. |         | A. g.        | Rs. a.       | A. g.            | Rs. a.       | A. g.       | Rs. a.       | A. g.               | Rs. a.       | A. g. | Rs. a.       | A. g. | Rs. a.       |
| 64                    | Miran Machhi     | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   | ...          |
|                       |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Average | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
| 65                    | Nai Takti        | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   | ...          |
|                       |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Average | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
| 68                    | Halejo           | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   | ...          |
|                       |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Average | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
| 69                    | Jalab            | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   | ...          |
|                       |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Average | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
| 71                    | Wahi Pandhi      | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   | ...          |
|                       |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Average | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
| 73                    | Kokrani          | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   | ...          |
|                       |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Average | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
| 74                    | Nali             | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   | ...          |
|                       |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Average | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
| 75                    | Thul             | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   | ...          |
|                       |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Average | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
| 76                    | Sawiro           | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   | ...          |
|                       |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Average | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
| 79                    | Bahlel           | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   | ...          |
|                       |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Average | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
| 80                    | Shaiman          | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   | ...          |
|                       |                  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |
|                       |                  | Average | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | ...   | ...          | ...   |              |

[illegible]



| No. on Appendix III-A.            | Name of Village. | Year.   | GARDENS, &c.          |             | KHARIF.          |             |             |             |                     |             |           |             |       |             |     |
|-----------------------------------|------------------|---------|-----------------------|-------------|------------------|-------------|-------------|-------------|---------------------|-------------|-----------|-------------|-------|-------------|-----|
|                                   |                  |         |                       |             | RICH UNDER FLOW. |             | OTHER FLOW. |             | FLOW AIDED BY LIFT. |             | LIFT.     |             | FLOW. |             |     |
|                                   |                  |         | Area.                 | Assessment. | Area.            | Assessment. | Area.       | Assessment. | Area.               | Assessment. | Area.     | Assessment. | Area. | Assessment. |     |
| 1st Group-contd.                  |                  |         | A. g.                 | Rs. a.      | A. g.            | Rs. a.      | A. g.       | Rs. a.      | A. g.               | Rs. a.      | A. g.     | Rs. a.      | A. g. | Rs. a.      |     |
| 81                                | Tok Kasim        | 1893-94 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1894-95 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | 1895-96 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | 1896-97 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | Total   | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | Average | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
| 82                                | Khadani          | 1893-94 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1894-95 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | 1895-96 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | 1896-97 | 0 10                  | 0 6         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | Total   | 0 10                  | 0 6         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | Average | 0 3                   | 0 2         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
| 83                                | Angai            | 1893-94 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1894-95 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | 1895-96 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | 1896-97 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | Total   | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | Average | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
| 84                                | Basham Fakir     | 1893-94 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1894-95 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | 1895-96 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | 1896-97 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | Total   | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   |                  | Average | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
| 85                                | Chhini           | 1893-94 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | 6 35      | 13 0        | ...   | ...         |     |
|                                   |                  | 1894-95 | ...                   | ...         | ...              | ...         | 25 30       | 71 0        | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1895-96 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1896-97 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | Total   | ...                   | ...         | ...              | ...         | 25 30       | 71 0        | ...                 | ...         | ...       | 6 35        | 13 0  | ...         | ... |
|                                   |                  | Average | ...                   | ...         | ...              | ...         | 6 18        | 17 12       | ...                 | ...         | ...       | 1 29        | 3 4   | ...         | ... |
| Total Johi Dehs                   | 1893-94          | 13 30   | 20 10                 | 10,109 22   | 27,569 0         | 1,371 23    | 3,162 4     | 182 15      | 354 0               | 2,465 17    | 4,407 2   | ...         | ...   |             |     |
|                                   | 1894-95          | 5 9     | 12 12                 | 13,843 4    | 37,356 4         | 709 9       | 1,916 0     | ...         | ...                 | 2,927 20    | 5,111 4   | 306 28      | 657 8 |             |     |
|                                   | 1895-96          | 22 17   | 47 10                 | 14,096 37   | 39,127 8         | 646 18      | 1,580 8     | 410 23      | 265 0               | 2,371 36    | 4,261 8   | ...         | ...   |             |     |
|                                   | 1896-97          | 11 9    | 24 3                  | 14,316 33   | 39,078 9         | 1,593 55    | 3,345 15    | 143 22      | 314 13              | 2,680 0     | 4,999 15  | ...         | ...   |             |     |
|                                   | Total            | 53 25   | 105 3                 | 62,279 16   | 1,42,131 5       | 4,024 5     | 10,004 11   | 436 20      | 933 13              | 10,344 33   | 18,769 13 | 306 28      | 657 8 |             |     |
|                                   | Average          | 13 16   | 26 5                  | 13,069 34   | 35,532 15        | 1,156 1     | 2,051 3     | 109 5       | 233 7               | 2,586 8     | 4,692 7   | 76 27       | 164 6 |             |     |
| 2nd Group.                        |                  |         | Dehs transferred from |             |                  |             |             |             |                     |             |           |             |       |             |     |
| 86                                | Tor              | 1893-94 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1894-95 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1895-96 | ...                   | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1896-97 | 3 5                   | 8 13        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | Total   | 3 5                   | 8 13        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | Average | 0 31                  | 2 3         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
| 87                                | Ladho Dero       | 1893-94 | 0 16                  | 0 9         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1894-95 | 8 35                  | 10 3        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1895-96 | 0 25                  | 1 10        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1896-97 | 5 2                   | 7 13        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | Total   | 12 37                 | 20 3        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | Average | 3 9                   | 5 1         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
| 88                                | Rajo Dero        | 1893-94 | 0 16                  | 0 11        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1894-95 | 17 10                 | 24 3        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1895-96 | 22 18                 | 29 10       | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1896-97 | 6 25                  | 9 11        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | Total   | 46 29                 | 64 3        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | Average | 11 27                 | 16 1        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
| 89                                | Kasbo            | 1893-94 | 7 9                   | 12 5        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1894-95 | 10 33                 | 18 5        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1895-96 | 18 19                 | 26 2        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | 1896-97 | 18 31                 | 27 4        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | Total   | 52 12                 | 84 0        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
|                                   |                  | Average | 13 3                  | 21 0        | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   | ...         |     |
| Total of 2nd Group of Kakar Dehs. | 1893-94          | 8 0     | 13 9                  | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   | 1894-95          | 34 38   | 52 11                 | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   | 1895-96          | 41 22   | 57 6                  | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   | 1896-97          | 30 23   | 53 9                  | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   | Total            | 115 3   | 177 3                 | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |
|                                   | Average          | 28 31   | 44 5                  | ...         | ...              | ...         | ...         | ...         | ...                 | ...         | ...       | ...         | ...   |             |     |

## XIV-C—continued.

| RABI.             |              |           |              |                        |              |        |              | BARANI.    |              |          |              | TOTAL.     |              |
|-------------------|--------------|-----------|--------------|------------------------|--------------|--------|--------------|------------|--------------|----------|--------------|------------|--------------|
| LIFT.             |              | SAILAB.   |              | SAILAB. AIDED BY LIFT. |              | ROST.  |              | KHARIF.    |              | RABI.    |              | Area.      | Assess-ment. |
| Area.             | Assess-ment. | Area.     | Assess-ment. | Area.                  | Assess-ment. | Area.  | Assess-ment. | Area.      | Assess-ment. | Area.    | Assess-ment. |            |              |
| A. g.             | Rs. a.       | A. g.     | Rs. a.       | A. g.                  | Rs. a.       | A. g.  | Rs. a.       | A. g.      | Rs. a.       | A. g.    | Rs. a.       | A. g.      | Rs. a.       |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 84 12      | 104 8        | ...      | ...          | 84 12      | 104 8        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 122 35     | 154 8        | ...      | ...          | 122 35     | 154 8        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 134 39     | 169 14       | ...      | ...          | 134 39     | 169 14       |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 116 10     | 145 9        | ...      | ...          | 116 10     | 145 9        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 468 16     | 574 7        | ...      | ...          | 468 16     | 574 7        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 114 24     | 143 10       | ...      | ...          | 114 24     | 143 10       |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 645 29     | 801 10       | ...      | ...          | 645 29     | 801 10       |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 1,560 39   | 1,914 6      | ...      | ...          | 1,560 39   | 1,914 6      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 1,016 38   | 2,373 10     | ...      | ...          | 1,916 38   | 2,373 10     |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 2,108 23   | 2,638 6      | ...      | ...          | 2,108 23   | 2,638 6      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 6,241 9    | 7,740 0      | ...      | ...          | 6,241 19   | 7,740 6      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 1,560 12   | 1,935 0      | ...      | ...          | 1,560 15   | 1,936 2      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 548 5      | 554 8        | ...      | ...          | 548 5      | 554 8        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 3,540 8    | 4,673 0      | ...      | ...          | 3,540 8    | 4,673 0      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 2,296 0    | 2,948 10     | 14 0     | 28 0         | 2,310 0    | 2,971 10     |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 3,096 27   | 4,177 9      | ...      | ...          | 3,096 27   | 4,177 9      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 9,180 0    | 12,253 11    | 14 0     | 23 0         | 9,194 0    | 12,276 11    |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 2,370 0    | 3,063 7      | 3 20     | 5 12         | 2,373 20   | 3,068 3      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 236 33     | 302 0        | ...      | ...          | 236 33     | 302 0        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 983 24     | 1,341 2      | ...      | ...          | 983 24     | 1,341 2      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 356 21     | 404 4        | 13 0     | 21 0         | 369 21     | 425 4        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 500 23     | 644 15       | ...      | ...          | 500 23     | 644 15       |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 2,047 21   | 2,692 5      | 13 0     | 21 0         | 2,060 21   | 2,713 5      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 511 35     | 673 1        | 3 10     | 5 4          | 515 5      | 678 5        |
| ...               | ...          | 55 25     | 153 8        | ...                    | ...          | ...    | ...          | 328 27     | 440 2        | ...      | ...          | 328 27     | 440 2        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 1,733 7    | 2,468 6      | ...      | ...          | 1,733 7    | 2,468 6      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 977 2      | 1,393 6      | 6 26     | 6 8          | 983 28     | 1,399 14     |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 1,271 27   | 1,768 2      | ...      | ...          | 1,271 27   | 1,769 2      |
| ...               | ...          | 55 25     | 153 8        | ...                    | ...          | ...    | ...          | 4,310 23   | 6,078 0      | 6 26     | 6 8          | 4,316 29   | 6,084 8      |
| ...               | ...          | 13 36     | 38 6         | ...                    | ...          | ...    | ...          | 1,077 26   | 1,519 8      | 1 27     | 1 10         | 1,078 53   | 1,520 18     |
| 3,681 15          | 5,912 8      | 12,155 36 | 23,403 0     | 1,850 35               | 4,655 14     | ...    | ...          | 18,790 14  | 27,780 14    | 61 0     | 109 0        | 18,851 14  | 27,889 14    |
| 1,573 9           | 2,880 14     | 19,536 13 | 32,987 10    | 1,860 25               | 4,552 4      | ...    | ...          | 48,147 4   | 71,006 15    | 816 2    | 1,305 1      | 49,000 15  | 72,311 15    |
| 2,153 4           | 4,888 5      | 5,113 37  | 11,780 8     | 619 27                 | 1,067 8      | 712 38 | 1,968 0      | 30,242 31  | 44,120 12    | 1,951 29 | 3,000 5      | 31,193 60  | 47,120 17    |
| 1,369 38          | 3,142 8      | 9,794 16  | 21,599 13    | 363 30                 | 1,164 15     | ...    | ...          | 37,307 19  | 50,061 0     | 3,973 2  | 5,286 14     | 41,280 21  | 55,347 14    |
| 7,785 28          | 16,674 3     | 40,000 25 | 90,631 8     | 4,730 37               | 12,040 9     | 712 39 | 1,968 0      | 134,730 30 | 198,544 9    | 6,801 33 | 9,701 4      | 201,531 63 | 298,245 33   |
| 1,918 17          | 4,168 9      | 11,650 6  | 24,057 14    | 1,182 29               | 3,010 2      | 178 9  | 401 8        | 33,605 8   | 40,036 2     | 1,709 19 | 2,425 5      | 35,314 27  | 42,461 7     |
| the Kakar Taluka. |              |           |              |                        |              |        |              |            |              |          |              |            |              |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 543 10     | 708 1        | 494 15   | 1,390 0      | 1,037 25   | 2,098 1      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 622 16     | 803 9        | 656 37   | 1,841 4      | 1,279 12   | 2,564 13     |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 592 30     | 771 9        | 634 11   | 1,784 0      | 1,227 1    | 2,555 9      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 887 35     | 1,162 1      | 492 21   | 1,385 3      | 1,393 21   | 2,566 1      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 2,616 10   | 3,445 4      | 2,278 4  | 6,400 7      | 4,927 19   | 9,854 8      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 861 23     | 861 5        | 569 21   | 1,600 2      | 1,231 35   | 2,493 10     |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 372 20     | 489 0        | 169 30   | 453 7        | 533 25     | 643 0        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 265 30     | 336 15       | 327 30   | 901 14       | 590 15     | 1,249 0      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 134 20     | 440 8        | 193 25   | 510 6        | 528 30     | 658 8        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 897 10     | 506 3        | 76 58    | 204 1        | 469 10     | 720 1        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 1,350 0    | 1,774 10     | 759 3    | 2,069 12     | 2,122 0    | 3,891 9      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 337 20     | 443 11       | 180 31   | 524 15       | 630 29     | 973 10       |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 629 24     | 714 0        | 434 13   | 1,218 5      | 984 13     | 1,698 1      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 586 36     | 752 1        | 498 4    | 1,397 8      | 1,102 10   | 2,203 12     |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 553 10     | 737 6        | 367 22   | 1,105 8      | 973 10     | 1,872 8      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 569 12     | 759 1        | 488 29   | 1,331 2      | 1,004 26   | 2,099 14     |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 2,239 2    | 2,992 8      | 1,518 28 | 5,052 7      | 4,104 19   | 8,100 2      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 550 30     | 748 2        | 454 27   | 1,263 2      | 1,026 8    | 2,027 5      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 255 5      | 336 0        | 171 37   | 488 11       | 434 11     | 837 0        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 246 26     | 323 9        | 270 14   | 740 2        | 527 33     | 1,062 0      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 206 15     | 271 12       | 162 16   | 453 6        | 387 1      | 761 4        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 223 5      | 291 3        | 196 32   | 552 12       | 435 28     | 871 4        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 981 11     | 1,222 9      | 601 19   | 2,234 15     | 1,785 2    | 3,541 8      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 232 33     | 305 10       | 200 15   | 558 12       | 440 11     | 885 6        |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 1,700 10   | 2,247 1      | 1,261 15 | 3,650 7      | 2,989 34   | 5,911 1      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 1,711 27   | 2,246 2      | 1,753 5  | 4,580 12     | 3,499 30   | 7,179 9      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 1,636 35   | 2,221 3      | 1,357 34 | 3,843 4      | 3,116 11   | 6,161 13     |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 2,067 22   | 2,720 9      | 1,255 0  | 3,473 2      | 3,353 5    | 6,247 4      |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 7,166 23   | 9,444 15     | 5,667 14 | 15,787 9     | 12,939 0   | 25,399 11    |
| ...               | ...          | ...       | ...          | ...                    | ...          | ...    | ...          | 1,791 23   | 2,358 12     | 1,414 13 | 3,946 14     | 3,234 30   | 6,349 16     |

## APPENDIX

| No. on Appendix III A. | Name of Village.                           | Year.   | GARDENS, &c. |              | KHARIF.          |              |             |              |                     |              |           |              | FLOW.  |              |
|------------------------|--|---------|--------------|--------------|------------------|--------------|-------------|--------------|---------------------|--------------|-----------|--------------|--------|--------------|
|                        |  |         |              |              | RICE UNDER FLOW. |              | OTHER FLOW. |              | FLOW AIDED BY LIFT. |              | LIFT.     |              |        |              |
|                        |  |         | Area.        | Assess-ment. | Area.            | Assess-ment. | Area.       | Assess-ment. | Area.               | Assess-ment. | Area.     | Assess-ment. | Area.  | Assess-ment. |
| 92                     | 3rd Group.                                 |         | A. g.        | Rs. a.       | A. g.            | Rs. a.       | A. g.       | Rs. a.       | A. g.               | Rs. a.       | A. g.     | Rs. a.       | A. g.  | Rs. a.       |
|                        | Kot Rajo                                   | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 45 30     | 101 5        | ...    | ...          |
|                        |  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 61 20     | 135 8        | ...    | ...          |
|                        |  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 64 30     | 152 0        | ...    | ...          |
|                        |  | 1896-97 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 121 5     | 274 4        | ...    | ...          |
|                        |  | Total   | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 293 5     | 663 1        | ...    | ...          |
| 93                     | Thariri Shahid.                            | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 293 8     | 674 0        | ...    | ...          |
|                        |  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 287 15    | 683 0        | ...    | ...          |
|                        |  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 421 21    | 1,002 0      | ...    | ...          |
|                        |  | 1896-97 | ...          | ...          | ...              | 5 23         | 15 8        | ...          | ...                 | ...          | 312 28    | 725 8        | ...    | ...          |
|                        |  | Total   | ...          | ...          | ...              | 5 23         | 15 8        | ...          | ...                 | ...          | 1,337 32  | 3,084 8      | ...    | ...          |
|                        |  | Average | ...          | ...          | ...              | 1 1          | 3 14        | ...          | ...                 | ...          | 334 18    | 771 2        | ...    | ...          |
|                        | Total of 3rd Group of Kakar Dehs.          | 1893-94 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 838 38    | 775 5        | ...    | ...          |
|                        |  | 1894-95 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 353 35    | 818 8        | ...    | ...          |
|                        |  | 1895-96 | ...          | ...          | ...              | ...          | ...         | ...          | ...                 | ...          | 490 11    | 1,154 0      | ...    | ...          |
|                        |  | 1896-97 | ...          | ...          | ...              | 5 23         | 15 8        | ...          | ...                 | ...          | 433 33    | 990 12       | ...    | ...          |
|                        |  | Total   | ...          | ...          | ...              | 5 23         | 15 8        | ...          | ...                 | ...          | 1,630 37  | 3,747 9      | ...    | ...          |
|                        |  | Average | ...          | ...          | ...              | 1 16         | 3 14        | ...          | ...                 | ...          | 407 29    | 936 14       | ...    | ...          |
|                        | Total of 2nd and 3rd Groups of Kakar Dehs. | 1893-94 | 8 0          | 13 9         | ...              | ...          | ...         | ...          | ...                 | ...          | 338 38    | 775 5        | ...    | ...          |
|                        |  | 1894-95 | 34 33        | 82 11        | ...              | ...          | ...         | ...          | ...                 | ...          | 353 35    | 818 8        | ...    | ...          |
|                        |  | 1895-96 | 41 22        | 87 6         | ...              | ...          | ...         | ...          | ...                 | ...          | 490 11    | 1,154 0      | ...    | ...          |
|                        |  | 1896-97 | 30 23        | 53 9         | ...              | ...          | 5 23        | 15 8         | ...                 | ...          | 433 33    | 990 12       | ...    | ...          |
|                        |  | Total   | 115 3        | 177 3        | ...              | ...          | 5 23        | 15 8         | ...                 | ...          | 1,630 37  | 3,747 9      | ...    | ...          |
|                        |  | Average | 28 31        | 44 5         | ...              | ...          | 1 16        | 3 14         | ...                 | ...          | 407 29    | 936 14       | ...    | ...          |
|                        | Grand Total, Johi and Kakar Dehs.          | 1893-94 | 21 30        | 34 3         | 10,169 22        | 27,569 0     | 1,371 23    | 3,162 4      | 182 15              | 354 0        | 2,804 15  | 5,182 7      | ...    | ...          |
|                        |  | 1894-95 | 41 7         | 65 7         | 13,643 4         | 37,156 4     | 709 9       | 1,816 0      | ...                 | ...          | 3,280 15  | 5,920 12     | 306 28 | 657 8        |
|                        |  | 1895-96 | 63 59        | 105 0        | 14,009 37        | 34,127 8     | 648 18      | 1,180 8      | 110 23              | 265 0        | 2,871 7   | 5,405 8      | ...    | ...          |
|                        |  | 1896-97 | 41 32        | 77 12        | 14,316 33        | 39,078 9     | 1,902 20    | 4,361 7      | 143 22              | 314 13       | 3,013 83  | 5,990 11     | ...    | ...          |
|                        |  | Total   | 168 24       | 282 6        | 52,279 16        | 1,42,131 5   | 4,629 30    | 10,620 3     | 436 20              | 993 13       | 11,975 30 | 22,517 6     | 306 28 | 657 8        |
|                        |  | Average | 42 7         | 70 10        | 13,069 34        | 35,532 13    | 1,157 17    | 2,655 1      | 109 5               | 233 7        | 2,803 38  | 5,629 6      | 78 27  | 164 6        |

Note. In the statement given in paragraph 36 of the report, showing the fluctuations under each kind of irrigation, 26 acres 15 guntas in 1893-94, and 109 added by flow " have been shown under the column of "Sailab," as these kinds of irrigation were not properly understood by the subordinate officers of the A.V.I. been shown under the column "Sailab aided by lift."

## XIV.C—concluded.

| RABI.    |              |           |              |                       |              |        |              | BARANI.    |              |          |              | TOTAL.     |              |
|----------|--------------|-----------|--------------|-----------------------|--------------|--------|--------------|------------|--------------|----------|--------------|------------|--------------|
| LIFT.    |              | SAILAB.   |              | SAILAB AIDED BY LIFT. |              | ROST.  |              | KHARIF.    |              | RABI.    |              |            |              |
| Area.    | Assess-ment. | Area.     | Assess-ment. | Area.                 | Assess-ment. | Area.  | Assess-ment. | Area.      | Assess-ment. | Area.    | Assess-ment. | Area.      | Assess-ment. |
| A. g.    | Rs. a.       | A. g.     | Rs. a.       | A. g.                 | Rs. a.       | A. g.  | Rs. a.       | A. g.      | Rs. a.       | A. g.    | Rs. a.       | A. g.      | Rs. a.       |
| 13 35    | 30 11        | 42 9      | 138 0        | 65 35                 | 313 0        | 9 20   | 28 0         | 667 28     | 853 2        | ...      | ...          | 744 37     | 1,464 2      |
| 10 15    | 35 0         | 314 17    | 988 0        | 20 30                 | 53           | ...    | ...          | 83 11      | 126 0        | ...      | ...          | 490 13     | 1,337 8      |
| 4 0      | 9 0          | ...       | ...          | ...                   | ...          | ...    | ...          | 12 2       | 18 0         | ...      | ...          | 80 32      | 179 0        |
| ...      | ...          | ...       | ...          | ...                   | ...          | ...    | ...          | ...        | ...          | ...      | ...          | 121 5      | 274 4        |
| 28 10    | 74 11        | 356 28    | 1,126 0      | 86 25                 | 366 0        | 9 20   | 28 0         | 663 1      | 907 2        | ...      | ...          | 1,437 7    | 3,254 14     |
| 7 3      | 18 11        | 89 7      | 281 8        | 21 26                 | 91 8         | 2 15   | 7 0          | 165 30     | 249 5        | ...      | ...          | 359 12     | 813 12       |
| ...      | ...          | 24 22     | 80 12        | ...                   | ...          | ...    | ...          | 31 10      | 46 0         | ...      | ...          | 349 0      | 800 12       |
| ...      | ...          | 43 30     | 136 0        | ...                   | ...          | ...    | ...          | 469 33     | 702 0        | ...      | ...          | 810 38     | 1,621 0      |
| 6 15     | 16 0         | ...       | ...          | ...                   | ...          | ...    | ...          | 155 8      | 233 8        | ...      | ...          | 596 4      | 1,251 8      |
| ...      | ...          | ...       | ...          | ...                   | ...          | ...    | ...          | ...        | ...          | ...      | ...          | 318 13     | 741 0        |
| 6 15     | 16 0         | 64 12     | 216 12       | ...                   | ...          | ...    | ...          | 656 11     | 981 8        | ...      | ...          | 2,074 15   | 4,314 4      |
| 1 24     | 4 0          | 17 3      | 54 3         | ...                   | ...          | ...    | ...          | 164 3      | 245 6        | ...      | ...          | 518 24     | 1,078 9      |
| 13 35    | 30 11        | 66 31     | 218 12       | 65 35                 | 313 0        | 9 20   | 28 0         | 598 38     | 899 2        | ...      | ...          | 1,093 37   | 2,284 14     |
| 10 15    | 35 0         | 358 7     | 1,124 0      | 20 30                 | 53 0         | ...    | ...          | 553 4      | 828 0        | ...      | ...          | 1,301 11   | 2,863 8      |
| 10 15    | 25 0         | ...       | ...          | ...                   | ...          | ...    | ...          | 167 10     | 251 8        | ...      | ...          | 676 36     | 1,430 8      |
| ...      | ...          | ...       | ...          | ...                   | ...          | ...    | ...          | ...        | ...          | ...      | ...          | 439 18     | 1,015 4      |
| 34 25    | 90 11        | 424 38    | 1,342 12     | 86 25                 | 366 0        | 9 20   | 28 0         | 1,316 12   | 1,978 10     | ...      | ...          | 3,511 22   | 7,569 2      |
| 8 26     | 22 11        | 106 10    | 335 11       | 21 26                 | 91 8         | 2 15   | 7 0          | 320 33     | 494 10       | ...      | ...          | 877 35     | 1,892 4      |
| 13 35    | 30 11        | 66 31     | 218 12       | 65 35                 | 313 0        | 9 20   | 28 0         | 2,239 17   | 3,146 8      | 1,261 15 | 3,550 7      | 4,083 31   | 8,075 15     |
| 10 15    | 35 0         | 358 7     | 1,124 0      | 20 30                 | 53 0         | ...    | ...          | 2,204 31   | 3,074 2      | 1,753 5  | 4,880 12     | 4,801 1    | 10,038 1     |
| 10 15    | 25 0         | ...       | ...          | ...                   | ...          | ...    | ...          | 1,854 5    | 2,472 11     | 1,337 34 | 3,893 1      | 3,793 7    | 7,592 5      |
| ...      | ...          | ...       | ...          | ...                   | ...          | ...    | ...          | 2,067 22   | 2,720 9      | 1,255 0  | 3,473 2      | 3,792 23   | 7,262 8      |
| 34 25    | 90 11        | 424 38    | 1,342 12     | 86 25                 | 366 0        | 9 20   | 28 0         | 8,185 35   | 11,413 9     | 5,657 14 | 15,787 9     | 18,450 22  | 32,968 13    |
| 8 26     | 22 11        | 106 10    | 335 11       | 21 26                 | 91 8         | 2 15   | 7 0          | 2,121 19   | 2,853 6      | 1,414 14 | 3,946 14     | 4,112 26   | 8,243 3      |
| 2,695 10 | 5,943 3      | 12,222 27 | 23,682 5     | 1,916 30              | 4,968 14     | 9 20   | 28 0         | 21,089 33  | 30,933 1     | 1,322 15 | 3,659 7      | 53,746 0   | 1,05,516 12  |
| 1,588 24 | 2,095 14     | 19,894 23 | 44,111 10    | 1,887 15              | 4,605 4      | ...    | ...          | 50,704 35  | 74,741 1     | 2,569 7  | 6,185 13     | 94,531 7   | 1,77,064 9   |
| 2,166 21 | 4,983 5      | 6,113 37  | 11,780 8     | 649 27                | 1,667 8      | 712 38 | 1,066 0      | 32,096 36  | 46,002 7     | 3,339 23 | 6,883 9      | 61,781 26  | 1,19,266 13  |
| 1,368 38 | 3,142 8      | 9,794 16  | 21,599 13    | 363 30                | 1,164 15     | ...    | ...          | 36,375 1   | 57,681 9     | 5,228 2  | 8,760 0      | 75,549 27  | 1,42,181 1   |
| 7,820 13 | 16,764 14    | 47,025 23 | 1,01,194 4   | 4,817 22              | 12,408 9     | 722 18 | 1,004 0      | 143,266 25 | 2,09,958 2   | 12,460 7 | 25,488 13    | 285,908 20 | 5,44,929 3   |
| 1,955 3  | 4,191 3      | 11,756 16 | 25,293 9     | 1,204 15              | 3,101 10     | 180 25 | 408 8        | 35,816 26  | 52,489 9     | 3,114 32 | 6,372 3      | 71,477 5   | 1,36,232 6   |

acres 10 guntas in 1893-96 of "Rabi flow aided by lift" have been shown under the column of "Rabi flow," while 560 acres 4 guntas in 1893-94 of "Rabi sailab Revenue Department. On the other hand, for the purpose of calculation of assessment, these two aided kinds of irrigation have in this as well as in Appendix

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.

