



The Annual Progress Report of the Sind Revenue Survey and Settlement Department for 1881-82.

No. 25

REVENUE DEPARTMENT.

Bombay Castle, 30th March 1883.

Letter from the Commissioner in Sind, No. 226, dated 16th January 1883—Submitting with his remarks the Annual Progress Report (No. 1134 of 1882) of the Superintendent, Sind Revenue Survey, for the year 1881-82.

RESOLUTION.—During the year under review there were ten establishments at work, while in the previous year the number was only nine. There was an increase of twenty-seven in the average number of measurers, and an increase of four in the average number of classers employed. Measurements were carried on in seven talukas with a view to original settlement and in four with a view to revision settlement, the measurement of six talukas being completed in the course of the year. Measurers attached to the classing establishments were engaged in subdividing survey numbers which are too large for the present system. Classification was carried on in four talukas. Although the field season was shorter than the previous one, the average number of days spent in the field by both measuring and classing establishments was greater.

- 2. There was an increase of no less than 4,72,226 acres in the area measured in the year under review as compared with that measured in the previous year. The arable land measured rose from 3,37,931 acres in 1880-81 to 4,04,336 acres in 1881-82, and the undivided land from 3,61,654 to 7,67,475 acres. As many of the new measurers however are young, there was a slight decrease in the average area measured per man. The tests of measurement taken by the Assistants were sufficient, and the highest average error discovered was 24 gunthas. The Governor in Council concurs with Lieutenant-Colonel Anterson in considering the average size of the fields (6 acres) too large.
- 3. The area of arable land classed rose from 69,291 acres in 1880-81 to 3,06,006 acres in 1881-82, and the area of undivided land from 1,15,375 to 3,42,685 acres. But Lieutenant-Colonel Anderson admits that the comparison is not a fair one, because there is a great difference between the classification for temporary and that for revision settlements, and only a small proportion of the classification done in the year under review was for the purpose of regular settlements. The test taken of the classification was also large, and the average error discovered was only 0.38 pie in soil and 1.37 pie in water.
- 4. The average cost of measurement per acre fell from Re. 0-3-9 in 1880-81 to Re. 0-2-7 in 1881-82, and the average cost of classification from Re. 0-2-1 to Re. 0-0-11. But for the reason above stated the latter comparison is without explanation misleading.
- 5. Revised settlements were introduced into two talukas in the year under review, the provisional settlement of two talukas was confirmed, and temporary settlements for four talukas were sanctioned. In the thirty talukas which have been settled the revenue of the year under review exceeds the collections prior to the settlement by Rs. 9,90,478 and the revision settlement of those which are under original settlements will result in a further increase of revenue. There appears to be a slight inconsistency in the statements of the Commissioner in Sind regarding the probable results of revision and of temporary settlements, but the concurrence of Government in the view that temporary settlements are better adapted than regular settlements to existing circumstances in many parts of the province of Sind has been on several occasions expressed.

- 6. The expenditure of the year under review (Rs. 2,24,147) exceeded that of the previous year by Rs. 34,405. The causes of the increase are not stated, but the principal reason was no doubt the increase of establishment. There appears however to have been an increase under all heads, but the fixed charges were less by Rs. 7,088 than the sanctioned grant. It is to be regretted that the unadjusted balance (Rs. 3,25,104) which appears to be on account of boundary marks, was not materially less than that at the close of the preceding year, but the Superintendent is doing all in his power to reduce it.
- 7. His Excellency in Council concurs with the Commissioner in Sind in considering that the results of the working of the Department during the year under review are satisfactory and indicate the efficiency of Lieutenant-Colonel Anderson's supervision.

J. MONTEATH, Acting Under Secretary to Government.

To

The Commissioner in Sind,

The Superintendent, Sind Revenue Survey,

The Survey and Settlement Commissioner,

The Accountant General,

The Public Works Department of the Secretariat, Irrigation.

The Government of India,
The Secretary of State for India. By letter.

With copies of the papers.

REVENUE DEPARTMENT.

FROM

H. N. B. ERSKINE, ESQUIRE,

COMMISSIONER IN SIND;

To

HIS EXCELLENCY THE RIGHT HONOURABLE SIR JAMES FERGUSSON, BART., K.C.M.G. AND C.I.E.,

GOVERNOR AND PRESIDENT IN COUNCIL, BOMBAY.

Commissioner's Office, Camp Karampur, 16th January 1883.

RIGHT HONOURABLE SIR,

I have the honour to submit the Annual Progress Report of the Superintendent, Sind Revenue Survey, for the year 1881-82.

- 2. The department during the year has been under Lieutenant-Colonel J. W. M. Anderson, and the results reported are, I am glad to state, satisfactory.
- 3. During the season ten establishments were in the field against nine in the previous year, and measurements were carried on in eleven tálukás, the measurements in six tálukás being completed during the year. These measurements were with a view to original settlement in seven tálukás, and with a view to revision settlement in four.
- 4. The Superintendent in his 6th paragraph has shown details of the work done by each of the establishments during the year. From