Gul Hayat Institute



## APPENDIX XIV.B.

*Statement showing dubari cultivated land in each surveyed village of Taluka Johi under each kind of irrigation for the first, middle and last year for the settlement current in them up to 1892-93,\* with the assessment thereon.*

| No. on Appendix XIV.A. | Name of Village.  | Year.      | RABI.  |             |         |             |         |             | TOTAL. |             |
|------------------------|-------------------|------------|--|-------------|---------|-------------|---------|-------------|--------|-------------|
|                        |                   |            | LIFT.  |             | SAILAB. |             | BARANI. |             |        |             |
|                        |                   |            | Area.  | Assessment. | Area.   | Assessment. | Area.   | Assessment. | Area.  | Assessment. |
|                        |                   |            | A. g.  | Rs. a.      | A. g.   | Rs. a.      | A. g.   | Rs. a.      | A. g.  | Rs. a.      |
|                        | 2nd Group.        |            | Dehs under revision on settlement (from 1878-79) subsequently transferred from Dadu Taluka in 1884-85. |             |         |             |         |             |        |             |
| 2                      | Jampur Pah-warki. | 1st year.. | 1878-79  | ...         | ...     | ...         | ...     | ...         | ...    | ...         |
|                        |                   | 9th "      | 1886-87  | ...         | ...     | ...         | ...     | ...         | ...    | ...         |
|                        |                   | Last "     | 1892-93  | ...         | ...     | 53 30       | ...     | ...         | 53 30  | ...         |
|                        |                   | Total.     | ...  | ...         | 53 30   | ...         | ...     | 53 30       | ...    |             |
|                        |                   | Average.   | ...  | ...         | 17 37   | ...         | ...     | 17 37       | ...    |             |
| 3                      | Vageji            | 1st year.. | 1878-79  | ...         | ...     | ...         | ...     | ...         | ...    | ...         |
|                        |                   | 9th "      | 1886-87  | ...         | ...     | 104 30      | ...     | ...         | 104 30 | ...         |
|                        |                   | Last "     | 1892-93  | ...         | ...     | 624 15      | ...     | ...         | 624 15 | ...         |
|                        |                   | Total.     | ...  | ...         | 729 5   | ...         | ...     | 729 5       | ...    |             |
|                        |                   | Average.   | ...  | ...         | 243 2   | ...         | ...     | 243 2       | ...    |             |
| 4                      | Johi              | 1st year.. | 1878-79  | ...         | ...     | ...         | ...     | ...         | ...    | ...         |
|                        |                   | 9th "      | 1886-87  | ...         | ...     | 184 10      | ...     | ...         | 184 10 | ...         |
|                        |                   | Last "     | 1892-93  | ...         | ...     | 701 1       | ...     | ...         | 701 1  | ...         |
|                        |                   | Total.     | ...  | ...         | 885 11  | ...         | ...     | 885 11      | ...    |             |
|                        |                   | Average.   | ...  | ...         | 295 4   | ...         | ...     | 295 4       | ...    |             |
| 5                      | Dara Machhi       | 1st year.. | 1878-79  | ...         | ...     | 1 0         | ...     | ...         | 1 0    | ...         |
|                        |                   | 9th "      | 1886-87  | 8 12        | ...     | 14 20       | ...     | ...         | 22 32  | ...         |
|                        |                   | Last "     | 1892-93  | ...         | ...     | 458 3       | ...     | ...         | 458 3  | ...         |
|                        |                   | Total.     | ...  | 8 12        | ...     | 473 23      | ...     | ...         | 481 35 | ...         |
|                        |                   | Average.   | ...  | 2 31        | ...     | 157 34      | ...     | ...         | 160 25 | ...         |
| 6                      | Gaha              | 1st year.. | 1878-79  | ...         | ...     | 2 0         | ...     | ...         | 2 0    | ...         |
|                        |                   | 9th "      | 1886-87  | ...         | ...     | 61 20       | ...     | ...         | 61 20  | ...         |
|                        |                   | Last "     | 1892-93  | ...         | ...     | 143 35      | ...     | ...         | 143 35 | ...         |
|                        |                   | Total.     | ...  | ...         | 207 15  | ...         | ...     | 207 15      | ...    |             |
|                        |                   | Average.   | ...  | ...         | 69 5    | ...         | ...     | 69 5        | ...    |             |
| 7                      | Abad              | 1st year.. | 1878-79  | ...         | ...     | ...         | ...     | ...         | ...    | ...         |
|                        |                   | 9th "      | 1886-87  | ...         | ...     | 386 20      | ...     | ...         | 386 20 | ...         |
|                        |                   | Last "     | 1892-93  | ...         | ...     | 316 15      | ...     | ...         | 316 15 | ...         |
|                        |                   | Total.     | ...  | ...         | 702 35  | ...         | ...     | 702 35      | ...    |             |
|                        |                   | Average.   | ...  | ...         | 234 12  | ...         | ...     | 234 12      | ...    |             |
| 8                      | Chana             | 1st year.. | 1878-79  | ...         | ...     | ...         | ...     | ...         | ...    | ...         |
|                        |                   | 9th "      | 1886-87  | ...         | ...     | 374 16      | ...     | ...         | 374 16 | ...         |
|                        |                   | Last "     | 1892-93  | ...         | ...     | 364 15      | ...     | ...         | 364 15 | ...         |
|                        |                   | Total.     | ...  | ...         | 738 31  | ...         | ...     | 738 31      | ...    |             |
|                        |                   | Average.   | ...  | ...         | 246 10  | ...         | ...     | 246 10      | ...    |             |
| 9                      | Kharichh          | 1st year.. | 1878-79  | ...         | ...     | ...         | ...     | ...         | ...    | ...         |
|                        |                   | 9th "      | 1886-87  | ...         | ...     | 70 15       | ...     | ...         | 70 15  | ...         |
|                        |                   | Last "     | 1892-93  | ...         | ...     | 279 20      | ...     | ...         | 279 20 | ...         |
|                        |                   | Total.     | ...  | ...         | 349 35  | ...         | ...     | 349 35      | ...    |             |
|                        |                   | Average.   | ...  | ...         | 116 25  | ...         | ...     | 116 25      | ...    |             |

\* A separate statement for the period 1893-94 to 1896-97 has been prepared on account of changes in deh boundaries made by Revision Survey.

NOTE.—There is no dubari cultivation in the years shown in this form in the following dehs :—

1. Kur Jamik
2. Khan Wah.
3. Lobri.
4. Makhan Belo.

| No. on Appendix XIV-A. | Name of Village.             | Year.     | RABI.   |             |         |             |         |             | TOTAL. |             |     |
|------------------------|------------------------------|-----------|---------|-------------|---------|-------------|---------|-------------|--------|-------------|-----|
|                        |                              |           | LIFT.   |             | SAILAB. |             | BARANI. |             |        |             |     |
|                        |                              |           | Area.   | Assessment. | Area.   | Assessment. | Area.   | Assessment. | Area.  | Assessment. |     |
|                        | 2nd Group -contd.            |           | A. g.   | Rs. a.      | A. g.   | Rs. a.      | A. g.   | Rs. a.      | A. g.  | Rs.         |     |
| 10                     | Per Dhanari.                 | 1st year. | 1878-79 | ...         | ...     | ...         | ...     | ...         | ...    | ...         |     |
|                        |                              | 9th "     | 1886-87 | ...         | ...     | 61 20       | ...     | ...         | ...    | 61 20       | ... |
|                        |                              | Last "    | 1892-93 | ...         | ...     | 41 0        | ...     | ...         | ...    | 41 0        | ... |
|                        |                              | Total.    |         | ...         | ...     | 102 20      | ...     | ...         | ...    | 102 20      | ... |
|                        |                              | Average.  |         | ...         | ...     | 34 7        | ...     | ...         | ...    | 34 7        | ... |
|                        | Total of 2nd Group.          | 1st year. | 1878-79 | ...         | ...     | 3 0         | ...     | ...         | ...    | 3 0         | ... |
|                        |                              | 9th "     | 1886-87 | 8 12        | ...     | 1,257 31    | ...     | ...         | ...    | 1,266 3     | ... |
|                        |                              | Last "    | 1892-93 | ...         | ...     | 2,982 14    | ...     | ...         | ...    | 2,982 14    | ... |
|                        |                              | Total.    |         | 8 12        | ...     | 4,243 5     | ...     | ...         | ...    | 4,251 17    | ... |
|                        |                              | Average.  |         | 2 31        | ...     | 1,414 15    | ...     | ...         | ...    | 1,417 6     | ... |
|                        | 3rd Group.                   |           |         |             |         |             |         |             |        |             |     |
| 11                     | Phulji                       | 1st year. | 1878-79 | ...         | ...     | ...         | ...     | ...         | ...    | ...         | ... |
|                        |                              | 9th "     | 1886-87 | 3 0         | ...     | ...         | ...     | ...         | ...    | 3 0         | ... |
|                        |                              | Last "    | 1892-93 | ...         | ...     | ...         | ...     | ...         | ...    | ...         | ... |
|                        |                              | Total.    |         | 3 0         | ...     | ...         | ...     | ...         | ...    | 3 0         | ... |
|                        |                              | Average.  |         | 1 0         | ...     | ...         | ...     | ...         | ...    | 1 0         | ... |
| 12                     | Shah Morio                   | 1st year. | 1878-79 | ...         | ...     | ...         | ...     | ...         | ...    | ...         | ... |
|                        |                              | 9th "     | 1886-87 | 16 16       | ...     | 6 13        | ...     | ...         | ...    | 22 29       | ... |
|                        |                              | Last "    | 1892-93 | ...         | ...     | 104 35      | ...     | ...         | ...    | 104 35      | ... |
|                        |                              | Total.    |         | 16 16       | ...     | 111 8       | ...     | ...         | ...    | 127 24      | ... |
|                        |                              | Average.  |         | 5 19        | ...     | 37 8        | ...     | ...         | ...    | 42 21       | ... |
| 13                     | Mothiri                      | 1st year. | 1878-79 | ...         | ...     | ...         | ...     | ...         | ...    | ...         | ... |
|                        |                              | 9th "     | 1886-87 | ...         | ...     | ...         | ...     | ...         | ...    | ...         | ... |
|                        |                              | Last "    | 1892-93 | ...         | ...     | 0 10        | ...     | ...         | ...    | 0 10        | ... |
|                        |                              | Total.    |         | ...         | ...     | 0 10        | ...     | ...         | ...    | 0 10        | ... |
|                        |                              | Average.  |         | ...         | ...     | 0 3         | ...     | ...         | ...    | 0 3         | ... |
| 14                     | Khat                         | 1st year. | 1878-79 | ...         | ...     | ...         | ...     | ...         | ...    | ...         | ... |
|                        |                              | 9th "     | 1886-87 | 4 0         | ...     | ...         | ...     | ...         | ...    | 4 0         | ... |
|                        |                              | Last "    | 1892-93 | 132 5       | ...     | ...         | ...     | ...         | ...    | 132 5       | ... |
|                        |                              | Total.    |         | 136 5       | ...     | ...         | ...     | ...         | ...    | 136 5       | ... |
|                        |                              | Average.  |         | 45 15       | ...     | ...         | ...     | ...         | ...    | 45 15       | ... |
| 15                     | Bahawalpur.                  | 1st year. | 1878-79 | ...         | ...     | ...         | ...     | ...         | ...    | ...         | ... |
|                        |                              | 9th "     | 1886-87 | ...         | ...     | ...         | ...     | ...         | ...    | ...         | ... |
|                        |                              | Last "    | 1892-93 | ...         | ...     | 48 30       | ...     | ...         | ...    | 48 30       | ... |
|                        |                              | Total.    |         | ...         | ...     | 48 30       | ...     | ...         | ...    | 48 30       | ... |
|                        |                              | Average.  |         | ...         | ...     | 16 10       | ...     | ...         | ...    | 16 10       | ... |
|                        | Total of 3rd Group.          | 1st year. | 1878-79 | ...         | ...     | ...         | ...     | ...         | ...    | ...         | ... |
|                        |                              | 9th "     | 1886-87 | 23 16       | ...     | 6 13        | ...     | ...         | ...    | 29 29       | ... |
|                        |                              | Last "    | 1892-93 | 132 5       | ...     | 153 35      | ...     | ...         | ...    | 286 0       | ... |
|                        |                              | Total.    |         | 155 21      | ...     | 160 8       | ...     | ...         | ...    | 345 29      | ... |
|                        |                              | Average.  |         | 51 34       | ...     | 53 16       | ...     | ...         | ...    | 105 10      | ... |
|                        | Total of 2nd and 3rd Groups. | 1st year. | 1878-79 | ...         | ...     | 3 0         | ...     | ...         | ...    | 3 0         | ... |
|                        |                              | 9th "     | 1886-87 | 31 28       | ...     | 1,264 4     | ...     | ...         | ...    | 1,295 32    | ... |
|                        |                              | Last "    | 1892-93 | 132 5       | ...     | 3,136 9     | ...     | ...         | ...    | 3,268 14    | ... |
|                        |                              | Total.    |         | 163 33      | ...     | 4,403 13    | ...     | ...         | ...    | 4,567 6     | ... |
|                        |                              | Average.  |         | 54 24       | ...     | 1,467 31    | ...     | ...         | ...    | 1,522 15    | ... |

| No. on Appendix XIV-A. | Name of Village. | Year.   | RABI.   |             |         |             |        |             | TOTAL. |             |        |
|------------------------|------------------|---|---|-------------|---------|-------------|--------|-------------|--------|-------------|--------|
|                        |                  |   | LIFT.   |             | SAILAB. |             | BARANI |             | Area.  | Assessment. |        |
|                        |                  |   | Area.   | Assessment. | Area.   | Assessment. | Area.  | Assessment. |        |             |        |
| 2nd Group.             |                  |   | Dehs under revision settlement (from 1877-78 subsequently transferred from Sehwan Taluka in 1884-85). | A. g.       | Rs. a.  | A. g.       | Rs. a. | A. g.       | Rs. a. | A. g.       | Rs. a. |
| 1                      | Sakhro           | 1st year..  | 1877-78   | ...         | ...     | 27 26       | ...    | ...         | ...    | 27 26       | ...    |
|                        |                  | 9th "   | 1885-86   | ...         | ...     | 113 16      | ...    | ...         | ...    | 113 16      | ...    |
|                        |                  | Last "  | 1892-93   | ...         | ...     | ...         | ...    | ...         | ...    | ...         | ...    |
|                        |                  | Total.  | ...   | ...         | 141 2   | ...         | ...    | ...         | 141 2  | ...         | ...    |
|                        |                  | Average.  | ...   | ...         | 47 1    | ...         | ...    | ...         | 47 1   | ...         | ...    |
| 2                      | Gahi Charo.      | 1st year..  | 1877-78   | ...         | ...     | 6 35        | ...    | ...         | ...    | 6 35        | ...    |
|                        |                  | 9th "   | 1885-86   | ...         | ...     | 106 20      | ...    | ...         | ...    | 106 20      | ...    |
|                        |                  | Last "  | 1892-93   | ...         | ...     | ...         | ...    | ...         | ...    | ...         | ...    |
|                        |                  | Total.  | ...   | ...         | 113 15  | ...         | ...    | ...         | 113 16 | ...         | ...    |
|                        |                  | Average.  | ...   | ...         | 37 32   | ...         | ...    | ...         | 37 32  | ...         | ...    |
| 3                      | Adhabad (Aruni). | 1st year..  | 1877-78   | ...         | ...     | 18 35       | ...    | ...         | ...    | 18 35       | ...    |
|                        |                  | 9th "   | 1885-86   | ...         | ...     | ...         | ...    | ...         | ...    | ...         | ...    |
|                        |                  | Last "  | 1892-93   | ...         | ...     | ...         | ...    | ...         | ...    | ...         | ...    |
|                        |                  | Total.  | ...   | ...         | 18 35   | ...         | ...    | ...         | 18 35  | ...         | ...    |
|                        |                  | Average.  | ...   | ...         | 6 12    | ...         | ...    | ...         | 6 12   | ...         | ...    |
|                        | Total            | 1st year..  | 1877-78   | ...         | ...     | 34 21       | ...    | ...         | ...    | 34 21       | ...    |
|                        |                  | 9th "   | 1885-86   | ...         | ...     | 238 31      | ...    | ...         | ...    | 238 31      | ...    |
|                        |                  | Last "  | 1892-93   | ...         | ...     | ...         | ...    | ...         | ...    | ...         | ...    |
|                        |                  | Total.  | ...   | ...         | 273 12  | ...         | ...    | ...         | 273 12 | ...         | ...    |
|                        |                  | Average.  | ...   | ...         | 91 4    | ...         | ...    | ...         | 91 4   | ...         | ...    |
| 4                      | Shah Hasan..     | Dehs under temporary settlement (from 1884-85 transferred from Sehwan Taluka in 1884-85). |   | ...         | ...     | 333 0       | ...    | ...         | ...    | 333 0       | ...    |
|                        |                  | 1st year..  | 1884-85   | ...         | ...     | 54 38       | ...    | ...         | ...    | 54 38       | ...    |
|                        |                  | 5th "   | 1888-89   | ...         | ...     | ...         | ...    | ...         | ...    | ...         | ...    |
|                        |                  | Last "  | 1892-93   | ...         | ...     | ...         | ...    | ...         | ...    | ...         | ...    |
|                        |                  | Total.  | ...   | ...         | 387 38  | ...         | ...    | ...         | 387 38 | ...         | ...    |
| 5                      | Dabhri           | 1st year..  | 1884-85   | ...         | ...     | ...         | ...    | 1 11        | ...    | 1 11        | ...    |
|                        |                  | 5th "   | 1888-89   | 16 0        | ...     | 3 15        | 0 14   | ...         | ...    | 16 0        | ...    |
|                        |                  | Last "  | 1892-93   | ...         | ...     | ...         | ...    | ...         | ...    | 3 15        | 0 14   |
|                        |                  | Total.  | ...   | 16 0        | ...     | 3 15        | 0 14   | ...         | 1 11   | 19 15       | 2 9    |
|                        |                  | Average.  | ...   | 5 13        | ...     | 1 5         | 0 5    | ...         | 0 9    | 6 18        | 0 14   |
| 6                      | Wahi Gaji.       | 1st year..  | 1884-85   | ...         | ...     | 13 15       | ...    | ...         | ...    | 13 15       | ...    |
|                        |                  | 5th "   | 1888-89   | ...         | ...     | 6 0         | ...    | ...         | ...    | 6 0         | ...    |
|                        |                  | Last "  | 1892-93   | ...         | ...     | ...         | ...    | ...         | ...    | ...         | ...    |
|                        |                  | Total.  | ...   | ...         | 19 15   | ...         | ...    | ...         | ...    | 19 15       | ...    |
|                        |                  | Average.  | ...   | ...         | 6 18    | ...         | ...    | ...         | ...    | 6 18        | ...    |
|                        | Total            | 1st year..  | 1884-85   | ...         | ...     | 346 15      | ...    | 1 11        | ...    | 346 15      | 1 11   |
|                        |                  | 5th "   | 1888-89   | 16 0        | ...     | 60 38       | ...    | ...         | ...    | 76 38       | ...    |
|                        |                  | Last "  | 1892-93   | ...         | ...     | 3 15        | 0 14   | ...         | ...    | 3 15        | 0 14   |
|                        |                  | Total.  | ...   | 16 0        | ...     | 410 28      | 0 14   | ...         | 1 11   | 426 28      | 2 9    |
|                        |                  | Average.  | ...   | 5 13        | ...     | 136 36      | 0 5    | ...         | 0 9    | 142 9       | 0 14   |

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.

| No. on Appendix III-A. | Name of Village. | Year.    | RAHI. |             |       |             |        |             |         |             |                         |             |       |             |         |             | TOTAL. |             |       |
|------------------------|------------------|----------|-------|-------------|-------|-------------|--------|-------------|---------|-------------|-------------------------|-------------|-------|-------------|---------|-------------|--------|-------------|-------|
|                        |                  |          | MOKE. |             | LIPT. |             | CHANI. |             | SAILAB. |             | SAILAB ALLOWED BY LIPT. |             | BOSI. |             | BARANI. |             |        |             |       |
|                        |                  |          | Area. | Assessment. | Area. | Assessment. | Area.  | Assessment. | Area.   | Assessment. | Area.                   | Assessment. | Area. | Assessment. | Area.   | Assessment. | Area.  | Assessment. | Area. |
| 1                      | Sakhro           | 1893-94  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | 96 3        | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 96 3        | ...   |
|                        |                  | 1894-95  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | 54 10       | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 54 10       | ...   |
|                        |                  | 1895-96  | 12 5  | ...         | 7 35  | ...         | ...    | ...         | ...     | ...         | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 20 0        | ...   |
|                        |                  | 1896-97  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | 83 25       | ...                     | 7 0         | ...   | ...         | ...     | ...         | ...    | 95 25       | ...   |
|                        |                  | Total... | 12 5  | ...         | 7 35  | ...         | ...    | ...         | ...     | 238 38      | ...                     | 7 0         | ...   | ...         | ...     | ...         | ...    | 266 38      | ...   |
|                        |                  | Average  | 3 1   | ...         | 1 39  | ...         | ...    | ...         | ...     | 59 30       | ...                     | 1 30        | ...   | ...         | ...     | ...         | ...    | 66 20       | ...   |
| 2                      | Gahf Charo       | 1893-94  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | 1 10        | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 1 10        | ...   |
|                        |                  | 1894-95  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | 11 24       | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 11 24       | ...   |
|                        |                  | 1895-96  | 29 35 | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 29 35       | ...   |
|                        |                  | 1896-97  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | 185 21      | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 155 21      | ...   |
|                        |                  | Total... | 29 35 | ...         | ...   | ...         | ...    | ...         | ...     | 168 15      | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 198 10      | ...   |
|                        |                  | Average  | 7 19  | ...         | ...   | ...         | ...    | ...         | ...     | 42 4        | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 49 23       | ...   |
| 3                      | Arundi           | 1893-94  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | 4 8         | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 4 8         | ...   |
|                        |                  | 1894-95  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | 18 10       | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 18 10       | ...   |
|                        |                  | 1895-96  | 4 35  | ...         | 0 5   | ...         | ...    | ...         | ...     | 11 3        | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 16 3        | ...   |
|                        |                  | 1896-97  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | 54 3        | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 51 3        | ...   |
|                        |                  | Total... | 4 35  | ...         | 0 5   | ...         | ...    | ...         | ...     | 87 21       | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 92 21       | ...   |
|                        |                  | Average  | 1 9   | ...         | 0 1   | ...         | ...    | ...         | ...     | 21 35       | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 23 5        | ...   |
| 4                      | Machhko          | 1893-94  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | ...         | ...   |
|                        |                  | 1894-95  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | ...         | ...   |
|                        |                  | 1895-96  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 2 25        | ...   |
|                        |                  | 1896-97  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | ...         | ...   |
|                        |                  | Total... | ...   | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 2 25        | ...   |
|                        |                  | Average  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 0 26        | ...   |
| 8                      | Shah Hassan      | 1893-94  | ...   | ...         | 22 38 | 0 12        | ...    | ...         | ...     | 1 19        | 0 11                    | ...         | ...   | ...         | ...     | ...         | ...    | 24 17       | 10 7  |
|                        |                  | 1894-95  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | 5 0         | 1 0                     | ...         | ...   | ...         | ...     | ...         | ...    | 6 0         | 1 0   |
|                        |                  | 1895-96  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 4 14        | 1 2   |
|                        |                  | 1896-97  | ...   | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                     | ...         | ...   | ...         | ...     | ...         | ...    | 3 34        | 6 8   |
|                        |                  | Total... |       |             |       |             |        |             |         |             |                         |             |       |             |         |             |        |             |       |



| No. on Appendix III-A. | Name of Village   | Year.    | RABI.  |             |        |             |         |             |         |             |                       |             |       |             |         |             | TOTAL. |        |
|------------------------|-------------------|----------|--------|-------------|--------|-------------|---------|-------------|---------|-------------|-----------------------|-------------|-------|-------------|---------|-------------|--------|--------|
|                        |                   |          | MOKR.  |             | LIFT.  |             | CHAHIL. |             | SAILAB. |             | SAILAB AIDED BY LIFT. |             | BOSI. |             | BARANI. |             |        |        |
|                        |                   |          | Area.  | Assessment. | Area.  | Assessment. | Area.   | Assessment. | Area.   | Assessment. | Area.                 | Assessment. | Area. | Assessment. | Area.   | Assessment. |        |        |
|                        |                   |          |        |             |        |             |         |             |         |             |                       |             |       |             |         |             |        |        |
|                        |                   |          | A. g.  | Rs. a.      | A. g.  | Rs. a.      | A. g.   | Rs. a.      | A. g.   | Rs. a.      | A. g.                 | Rs. a.      | A. g. | Rs. a.      | A. g.   | Rs. a.      | A. g.  | Rs. a. |
| 18                     | Jampur Pah-warki. | 1893-94  | ...    | ...         | ...    | ...         | ...     | ...         | 24 25   | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 24 25  | ...    |
|                        |                   | 1894-95  | ...    | ...         | ...    | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...    |
|                        |                   | 1895-96  | ...    | ...         | ...    | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...    |
|                        |                   | 1896-97  | ...    | ...         | ...    | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...    |
|                        |                   | Total... | ...    | ...         | ...    | ...         | ...     | ...         | 24 25   | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 24 25  | ...    |
| Average                | ...               | ...      | ...    | ...         | ...    | ...         | 6 6     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 6 6     | ...         |        |        |
| 19                     | Vageji            | 1893-94  | ...    | ...         | 71 20  | ...         | ...     | ...         | 376 24  | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 468 4  | ...    |
|                        |                   | 1894-95  | ...    | ...         | ...    | ...         | ...     | ...         | 185 25  | ...         | 38 30                 | ...         | ...   | ...         | ...     | ...         | 224 15 | ...    |
|                        |                   | 1895-96  | ...    | ...         | 24 25  | ...         | ...     | ...         | 87 10   | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 111 35 | ...    |
|                        |                   | 1896-97  | ...    | ...         | 11 17  | ...         | ...     | ...         | 23 55   | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 40 12  | ...    |
|                        |                   | Total... | ...    | ...         | 107 22 | ...         | ...     | ...         | 678 14  | ...         | 34 30                 | ...         | ...   | ...         | ...     | ...         | 824 26 | ...    |
| Average                | ...               | ...      | 26 16  | ...         | ...    | ...         | 169 14  | ...         | 9 28    | ...         | ...                   | ...         | ...   | ...         | 265 18  | ...         |        |        |
| 20                     | Johi              | 1893-94  | ...    | ...         | 68 5   | ...         | ...     | ...         | 223 35  | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 287 0  | ...    |
|                        |                   | 1894-95  | ...    | ...         | 1 0    | ...         | 1 20    | ...         | 166 34  | ...         | 14 0                  | ...         | ...   | ...         | ...     | ...         | 183 20 | ...    |
|                        |                   | 1895-96  | ...    | ...         | 0 30   | ...         | ...     | ...         | 4 5     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 1 35   | ...    |
|                        |                   | 1896-97  | ...    | ...         | 1 15   | ...         | ...     | ...         | 8 10    | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 9 25   | ...    |
|                        |                   | Total... | ...    | ...         | 66 10  | ...         | 1 20    | ...         | 303 4   | ...         | 15 0                  | ...         | ...   | ...         | ...     | ...         | 485 0  | ...    |
| Average                | ...               | ...      | 16 24  | ...         | 0 17   | ...         | 160 31  | ...         | 3 20    | ...         | ...                   | ...         | ...   | ...         | 121 11  | ...         |        |        |
| 21                     | Dara Machli       | 1893-94  | ...    | ...         | ...    | ...         | ...     | ...         | 68 10   | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 88 10  | ...    |
|                        |                   | 1894-95  | ...    | ...         | 23 4   | ...         | ...     | ...         | 350 4   | ...         | 16 25                 | ...         | ...   | ...         | ...     | ...         | 389 33 | ...    |
|                        |                   | 1895-96  | ...    | ...         | ...    | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...    |
|                        |                   | 1896-97  | ...    | ...         | ...    | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...    |
|                        |                   | Total... | ...    | ...         | 23 4   | ...         | ...     | ...         | 108 11  | ...         | 16 25                 | ...         | ...   | ...         | ...     | ...         | 484 3  | ...    |
| Average                | ...               | ...      | 5 31   | ...         | ...    | ...         | 104 24  | ...         | 4 6     | ...         | ...                   | ...         | ...   | ...         | 114 31  | ...         |        |        |
| 22                     | Gaha              | 1893-94  | ...    | ...         | ...    | ...         | ...     | ...         | 12 10   | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 12 10  | ...    |
|                        |                   | 1894-95  | ...    | ...         | 40 25  | ...         | ...     | ...         | 71 25   | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 112 10 | ...    |
|                        |                   | 1895-96  | ...    | ...         | ...    | ...         | ...     | ...         | 1 30    | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 1 30   | ...    |
|                        |                   | 1896-97  | ...    | ...         | ...    | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...    |
|                        |                   | Total... | ...    | ...         | 40 25  | ...         | ...     | ...         | 85 35   | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 126 10 | ...    |
| Average                | ...               | ...      | 10 6   | ...         | ...    | ...         | 21 16   | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 31 22   | ...         |        |        |
| 23                     | Abad              | 1893-94  | ...    | ...         | 4 15   | ...         | ...     | ...         | 149 35  | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 204 10 | ...    |
|                        |                   | 1894-95  | 12 20  | ...         | ...    | ...         | ...     | ...         | 166 55  | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 209 15 | ...    |
|                        |                   | 1895-96  | ...    | ...         | ...    | ...         | ...     | ...         | 2 30    | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 2 30   | ...    |
|                        |                   | 1896-97  | ...    | ...         | ...    | ...         | ...     | ...         | 74 15   | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 74 15  | ...    |
|                        |                   | Total... | 12 20  | ...         | 4 15   | ...         | ...     | ...         | 173 38  | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 409 33 | ...    |
| Average                | 3 5               | ...      | 1 4    | ...         | ...    | ...         | 118 20  | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 122 29  | ...         |        |        |
| 24                     | Chana             | 1893-94  | ...    | ...         | ...    | ...         | ...     | ...         | 221 35  | ...         | 1 20                  | ...         | ...   | ...         | ...     | ...         | 223 15 | ...    |
|                        |                   | 1894-95  | ...    | ...         | ...    | ...         | ...     | ...         | 100 30  | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 100 30 | ...    |
|                        |                   | 1895-96  | ...    | ...         | ...    | ...         | ...     | ...         | 2 20    | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 2 20   | ...    |
|                        |                   | 1896-97  | ...    | ...         | ...    | ...         | ...     | ...         | 27 11   | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 27 11  | ...    |
|                        |                   | Total... | ...    | ...         | ...    | ...         | ...     | ...         | 353 16  | ...         | 1 20                  | ...         | ...   | ...         | ...     | ...         | 553 36 | ...    |
| Average                | ...               | ...      | ...    | ...         | ...    | ...         | 88 4    | ...         | 0 15    | ...         | ...                   | ...         | ...   | ...         | 88 19   | ...         |        |        |
| 25                     | Kharichh          | 1893-94  | ...    | ...         | ...    | ...         | ...     | ...         | 42 0    | ...         | 9 35                  | ...         | ...   | ...         | ...     | ...         | 51 35  | ...    |
|                        |                   | 1894-95  | ...    | ...         | ...    | ...         | ...     | ...         | 10 5    | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 40 5   | ...    |
|                        |                   | 1895-96  | ...    | ...         | 0 30   | ...         | ...     | ...         | 1 15    | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 2 5    | ...    |
|                        |                   | 1896-97  | ...    | ...         | 8 0    | ...         | ...     | ...         | 15 10   | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 23 10  | ...    |
|                        |                   | Total... | ...    | ...         | 8 30   | ...         | ...     | ...         | 98 30   | ...         | 9 35                  | ...         | ...   | ...         | ...     | ...         | 117 15 | ...    |
| Average                | ...               | ...      | 2 8    | ...         | ...    | ...         | 24 27   | ...         | 2 19    | ...         | ...                   | ...         | ...   | ...         | 20 14   | ...         |        |        |
| 26                     | Per Dhuari        | 1893-94  | ...    | ...         | ...    | ...         | ...     | ...         | 28 0    | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 28 0   | ...    |
|                        |                   | 1894-95  | ...    | ...         | ...    | ...         | ...     | ...         | 57 5    | ...         | 6 25                  | ...         | ...   | ...         | ...     | ...         | 63 30  | ...    |
|                        |                   | 1895-96  | ...    | ...         | ...    | ...         | ...     | ...         | 3 0     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 3 0    | ...    |
|                        |                   | 1896-97  | ...    | ...         | ...    | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...    |
|                        |                   | Total... | ...    | ...         | ...    | ...         | ...     | ...         | 88 5    | ...         | 6 25                  | ...         | ...   | ...         | ...     | ...         | 94 30  | ...    |
| Average                | ...               | ...      | ...    | ...         | ...    | ...         | 22 1    | ...         | 1 26    | ...         | ...                   | ...         | ...   | ...         | 23 28   | ...         |        |        |
| 28                     | Shah Morio        | 1893-94  | ...    | ...         | 20 0   | ...         | ...     | ...         | 67 25   | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 68 25  | ...    |
|                        |                   | 1894-95  | 169 35 | ...         | 165 15 | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 335 10 | ...    |
|                        |                   | 1895-96  | ...    | ...         | 14 0   | ...         | ...     | ...         | ...     | ...         | 3 5                   | ...         | ...   | ...         | ...     | ...         | 17 5   | ...    |
|                        |                   | 1896-97  | ...    | ...         | 14 0   | ...         | ...     | ...         | 15 2    | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 29 2   | ...    |
|                        |                   | Total... | 169 35 | ...         | 223 15 | ...         | ...     | ...         | 82 27   | ...         | 3 5                   | ...         | ...   | ...         | ...     | ...         | 478 2  | ...    |
| Average                | 42 19             | ...      | 55 24  | ...         | ...    | ...         | 20 27   | ...         | 0 31    | ...         | ...                   | ...         | ...   | ...         | 119 21  | ...         |        |        |
| 29                     | Mothiri           | 1893-94  | ...    | ...         | 3 30   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 3 30   | ...    |
|                        |                   | 1894-95  | ...    | ...         | 5 30   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 6 30   | ...    |
|                        |                   | 1895-96  | ...    | ...         | 4 25   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 4 25   | ...    |
|                        |                   | 1896-97  | ...    | ...         | ...    | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...    |
|                        |                   | Total... | ...    | ...         | 14 5   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 14 5   | ...    |
| Average                | ...               | ...      | 3 21   | ...         | ...    | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 3 21    | ...         |        |        |

| No. on Appendix III-A. | Name of Village. | Year.    | RABI.  |             |       |             |         |             |         |             |                       |             |       |             |         |             | Total. |             |
|------------------------|------------------|----------|--------|-------------|-------|-------------|---------|-------------|---------|-------------|-----------------------|-------------|-------|-------------|---------|-------------|--------|-------------|
|                        |                  |          | MOKH.  |             | LIFT. |             | CHABLI. |             | SAILAB. |             | SAILAB AIDED BY LIFT. |             | BOSI. |             | BARANI. |             |        |             |
|                        |                  |          | Area.  | Assessment. | Area. | Assessment. | Area.   | Assessment. | Area.   | Assessment. | Area.                 | Assessment. | Area. | Assessment. | Area.   | Assessment. | Area.  | Assessment. |
|                        |                  |          | A. g.  | Rs. a.      | A. g. | Rs. a.      | A. g.   | Rs. a.      | A. g.   | Rs. a.      | A. g.                 | Rs. a.      | A. g. | Rs. a.      | A. g.   | Rs. a.      | A. g.  | Rs. a.      |
| 30                     | Khat             | 1893-94  | ...    | ...         | ...   | ...         | ...     | ...         | 7 25    | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 7 25   | ...         |
|                        |                  | 1894-95  | ...    | ...         | 14 5  | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 14 5   | ...         |
|                        |                  | 1895-96  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1896-97  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | Total... | ...    | ...         | 14 5  | ...         | ...     | ...         | 7 25    | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 21 30  | ...         |
| Average                | ...              | ...      | 3 21   | ...         | ...   | ...         | 1 36    | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | 5 17        | ...    |             |
| 31                     | Bahawalpur       | 1893-94  | ...    | ...         | ...   | ...         | ...     | ...         | 92 5    | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 92 5   | ...         |
|                        |                  | 1894-95  | 118 35 | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 118 35 | ...         |
|                        |                  | 1895-96  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | 4 22        | ...                   | 1 0         | ...   | ...         | ...     | ...         | 5 22   | ...         |
|                        |                  | 1896-97  | ...    | ...         | 14 0  | ...         | ...     | ...         | ...     | 7 5         | ...                   | ...         | ...   | ...         | ...     | ...         | 21 5   | ...         |
|                        |                  | Total... | 118 35 | ...         | 14 0  | ...         | ...     | ...         | 103 32  | ...         | 1 0                   | ...         | ...   | ...         | ...     | ...         | 237 27 | ...         |
| Average                | 29 20            | ...      | 3 20   | ...         | ...   | ...         | 25 34   | ...         | 0 10    | ...         | ...                   | ...         | ...   | ...         | ...     | 59 17       | ...    |             |
| 32                     | Kur Kalan        | 1893-94  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1894-95  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1895-96  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1896-97  | ...    | ...         | 42 5  | 50 10       | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 42 5   | 50 10       |
|                        |                  | Total... | ...    | ...         | 42 5  | 50 10       | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 42 5   | 50 10       |
| Average                | ...              | ...      | 10 21  | 12 9        | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 10 21   | 12 9        |        |             |
| 33                     | Buthi            | 1893-94  | ...    | ...         | ...   | ...         | ...     | ...         | 3 28    | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | 3 28   | ...         |
|                        |                  | 1894-95  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | 15 8        | 12 0                  | ...         | ...   | ...         | ...     | ...         | 15 8   | 12 0        |
|                        |                  | 1895-96  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | 0 7         | ...                   | ...         | ...   | ...         | ...     | ...         | 0 7    | ...         |
|                        |                  | 1896-97  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | 1 1         | ...                   | ...         | ...   | ...         | ...     | ...         | 1 1    | ...         |
|                        |                  | Total... | ...    | ...         | ...   | ...         | ...     | ...         | 20 4    | 12 0        | ...                   | ...         | ...   | ...         | ...     | ...         | 20 4   | 12 0        |
| Average                | ...              | ...      | ...    | ...         | ...   | ...         | 5 1     | 3 0         | ...     | ...         | ...                   | ...         | ...   | ...         | 5 1     | 3 0         |        |             |
| 39                     | Jhalke           | 1893-94  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 76 20   | ...         | 76 20  | ...         |
|                        |                  | 1894-95  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1895-96  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1896-97  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | Total... | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 76 20   | ...         | 76 20  | ...         |
| Average                | ...              | ...      | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | 19 5  | ...         | 19 5    | ...         |        |             |
| 41                     | Sak Nai          | 1893-94  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1894-95  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 0 35    | ...         | 0 35   | ...         |
|                        |                  | 1895-96  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1896-97  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | Total... | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 0 35    | ...         | 0 35   | ...         |
| Average                | ...              | ...      | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | 0 9   | ...         | 0 9     | ...         |        |             |
| 45                     | Murid Dero       | 1893-94  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1894-95  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 40 30   | ...         | 40 30  | ...         |
|                        |                  | 1895-96  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1896-97  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | Total... | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 40 30   | ...         | 40 30  | ...         |
| Average                | ...              | ...      | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | 10 8  | ...         | 10 8    | ...         |        |             |
| 46                     | Masu Dero        | 1893-94  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1894-95  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 48 30   | ...         | 48 30  | ...         |
|                        |                  | 1895-96  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1896-97  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 30 5    | ...         | 30 5   | ...         |
|                        |                  | Total... | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 88 35   | ...         | 88 35  | ...         |
| Average                | ...              | ...      | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | 22 9  | ...         | 22 9    | ...         |        |             |
| 47                     | Naichki          | 1893-94  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1894-95  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 18 35   | ...         | 18 35  | ...         |
|                        |                  | 1895-96  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1896-97  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | Total... | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 18 35   | ...         | 18 35  | ...         |
| Average                | ...              | ...      | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | 4 29  | ...         | 4 29    | ...         |        |             |
| 50                     | Haanani          | 1893-94  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1894-95  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 54 20   | ...         | 54 20  | ...         |
|                        |                  | 1895-96  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1896-97  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | Total... | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 54 20   | ...         | 54 20  | ...         |
| Average                | ...              | ...      | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | 13 25 | ...         | 13 25   | ...         |        |             |
| 51                     | Kot Chakar       | 1893-94  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1894-95  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 94 30   | ...         | 94 30  | ...         |
|                        |                  | 1895-96  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | 1896-97  | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | ...     | ...         | ...    | ...         |
|                        |                  | Total... | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | ...   | ...         | 94 30   | ...         | 94 30  | ...         |
| Average                | ...              | ...      | ...    | ...         | ...   | ...         | ...     | ...         | ...     | ...         | ...                   | ...         | 23 28 | ...         | 23 28   | ...         |        |             |

| No. on Appendix III-A.                  | Name of Village.                  | Year.   | RABI,  |              |        |              |         |              |          |              |                       |              |        |              |         |              | Total.   |        |
|---|-----------------------------------|---------|--------|--------------|--------|--------------|---------|--------------|----------|--------------|-----------------------|--------------|--------|--------------|---------|--------------|----------|--------|
|   |                                   |         | MOKS.  |              | LIST.  |              | CHAHIL. |              | SAILAB.  |              | SAILAB ADDED BY LIST. |              | BOSI.  |              | BARANI. |              |          |        |
|   |                                   |         | Area.  | Assess-ment. | Area.  | Assess-ment. | Area.   | Assess-ment. | Area.    | Assess-ment. | Area.                 | Assess-ment. | Area.  | Assess-ment. | Area.   | Assess-ment. |          |        |
|   |                                   |         |        |              |        |              |         |              |          |              |                       |              |        |              |         |              |          |        |
| A. g.                                   | Rs. a.                            | A. g.   | Rs. a. | A. g.        | Rs. a. | A. g.        | Rs. a.  | A. g.        | Rs. a.   | A. g.        | Rs. a.                | A. g.        | Rs. a. | A. g.        | Rs. a.  | A. g.        | Rs. a.   |        |
| 68                                      | Halejo                            | 1893-94 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      | ...    |
|   |                                   | 1894-95 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
|   |                                   | 1895-96 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
|   |                                   | 1896-97 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
|   |                                   | Total.. | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
|   |                                   | Average | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
| 69                                      | Jalab                             | 1893-94 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 63 35   | ...          | 63 35    | ...    |
|   |                                   | 1894-95 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
|   |                                   | 1895-96 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
|   |                                   | 1896-97 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
|   |                                   | Total.. | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
|   |                                   | Average | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
| 71                                      | Wahi Pandhi                       | 1893-94 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 248 7   | ...          | 248 7    | ...    |
|   |                                   | 1894-95 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
|   |                                   | 1895-96 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
|   |                                   | 1896-97 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
|   |                                   | Total.. | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
|   |                                   | Average | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
|   | Total Juhl Taluka Dehs.           | 1893-94 | ...    | ...          | 197 18 | 13 8         | ...     | ...          | 1,146 29 | 0 11         | 11 15                 | ...          | ...    | ...          | 381 22  | 0 12         | 2,007 4  | 14 15  |
|   |                                   | 1894-95 | 258 31 | ...          | 249 39 | ...          | 1 26    | ...          | 1,298 0  | 13 0         | 8 20                  | ...          | ...    | ...          | 287 5   | 8 10         | 2,214 0  | 21 16  |
|   |                                   | 1895-96 | 46 35  | ...          | 52 30  | ...          | ...     | ...          | 116 32   | ...          | 4 5                   | ...          | ...    | ...          | 45 11   | 2 14         | 235 36   | 2 14   |
|   |                                   | 1896-97 | ...    | ...          | 90 37  | 50 10        | ...     | ...          | 480 10   | 11 14        | 7 0                   | ...          | ...    | ...          | 56 20   | 5 0          | 643 27   | 67 8   |
|   |                                   | Total.. | 345 25 | ...          | 591 4  | 64 2         | 1 26    | ...          | 3,350 31 | 25 9         | 111 0                 | ...          | ...    | ...          | 770 21  | 17 4         | 5,161 27 | 106 15 |
|   |                                   | Average | 83 36  | ...          | 147 31 | 16 0         | 0 16    | ...          | 837 28   | 6 6          | 27 39                 | ...          | ...    | ...          | 192 25  | 4 5          | 1,290 6  | 26 11  |
| Dehs transferred from the Kakur Taluka. |                                   |         | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
| Group II.                               |                                   |         | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
| 86                                      | Tor                               | 1893-94 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 69 5    | 18 8         | 69 5     | 18 8   |
|   |                                   | 1894-95 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 32 30   | 9 8          | 32 30    | 9 8    |
|   |                                   | 1895-96 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 31 30   | 7 8          | 31 30    | 7 8    |
|   |                                   | 1896-97 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 71 15   | 50 11        | 71 15    | 50 11  |
|   |                                   | Total.. | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 205 0   | 86 3         | 205 0    | 86 3   |
|   |                                   | Average | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 51 10   | 21 9         | 51 10    | 21 9   |
| 87                                      | Ladho Dero                        | 1893-94 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 86 20   | 21 12        | 86 20    | 21 12  |
|   |                                   | 1894-95 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 72 15   | 17 12        | 72 15    | 17 12  |
|   |                                   | 1895-96 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 45 30   | 11 8         | 45 30    | 11 8   |
|   |                                   | 1896-97 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 134 0   | 37 2         | 134 0    | 37 2   |
|   |                                   | Total.. | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 338 25  | 84 2         | 338 25   | 84 2   |
|   |                                   | Average | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 84 26   | 22 1         | 84 26    | 22 1   |
| 88                                      | Rajo Dero                         | 1893-94 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 20 17   | 13 8         | 20 17    | 13 8   |
|   |                                   | 1894-95 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 13 0    | 6 4          | 13 0     | 6 4    |
|   |                                   | 1895-96 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 56 15   | 15 12        | 56 15    | 15 12  |
|   |                                   | 1896-97 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 49 10   | 16 1         | 49 10    | 16 1   |
|   |                                   | Total.. | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 139 2   | 51 9         | 139 2    | 51 9   |
|   |                                   | Average | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 34 31   | 12 14        | 34 31    | 12 14  |
| 89                                      | Kasbo                             | 1893-94 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 46 30   | 15 8         | 46 30    | 15 8   |
|   |                                   | 1894-95 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 49 1    | 16 6         | 49 1     | 16 6   |
|   |                                   | 1895-96 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 35 17   | 11 2         | 35 17    | 11 2   |
|   |                                   | 1896-97 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 49 10   | 12 10        | 49 10    | 12 10  |
|   |                                   | Total.. | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 180 18  | 55 10        | 180 18   | 55 10  |
|   |                                   | Average | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 45 5    | 13 15        | 45 5     | 13 15  |
|   | Total of 2nd Group of Kakur Dehs. | 1893-94 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 222 32  | 69 4         | 222 32   | 69 4   |
|   |                                   | 1894-95 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 167 6   | 49 14        | 167 6    | 49 14  |
|   |                                   | 1895-96 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 169 12  | 45 14        | 169 12   | 45 14  |
|   |                                   | 1896-97 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 303 35  | 116 8        | 303 35   | 116 8  |
|   |                                   | Total.. | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 863 5   | 281 8        | 863 5    | 281 8  |
|   |                                   | Average | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | 215 31  | 70 6         | 215 31   | 70 6   |
| Group III.                              |                                   |         | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      |        |
| 92                                      | Kot Bajo                          | 1893-94 | ...    | ...          | ...    | ...          | ...     | ...          | 62 15    | 15 8         | 10 15                 | 7 0          | 5 0    | 2 8          | ...     | ...          | 15 15    | 9 8    |
|   |                                   | 1894-95 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | 62 15    | 15 8   |
|   |                                   | 1895-96 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      | ...    |
|   |                                   | 1896-97 | ...    | ...          | ...    | ...          | ...     | ...          | ...      | ...          | ...                   | ...          | ...    | ...          | ...     | ...          | ...      | ...    |
|   |                                   | Total.. | ...    | ...          | ...    | ...          | ...     | ...          | 62 15    | 15 8         | 10 15                 | 7 0          | 5 0    | 2 8          | ...     | ...          | 67 30    | 25 0   |
|   |                                   | Average | ...    | ...          | ...    | ...          | ...     | ...          | 13 4     | 3 14         | 2 24                  | 1 12         | 1 10   | 0 10         | ...     | ...          | 16 38    | 6 4    |

| No. on Appendix III-A                      | Name of Village.                  | Year.    | RABI.  |             |       |             |        |             |         |             |                       |             |        |             |         |             | TOTAL. |             |
|--|-----------------------------------|----------|--------|-------------|-------|-------------|--------|-------------|---------|-------------|-----------------------|-------------|--------|-------------|---------|-------------|--------|-------------|
|  |                                   |          | MOKS.  |             | LIPT. |             | CHAWI. |             | SAILAN. |             | SAILAN AIDED BY LIPT. |             | BOSI.  |             | BARANI. |             |        |             |
|  |                                   |          | Area.  | Assessment. | Area. | Assessment. | Area.  | Assessment. | Area.   | Assessment. | Area.                 | Assessment. | Area.  | Assessment. | Area.   | Assessment. | Area.  | Assessment. |
|  |                                   |          | A. g.  | Rs. a.      | A. g. | Rs. a.      | A. g.  | Rs. a.      | A. g.   | Rs. a.      | A. g.                 | Rs. a.      | A. g.  | Rs. a.      | A. g.   | Rs. a.      | A. g.  | Rs. a.      |
| 93   | Thariri Jado Shahid.              | 1893-94  | ...    | ...         | ...   | ...         | ...    | ...         | 20 23   | 13 8        | ...                   | ...         | ...    | ...         | 35 0    | ...         | 55 22  | 13 8        |
|  |                                   | 1894-95  | ...    | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                   | ...         | ...    | ...         | ...     | ...         | ...    | ...         |
|  |                                   | 1895-96  | ...    | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                   | ...         | ...    | ...         | ...     | ...         | ...    | ...         |
|  |                                   | 1896-97  | ...    | ...         | ...   | ...         | ...    | ...         | 1 12    | 0 7         | ...                   | ...         | ...    | ...         | ...     | ...         | 1 12   | 0 7         |
|  |                                   | Total... | ...    | ...         | ...   | ...         | ...    | ...         | 21 34   | 13 15       | ...                   | ...         | ...    | ...         | 36 0    | ...         | 56 34  | 13 15       |
|  | Average                           | ...      | ...    | ...         | ...   | ...         | ...    | 5 10        | 3 8     | ...         | ...                   | ...         | ...    | 8 30        | ...     | 14 9        | 3 8    |             |
|  | Total of 3rd Group of Kakur Dehs. | 1893-94  | ...    | ...         | ...   | ...         | ...    | ...         | 72 37   | 29 0        | 10 15                 | 7 0         | 5 0    | 2 8         | 35 0    | ...         | 15 15  | 9 8         |
|  |                                   | 1894-95  | ...    | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                   | ...         | ...    | ...         | ...     | ...         | 107 37 | 29 0        |
|  |                                   | 1895-96  | ...    | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                   | ...         | ...    | ...         | ...     | ...         | ...    | ...         |
|  |                                   | 1896-97  | ...    | ...         | ...   | ...         | ...    | ...         | 1 12    | 0 7         | ...                   | ...         | ...    | ...         | ...     | ...         | 1 12   | 0 7         |
| Total                                      |                                   | ...      | ...    | ...         | ...   | ...         | ...    | 74 9        | 29 7    | 10 15       | 7 0                   | 5 0         | 2 8    | 35 0        | ...     | 124 24      | 38 15  |             |
| Average                                    | ...                               | ...      | ...    | ...         | ...   | ...         | 18 22  | 7 6         | 2 24    | 1 12        | 1 10                  | 0 10        | 8 30   | ...         | 31 6    | 9 12        |        |             |
| Total of 2nd and 3rd Groups of Kakur Dehs. | 1893-94                           | ...      | ...    | ...         | ...   | ...         | ...    | 72 37       | 29 0    | 10 15       | 7 0                   | 5 0         | 2 8    | 222 32      | 69 4    | 238 7       | 78 12  |             |
|  | 1894-95                           | ...      | ...    | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                   | ...         | ...    | 202 6       | 49 14   | 275 3       | 78 14  |             |
|  | 1895-96                           | ...      | ...    | ...         | ...   | ...         | ...    | ...         | ...     | ...         | ...                   | ...         | ...    | 169 12      | 45 14   | 169 12      | 46 14  |             |
|  | 1896-97                           | ...      | ...    | ...         | ...   | ...         | ...    | 1 12        | 0 7     | ...         | ...                   | ...         | ...    | 303 35      | 116 8   | 305 7       | 116 15 |             |
|  | Total                             | ...      | ...    | ...         | ...   | ...         | ...    | 74 9        | 29 7    | 10 15       | 7 0                   | 5 0         | 2 8    | 898 5       | 281 8   | 987 29      | 320 7  |             |
| Average                                    | ...                               | ...      | ...    | ...         | ...   | ...         | 18 22  | 7 6         | 2 24    | 1 12        | 1 10                  | 0 10        | 224 21 | 70 6        | 246 37  | 80 2        |        |             |
| Grand Total of Joki and Kakur Talukas.     | 1893-94                           | ...      | ...    | 197 18      | 13 8  | ...         | ...    | 1146 29     | 0 11    | 21 30       | 7 0                   | 5 0         | 2 8    | 604 14      | 70 0    | 2275 11     | 93 11  |             |
|  | 1894-95                           | 288 30   | ...    | 240 30      | ...   | 1 26        | ...    | 1370 37     | 42 0    | 88 20       | ...                   | ...         | ...    | 489 11      | 58 8    | 2489 3      | 100 8  |             |
|  | 1895-96                           | 40 35    | ...    | 52 30       | ...   | ...         | ...    | 116 32      | ...     | 4 5         | ...                   | ...         | ...    | 214 26      | 48 12   | 435 8       | 48 12  |             |
|  | 1896-97                           | ...      | ...    | 90 27       | 50 10 | ...         | ...    | 490 22      | 12 5    | 7 0         | ...                   | ...         | ...    | 369 15      | 121 8   | 948 34      | 184 7  |             |
|  | Total                             | 336 25   | ...    | 591 4       | 64 2  | 1 25        | ...    | 3425 0      | 55 0    | 121 15      | 7 0                   | 5 0         | 2 8    | 1668 26     | 298 12  | 6148 16     | 427 6  |             |
| Average                                    | 83 36                             | ...      | 147 31 | 16 1        | 0 17  | ...         | 856 10 | 13 12       | 30 14   | 1 12        | 1 10                  | 0 10        | 417 6  | 74 11       | 1537 4  | 106 14      |        |             |

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.





## SUPPLEMENT to APPENDIX XV.

*Statement showing the eventual Recovery of Arrears of Revenue (vide column 5 of Appendix XV).*

| Year.       | Amount shown<br>in column 5. | Amount<br>remitted. | Amount<br>collected. | Balance. | Remarks.   |
|-------------|------------------------------|---------------------|----------------------|----------|--|
|             | Rs. a.                       | Rs. a.              | Rs. a.               | Rs. a.   |  |
| 1884-85 ... | 841 14                       | 35 0                | 806 14               | ...      |  |
| 1885-86 ... | 2,093 1                      | ...                 | 2,093 1              | ...      |  |
| 1886-87 ... | 1,810 7                      | ...                 | 1,810 7              | ...      |  |
| 1887-88 ... | 427 10                       | 303 0               | 124 10               | ...      |  |
| 1888-89 ... | 3,706 13                     | 1,462 4             | 2,244 9              | ...      |  |
| 1889-90 ... | 4,548 6                      | 3,858 9             | 689 13               | ...      |  |
| 1890-91 ... | 11,474 11                    | 13,225 5            | 1,249 6              | ...      |  |
| 1891-92 ... | 310 3                        | 205 10              | 104 9                | ...      |  |
| 1892-93 ... | 15,555 7                     | 13,292 4            | 1,977 14             | *285 5   | * Due from the Manager, Incumbered Estates.  |
| 1893-94 ... | 1,794 14                     | ...                 | 1,394 14             | +400 0   | + Do.  |
| 1894-95 ... | 6,430 4                      | 188 0               | 6,242 4              | ...      |  |
| 1895-96 ... | 2,032 9                      | ...                 | 1,582 4              | †450 5   | † Rs. 438-15 are due from the Manager, Incumbered Estates, and Rs. 11-6 withheld for future payment. |
| 1896-97 ... | 2,615 8                      | ...                 | 775 8                | §1,840 0 | § This sum is still withheld for future payment.   |

L. W. SEYMOUR,

Superintendent,  
Land Records and Agriculture in Sind.

Statement showing the Results of the proposed Rates as compared with the existing Rates in each 1896-97.

| No. on Appendix III-B.             | Name of Deh.   | GARDENS, &c.  |           |                        | KHARIF.             |                       |             |                |           |             |                 |           |             |               |           |             |                  |            |             |
|------------------------------------|--|---------------|-----------|------------------------|---------------------|-----------------------|-------------|----------------|-----------|-------------|-----------------|-----------|-------------|---------------|-----------|-------------|------------------|------------|-------------|
|                                    |  |               |           |                        | RICE UNDER FLOW.    |                       |             | OTHER FLOW.    |           |             | LIFT.           |           |             | BEL BARANI.   |           |             | BAND BARANI.     |            |             |
|                                    |  | Area.         | Rate.     | Assessment.            | Area.               | Rate.                 | Assessment. | Area.          | Rate.     | Assessment. | Area.           | Rate.     | Assessment. | Area.         | Rate.     | Assessment. | Area.            | Rate.      | Assessment. |
| 1st Group.                         |  | A.            | Rs. a. p. | Rs.                    | A.                  | Rs. a. p.             | Rs.         | A.             | Rs. a. p. | Rs.         | A.              | Rs. a. p. | Rs.         | A.            | Rs. a. p. | Rs.         | A.               | Rs. a. p.  | Rs.         |
| 1                                  | Shah Morio ... { Existing Assessment. Proposed Assessment. | 1 { 2 0 0 2   | 3 0 0 3   | 30 { 1 13 10 56        | 261 { 1 12 7 466    | 157 { 1 12 8 281      | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 2                                  | Bahawalpur ... { Do. Do.                                   | 1 { 3 0 0 3   | 3 0 0 3   | 30 { 2 3 9 67          | 512 { 2 5 7 1,272   | 12 { 2 2 8 28         | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 3                                  | Drigh Hethin Jagir. { Do. Do.                              | ...           | ...       | ...                    | ...                 | ...                   | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 4                                  | Johi ... { Do. Do.   | 7 { 1 11 5 12 | 3 0 0 21  | 321 { 3 4 0 722        | 51 { 2 2 10 111     | 713 { 1 13 8 1,315    | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | 11 { 1 10 0 18   | 1 10 0 18  | ...         |
| 5                                  | Dara Machhi ... { Do. Do.                                  | ...           | ...       | 612 { 2 11 9 1,674     | 71 { 2 7 2 181      | 507 { 1 15 6 997      | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | 4 { 1 10 0 6     | 1 10 0 6   | ...         |
| 6                                  | Gaba ... { Do. Do.   | 1 { 3 0 0 3   | 3 0 0 3   | 403 { 2 8 0 1,007      | 84 { 2 5 6 197      | 84 { 1 15 10 167      | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 7                                  | Chana ... { Do. Do.  | ...           | ...       | 1,504 { 2 9 8 3,913    | 23 { 3 6 3 55       | 45 { 2 3 11 101       | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 8                                  | Abad ... { Do. Do.   | ...           | ...       | 1,948 { 2 12 1 5,365   | 45 { 2 8 9 124      | 9 { 2 7 1 22          | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 9                                  | Kharichh ... { Do. Do.                                     | 1 { 2 0 0 2   | 3 0 0 3   | 2,253 { 2 12 11 6,321  | 8 { 2 6 0 19        | 42 { 2 7 7 104        | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 10                                 | Sakhro ... { Do. Do.                                       | ...           | ...       | 2,776 { 2 11 8 7,573   | 8 { 2 12 0 22       | 31 { 2 1 0 64         | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | 19 { 1 10 0 31   | 1 10 0 31  | ...         |
| 11                                 | Khan Wah ... { Do. Do.                                     | ...           | ...       | 123 { 3 0 0 309        | ...                 | ...                   | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 12                                 | Gahi Charo ... { Do. Do.                                   | ...           | ...       | 1,223 { 3 0 8 3,717    | 20 { 3 4 10 66      | ...                   | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 13                                 | Arudi ... { Do. Do.  | ...           | ...       | 574 { 2 13 6 1,633     | 10 { 3 12 10 34     | ...                   | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 14                                 | Makhan Belo ... { Do. Do.                                  | ...           | ...       | ...                    | ...                 | ...                   | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 15                                 | Lohri ... { Do. Do.  | ...           | ...       | ...                    | ...                 | ...                   | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 16                                 | Shah Hasan ... { Do. Do.                                   | ...           | ...       | ...                    | 5 { 2 12 0 14       | 4 { 2 4 0 9           | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | 11 { 1 4 0 14    | 1 4 0 14   | ...         |
| 17                                 | Dabhri ... { Do. Do.                                       | ...           | ...       | ...                    | ...                 | ...                   | ...         | ...            | ...       | ...         | 34 { 2 4 0 85   | ...       | ...         | ...           | ...       | ...         | 46 { 1 4 0 58    | 1 4 0 58   | ...         |
| Total of 1st Group Dehs. { Do. Do. |  | 1 { 2 0 0 22  | 3 0 0 33  | 11,747 { 2 12 0 32,417 | 1,114 { 2 4 3 2,572 | 1,642 { 1 14 11 3,171 | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | 91 { 1 6 4 127   | 1 6 4 127  | ...         |
| 2nd Group.                         |  |               |           |                        |                     |                       |             |                |           |             |                 |           |             |               |           |             |                  |            |             |
| 18                                 | Phulji ... { Do. Do.                                       | ...           | ...       | 3 { 2 0 0 6            | ...                 | ...                   | ...         | ...            | ...       | ...         | 85 { 1 10 6 91  | ...       | ...         | 16 { 1 0 0 16 | ...       | ...         | 128 { 1 10 0 204 | 1 10 0 204 | ...         |
| 19                                 | Mothiri ... { Do. Do.                                      | ...           | ...       | ...                    | ...                 | ...                   | ...         | ...            | ...       | ...         | 258 { 1 5 3 350 | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 20                                 | Khat ... { Do. Do.   | 1 { 1 0 6 1   | 2 8 0 2   | ...                    | ...                 | ...                   | ...         | 16 { 1 6 0 2   | ...       | ...         | 308 { 1 6 2 427 | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 21                                 | Ruthi ... { Do. Do.  | ...           | ...       | 3 { 2 14 6 9           | ...                 | ...                   | ...         | ...            | ...       | ...         | 40 { 1 15 0 95  | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 22                                 | Kur Jamik ... { Do. Do.                                    | ...           | ...       | ...                    | ...                 | ...                   | ...         | ...            | ...       | ...         | 37 { 1 10 10 62 | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 23                                 | Suranjai Jagir ... { Do. Do.                               | ...           | ...       | ...                    | ...                 | ...                   | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 24                                 | Jampur Pahl. warkl. { Do. Do.                              | ...           | ...       | ...                    | ...                 | ...                   | ...         | ...            | ...       | ...         | 35 { 1 12 4 62  | ...       | ...         | 1 { 1 0 0 1   | ...       | ...         | 9 { 1 10 0 15    | 1 10 0 15  | ...         |
| 25                                 | Vagaji ... { Do. Do.                                       | ...           | ...       | 603 { 2 3 10 1,485     | 40 { 2 3 7 89       | 111 { 2 2 4 238       | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 26                                 | Per Dhuari ... { Do. Do.                                   | ...           | ...       | 604 { 2 10 10 1,610    | 34 { 2 12 3 91      | 12 { 1 10 8 20        | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | ...              | ...        | ...         |
| 27                                 | Kur Kalan ... { Do. Do.                                    | ...           | ...       | ...                    | ...                 | ...                   | ...         | 2 { 2 10 0 5   | ...       | ...         | 32 { 2 4 0 56   | ...       | ...         | 8 { 1 0 0 8   | ...       | ...         | 100 { 1 4 0 125  | 1 4 0 125  | ...         |
| 28                                 | Machhko ... { Do. Do.                                      | ...           | ...       | ...                    | ...                 | ...                   | ...         | 32 { 2 10 0 84 | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | 113 { 1 4 0 141  | 1 4 0 141  | ...         |
| Total of 2nd Group Dehs. { Do. Do. |  | 1 { 1 0 0 1   | 2 8 0 2   | 1,273 { 2 7 2 3,116    | 124 { 2 5 11 294    | 867 { 1 9 3 1,417     | ...         | ...            | ...       | ...         | ...             | ...       | ...         | 25 { 1 0 0 25 | ...       | ...         | 350 { 1 6 4 489  | 1 6 4 489  | ...         |
| Barani Dehs.                       |  |               |           |                        |                     |                       |             |                |           |             |                 |           |             |               |           |             |                  |            |             |
| 29                                 | Harah ... { Do. Do.  | ...           | ...       | ...                    | ...                 | ...                   | ...         | ...            | ...       | ...         | 4 { 2 4 0 9     | ...       | ...         | ...           | ...       | ...         | 90 { 1 4 0 113   | 1 4 0 113  | ...         |
| 31                                 | Gorandi ... { Do. Do.                                      | ...           | ...       | ...                    | ...                 | ...                   | ...         | ...            | ...       | ...         | ...             | ...       | ...         | ...           | ...       | ...         | 17 { 1 10 0 28   | 1 10 0 28  | ...         |

## XVI.

surveyed village of Johi Taluka based on the average Cultivation of the past four years, i.e., 1893-94 to

| RABI.            |           |             |                                |           |             |         |           |             |             |           |             |              |           |             | TOTAL.   |             | INCREASE OR DECREASE. |           | INCREASE OR DECREASE PER CENT. |           | Average Rate of Assessment per Acre. |
|------------------|-----------|-------------|--------------------------------|-----------|-------------|---------|-----------|-------------|-------------|-----------|-------------|--------------|-----------|-------------|----------|-------------|-----------------------|-----------|--------------------------------|-----------|--------------------------------------|
| SAYLAB AND BORI. |           |             | SAYLAB AND BORI ADDED BY LIPT. |           |             | LIPT.   |           |             | RML BARANI. |           |             | BAND BARANI. |           |             | Area.    | Assessment. | Increase.             | Decrease. | Increase.                      | Decrease. |                                      |
| Area.            | Rate.     | Assessment. | Area.                          | Rate.     | Assessment. | Area.   | Rate.     | Assessment. | Area.       | Rate.     | Assessment. | Area.        | Rate.     | Assessment. |          |             |                       |           |                                |           |                                      |
| Acres.           | Rs. a. p. | Rs.         | Acres.                         | Rs. a. p. | Rs.         | Acres.  | Rs. a. p. | Rs.         | Acres.      | Rs. a. p. | Rs.         | Acres.       | Rs. a. p. | Rs.         | Acres.   | Rs.         | Rs.                   | Rs.       |                                | Rs. a. p. |                                      |
| 218 {            | 1 14 6    | 416         | 38 {                           | 2 1 3     | 79          | 175 {   | 1 15 0    | 339         | {           | ...       | ...         | {            | ...       | ...         | 880 {    | 1,630       | ...                   | ...       | ...                            | 1 13 10   |                                      |
|                  | 2 12 0    | 599         |                                |           | 3 12 0      |         | 142       |             |             | 2 8 0     | 438         |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 2,223                                |
| 430 {            | 2 5 11    | 1,018       | 72 {                           | 2 5 9     | 170         | 107 {   | 12 6 0    | 254         | {           | ...       | ...         | {            | ...       | ...         | 1,194 {  | 2,410       | ...                   | ...       | ...                            | 2 5 6     |                                      |
|                  | 2 12 0    | 1,182       |                                |           | 3 12 0      |         | 270       |             |             | 12 8 0    | 268         |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 3,371                                |
| ...              | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | ...      | ...         | ...                   | ...       | ...                            | ...       |                                      |
| 532 {            | 1 14 2    | 1,002       | 93 {                           | 2 2 11    | 203         | 214 {   | 12 1 11   | 454         | {           | ...       | ...         | {            | ...       | ...         | 1,942 {  | 3,827       | ...                   | ...       | ...                            | 1 15 7    |                                      |
|                  | 2 12 0    | 1,403       |                                |           | 3 12 0      |         | 349       |             |             | 12 8 0    | 535         |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 5,058                                |
| 434 {            | 2 3 2     | 953         | 51 {                           | 2 5 8     | 120         | 58 {    | 12 2 9    | 126         | {           | ...       | ...         | {            | ...       | ...         | 1,740 {  | 4,056       | ...                   | ...       | ...                            | 2 5 4     |                                      |
|                  | 2 12 0    | 1,194       |                                |           | 3 12 0      |         | 191       |             |             | 12 8 0    | 145         |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 4,716                                |
| 127 {            | 2 3 11    | 285         | 11 {                           | 2 4 4     | 25          | 29 {    | 12 4 5    | 61          | {           | ...       | ...         | {            | ...       | ...         | 739 {    | 1,735       | ...                   | ...       | ...                            | 2 5 11    |                                      |
|                  | 2 12 0    | 349         |                                |           | 3 12 0      |         | 41        |             |             | 12 8 0    | 73          |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 2,095                                |
| 215 {            | 2 6 4     | 515         | 113 {                          | 2 8 3     | 284         | 96 {    | 12 8 0    | 225         | {           | ...       | ...         | {            | ...       | ...         | 1,990 {  | 5,092       | ...                   | ...       | ...                            | 2 8 11    |                                      |
|                  | 3 13 0    | 591         |                                |           | 3 12 0      |         | 424       |             |             | 12 8 0    | 225         |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 5,916                                |
| 168 {            | 2 5 7     | 395         | 18 {                           | 2 5 4     | 42          | 30 {    | 12 3 9    | 67          | {           | ...       | ...         | {            | ...       | ...         | 2,221 {  | 6,016       | ...                   | ...       | ...                            | 2 11 4    |                                      |
|                  | 2 12 0    | 462         |                                |           | 3 12 0      |         | 67        |             |             | 12 8 0    | 75          |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 6,600                                |
| 637 {            | 2 8 9     | 1,021       | 38 {                           | 2 8 0     | 95          | 154 {   | 12 6 8    | 373         | {           | ...       | ...         | {            | ...       | ...         | 3,133 {  | 8,555       | ...                   | ...       | ...                            | 2 11 7    |                                      |
|                  | 2 12 0    | 1,752       |                                |           | 3 12 0      |         | 149       |             |             | 12 8 0    | 385         |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 9,159                                |
| 350 {            | 2 4 6     | 799         | 202 {                          | 2 2 8     | 438         | 69 {    | 12 3 9    | 154         | {           | ...       | ...         | {            | 1 10 0    | 52          | 3,497 {  | 9,142       | ...                   | ...       | ...                            | 2 9 11    |                                      |
|                  | 2 12 0    | 963         |                                |           | 3 12 0      |         | 757       |             |             | 12 8 0    | 172         |              |           | ...         |          | ...         |                       | 1 10 0    | 52                             |           | 10,335                               |
| 8,161 {          | 2 12 0    | 613         | 74 {                           | 3 8 0     | 259         | {       | ...       | ...         | {           | ...       | ...         | {            | ...       | ...         | 426 {    | 1,239       | ...                   | ...       | ...                            | 2 14 6    |                                      |
| 8,161 {          | 2 12 0    | 630         |                                |           | 3 12 0      |         | 278       |             |             | ...       | ...         |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 1,277                                |
| 780 {            | 2 12 8    | 2,202       | 62 {                           | 3 5 2     | 205         | 3 {     | 3 11 8    | 11          | {           | ...       | ...         | {            | ...       | ...         | 2,097 {  | 6,202       | ...                   | ...       | ...                            | 2 15 4    |                                      |
|                  | 2 12 0    | 2,170       |                                |           | 3 12 0      |         | 233       |             |             | 12 8 0    | 7           |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 6,134                                |
| 300 {            | 2 11 9    | 820         | 25 {                           | 3 0 8     | 76          | 26 {    | 3 3 8     | 84          | {           | ...       | ...         | {            | 1 10 0    | 6           | 939 {    | 2,657       | ...                   | ...       | ...                            | 2 13 3    |                                      |
|                  | 2 12 0    | 825         |                                |           | 3 12 0      |         | 94        |             |             | 12 8 0    | 65          |              |           | ...         |          | ...         |                       | 1 10 0    | 6                              |           | 2,740                                |
| 110 {            | 2 12 0    | 302         | {                              | ...       | ...         | {       | ...       | ...         | {           | ...       | ...         | {            | ...       | ...         | 110 {    | 302         | ...                   | ...       | ...                            | 2 12 0    |                                      |
|                  | 2 12 0    | 302         |                                |           | ...         |         | ...       |             |             | ...       | ...         |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 302                                  |
| 405 {            | 2 12 0    | 1,114       | {                              | ...       | ...         | {       | ...       | ...         | {           | ...       | ...         | {            | ...       | ...         | 405 {    | 1,114       | ...                   | ...       | ...                            | 2 12 0    |                                      |
|                  | 2 12 0    | 1,114       |                                |           | ...         |         | ...       |             |             | ...       | ...         |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 1,114                                |
| 369 {            | 2 12 0    | 1,015       | 16 {                           | 1 8 6     | 161         | 27 {    | 3 0 0     | 81          | {           | ...       | ...         | {            | ...       | ...         | 462 {    | 1,294       | ...                   | ...       | ...                            | 2 12 10   |                                      |
|                  | 2 12 0    | 1,045       |                                |           | 1 12 0      |         | 173       |             |             | 12 8 0    | 67          |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 1,292                                |
| 116 {            | 2 12 0    | 319         | 115 {                          | 3 8 0     | 463         | 55 {    | 3 0 0     | 105         | {           | 1 0 0     | 1           | {            | 1 0 0     | 1           | 371 {    | 1,031       | ...                   | ...       | ...                            | 2 12 6    |                                      |
|                  | 2 12 0    | 319         |                                |           | 3 12 0      |         | 431       |             |             | 12 8 0    | 138         |              |           | 1 0 0       |          | 1           |                       | 1 0 0     | 1                              |           | 1,032                                |
| 5,429 {          | 2 7 6     | 13,350      | 958 {                          | 2 10 9    | 2,561       | 1,037 { | 2 5 0     | 2,399       | {           | 1 0 0     | 1           | {            | 1 9 9     | 58          | 22,136 { | 56,717      | ...                   | ...       | ...                            | 2 9 0     |                                      |
|                  | 2 12 0    | 14,930      |                                |           | 3 12 0      |         | 3,504     |             |             | 2 8 0     | 2,593       |              |           | 1 0 0       |          | 1           |                       | 1 10 0    | 58                             |           | 63,559                               |
| 14 {             | 1 12 7    | 25          | 25 {                           | 2 2 7     | 54          | 6 {     | 1 8 0     | 9           | {           | ...       | ...         | {            | ...       | ...         | 247 {    | 409         | ...                   | ...       | ...                            | 1 10 6    |                                      |
|                  | 2 4 0     | 32          |                                |           | 3 4 0       |         | 81        |             |             | 2 0 0     | 12          |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 452                                  |
| 2 {              | 2 0 0     | 4           | 3 {                            | 1 10 3    | 5           | 215 {   | 1 11 10   | 371         | {           | ...       | ...         | {            | ...       | ...         | 478 {    | 743         | ...                   | ...       | ...                            | 1 8 6     |                                      |
|                  | 2 4 0     | 4           |                                |           | 2 0 0       |         | 10        |             |             | 2 0 0     | 430         |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 896                                  |
| 5 {              | 2 0 7     | 13          | 9 {                            | 1 12 5    | 16          | 327 {   | 1 7 6     | 480         | {           | ...       | ...         | {            | ...       | ...         | 606 {    | 959         | ...                   | ...       | ...                            | 1 7 0     |                                      |
|                  | 2 4 0     | 11          |                                |           | 3 4 0       |         | 29        |             |             | 2 0 0     | 653         |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 1,271                                |
| 474 {            | 0 9 3     | 275         | 24 {                           | 3 0 8     | 73          | 56 {    | 2 14 6    | 163         | {           | ...       | ...         | {            | ...       | ...         | 606 {    | 615         | ...                   | ...       | ...                            | 1 0 3     |                                      |
|                  | 2 4 0     | 1,067       |                                |           | 3 4 0       |         | 78        |             |             | 12 0 0    | 112         |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 1,251                                |
| 63 {             | 1 5 2     | 90          | 24 {                           | 1 9 8     | 151         | {       | ...       | ...         | {           | ...       | ...         | {            | ...       | ...         | 199 {    | 303         | ...                   | ...       | ...                            | 1 8 4     |                                      |
|                  | 2 4 0     | 153         |                                |           | 3 4 0       |         | 306       |             |             | ...       | ...         |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 524                                  |
| ...              | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | ...      | ...         | ...                   | ...       | ...                            | ...       |                                      |
| 177 {            | 1 10 7    | 294         | {                              | ...       | ...         | 16 {    | 1 12 0    | 28          | {           | ...       | ...         | {            | ...       | ...         | 238 {    | 400         | ...                   | ...       | ...                            | 1 10 11   |                                      |
|                  | 2 4 0     | 398         |                                |           | ...         |         | ...       |             |             | 2 0 0     | 32          |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 507                                  |
| 333 {            | 1 14 3    | 629         | 33 {                           | 2 1 11    | 70          | 130 {   | 2 3 10    | 291         | {           | ...       | ...         | {            | ...       | ...         | 1,310 {  | 2,802       | ...                   | ...       | ...                            | 2 4 3     |                                      |
|                  | 2 4 0     | 749         |                                |           | 3 4 0       |         | 107       |             |             | 12 0 0    | 290         |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 3,058                                |
| 310 {            | 2 7 7     | 767         | {                              | ...       | ...         | 13 {    | 1 14 9    | 25          | {           | ...       | ...         | {            | ...       | ...         | 973 {    | 2,522       | ...                   | ...       | ...                            | 2 9 6     |                                      |
|                  | 2 4 0     | 694         |                                |           | ...         |         | ...       |             |             | 2 0 0     | 26          |              |           | ...         |          | ...         |                       | ...       | ...                            |           | 2,331                                |
| 472 {            | 2 13 0    | 1,294       | 100 {                          | 3 8 0     | 350         | 85 {    | 3 0 0     | 253         | {           | 1 0 0     | 169         | {            | 1 4 0     | 76          | 1,029 {  | 2,358       | ...                   | ...       | ...                            | 2 4 8     |                                      |
|                  | 2 4 0     | 1,062       |                                |           | 3 4 0       |         | 325       |             |             | 12 0 0    | 170         |              |           | 1 0 0       |          | 169         |                       | 1 10 0    | 99                             |           | 2,056                                |
| 299 {            | 2 12 0    | 822         | {                              | ...       | ...         | 10 {    | 2 4 0     | 22          | {           | ...       | ...         | {            | 1 4 0     | 1           | 455 {    | 1,070       | ...                   | ...       | ...                            | 2 5 8     |                                      |
|                  | 2 4 0     | 673         |                                |           | ...         |         | ...       |             |             | 12 0 0    | 20          |              |           | ...         |          | ...         |                       | 1 4 0     | 2                              |           | 998                                  |
| 2,151 {          | 1 15 4    | 4,217       | 238 {                          | 2 7 11    | 719         | 858 {   | 1 14 9    | 1,647       | {           | 1 0 0     | 169         | {            | 1 3 10    | 77          | 6,201 {  | 12,171      | ...                   | ...       | ...                            | 1 15 5    |                                      |
|                  | 2 4 0     | 4,447       |                                |           | 3 4 0       |         | 936       |             |             | 2 0 0     | 1,716       |              |           | 1 0 0       |          | 169         |                       | 1 10 0    | 101                            |           | 13,354                               |
| 8 {              | 2 12 0    | 22          | {                              | ...       | ...         | 5 {     | 2 4 0     | 11          | {           | ...       | ...         | {            | 1 4 0     | 3           | 109 {    | 157         | ...                   | ...       | ...                            | 1 7 1     |                                      |
|                  | 2 12 0    | 22          |                                |           | ...         |         | ...       |             |             | 2 8 0     | 13          |              |           | ...         |          | ...         |                       | 1 4 0     | 3                              |           | 160                                  |
| ...              | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | ...      | ...         | ...                   | ...       | ...                            | ...       |                                      |
|                  | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | ...      | ...         | ...                   | ...       | ...                            | ...       |                                      |
|                  | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | ...      | ...         | ...                   | ...       | ...                            | ...       |                                      |
|                  | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | ...      | ...         | ...                   | ...       | ...                            | ...       |                                      |
|                  | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | ...      | ...         | ...                   | ...       | ...                            | ...       |                                      |
|                  | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | ...      | ...         | ...                   | ...       | ...                            | ...       |                                      |
|                  | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | ...      | ...         | ...                   | ...       | ...                            | ...       |                                      |
|                  | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | ...      | ...         | ...                   | ...       | ...                            | ...       |                                      |
|                  | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | ...      | ...         | ...                   | ...       | ...                            | ...       |                                      |
|                  | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | ...      | ...         | ...                   | ...       | ...                            | ...       |                                      |
|                  | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | ...      | ...         | ...                   | ...       | ...                            | ...       |                                      |
|                  | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | ...      | ...         | ...                   | ...       | ...                            | ...       |                                      |
|                  | ...       | ...         | ...                            | ...       | ...         | ...     | ...       | ...         | ...         | ...       | ...         |              |           |             |          |             |                       |           |                                |           |                                      |



| No on Appendix III-B. | Name of Delh.  | GARDENS, &c.         |           |             | KHARIF.          |           |             |             |           |             |        |           |             |                        |                          |                          |                          |                          |                          |
|-----------------------|--|----------------------|-----------|-------------|------------------|-----------|-------------|-------------|-----------|-------------|--------|-----------|-------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                       |  |                      |           |             | RICK UNDER FLOW. |           |             | OTHER FLOW. |           |             | LIFT.  |           |             | REL BARANI.            |                          |                          | BAND BARANI.             |                          |                          |
|                       |  | Area.                | Rate.     | Assessment. | Area.            | Rate.     | Assessment. | Area.       | Rate.     | Assessment. | Area.  | Rate.     | Assessment. | Area.                  | Rate.                    | Assessment.              | Area.                    | Rate.                    | Assessment.              |
|                       | Barani Dehs—continued.                                       | A.                   | Rs. a. p. | Rs.         | Acres.           | Rs. a. p. | Rs.         | Acres.      | Rs. a. p. | R.          | Acres. | Rs. a. p. | Rs.         | Acres.                 | Rs. a. p.                | Rs.                      | Acres.                   | Rs. a. p.                | Rs.                      |
| 32                    | Phadik { Existing Assess-<br>ment. Proposed Assess-<br>ment. | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 411 { 1 0 0<br>1 0 0   | 411 { 1 10 0<br>1 10 0   | 262 { 2 10 0<br>2 10 0   | 161 { 1 10 0<br>1 10 0   | 262 { 2 10 0<br>2 10 0   | 262 { 2 10 0<br>2 10 0   |
| 33                    | Wah Pir Gaji... { Do.<br>Do.                                 | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 393 { 1 0 0<br>1 0 0   | 393 { 1 10 0<br>1 10 0   | 195 { 1 10 0<br>1 10 0   | 120 { 1 10 0<br>1 10 0   | 195 { 1 10 0<br>1 10 0   | 195 { 1 10 0<br>1 10 0   |
| 34                    | Dhaunk ... { Do.<br>Do.                                      | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 866 { 1 0 0<br>1 0 0   | 866 { 1 10 0<br>1 10 0   | 515 { 1 10 0<br>1 10 0   | 317 { 1 10 0<br>1 10 0   | 515 { 1 10 0<br>1 10 0   | 515 { 1 10 0<br>1 10 0   |
| 35                    | Tori ... { Do.<br>Do.  | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 1,523 { 1 0 0<br>1 0 0 | 1,523 { 1 10 0<br>1 10 0 | 1,815 { 1 10 0<br>1 10 0 | 1,117 { 1 10 0<br>1 10 0 | 1,815 { 1 10 0<br>1 10 0 | 1,815 { 1 10 0<br>1 10 0 |
| 36                    | Aogai ... { Do.<br>Do.                                       | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 902 { 1 0 0<br>1 0 0   | 902 { 1 10 0<br>1 10 0   | 2,386 { 1 10 0<br>1 10 0 | 1,468 { 1 10 0<br>1 10 0 | 2,386 { 1 10 0<br>1 10 0 | 2,386 { 1 10 0<br>1 10 0 |
| 37                    | Dasham Fakir... { Do.<br>Do.                                 | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 182 { 1 0 0<br>1 0 0   | 182 { 1 10 0<br>1 10 0   | 536 { 1 10 0<br>1 10 0   | 330 { 1 10 0<br>1 10 0   | 536 { 1 10 0<br>1 10 0   | 536 { 1 10 0<br>1 10 0   |
| 38                    | Chhini ... { Do.<br>Do.                                      | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 290 { 1 0 0<br>1 0 0   | 290 { 1 10 0<br>1 10 0   | 1,292 { 1 10 0<br>1 10 0 | 795 { 1 10 0<br>1 10 0   | 1,292 { 1 10 0<br>1 10 0 | 1,292 { 1 10 0<br>1 10 0 |
| 40                    | Sawiro ... { Do.<br>Do.                                      | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 571 { 1 0 0<br>1 0 0   | 571 { 1 10 0<br>1 10 0   | 1,673 { 1 10 0<br>1 10 0 | 968 { 1 10 0<br>1 10 0   | 1,673 { 1 10 0<br>1 10 0 | 1,673 { 1 10 0<br>1 10 0 |
| 41                    | Bahlel ... { Do.<br>Do.                                      | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 106 { 1 0 0<br>1 0 0   | 106 { 1 10 0<br>1 10 0   | 613 { 1 10 0<br>1 10 0   | 377 { 1 10 0<br>1 10 0   | 613 { 1 10 0<br>1 10 0   | 613 { 1 10 0<br>1 10 0   |
| 42                    | Shadman ... { Do.<br>Do.                                     | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | ...                    | ...                      | 866 { 1 10 0<br>1 10 0   | 533 { 1 10 0<br>1 10 0   | 866 { 1 10 0<br>1 10 0   | 866 { 1 10 0<br>1 10 0   |
| 43                    | Khadani ... { Do.<br>Do.                                     | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 28 { 1 0 0<br>1 0 0    | 28 { 1 10 0<br>1 10 0    | 1,915 { 1 10 0<br>1 10 0 | 1,532 { 1 10 0<br>1 10 0 | 2,490 { 1 10 0<br>1 10 0 | 2,490 { 1 10 0<br>1 10 0 |
| 44                    | Tok Kasim ... { Do.<br>Do.                                   | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | ...                    | ...                      | 144 { 1 10 0<br>1 10 0   | 115 { 1 10 0<br>1 10 0   | 144 { 1 10 0<br>1 10 0   | 144 { 1 10 0<br>1 10 0   |
| 45                    | Kukrani ... { Do.<br>Do.                                     | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | ...                    | ...                      | 53 { 1 10 0<br>1 10 0    | 42 { 1 10 0<br>1 10 0    | 53 { 1 10 0<br>1 10 0    | 53 { 1 10 0<br>1 10 0    |
| 47                    | Nali ... { Do.<br>Do.  | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 95 { 1 0 0<br>1 0 0    | 95 { 1 10 0<br>1 10 0    | 2,764 { 1 10 0<br>1 10 0 | 1,701 { 1 10 0<br>1 10 0 | 2,764 { 1 10 0<br>1 10 0 | 2,764 { 1 10 0<br>1 10 0 |
| 48                    | Thul ... { Do.<br>Do.  | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 63 { 1 0 0<br>1 0 0    | 63 { 1 10 0<br>1 10 0    | 1,409 { 1 10 0<br>1 10 0 | 867 { 1 10 0<br>1 10 0   | 1,409 { 1 10 0<br>1 10 0 | 1,409 { 1 10 0<br>1 10 0 |
| 50                    | Miran Machhi... { Do.<br>Do.                                 | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | ...                    | ...                      | 82 { 1 10 0<br>1 10 0    | 66 { 1 10 0<br>1 10 0    | 82 { 1 10 0<br>1 10 0    | 82 { 1 10 0<br>1 10 0    |
| 51                    | Bakhr Shahid... { Do.<br>Do.                                 | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 6 { 1 0 0<br>1 0 0     | 6 { 1 10 0<br>1 10 0     | 610 { 1 10 0<br>1 10 0   | 394 { 1 10 0<br>1 10 0   | 610 { 1 10 0<br>1 10 0   | 610 { 1 10 0<br>1 10 0   |
| 52                    | Naunari ... { Do.<br>Do.                                     | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | ...                    | ...                      | 148 { 1 10 0<br>1 10 0   | 91 { 1 10 0<br>1 10 0    | 148 { 1 10 0<br>1 10 0   | 148 { 1 10 0<br>1 10 0   |
| 53                    | Jampur Lundki { Do.<br>Do.                                   | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 16 { 1 0 0<br>1 0 0    | 16 { 1 10 0<br>1 10 0    | 515 { 1 10 0<br>1 10 0   | 317 { 1 10 0<br>1 10 0   | 515 { 1 10 0<br>1 10 0   | 515 { 1 10 0<br>1 10 0   |
| 54                    | Naushahro ... { Do.<br>Do.                                   | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 76 { 1 0 0<br>1 0 0    | 76 { 1 10 0<br>1 10 0    | 1,094 { 1 10 0<br>1 10 0 | 673 { 1 10 0<br>1 10 0   | 1,094 { 1 10 0<br>1 10 0 | 1,094 { 1 10 0<br>1 10 0 |
| 55                    | Nai Taki ... { Do.<br>Do.                                    | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 3 { 1 0 0<br>1 0 0     | 3 { 1 10 0<br>1 10 0     | 468 { 1 10 0<br>1 10 0   | 288 { 1 10 0<br>1 10 0   | 468 { 1 10 0<br>1 10 0   | 468 { 1 10 0<br>1 10 0   |
| 56                    | Wahi Pandhi... { Do.<br>Do.                                  | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | ...                    | ...                      | 1,892 { 1 10 0<br>1 10 0 | 1,164 { 1 10 0<br>1 10 0 | 1,892 { 1 10 0<br>1 10 0 | 1,892 { 1 10 0<br>1 10 0 |
| 60                    | Jalab ... { Do.<br>Do.                                       | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | ...                    | ...                      | 647 { 1 10 0<br>1 10 0   | 398 { 1 10 0<br>1 10 0   | 647 { 1 10 0<br>1 10 0   | 647 { 1 10 0<br>1 10 0   |
| 61                    | Halejo ... { Do.<br>Do.                                      | 1 1 10 0<br>1 1 10 0 | 2<br>2    | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | ...                    | ...                      | 1,172 { 1 10 0<br>1 10 0 | 731 { 1 10 0<br>1 10 0   | 1,172 { 1 10 0<br>1 10 0 | 1,172 { 1 10 0<br>1 10 0 |
| 63                    | Potho ... { Do.<br>Do.                                       | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 2 { 1 0 0<br>1 0 0     | 2 { 1 10 0<br>1 10 0     | 842 { 1 10 0<br>1 10 0   | 518 { 1 10 0<br>1 10 0   | 842 { 1 10 0<br>1 10 0   | 842 { 1 10 0<br>1 10 0   |
| 64                    | Phero Dero ... { Do.<br>Do.                                  | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 2 { 1 0 0<br>1 0 0     | 2 { 1 10 0<br>1 10 0     | 931 { 1 10 0<br>1 10 0   | 673 { 1 10 0<br>1 10 0   | 931 { 1 10 0<br>1 10 0   | 931 { 1 10 0<br>1 10 0   |
| 66                    | Allahyar Dero... { Do.<br>Do.                                | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 17 { 1 0 0<br>1 0 0    | 17 { 1 10 0<br>1 10 0    | 999 { 1 10 0<br>1 10 0   | 615 { 1 10 0<br>1 10 0   | 999 { 1 10 0<br>1 10 0   | 999 { 1 10 0<br>1 10 0   |
| 67                    | Haji Khan ... { Do.<br>Do.                                   | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 65 { 1 0 0<br>1 0 0    | 65 { 1 10 0<br>1 10 0    | 1,973 { 1 10 0<br>1 10 0 | 1,214 { 1 10 0<br>1 10 0 | 1,973 { 1 10 0<br>1 10 0 | 1,973 { 1 10 0<br>1 10 0 |
| 68                    | Gaji Khan ... { Do.<br>Do.                                   | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | ...                    | ...                      | 1,374 { 1 10 0<br>1 10 0 | 846 { 1 10 0<br>1 10 0   | 1,374 { 1 10 0<br>1 10 0 | 1,374 { 1 10 0<br>1 10 0 |
| 73                    | Hasnani ... { Do.<br>Do.                                     | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | ...                    | ...                      | 1,480 { 1 10 0<br>1 10 0 | 911 { 1 10 0<br>1 10 0   | 1,480 { 1 10 0<br>1 10 0 | 1,480 { 1 10 0<br>1 10 0 |
| 74                    | Kot Chakar ... { Do.<br>Do.                                  | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 3 { 1 0 0<br>1 0 0     | 3 { 1 10 0<br>1 10 0     | 1,677 { 1 10 0<br>1 10 0 | 1,032 { 1 10 0<br>1 10 0 | 1,677 { 1 10 0<br>1 10 0 | 1,677 { 1 10 0<br>1 10 0 |
| 75                    | Pai ... { Do.<br>Do.   | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 3 { 1 0 0<br>1 0 0     | 3 { 1 10 0<br>1 10 0     | 197 { 1 10 0<br>1 10 0   | 121 { 1 10 0<br>1 10 0   | 197 { 1 10 0<br>1 10 0   | 197 { 1 10 0<br>1 10 0   |
| 76                    | Hero Khan ... { Do.<br>Do.                                   | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | ...                    | ...                      | 619 { 1 10 0<br>1 10 0   | 381 { 1 10 0<br>1 10 0   | 619 { 1 10 0<br>1 10 0   | 619 { 1 10 0<br>1 10 0   |
| 77                    | Murid Dero ... { Do.<br>Do.                                  | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 7 { 1 0 0<br>1 0 0     | 7 { 1 10 0<br>1 10 0     | 802 { 1 10 0<br>1 10 0   | 494 { 1 10 0<br>1 10 0   | 802 { 1 10 0<br>1 10 0   | 802 { 1 10 0<br>1 10 0   |
| 78                    | Masu Dero ... { Do.<br>Do.                                   | ...                  | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...    | ...       | ...         | 4 { 1 0 0<br>1 0 0     | 4 { 1 10 0<br>1 10 0     | 2,808 { 1 10 0<br>1 10 0 | 1,728 { 1 10 0<br>1 10 0 | 2,808 { 1 10 0<br>1 10 0 | 2,808 { 1 10 0<br>1 10 0 |

| RABI.             |           |             |                                 |           |             |        |           |             |             |           |             |              |           |             | TOTAL. |             | INCREASE OR DECREASE. |           | INCREASE OR DECREASE PER CENT. |           | Average Rate of Assessment per Acre. |
|-------------------|-----------|-------------|---------------------------------|-----------|-------------|--------|-----------|-------------|-------------|-----------|-------------|--------------|-----------|-------------|--------|-------------|-----------------------|-----------|--------------------------------|-----------|--------------------------------------|
| SAILAB AND BOSEI. |           |             | SAILAB AND BOSEI AIDED BY LIPT. |           |             | LIPT.  |           |             | REL HARANI. |           |             | BAND HARANI. |           |             |        |             |                       |           |                                |           |                                      |
| Area.             | Rate.     | Assessment. | Area.                           | Rate.     | Assessment. | Area.  | Rate.     | Assessment. | Area.       | Rate.     | Assessment. | Area.        | Rate.     | Assessment. | Area.  | Assessment. | Increase.             | Decrease. | Increase.                      | Decrease. |                                      |
| Acres.            | Rs. a. p. | Rs.         | Acres.                          | Rs. a. p. | Rs.         | Acres. | Rs. a. p. | Rs.         | Acres.      | Rs. a. p. | Rs.         | Acres.       | Rs. a. p. | Rs.         | Acres. | Rs.         | Rs.                   | Rs.       |                                |           | Rs. a. p.                            |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 56           | 1 10 0    | 91          | 638    | 764         | ...                   | ...       | ...                            | ...       | 1 3 6                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 56           | 1 10 0    | 91          | 638    | 764         | ...                   | ...       | ...                            | ...       | 1 3 6                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 115          | 1 10 0    | 187         | 625    | 775         | ...                   | ...       | ...                            | ...       | 1 3 9                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 115          | 1 10 0    | 187         | 625    | 775         | ...                   | ...       | ...                            | ...       | 1 3 9                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 11           | 1 10 0    | 18          | 1194   | 1399        | ...                   | ...       | ...                            | ...       | 1 3 9                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 11           | 1 10 0    | 18          | 1194   | 1399        | ...                   | ...       | ...                            | ...       | 1 3 9                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 7            | 1 10 0    | 11          | 3247   | 3349        | ...                   | ...       | ...                            | ...       | 1 4 3                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 7            | 1 10 0    | 11          | 3247   | 3349        | ...                   | ...       | ...                            | ...       | 1 4 3                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 3            | 1 10 0    | 5           | 3273   | 3293        | ...                   | ...       | ...                            | ...       | 1 6 2                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 3            | 1 10 0    | 5           | 3273   | 3293        | ...                   | ...       | ...                            | ...       | 1 6 2                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 3            | 1 10 0    | 5           | 515    | 723         | ...                   | ...       | ...                            | ...       | 1 6 6                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 3            | 1 10 0    | 5           | 515    | 723         | ...                   | ...       | ...                            | ...       | 1 6 6                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 16           | 1 10 0    | 26          | 1101   | 1008        | ...                   | ...       | ...                            | ...       | 1 7 4                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 16           | 1 10 0    | 26          | 1101   | 1008        | ...                   | ...       | ...                            | ...       | 1 7 4                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 9            | 1 10 0    | 15          | 1551   | 2162        | ...                   | ...       | ...                            | ...       | 1 6 4                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 9            | 1 10 0    | 15          | 1551   | 2162        | ...                   | ...       | ...                            | ...       | 1 6 4                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 485    | 719         | ...                   | ...       | ...                            | ...       | 1 7 10                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 485    | 719         | ...                   | ...       | ...                            | ...       | 1 7 10                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 535    | 866         | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 535    | 866         | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 1600   | 1043        | ...                   | ...       | ...                            | ...       | 1 3 11                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 1600   | 2518        | 678                   | ...       | 29 50                          | ...       | 1 9 10                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 115    | 144         | ...                   | ...       | ...                            | ...       | 1 4 0                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 115    | 144         | ...                   | ...       | ...                            | ...       | 1 4 0                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 42     | 53          | ...                   | ...       | ...                            | ...       | 1 4 0                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 42     | 53          | ...                   | ...       | ...                            | ...       | 1 4 0                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 1796   | 2330        | ...                   | ...       | ...                            | ...       | 1 9 6                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 1796   | 2330        | ...                   | ...       | ...                            | ...       | 1 9 6                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 4            | 1 10 0    | 7           | 631    | 1179        | ...                   | ...       | ...                            | ...       | 1 9 4                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 4            | 1 10 0    | 7           | 631    | 1179        | ...                   | ...       | ...                            | ...       | 1 9 4                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 66     | 82          | ...                   | ...       | ...                            | ...       | 1 4 0                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 66     | 82          | ...                   | ...       | ...                            | ...       | 1 4 0                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 400    | 646         | ...                   | ...       | ...                            | ...       | 1 9 10                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 400    | 646         | ...                   | ...       | ...                            | ...       | 1 9 10                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 1            | 1 10 0    | 10          | 93     | 151         | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 1            | 1 10 0    | 10          | 93     | 151         | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 333    | 531         | ...                   | ...       | ...                            | ...       | 1 9 6                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 333    | 531         | ...                   | ...       | ...                            | ...       | 1 9 6                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 767    | 1142        | ...                   | ...       | ...                            | ...       | 1 9 0                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 767    | 1142        | ...                   | ...       | ...                            | ...       | 1 9 0                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 294    | 471         | ...                   | ...       | ...                            | ...       | 1 9 11                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 294    | 471         | ...                   | ...       | ...                            | ...       | 1 9 11                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 34           | 1 10 0    | 38          | 121    | 190         | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | 34           | 1 10 0    | 38          | 121    | 190         | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 39     | 637         | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 39     | 637         | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 72     | 1074        | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 72     | 1074        | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 521    | 815         | ...                   | ...       | ...                            | ...       | 1 9 11                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 521    | 815         | ...                   | ...       | ...                            | ...       | 1 9 11                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 577    | 939         | ...                   | ...       | ...                            | ...       | 1 9 11                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 577    | 939         | ...                   | ...       | ...                            | ...       | 1 9 11                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 636    | 1035        | ...                   | ...       | ...                            | ...       | 1 9 9                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 636    | 1035        | ...                   | ...       | ...                            | ...       | 1 9 9                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 130    | 2079        | ...                   | ...       | ...                            | ...       | 1 9 6                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 130    | 2079        | ...                   | ...       | ...                            | ...       | 1 9 6                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 38     | 1442        | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 38     | 1442        | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 154    | 1729        | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 154    | 1729        | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 111    | 180         | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 111    | 180         | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 5      | 8           | ...                   | ...       | ...                            | ...       | 1 9 8                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 5      | 8           | ...                   | ...       | ...                            | ...       | 1 9 8                                |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 28     | 46          | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 28     | 46          | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 91     | 123         | ...                   | ...       | ...                            | ...       | 1 9 10                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 91     | 123         | ...                   | ...       | ...                            | ...       | 1 9 10                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 52     | 123         | ...                   | ...       | ...                            | ...       | 1 10 0                               |
| ...               | ...       | ...         | ...                             | ...       | ...         | ...    | ...       | ...         | ...         | ...       | ...         | ...          | ...       | ...         | 52     | 123         | ...                   | ...       | ...                            | ...       | 1 10 0                               |

| No. on Appendix III-B. | Name of Deb.   | GARDENS, &c. |           |             | KHARIF.          |           |             |             |           |             |       |           |             |             |           |             |              |                |             |
|------------------------|--|--------------|-----------|-------------|------------------|-----------|-------------|-------------|-----------|-------------|-------|-----------|-------------|-------------|-----------|-------------|--------------|----------------|-------------|
|                        |  |              |           |             | RICH UNDER FLOW. |           |             | OTHER FLOW. |           |             | LIFT. |           |             | REL BARANI. |           |             | HAND BARANI. |                |             |
|                        |  | Area.        | Rate.     | Assessment. | Area.            | Rate.     | Assessment. | Area.       | Rate.     | Assessment. | Area. | Rate.     | Assessment. | Area.       | Rate.     | Assessment. | Area.        | Rate.          | Assessment. |
|                        | <i>Barani Dehs—concid.</i>   | A.           | Rs. a. p. | Rs.         | A.               | Rs. a. p. | Rs.         | A.          | Rs. a. p. | Rs.         | A.    | Rs. a. p. | Rs.         | A.          | Rs. a. p. | Rs.         | A.           | Rs. a. p.      | Rs.         |
| 79                     | Naichki { Existing Assessment. ... }<br>Proposed Assessment. ... } | ...          | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...   | ...       | ...         | ...         | ...       | ...         | 123          | 1 10 0         | 200         |
| 80                     | Mir wah { Do. ... }<br>Do. ... }                                   | ...          | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...   | ...       | ...         | 282         | 1 0 0     | 282         | 38           | 1 10 0         | 62          |
| 81                     | Suk Nat { Do. ... }<br>Do. ... }                                   | ...          | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...   | ...       | ...         | 50          | 1 0 0     | 50          | 888          | 1 10 0         | 1,410       |
| 83                     | Nuro { Do. ... }<br>Do. ... }                                      | ...          | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...   | ...       | ...         | ...         | ...       | ...         | 976          | 1 10 0         | 1,586       |
| 84                     | Jhaiko { Do. ... }<br>Do. ... }                                    | ...          | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...   | ...       | ...         | 23          | 1 0 0     | 23          | 652          | 1 10 0         | 1,039       |
| 85                     | Duabo { Do. ... }<br>Do. ... }                                     | ...          | ...       | ...         | ...              | ...       | ...         | ...         | ...       | ...         | ...   | ...       | ...         | 83          | 1 0 0     | 83          | 1,453        | 1 10 0         | 2,359       |
|                        | Total of Barani dehs. { Do. ... }<br>Do. ... }                     | 1            | 1 10 0    | 2           | ...              | ...       | ...         | ...         | ...       | ...         | 4     | 2 4 0     | 9           | 6,075       | ...       | 6,075       | 27,204       | 1 4 0 & 1 10 0 | 43,514      |
|                        | GRAND TOTAL... { Do. ... }<br>Do. ... }                            | 13           | ...       | 25          | 13,070           | ...       | 35,533      | 1,258       | ...       | 2,895       | 2,543 | ...       | 4,597       | 6,100       | ...       | 6,100       | 27,645       | ...            | 44,130      |
|                        |  |              |           | 37          |                  |           | 38,574      |             |           | 3,398       |       |           | 5,273       |             |           | 6,100       |              |                | 44,728      |

Superintendent  
Land Records and Agriculture in



## ABSTRACT OF

*Statement showing the Results of the proposed Rates as compared with the existing years 1893-94 to 1896-97.*

| Group.      |                      | GARDENS, &c. |           |             | KHARIF.          |           |             |             |           |             |        |           |
|-------------|----------------------|--------------|-----------|-------------|------------------|-----------|-------------|-------------|-----------|-------------|--------|-----------|
|             |                      |              |           |             | RICE UNDER FLOW. |           |             | OTHER FLOW. |           |             | LIFT.  |           |
|             |                      | Area.        | Rate.     | Assessment. | Area.            | Rate.     | Assessment. | Area.       | Rate.     | Assessment. | Area.  | Rate.     |
|             |                      | Acres.       | Rs. a. p. | Rs.         | Acres.           | Rs. a. p. | Rs.         | Acres.      | Rs. a. p. | Rs.         | Acres. | Rs. a. p. |
| I Group     | Existing Assessment. | 11           | 2 0 0     | 22          | 11,797           | 2 12 0    | 32,417      | 1,134       | 2 4 3     | 2,372       | 1,612  | 1 14 11   |
|             | Proposed Assessment. |              | 3 0 0     | 33          |                  | 3 0 0     | 35,391      |             | 2 12 0    | 3,119       |        | 2 4 0     |
| II Group    | Do.                  | 1            | 1 0 0     | 1           | 1,273            | 2 7 2     | 3,116       | 124         | 2 5 11    | 294         | 897    | 1 9 3     |
|             | Do.                  |              | 2 8 0     | 2           |                  | 2 8 0     | 3,183       |             | 2 4 0     | 279         |        | 1 12 0    |
| Barani Dehs | Do.                  | 1            | 1 10 0    | 2           |                  | ...       | ...         |             | ...       | ...         | 4      | 2 4 0     |
|             | Do.                  |              | 1 10 0    | 2           |                  | ...       | ...         |             | ...       | ...         |        | 2 4 0     |
| Total       | Do.                  | 13           | ...       | 25          | 13,070           | ...       | 35,533      | 1,258       | ...       | 2,566       | 2,513  | ...       |
|             | Do.                  |              | ...       | 37          |                  | ...       | 38,574      |             | ...       | 3,398       |        | ...       |

| Group.      |                      | KHARIF—contd. |        |              |             |              |           |             |        | RABI.            |             |
|-------------|----------------------|---------------|--------|--------------|-------------|--------------|-----------|-------------|--------|------------------|-------------|
|             |                      | LIFT—contd.   |        | REL. BARANI. |             | BAND BARANI. |           |             |        | SAILAB AND BOBI. |             |
|             |                      | Assessment.   | Area.  | Rate.        | Assessment. | Area.        | Rate.     | Assessment. | Area.  | Rate.            | Assessment. |
|             |                      | Rs.           | Acres. | Rs. a. p.    | Rs.         | Acres.       | Rs. a. p. | Rs.         | Acres. | Rs. a. p.        | Rs.         |
| I Group     | Existing Assessment. | 3,171         |        | ...          |             | 91           | 1 6 4     | 127         |        | 2 7 0            | 13,589      |
|             | Proposed Assessment. | 3,694         |        | ...          |             |              | 1 4 0     | 127         | 5,429  | 2 12 0           | 14,930      |
| II Group    | Do.                  | 1,417         | 25     | 1 0 0        | 25          | 350          | 1 6 4     | 489         |        | 1 15 4           | 4,247       |
|             | Do.                  | 1,579         |        | 1 0 0        | 25          |              | 1 4 0     | 526         | 2,154  | 2 4 0            | 4,847       |
| Barani Dehs | Do.                  | 9             |        | 1 0 0        | 6,075       |              | 1 10 0    | 13,514      |        | 2 12 0           | 22          |
|             | Do.                  | 9             | 6,075  |              | 6,075       | 27,204       | 1 4 0     |             | 8      |                  |             |
| Total       | Do.                  | 4,597         | 6,100  | ...          | 6,100       | 27,615       | ...       | 44,130      | 7,591  | ...              | 17,548      |
|             | Do.                  | 5,273         |        | ...          | 6,100       |              | ...       | 44,723      |        | ...              | 19,799      |

## APPENDIX XVI.

Rates in each group of Johi Taluka based on the average Cultivation of the past four

| Group.          |                      | RABI—contd.                    |        |             |       |        |             |             |       |             |
|-----------------|----------------------|--------------------------------|--------|-------------|-------|--------|-------------|-------------|-------|-------------|
|                 |                      | SAILAB AND RORI AIDED BY LIPT. |        |             | LIPT. |        |             | REL BARANI. |       |             |
|                 |                      | Area.                          | Rate.  | Assessment. | Area. | Rate.  | Assessment. | Area.       | Rate. | Assessment. |
| I Group ...     | Existing Assessment. | 958                            | 2 10 9 | 2,561       | 1,037 | 2 5 0  | 2,399       | 1           | 1 0 0 | 1           |
|                 | Proposed Assessment. |                                | 3 12 0 | 3,593       |       | 2 8 0  | 2,593       |             | 1 0 0 | 1           |
| II Group ...    | Do.                  | 288                            | 2 7 11 | 719         | 858   | 1 14 9 | 1,647       | 169         | 1 0 0 | 169         |
|                 | Do.                  |                                | 3 4 0  | 936         |       | 2 0 0  | 1,716       |             | 1 0 0 | 169         |
| Barani Dehs ... | Do.                  | ...                            | ...    | ...         | 5     | 2 4 0  | 11          | 9           | 1 0 0 | 9           |
|                 | Do.                  |                                | ...    | ...         |       | 2 8 0  | 13          |             | 1 0 0 | 9           |
| Total ...       | Do.                  | 1,246                          | ...    | 3,280       | 1,900 | ...    | 4,057       | 179         | ...   | 179         |
|                 | Do.                  |                                | ...    | 4,529       |       | ...    | 4,322       |             | ...   | 179         |

| Group.          |                      | RABI—contd.  |        |             |        |             |                       |           |                                |           |
|-----------------|----------------------|--------------|--------|-------------|--------|-------------|-----------------------|-----------|--------------------------------|-----------|
|                 |                      | BAND BARANI. |        |             | TOTAL. |             | INCREASE OR DECREASE. |           | INCREASE OR DECREASE PER CENT. |           |
|                 |                      | Area.        | Rate.  | Assessment. | Area.  | Assessment. | Increase.             | Decrease. | Increase.                      | Decrease. |
| I Group ...     | Existing Assessment. | 36           | 1 9 9  | 58          | 22,136 | 56,717      | ...                   | ...       | ...                            | ...       |
|                 | Proposed Assessment. |              | 1 10 0 | 58          |        | 63,539      | 6,822                 | ...       | 12.03                          | ...       |
| II Group ...    | Do.                  | 62           | 1 3 10 | 77          | 6,201  | 12,171      | ...                   | ...       | ...                            | ...       |
|                 | Do.                  |              | 1 10 0 | 101         |        | 13,354      | 1,183                 | ...       | 9.72                           | ...       |
| Barani Dehs ... | Do.                  | 1,156        | 1 4 0  | 1,879       | 34,462 | 51,521      | ...                   | ...       | ...                            | ...       |
|                 | Do.                  |              | 1 10 0 | ...         |        | 52,084      | 563                   | ...       | 1.09                           | ...       |
| Total ...       | Do.                  | 1,264        | ...    | 2014        | 62,799 | 1,20,409    | ...                   | ...       | ...                            | ...       |
|                 | Do.                  |              | ...    | 2038        |        | 1,28,977    | 8,568                 | ...       | 7.12                           | ...       |

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.

## APPENDIX

Statement showing Cultivation in unsurveyed land in the Johi Taluka on an

| No. on Appendix<br>III-A. | Name of Delh.          | Class of land. | Area.     | Rate<br>per acre. | Assess-<br>ment. | Increase or Decrease. | Increase or Decrease<br>per cent. | LIFT.   |               |                  |                             |                                  |
|---------------------------|------------------------|----------------|-----------|-------------------|------------------|-----------------------|-----------------------------------|---------|---------------|------------------|-----------------------------|----------------------------------|
|                           |                        |                |           |                   |                  |                       |                                   | Area.   | Rate.         | Assess-<br>ment. | Area.                       |                                  |
|                           |                        |                |           |                   |                  |                       |                                   | A. g.   | Rs. a.        | Rs. a.           | A. g.                       |                                  |
| 1                         | 2                      | 3              | 4         | 5                 | 6                | 7                     | 8                                 | 9       | 10            | 11               | 12                          |                                  |
| 7                         | Makhan Belo ...        | Unsurveyed.    | A. g.     | Rs. a. p.         | Rs. a.           | Rs.                   |                                   | A. g.   | Rs. a.        | Rs. a.           | A. g.                       |                                  |
|                           | 2 32                   |                | 1 14 0    | 5 4               | +                | 3                     | + 60.0                            | ...     | ...           | ...              | 0 34<br>0 6<br>1 32<br>2 32 |                                  |
| 8                         | Shah Hasan . . . .     |                | 4 28      | 1 9 0             | 7 13             | +                     | 4                                 | + 50.0  | 0 12<br>0 29  | 2 4<br>3 0       | 0 11<br>2 3                 | 1 1<br>0 5<br>0 4<br>1 8<br>2 18 |
|                           |                        |                |           |                   |                  |                       |                                   |         | 1 1           | ...              | 2 14                        | 2 18                             |
| 9                         | Dabhri ...             |                | 32 8      | 2 3 0             | 71 7             | +                     | 5                                 | + 7.04  | 13 35<br>7 10 | 2 4<br>3 0       | 30 14<br>21 11              | 1 37<br>2 25<br>2 39<br>7 21     |
|                           |                        |                |           |                   |                  |                       |                                   |         | 21 5          | ...              | 52 9                        | 7 21                             |
| 10                        | Hilly Tract ...        |                | 11 12     | 1 11 0            | 18 15            | +                     | 4                                 | + 21.05 | 2 28          | 2 4              | 5 11                        | 1 1                              |
| 15                        | Berah ...              |                | 0 28      | 2 4 0             | 1 8              | ...                   | ...                               | ...     | 0 28          | 2 4              | 1 8                         | ...                              |
| 36                        | Patori ...             |                | *41 0     | 2 2 2             | 87 8             | -                     | 28                                | - 32.18 | ...           | ...              | ...                         | 37 11                            |
| 37                        | Mianji Kandi ...       |                | 7 1       | 1 10 0            | 11 8             | -                     | 3                                 | - 25.0  | ...           | ...              | ...                         | ...                              |
| 48                        | Pahor ...              |                | 197 9     | 1 10 0            | 319 11           | -                     | 74                                | - 23.12 | ...           | ...              | ...                         | ...                              |
| 49                        | Patoro ...             |                | 576 10    | 1 10 0            | 936 10           | -                     | 1                                 | - 0.11  | ...           | ...              | ...                         | ...                              |
| 52                        | Drigh Mathin Jagir ... |                | ...       | ...               | ...              | ...                   | ...                               | ...     | ...           | ...              | ...                         | ...                              |
| 54                        | Sakar Halejo ...       |                | ...       | ...               | ...              | ...                   | ...                               | ...     | ...           | ...              | ...                         | ...                              |
| 58                        | Kabo Kalandar ...      |                | 144 6     | 1 10 0            | 224 6            | -                     | 54                                | - 23.08 | ...           | ...              | ...                         | ...                              |
| 65                        | Pat Suleman ...        |                | 380 31    | 1 10 0            | 620 4            | -                     | 144                               | - 23.23 | ...           | ...              | ...                         | ...                              |
| 67                        | Shol Jagir ...         |                | ...       | ...               | ...              | ...                   | ...                               | ...     | ...           | ...              | ...                         | ...                              |
| 70                        | Shori Jagir ...        |                | ...       | ...               | ...              | ...                   | ...                               | ...     | ...           | ...              | ...                         | ...                              |
| 71                        | Wahi Pandhi ...        |                | 19 4      | 1 10 0            | 14 12            | -                     | 3                                 | - 20.0  | ...           | ...              | ...                         | ...                              |
| 72                        | Khuh Mano ...          |                | 240 5     | 1 10 0            | 389 7            | -                     | 89                                | - 22.88 | ...           | ...              | ...                         | ...                              |
| 76                        | Araro ...              |                | ...       | ...               | ...              | ...                   | ...                               | ...     | ...           | ...              | ...                         | ...                              |
| 77                        | Pat Kanhiri ...        | 39 16          | 2 2 0     | 83 11             | +                | 15                    | + 17.86                           | 16 20   | 2 4           | 36 15            | 22 36                       |                                  |
| 82                        | Khadani ...            | 43 12          | 1 4 0     | 53 1              | +                | 17                    | + 32.08                           | ...     | ...           | ...              | ...                         |                                  |
| Total Johi Dehs ...       |                        |                | § 1,730 2 | ...               | 2,865 13         | -                     | 348                               | - 12.18 | 42 2          | ...              | 99 9                        | 73 39                            |

## XVII.

average of four years from 1893-94 to 1896-97 with the present Assessment thereon.

| DETAILS OF COLUMNS 4 AND 6. |             |                       |        |             |          |           |             |                           |        |             |  |
|-----------------------------|-------------|-----------------------|--------|-------------|----------|-----------|-------------|---------------------------|--------|-------------|--|
| SAILAB.                     |             | SAILAB AIDED BY LIFT. |        |             | BARANI.  |           |             | DIFFERENCE OF ASSESSMENT. |        |             | REMARKS.   |
| Rate.                       | Assessment. | Area.                 | Rate.  | Assessment. | Area.    | Rate.     | Assessment. | Area.                     | Rate.  | Assessment. |  |
| 13                          | 14          | 15                    | 16     | 17          | 18       | 19        | 20          | 21                        | 22     | 23          | 24   |
| Rs. a.                      | Rs. a.      | A. g.                 | Rs. a. | Rs. a.      | A. g.    | Rs. a. p. | Rs. a.      | A. g.                     | Rs. a. | Rs. a.      |  |
| 2 12                        | 2 4         | ...                   | ...    | ...         | ...      | ...       | ...         | ...                       | ...    | ...         | This is a surveyed deh, but it contains cultivation in the bed of the Manchar lake, which is unsurveyed.                 |
| 2 0                         | 0 4         |                       |        |             |          |           |             |                           |        |             |  |
| 1 8                         | 2 12        |                       |        |             |          |           |             |                           |        |             |  |
| ...                         | 5 4         |                       |        |             |          |           |             |                           |        |             |  |
| 1 0                         | 1 2         | 0 11                  | 3 8    | 0 15        | 0 38     | 1 4 0     | 1 4         | ...                       | ...    | ...         | Do.  |
| 2 12                        | 0 5         |                       |        |             |          |           |             |                           |        |             |  |
| 2 10                        | 0 6         |                       |        |             |          |           |             |                           |        |             |  |
| 1 0                         | 0 15        |                       |        |             |          |           |             |                           |        |             |  |
| ...                         | 2 12        |                       |        |             |          |           |             |                           |        |             |  |
| 2 12                        | 5 2         | 0 33                  | 3 8    | 2 14        | 2 29     | 1 4 0     | 3 6         | ...                       | ...    | ...         | This is a surveyed deh, but it contains cultivation in the unsurveyed portions of hilly tracts outside the deh boundary. |
| 1 0                         | 2 13        |                       |        |             |          |           |             |                           |        |             |  |
| 8                           | 4 11        |                       |        |             |          |           |             |                           |        |             |  |
| ...                         | 12 10       |                       |        |             |          |           |             |                           |        |             |  |
| 1 0                         | 1 0         | ...                   | ...    | ...         | 7 23     | 1 10 0    | 12 4        | ...                       | ...    | ...         | This is a surveyed deh, but it contains cultivation in the unsurveyed portions of hilly tracts outside the deh boundary. |
| ...                         | ...         | ...                   | ...    | ...         | ...      | ...       | ...         | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | ...      | ...       | ...         | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | ...      | ...       | ...         | ...                       | ...    | ...         |  |
| 2 3                         | 81 8        | ...                   | ...    | ...         | 3 29     | 1 10 0    | 6 0         | ...                       | ...    | ...         | * Includes 15 acres 16 guntas of dubari cultivation.   |
| ...                         | ...         | ...                   | ...    | ...         | 7 1      | 1 10 0    | 11 8        | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | 196 5    | 1 10 0    | 318 11      | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | 1 4      | 1 0 0     | 1 0         | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | 197 9    | ...       | 319 11      | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | 576 10   | 1 10 0    | 936 10      | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | ...      | ...       | ...         | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | ...      | ...       | ...         | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | 144 6    | 1 10 0    | 234 6       | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | 380 31   | 1 10 0    | 620 4       | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | ...      | ...       | ...         | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | 9 4      | 1 10 0    | 14 12       | ...                       | ...    | ...         | This is a surveyed deh, but it contains cultivation in the unsurveyed portions of hilly tracts outside the deh boundary. |
| ...                         | ...         | ...                   | ...    | ...         | ...      | ...       | ...         | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | 240 5    | 1 10 0    | 389 7       | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | ...      | ...       | ...         | ...                       | ...    | ...         |  |
| 2 2                         | 46 12       | ...                   | ...    | ...         | ...      | ...       | ...         | ...                       | ...    | ...         | † Includes 1 acre 24 guntas of dubari cultivation.   |
| ...                         | ...         | ...                   | ...    | ...         | ...      | ...       | ...         | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | 15 19    | 1 10 0    | 19 2        | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | 26 22    | 1 4 0     | 33 5        | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | 1 11     | 0 8 0     | 0 10        | ...                       | ...    | ...         | This is a surveyed deh, but it contains cultivation in the unsurveyed portions of hilly tracts outside the deh boundary. |
| ...                         | ...         | ...                   | ...    | ...         | ...      | ...       | ...         | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | 43 12    | ...       | 53 1        | ...                       | ...    | ...         |  |
| ...                         | ...         | ...                   | ...    | ...         | ...      | ...       | ...         | ...                       | ...    | ...         |  |
| ...                         | 149 14      | 1 4                   | ...    | 3 13        | 1,612 37 | ...       | 2,602 9     | ...                       | ...    | ...         | § Includes 17 acres of dubari cultivation.   |



## APPENDIX

| No. on Appendix<br>III-A. | Name of Deh.                                 | Class of land. | Area.    | Rate<br>per acre. | Assess-<br>ment. | Increase or Decrease. | Increase or Decrease<br>per cent. | LIFT.               |        |                  |       |
|---------------------------|--|----------------|----------|-------------------|------------------|-----------------------|-----------------------------------|---------------------|--------|------------------|-------|
|                           |  |                |          |                   |                  |                       |                                   | Area.               | Rate.  | Assess-<br>ment. | Area. |
|                           |  |                |          |                   |                  |                       |                                   |                     |        |                  |       |
| 1                         | 2  | 3              | 4        | 5                 | 6                | 7                     | 8                                 | 9                   | 10     | 11               | 12    |
|                           |  |                | A. g.    | Rs. a. p.         | Rs. a.           | Rs.                   |                                   | A. g.               | Rs. a. | Rs. a.           | A. g. |
|                           |  |                |          |                   |                  |                       |                                   | Transferred Dehs of |        |                  |       |
| 90                        | Malko Jagir ...                              |                | ...      | ...               | ...              | ...                   | ...                               | ...                 | ...    | ...              | ...   |
| 91                        | Lalhar Barani ...                            |                | 1,469 16 | 1 7 0             | 2,153 8          | ...                   | ...                               | ...                 | ...    | ...              | ...   |
| 94                        | Kur Faujo Barani..                           |                | 356 6    | 0 8 0             | 543 2            | ...                   | ...                               | 2 17                | 2 6    | 5 8              | ...   |
| 95                        | Malar Barani ...                             |                | 713 10   | 1 9 0             | 1,111 7          | ...                   | ...                               | ...                 | ...    | ...              | ...   |
| 96                        | Kathia Barani ...                            |                | 1,112 27 | 1 9 0             | 1,733 12         | ...                   | ...                               | ...                 | ...    | ...              | ...   |
| 97                        | Tori Barani ...                              |                | 1,020 29 | 1 8 0             | 1,527 15         | ...                   | ...                               | ...                 | ...    | ...              | ...   |
| 98                        | Ber Bughio Barani..                          | Unsurveyed.    | 1,381 10 | 1 6 0             | 1,938 1          | ...                   | ...                               | ...                 | ...    | ...              | ...   |
| 99                        | Gul Muhamamad Barani,                        |                | 475 22   | 1 8 0             | 723 2            | ...                   | ...                               | ...                 | ...    | ...              | ...   |
| 100                       | Keti Navi ...                                |                | 224 17   | 1 5 0             | 295 12           | ...                   | ...                               | ...                 | ...    | ...              | ...   |
| 101                       | Din Panah ...                                |                | 89 10    | 1 15 0            | 169 11           | ...                   | ...                               | ...                 | ...    | ...              | ...   |
|                           | Total of Dehs transferred from Kakar Taluka. |                | 6,842 27 | ...               | 10,196 6         | ...                   | ...                               | 2 17                | ...    | 5 8              | ...   |
|                           | GRAND TOTAL ...                              |                | 8,572 29 | ...               | 13,052 3         | —348                  | — 2.67                            | 44 19               | ...    | 105 1            | 73 39 |

XVII—continued.

| DETAILS OF COLUMNS 4 AND 6. |             |                       |        |             |          |           |             |                           |        |             | REMARKS. |
|-----------------------------|-------------|-----------------------|--------|-------------|----------|-----------|-------------|---------------------------|--------|-------------|----------|
| SAILAB.                     |             | SAILAB AIDED BY LIFT. |        |             | BARANI.  |           |             | DIFFERENCE OF ASSESSMENT. |        |             |          |
| Rate.                       | Assessment. | Area.                 | Rate.  | Assessment. | Area.    | Rate.     | Assessment. | Area.                     | Rate.  | Assessment. |          |
| 13                          | 14          | 15                    | 16     | 17          | 18       | 19        | 20          | 21                        | 22     | 23          |          |
| Rs. a.                      | Rs. a.      | A. g.                 | Rs. a. | Rs. a.      | A. g.    | Rs. a. p. | Rs. a.      | A. g.                     | Rs. a. | Rs. a.      | 24       |
| the Kakar Taluka.           |             |                       |        |             |          |           |             |                           |        |             |          |
| ...                         | ...         | ...                   | ...    | ...         | 1,301 35 | 1 5 0     | 1,702 5     | ...                       | 1 0    | 29 14       |          |
| ...                         | ...         | ...                   | ...    | ...         | 96 13    | 2 5 0     | 222 8       | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 71 8     | 2 13 0    | 198 13      | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 1,469 16 | ...       | 2,123 10    | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 353 29   | 1 8 0     | 530 8       | ...                       | 1 0    | 7 2         |          |
| ...                         | ...         | ...                   | ...    | ...         | 712 24   | 1 8 0     | 1,068 13    | ...                       | 1 0    | 41 0        |          |
| ...                         | ...         | ...                   | ...    | ...         | 0 26     | 2 8 0     | 1 10        | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 713 10   | ...       | 1,070 7     | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 1,090 17 | 1 8 0     | 1,634 2     | ...                       | 1 0    | 44 1        |          |
| ...                         | ...         | ...                   | ...    | ...         | 22 10    | 2 8 0     | 55 9        | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 1,112 27 | ...       | 1,689 11    | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 487 29   | 1 8 0     | 746 9       | ...                       | 1 0    | 42 13       |          |
| ...                         | ...         | ...                   | ...    | ...         | 481 10   | 1 5 0     | 617 12      | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 0 10     | 2 8 0     | 0 10        | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 51 20    | 2 5 0     | 120 3       | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 1,020 29 | ...       | 1,485 2     | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 1,285 21 | 1 5 0     | 1,687 2     | ...                       | 1 0    | 28 11       |          |
| ...                         | ...         | ...                   | ...    | ...         | 1 19     | 2 13 0    | 4 4         | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 94 10    | 2 5 0     | 218 0       | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 1,381 10 | ...       | 1,909 6     | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 9 26     | 1 8 0     | 14 8        | ...                       | 1 0    | 30 1        |          |
| ...                         | ...         | ...                   | ...    | ...         | 413 28   | 1 5 0     | 543 12      | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 28 33    | 2 13 0    | 81 1        | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 23 15    | 2 5 0     | 53 12       | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 475 22   | ...       | 693 1       | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 222 15   | 1 5 0     | 290 11      | ...                       | 1 1    | 0 3         |          |
| ...                         | ...         | ...                   | ...    | ...         | 2 0      | 2 5 0     | 4 12        | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 0 2      | 2 13 0    | 0 2         | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 224 17   | ...       | 295 9       | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 12 2     | 1 8 0     | 17 12       | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 14 9     | 1 5 0     | 20 0        | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 18 17    | 2 1 8     | 38 4        | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 5 25     | 2 13 0    | 16 0        | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 38 37    | 2 0 0     | 77 11       | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 89 10    | ...       | 169 11      | ...                       | ...    | ...         |          |
| ...                         | ...         | ...                   | ...    | ...         | 6,840 10 | ...       | 9,967 1     | ...                       | ...    | 223 13      |          |
| ...                         | 149 14      | 1 4                   | ...    | 3 13        | 8,453 7  | ...       | 12,569 10   | ...                       | ...    | 223 13      |          |

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.

## APPENDIX XVIII.

*Statement showing the general Financial Results of the proposed Settlement of the Johi Taluka based on the average Cultivation of the past four years of the current Settlement.*

|                                       | Present<br>Settlement. | Proposed<br>Settlement. | In-<br>crease. | De-<br>crease. | In-<br>crease<br>per<br>cent. | De-<br>crease<br>per<br>cent. |
|---------------------------------------|------------------------|-------------------------|----------------|----------------|-------------------------------|-------------------------------|
| Surveyed land as per Appendix XVI...  | 1,20,409               | 1,28,977                | 8,568          | ..             | 7.12                          | ...                           |
| Unsurveyed land as per Appendix XVII  | 2,856                  | 2,504                   | ...            | 352            | ...                           | 12.32                         |
| Manchar land cultivated with Abur ... | 7,580                  | 7,580                   | ...            | ...            | ...                           | ...                           |
| Dubari ... ..                         | 26                     | 327                     | 301            | ...            | ...                           | ...                           |
| GRAND TOTAL ...                       | 1,30,871               | 1,39,388                | 8,517          | ...            | 6.5                           | ...                           |
| <i>Deduct—</i>                        |                        |                         |                |                |                               |                               |
| Canal Clearance Allowance ...         | ...                    | 2,000                   | ...            | ...            | ...                           | ...                           |
| Net Result ...                        | 1,30,871               | 1,37,388                | 6,517          | ...            | 4.98                          | ...                           |

L. W. SEYMOUR,

Superintendent,  
Land Records and Agriculture in Sind.

## APPENDIX XIX.

## Price List.

| Year.   |             |             | RICE IN HUSK. |             |             |             | COTTON.    |            | Tobacco. | CHANWAR.   |            |            |            |
|---------|-------------|-------------|---------------|-------------|-------------|-------------|------------|------------|----------|------------|------------|------------|------------|
|         | Juar.       | Bajri.      | Lari.         | Tor.        | Sathrin.    | Naudasi.    | Cleaned.   | Uncleaned. |          | Lari.      | Tor.       | Sathrin.   | Naudasi.   |
|         | Per Kharar. | Per Kharar. | Per Kharar.   | Per Kharar. | Per Kharar. | Per Kharar. | Per Maund. | Per Maund. |          | Per Maund. | Per Maund. | Per Maund. | Per Maund. |
|         | Rs. a.      | Rs. a.      | Rs. a.        | Rs. a.      | Rs. a.      | Rs. a.      | Rs. a.     | Rs. a.     | Rs. a.   | Rs. a.     | Rs. a.     | Rs. a.     | Rs. a.     |
| 1888... | 30 0        | 37 0        | 27 0          | 24 0        | 25 0        | 27 0        | 15 8       | 3 8        | 5 8      | 2 8        | 2 4        | 2 6        | 2 12       |
| 1889... | 42 0        | 48 0        | 31 0          | 29 0        | 30 0        | 33 0        | 14 4       | 3 4        | 6 0      | 3 0        | 2 12       | 2 14       | 3 2        |
| 1890... | 37 0        | 43 0        | 29 0          | 27 0        | 28 0        | 30 0        | 14 8       | 3 4        | 5 0      | 3 2        | 2 14       | 3 0        | 3 2        |
| 1891... | 30 0        | 35 0        | 23 0          | 20 0        | 21 0        | 23 0        | 14 12      | 3 8        | 4 0      | 2 8        | 2 4        | 2 5        | 2 10       |
| 1892... | 45 0        | 50 0        | 35 0          | 32 0        | 33 0        | 35 0        | 14 8       | 3 0        | 6 0      | 3 0        | 2 12       | 13         | 3 0        |
| 1893... | 48 0        | 53 0        | 34 0          | 31 0        | 32 0        | 35 0        | 15 0       | 3 8        | 7 0      | 3 8        | 3 4        | 3 5        | 3 10       |
| 1894... | 36 0        | 43 0        | 32 0          | 28 0        | 30 0        | 33 0        | 14 0       | 3 4        | 5 0      | 3 4        | 2 14       | 3 0        | 3 4        |
| 1895... | 40 0        | 44 0        | 30 0          | 26 0        | 28 0        | 30 0        | 16 0       | 3 8        | 4 0      | 2 8        | 2 4        | 2 5        | 2 8        |
| 1896... | 45 0        | 55 0        | 32 0          | 28 0        | 30 0        | 32 0        | 13 0       | 3 0        | 4 0      | 2 8        | 2 4        | 2 6        | 2 10       |
| 1897... | 68 0        | 80 0        | 42 0          | 40 0        | 42 0        | 48 0        | 16 0       | 3 8        | 5 0      | 2 12       | 3 4        | 3 8        | 4 0        |

| Year.   | Wheat.      | Chana.      | Matar.      | Jambho.     | Sariba.     | Barley.     | Tir.        | Ahur.       | Mung.      |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
|         | Per Kharar. | Per Kharar. | Per Kharar. | Per Kharar. | Per Kharar. | Per Kharar. | Per Kharar. | Per Kharar. | Per Maund. |
|         | Rs. a.      | Rs. a.      | Rs. a.      | Rs. a.      | Rs. a.      | Rs. a.      | Rs. a.      | Rs. a.      | Rs. a.     |
| 1888... | 53 0        | 54 0        | 44 0        | 50 0        | 64 0        | 33 0        | 80 0        | 70 0        | 2 8        |
| 1889... | 59 0        | 66 0        | 41 0        | 52 0        | 73 0        | 35 0        | 85 0        | 68 0        | 3 8        |
| 1890... | 58 0        | 70 0        | 41 0        | 48 0        | 70 0        | 32 0        | 90 0        | 68 0        | 3 6        |
| 1891... | 56 0        | 64 0        | 40 0        | 48 0        | 72 0        | 34 0        | 80 0        | 66 0        | 3 12       |
| 1892... | 70 0        | 64 0        | 32 0        | 68 0        | 76 0        | 40 0        | 84 0        | 72 0        | 3 0        |
| 1893... | 48 0        | 58 0        | 44 0        | 48 0        | 74 0        | 28 0        | 80 0        | 68 0        | 3 8        |
| 1894... | 47 0        | 68 0        | 40 0        | 48 0        | 70 0        | 26 0        | 92 0        | 60 0        | 2 12       |
| 1895... | 60 0        | 60 0        | 32 8        | 50 0        | 72 0        | 32 0        | 90 0        | 60 0        | 2 8        |
| 1896... | 70 0        | 50 0        | 42 0        | 64 0        | 72 0        | 48 0        | 90 0        | 66 0        | 2 8        |
| 1897... | 80 0        | 96 0        | 80 0        | 90 0        | 90 0        | 64 0        | 96 0        | 70 0        | 5 0        |

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.



## APPENDIX XX.

*Return of Births, Deaths and Vaccination in the Johi Taluka during the ten years 1887 to 1896.*

| Year.       | Births. | Deaths. | VACCINATION. |                 |
|-------------|---------|---------|--------------|-----------------|
|             |         |         | Primary.     | Re-vaccination. |
| 1887 ... .. | 976     | 548     | 136          | ...             |
| 1888 ... .. | 1,350   | 718     | 802          | 50              |
| 1889 ... .. | 938     | 1,304   | 830          | 125             |
| 1890 ... .. | 1,336   | 852     | 1,477        | 78              |
| 1891 ... .. | 1,529   | 923     | 1,392        | 440             |
| 1892 ... .. | 1,426   | 1,592   | 1,450        | 375             |
| 1893 ... .. | 1,293   | 864     | 836          | 116             |
| 1894 ... .. | 1,535   | 987     | 1,337        | 161             |
| 1895 ... .. | 1,134   | 817     | 1,683        | 233             |
| 1896 ... .. | 1,103   | 1,046   | 1,806        | 338             |

L. W. SEYMOUR,

Superintendent,  
Land Records and Agriculture in Sind.

## APPENDIX XXI.

*Large Land-owners in the Johi Taluka.*

| No. | Name of Land-owner.                           | Area held in the beginning of Settlement 1877-78, 1878-79 and 1893-94. |             | Area held in the last year of Settlement 1896-97. |             | Difference. |           | Remarks.  |
|-----|---|--|-------------|---|-------------|-------------|-----------|---|
|     |   | Area.  | Assessment. | Area.   | Assessment. | Increase.   | Decrease. |   |
|     |   | A. g.  | Rs. a.      | A. g.   | Rs. a.      | A. g.       | A. g.     | Causes of increase and decrease.  |
| 1   | Gaji Khan wd. Haji Khan, Laghari.             | 809 8  | 802 3       | 2,000 38  | 709 0       | 1,191 30    | ...       | Gaji Khan is dead and the land is now entered in the name of Alah Baksh Khan, his son. See general note No. 1 below.  |
| 2   | Umed Ali Khan wd. Haji Khan, Laghari.         | 603 36   | 744 15      | 1,267 32  | 730 14      | 683 36      | ...       | Umed Ali is dead, and the land is now entered in the name of his son Murad Ali Khan. See general note No. 1 below.  |
| 3   | Sardar Khan wd. Murid Khan, Rastamuni.        | 2,932 29   | 2,674 2     | 1,766 22  | 1,645 4     | ...         | 1,166 7   | Sardar Khan is dead, and the land is now entered in the name of his son Lashkar Khan. See general note No. 1 below.   |
| 4   | Ghulam Hyder wd. Kalandar Khan, Laghari.      | 799 16   | 675 6       | 1,213 39  | 519 4       | 424 23      | ...       | Ghulam Hyder is dead, and the land is now entered in the names of his son Imam Baksh Khan and his brother Haji Khan. See general note No. 1 below.                |
| 5   | Hyat Khan wd. Baksho Khan, Jamali.            | 1,448 13   | 1,936 10    | 631 31  | 591 1       | ...         | 816 22    | Has sold and relinquished land.   |
| 6   | Imam Baksh Khan wd. Bahawal Khan, Jamali.     | 1,876 33   | 2,507 13    | 1,423 32  | 581 14      | ...         | 451 1     | Imam Baksh Khan is dead, and the land is now entered in the name of his son Rasul Baksh. Decrease due to private sales and forfeiture of land under fallow rules. |
| 7   | Wadero Punhun wd. Sukhio Khan, Chano.         | 755 10   | 1,858 8     | 1,392 25  | 3,193 14    | 637 5       | ...       | The land is now entered in the name of Wadero Khuda Baksh son of Wadero Punhun, who is dead. Increase due to relinquished land having been taken up.              |
| 8   | Alah Nawazio wd. Rahmatullah, Sihro.          | 885 11   | 2,406 10    | ...   | ...         | ...         | 885 11    | See general note No. 2 below.   |
| 9   | Kadir Baksh wd. Alah Baksh, Laghari.          | 506 32   | 248 15      | ...   | ...         | ...         | 506 32    |   |
| 10  | Imam Baksh wd. Dato, Jatoti.                  | 641 0  | 329 0       | ...   | ...         | ...         | 641 0     |   |
| 11  | Sher Muhammad wd. Baksho Khan, Jamali.        | 1,215 39   | 2,160 15    | ...   | ...         | ...         | 1,215 39  | Decrease on account of private sales and forfeiture of land to Government under fallow rules.   |
| 12  | Ghazi Khan wd. Said Khan, Jamali.             | 593 1  | 1,110 9     | ...   | ...         | ...         | 593 1     | See general note No. 2 below.   |
| 13  | Bahadur wd. Dakhir, Jamali.                   | 155 10   | 194 8       | 640 39  | 515 14      | 486 29      | ...       | See general note No. 1 below.   |
| 14  | Sher Muhammad wd. Saundud, Laghari.           | 379 16   | 475 1       | 995 15  | 698 2       | 615 39      | ...       |   |
| 15  | Masn Khan wd. Hairo Khan, Laghari.            | 289 5  | 361 11      | 648 32  | 173 0       | 359 27      | ...       |   |
| 16  | Yusuf wd. Ramzan, Khaskhoti.                  | 157 8  | 196 11      | 549 30  | 293 0       | 392 22      | ...       | In the beginning of settlement, the land was entered in the name of Moti, the present Khatedar's grand father. See general note No. 1 below.                      |
| 17  | Shiwandas wd. Dewandas, Hindu.                | 87 39  | 116 8       | 586 12  | 426 8       | 448 13      | ...       |   |
| 18  | Khuda Baksh wd. Haji Khan, Laghari.           | 355 28   | 440 11      | 1,179 31  | 668 4       | 824 3       | ...       |   |
| 19  | Khan Muhammad wd. Mithal Khan, Laghari.       | 303 32   | 373 14      | 805 31  | 333 2       | 502 39      | ...       | See general note No. 1 below.   |
| 20  | Yaru Khan wd. Haji Khan, Laghari.             | 344 23   | 424 7       | 1,075 8   | 485 3       | 730 25      | ...       |   |
| 21  | Ismail Khan wd. Fateh Muhammad Khan, Laghari. | 71 26  | 79 13       | 518 25  | 811 4       | 446 39      | ...       |   |

## APPENDIX XXI—continued.

| No.                                      | Name of Land-owner.                             | Area held in the beginning of Settlement 1877-78, 1878-79 and 1893-94. |             | Area held in the last year of Settlement 1896-97. |             | Difference. |           | Remarks.  |
|--|---|--|-------------|---|-------------|-------------|-----------|---|
|  |   | Area.  | Assessment. | Area.   | Assessment. | Increase.   | Decrease. |   |
|  |   | A. g.  | Ra. a.      | A. g.   | Ra. a.      | A. g.       | A. g.     |   |
| 22                                       | Kod wd. Thanwar, Hindu.                         | 351 20   | 574 4       | 606 25  | 538 2       | 255 5       | ...       | Causes of increase and decrease—contd.<br>Has purchased land.   |
| 23                                       | Kadir Baksh wd. Muhammad Khan, Shahani.         | 317 11   | 741 13      | 715 17  | 1,186 1     | 398 6       | ...       | See general note No. 1 below.   |
| 24                                       | Din Muhammad Shah wd. Gul Muhammad Shah, Sayad. | 163 35   | 495 0       | 923 0   | 555 1       | 759 5       | ...       | Has taken up new land.  |
| 25                                       | Musamat Bachan daughter of Kadir Baksh, Jamali. | 106 1  | 182 11      | 1,656 10  | 2,297 6     | 1,550 9     | ...       | A large portion of this estate was Jagir at the beginning of settlement, which has since become rayati—hence increase.                                  |
| 26                                       | Habib Allah Shah wd. Ali Muhammad Shah, Sayad.  | 180 30   | 500 0       | 576 30  | 484 0       | 396 0       | ...       | Has purchased land.   |
| <i>Transferred Dehs of Kakor Taluka.</i> |   |  |             |   |             |             |           |   |
| 27                                       | Parial Khan wd. Gul Muhammad, Laghari.          | 632 4  | 590 1       | 963 0   | 1,102 6     | 330 36      | ...       | Increase due to the fact that the land being unsurveyed, the actual cultivated area in the estate is entered as the occupied land of the estate-holder. |
| 28                                       | Mondar Khan wd. Lal Baksh, Laghari.             | 590 23   | 799 0       | 627 8   | 867 4       | 96 25       | ...       |   |
| 29                                       | Jan Muhammad wd. Lal Baksh, Laghari.            | 709 26   | 823 5       | 741 32  | 958 0       | 32 6        | ...       |   |
| 30                                       | Lashkar Khan wd. Kamal Khan, Laghari.           | 697 22   | 740 0       | 758 6   | 757 1       | 60 24       | ...       |   |
| 31                                       | Alakh Dino wd. Khan Chand, Hindu.               | 1,776 0  | 1,341 12    | 1,916 2   | 1,337 0     | 140 2       | ...       |   |
| 32                                       | Khuda Baksh wd. Jam, Bok.                       | 480 3  | 525 4       | 520 24  | 525 1       | 40 21       | ...       |   |

1. The main cause of increase or decrease in the estates Nos. 1 to 4, 13 to 21 and 23 is due to the fact that, in the beginning of settlement, the land being unsurveyed, only the actual cultivated land of the owner is entered as his occupied land, while in the last year of settlement all the occupied area of the owner, whether cultivated or fallow, is entered.
2. The cause of increase or decrease in the estates Nos. 8, 9, 10 and 12 is due to the fact that, the land being unsurveyed, only the actual cultivated land of the owner is entered as his occupied land.

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.

Gul Hayat Institute

## APPENDIX XXII.

*Statement of Coercive Processes adopted for the recovery of revenue in the Johi Taluka of the Karachi Collectorate for the five years  
1892-93 to 1896-97.*

| NOTICES ISSUED UNDER S. 152<br>OF THE LAND REVENUE CODE. |                  |  |   | DISTRAINT AND SALE OF MOVABLE<br>PROPERTY UNDER S. 154 OF LAND<br>REVENUE CODE.                |                                |   |   | FORFEITURE AND SALE OF OCCUPANCIES UNDER S. 153, LAND REVENUE CODE. |  |                 |   |                 |  |                 |     |     |     |     |
|--|------------------|--|---|--|--------------------------------|---|---|---|--|-----------------|---|-----------------|--|-----------------|-----|-----|-----|-----|
| Year.  | No. of<br>Cases. | Amount of<br>Arrears for the<br>recovery of<br>which Notices<br>were issued. | Amount of<br>Notice Fees<br>recovered. Cases. | Amount of<br>Arrears for<br>which Dis-<br>traint of<br>movable<br>property was<br>resorted to. | Amount<br>realised by<br>Sale. | No. of<br>Cases,<br>with Forfeiture<br>resorted to. | OCCUPANCY OF<br>LAND DECLARED<br>FORFEITED. |   | OCCUPANCY OF LAND SOLD<br>TO THE PUBLIC. |                 | FORFEITED LAND<br>RETURNED TO<br>DEBTORS. |                 | OCCUPANCY OF LAND<br>REMAINING WITH<br>GOVERNMENT. |                 |     |     |     |     |
|  |                  |  |   |  |                                |   | Area.                                       | Asses-<br>ment.   | Area.                                    | Asses-<br>ment. | Area.                                     | Asses-<br>ment. | Area.  | Asses-<br>ment. |     |     |     |     |
| 1  | 2                | 3  | 4   | 5  | 6                              | 7   | 8   | 9   | 10                                       | 11              | 12  | 13              | 14   | 15              | 16  | 17  | 18  | 19  |
| 1892-93  | 1,551            | 27,951 7 0   | 641 4 3                                       | 387 15 0   | ...                            | ...   | ...   | 38  | 751 11 0                                 | 429 9           | 758 11                                    | ...             | ...  | ...             | ... | ... | ... | ... |
| 1893-94  | 1,453            | 26,746 15 2  | 535 8 1                                       | 43 12 0  | ...                            | ...   | ...   | 16  | 522 0 0                                  | 197 5           | 332 0                                     | ...             | ...  | ...             | ... | ... | ... | ... |
| 1894-95  | 1,760            | 38,302 13 4  | 739 4 18                                      | 606 8 0  | 107 0 0                        | 107 0 0   | 15 12 0                                     | 48  | 3,095 0 0                                | 433 4           | 1,177 8                                   | ...             | ...  | ...             | ... | ... | ... | ... |
| 1895-96  | 1,678            | 27,088 11 0  | 635 12 1                                      | 122 9 0  | 122 9 0                        | 122 9 0   | 256 9 0                                     | 19  | 508 0 0                                  | 415 38          | 515 0                                     | ...             | ...  | ...             | ... | ... | ... | ... |
| 1896-97  | 2,076            | 15,335 15 0  | 845 4 2                                       | 271 7 0  | 4 11 0                         | 4 11 0  | 6 8 0                                       | 17  | 409 13 2                                 | 145 5           | 315 13                                    | ...             | ...  | ...             | ... | ... | ... | ... |
| Total  | 8,518            | 1,35,458 13 6  | 3,407 0 25                                    | 1,432 3 0  | 234 4 0                        | 234 4 0   | 278 13 0                                    | 139   | 5,118 8 2                                | 1,920 21        | 3,179 0                                   | ...             | ...  | ...             | ... | ... | ... | ... |
| Average  | 1,704            | 27,091 12 4  | 699 6 5                                       | 286 7 0  | 46 13 7                        | 46 13 7   | 55 12 2                                     | 28  | 1,023 11 3                               | 398 4           | 635 13                                    | ...             | ...  | ...             | ... | ... | ... | ... |

\* Besides the area and assessment shown in columns 16 and 17 returned to the defaulters in 1892-93 out of the land forfeited (columns 11 and 12), an area 83 a. 32 g., bearing an assessment of Rs. 198, was also returned to the defaulters in the year 1893-94 on the recovery of the arrears due.

L. W. SEYMOUR,

Superintendent,

Land Records and Agriculture in Sind.



## APPENDIX XXIII.

*Statement showing Extensions and Improvements in Canals affecting the Johi Taluka.*

| Name of Canal.   | Length. | Expenditure.   | Purpose.  | Remarks.  |
|------------------|---------|----------------|---|---|
|                  | Mile—   | Rs.            |   |   |
| Pritchard Canal. | 23 2    | 3,48,649       | For the better irrigation of Dadu, Johi and Sehwan Talukas. |   |
| Lohri Wah ...    | 6 0     | 9,088          | Irrigation of Kakar and Johi.                               |   |
| Sakro Wah ...    | 3 2     | Estimate 4,293 | Irrigation of Johi Taluka.                                  | Actual expenditure not given by the Executive Engineer, Karachi Canals. |

## APPENDIX XXIV.

*Statement showing Length of Canals and Expenditure on account of Canal Clearance in the Johi Taluka for the last seven years from 1889-90 to 1895-96.*

|                                   | Length of Canal in miles. | EXPENDITURE ON CLEARANCE PER SEASON. |         |         |         |         |         |         |          |
|-----------------------------------|---------------------------|--------------------------------------|---------|---------|---------|---------|---------|---------|----------|
|                                   |                           | 1889-90                              | 1890-91 | 1891-92 | 1892-93 | 1893-94 | 1894-95 | 1895-96 | Average. |
|                                   |                           | Rs.                                  | Rs.     | Rs.     | Rs.     | Rs.     | Rs.     | Rs.     | Rs.      |
| Nara Canal, Karachi Collectorate. | 56 4                      | 18,626                               | 2,666   | 7,810   | 7,024   | 7,354   | 12,597  | 15,135  | 10,173   |
| Sakro Wah ...                     | 3 2                       | ...                                  | ...     | 363     | 604     | 778     | 518     | 629     | 482      |
| Dingri Wah ...                    | 8 0                       | ...                                  | ...     | 287     | 266     | ...     | 272     | 711     | 384      |
| Lohri ...                         | 6 0                       | ...                                  | ...     | ...     | 1,504   | 888     | 1,429   | 1,102   | 1,231    |
| Manchar ...                       | ...                       | ...                                  | ...     | ...     | ...     | ...     | ...     | 410     | 410      |

(Signed) R. MENNEER, C.E.,

Executive Engineer,  
Western Nara.

True copy,

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.

## APPENDIX XXV.

## Statement showing Cultivation of Johi Taluka from year 1884-85 to 1895-96.

| CULTIVATION.                                       |                  |            |                  |            |                  |          |                  |          |                  |          |                  |          |                  |          |                  |          |                  |          |                  |          |                  |          |                  |
|--|------------------|------------|------------------|------------|------------------|----------|------------------|----------|------------------|----------|------------------|----------|------------------|----------|------------------|----------|------------------|----------|------------------|----------|------------------|----------|------------------|
| * 1884-85.   |                  | * 1885-86. |                  | * 1886-87. |                  | 1887-88. |                  | 1888-89. |                  | 1889-90. |                  | 1890-91. |                  | 1891-92. |                  | 1892-93. |                  | 1893-94. |                  | 1894-95. |                  | 1895-96. |                  |
| Area.  | Assess-<br>ment. | Area.      | Assess-<br>ment. | Area.      | Assess-<br>ment. | Area.    | Assess-<br>ment. | Area.    | Assess-<br>ment. | Area.    | Assess-<br>ment. | Area.    | Assess-<br>ment. | Area.    | Assess-<br>ment. | Area.    | Assess-<br>ment. | Area.    | Assess-<br>ment. | Area.    | Assess-<br>ment. | Area.    | Assess-<br>ment. |
| 40,426   | 80,505           | 33,426     | 78,638           | 32,968     | 85,876           | 24,924   | 76,789           | 27,563   | 77,131           | 37,354   | 81,619           | 28,582   | 72,477           | 31,179   | 80,493           | 37,779   | 80,616           | 35,547   | 93,572           | 46,398   | 1,18,286         | 27,852   | 87,931           |
| 1  | 1 15 11          | 1          | 2 5 7            | 1          | 2 10 2           | 1        | 3 1 4            | 1        | 2 12 10          | 1        | 2 2 11           | 1        | 2 8 7            | 1        | 2 5 8            | 1        | 2 2 2            | 1        | 2 10 1           | 1        | 2 8 10           | 1        | 3 2 5            |
| Nara Canal and branches.<br>Average rate per acre. |                  |            |                  |            |                  |          |                  |          |                  |          |                  |          |                  |          |                  |          |                  |          |                  |          |                  |          |                  |



---

Gul Hayat Institute

## APPENDIX XXVII.

*List of Land-owners under the protection of the Manager, Incumbered Estates in Sind.*

| No.   | Name of Land-owner.  | Names of Dehs in which land is situated.  | Area.            | REMARKS.  |
|-------|--|---|------------------|---|
|       |  |   | A. g.            |   |
| 1     | Umed Ali wd. Bahadur Khan, Jahan Khan wd. Umed Ali and Bakhar Khan wd. Mardan Khan, Jamali.                                      | Haleja, Jalab and Shol Jagir  | 619 13<br>75 0   | Jagir.  |
| 2     | Muhammad Yusif wd. Ahmed, Mirbahr.   | Gahi Charo and Shadman  | 238 28           |   |
| 3     | Lahro wd. Manthar, Dadu wd. Dham Ali and Manthar wd. Dadu, Mirbahr.  | Sakhro and Gahi Charo   | 156 15           |   |
| 4     | Karni Ali Khan, Ghulam Ali Khan, and Murad Ali Khan wd. Umed Ali Khan, Laghari.  | Haji Khan and Butthi  | 1,592 25         |   |
| 5     | Musamat Hava wife of Shahdad Khan, Laghari.  | Tori Barani   | 60 0             |   |
| 6     | Shahdad Khan wd. Parial Khan wd. Gul Muhammad Khan, Laghari.   | (Ber Bughio Barani, Lalhar Barani, Hashani, Patoro, Potho, Pat Gul Muhammad and Chakar Kot.             | 2,220 6<br>20 15 | Jagir.  |
| 7     | Wali Muhammad wd. Bakhsan Khan and Musamat Siani wife of Baloch Khan, Laghari.   | Tori, Rajo Dero and Lalhar Barani.  | 410 15           |   |
| 8     | Gul Muhammad Khan wd. Parial Khan, Laghari.  | Pat Gul Muhammad and Lalhar Barani.   | 85 0<br>65 0     | Jagir.  |
| 9     | Ahmrakhio wd. Ali, Chano   | Chama, Gaba, Per Dhuari, Nali and Abad.   | 122 7½           |   |
| 10    | Bahadin wd. Baksho, Chano  | Abad, Gaba, Chama, Per Dhuari and Pat Suleman.  | 270 5            |   |
| 11    | Bhai Khan and Khuda Baksh Khan wd. Jafar Khan, Jamali.   | Sakhro, Gahi Charo, Khan Wah and Tori.  | 144 0            |   |
| 12    | Imam Baksh, Lashkar Khan and Ghulam Shah wd. Hyder Khan, Laghari.  | Haji Khan, Kaho Kalandar, Gaji Khan and Butthi.   | 892 5            |   |
| 13    | Laung Khan wd. Haji Khan, Laghari.   | Masu Dero, Murid Dero, Hero Khan and Patoro.  | 472 30½          |   |
| 14    | Punhu Khan wd. Tangu Khan, Lund.   | Nai Taki, Naushahro and Jampur Lundki.  | 173 33           |   |
| 15    | Ismail Khan, Shah Muhammad and Taj Muhammad Khan wd. Fateh Muhammad Khan, Laghari.   | Pheru Dero, Nai Taki, Naushahro, Butthi and Suranjri Jagir.   | 621 11           |   |
| 16    | Suleman Khan wd. Haji Baksh Ali Khan, Rind.  | Johi, Nannari, Jampur Lundki and Bakhr Shahid   | 229 38           |   |
| 17    | Chutal Khan wd. Lutfi Ali Khan, Buzdar.  | Angai, Khadani, Kur Kalan, Chhini, Pat Kanhiri, Machhko, Sawira and Basham Fakir.                       | 745 27           |   |
| 18    | Imam Baksh Khan, Ahmed Khan, Darya Khan and Khuda Baksh Khan wd. Jafar Khan and Baloch Khan and Haidar Khan wd. Imam Baksh Khan. | Vageji  | 337 14           | Jagir.  |
| 19    | Arz Muhammad wd. Hyat Khan, Laghari.   | Alahyar Dero, Nai Taki and Suranjri.  | 281 31           |   |
| 20    | Din Muhammad wd. Sher Muhammad, Jamali.  | Tori, Johi, Nannari and Jampur Lundki.  | 291 7½           |   |
| 21    | Rasul Baksh Khan and Parial Khan wd. Imam Baksh, Jamali.   | Khat, Suk Nai, Masu Dero, Mianj Kandi, Murid Dero, Patoro, Tori and Dhaunk.                             | 2,601 0          |   |
| 22    | Hot Khan wd. Sadik Khan, Laghari.  | Lalhar Barani and Kasbo   | 390 10           |   |
| 23    | Muhammad Ali wd. Khair Muhammad, Mulukhani.  | Angai, Khadani, Kur Kalan, Pat and Basham Fakir.  | 927 25           |   |
| 24    | Jam Muhammad and Muhammad Khan wd. Lal Baksh, Laghari.   | Tori, Rajo Dero and Lalhar Barani   | 709 15           |   |
| 25    | Baksh Ali wd. Turk Ali, Jamali   | Nali  | 138 20½          |   |
| 26    | Khuda Baksh wd. Mondar Khan, Laghari.  | Lalhar Barani, Pat Gul Muhammad, Ber Bughio Barani, Tori Barani, Mirwah, Hashani, Chakar Kot and Potho. | 445 0            | This man has applied for protection under the Incumbered Estates Act, and inquiry is still pending. |
| Total |  |   | 15,336 37½       |   |

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.





---

Gul Hayat Institute

## APPENDIX XXIX.

*Rules for the administration of the Irrigational Settlement in the Johi Taluka.*

The irrigational settlement will remain in force till such time as Government may direct that a regular settlement shall come into operation.

2. Under the irrigational settlement, assessment will be levied on cultivated Numbers only. When young fruit trees, such as mango, date, orange, &c., are planted in a Number and no other cultivation of any sort is carried on in it, the Number may be considered as uncultivated for the purposes of this rule, until the trees begin to bear fruit, from which time the Number shall be considered as cultivated and subject to the assessment fixed upon it, provided that in no case shall exemption be claimable for a longer period than ten years.

3. The rate to be levied in each case will be determined by the actual circumstances of the season. When rice is grown, the rate for rice land is to be levied; when juari, bajri, &c., are grown under flow irrigation, the rate fixed for that irrigation will be levied, though in previous years rice may have been grown in the Number.

4. Except in gardens, if a Number which has been cultivated in the kharif season is again cropped in the succeeding rabi, 4 annas per acre will be added to the kharif rate to be levied.

5. The following deductions from the sanctioned rates will be made in the case of lands watered from private canals :—

Flow irrigation, 3 annas per acre.

Lift        „        4        „

6. Lands watered by wells pay the rates assigned to the description of canal irrigation available for them, and are not liable to any extra assessment on account of cultivation from water drawn from wells, or on account of irrigation from canals or other sources being supplemented by watering from wells. Rule 4 does not apply when the rabi crop is due to well irrigation only. Where no description of canal irrigation is available, such land will pay the rate fixed for rabi lift.

7. When land is required for cultivation in villages or portions of villages which have not come under measurement, under the sanction of the Collector, land not exceeding 8 acres in one block will be measured off and demarcated with a small earthen ridge and occupation granted to the applicant. A fee of  $1\frac{1}{2}$  annas per acre will be levied to cover the cost of measurement, *vide* Government Resolution No. 7732 of 17th September 1894, Revenue Department. “Barani” and “Kacha” lands will be measured annually in accordance with actual cultivation for which permission to cultivate has been granted beforehand by the Collector. No fee will be levied for the measurement of these lands.

No unassessed land shall, without the sanction of the Commissioner in Sind, be given out to any occupant who has not during the preceding two years cultivated and paid assessment on a total area equal to one-half of the entire area constituting his assessed holding in the village.

*N. B.*—By assessed holding is meant entire holding liable to assessment when cultivated, *i. e.*, excluding land held rent-free under grant.

L. W. SEYMOUR,  
Superintendent,  
Land Records and Agriculture in Sind.

*Revenue Survey and Assessment.*

Introduction of an Irrigational Settlement  
into the Johi Táluka of the Karáchi  
District.

No. 4709.

REVENUE DEPARTMENT.

Bombay Castle, 20th July 1898.

Memorandum from the Commissioner in Sind, No. 2333, dated 21st June 1898—Submitting with its accompaniments a letter No. 271, dated 31st March 1898, from the Superintendent, Land Records and Agriculture in Sind, containing proposals for the irrigational settlement of the Johi Táluka of the Karáchi District.

Telegram to the Commissioner in Sind, dated 8th July 1898—Approving his proposals and asking him to introduce the rates immediately.

RESOLUTION.—These papers contain proposals for the introduction of an irrigational settlement into the Johi Táluka of the Karáchi District. The distinctive features of the táluka derived from its position at the foot of the Beluchistan hills have been fully described by the Superintendent, Land Records and Agriculture, and the Commissioner in Sind, and have received appropriate consideration in the preparation of the present proposals.

2. Sufficient cause has been shown in the peculiar misfortunes of flood and uncertainties of inundation, to which this tract is liable, to justify the low assessment recommended in comparison with the rates in force in the neighbouring tálukás. Another reason for strict moderation in the assessment is the considerable amount of indebtedness which is shown to prevail in this táluka and is undoubtedly attributable in large degree to the precarious nature of the cultivation. At the same time it is clear that the cultivating classes have been treated with judicious leniency, both by the imposition up to the present of an exceedingly easy assessment and by the liberal grant of remissions. Indeed the facts serve to prove the familiar proposition that an improvident population pursuing the cultivation of a tract precarious in its agricultural conditions cannot be saved from indebtedness by mere leniency in the assessment. The Governor in Council is fully satisfied that the assessments now proposed are sufficiently moderate to protect any land-owner who will practise even elementary thrift and forethought from the necessity of borrowing to pay the Government demand. The rates of assessment are raised only in the area irrigated by canals and the Manchar Lake, and the increase amounts to Rs. 6,517 or 4.98 per cent. on the total revenue of the táluka. In 1892 however by an enhancement of the assessment on lands dependent on rainfall and hill-floods it was proposed to increase the táluka revenue, then estimated at Rs. 89,000, by 4.62 per cent. The rates then proposed by Mr. Disney were not accepted in full, and it is not clear whether the enhancement realised by the rates which were accepted reached the percentage indicated. It is however certain that with the increase now sanctioned the total enhancement upon the revenue that would have been derived from the rates in force in 1891 would be not less than between 8 and 9 per cent.

3. These proposals as regards both groups and rates are identical with those submitted in 1891, sanction to which in the case of the canal and lake irrigated areas was only postponed in consequence of a temporary derangement of the Western Nára water-supply. The supply has since been restored by the construction of the Pritchard Wah, and there no longer exist any reasons for delay in the complete introduction of a settlement in regard to the moderate and judicious character of which the opinion of all local officers is unanimous.

4. His Excellency the Governor in Council is therefore pleased to accord sanction to the rates and grouping recommended by the Commissioner in Sind, to direct the introduction of the settlement from the 1st August 1898, and to guarantee its continuance for the term of ten years.

5. Sanction has already been communicated by telegram.

H. S. LAWRENCE,  
Acting Secretary to Government.

To

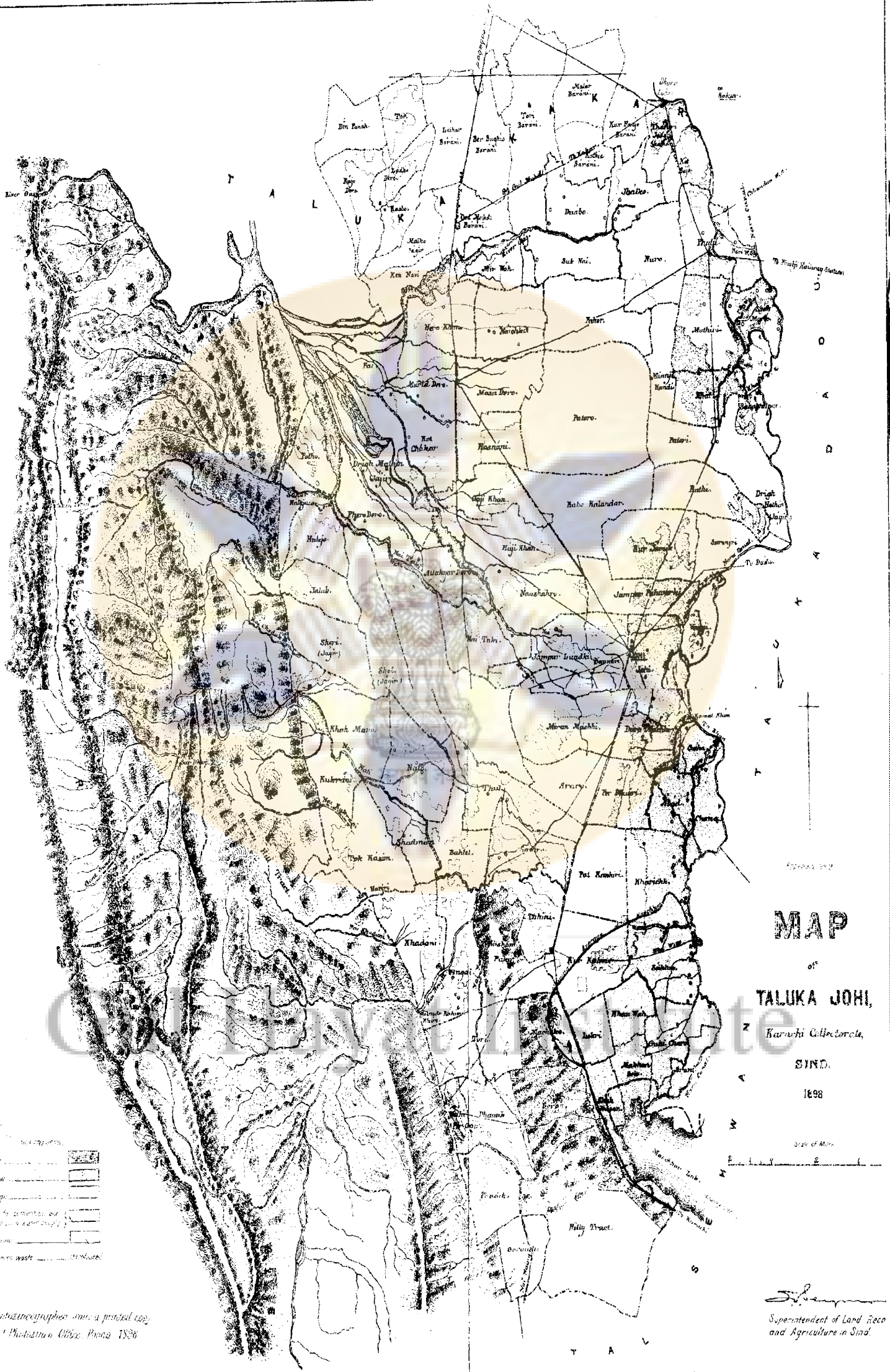
The Commissioner in Sind,  
The Collector of Karáchi,  
The Accountant General, } With copies of the  
The Public Works Department of the Secretariat. } report.  
The Secretary of State for India (by letter).

No. \_\_\_\_\_ of 1898.

Copy forwarded for information and guidance to

Gul Hayat Institute





Photostereograph from a printed copy.  
Govt. Photoduplication Office, P.O. Box 1328

S. J. Sindh  
Superintendent of Land Revenue  
and Agriculture in Sindh.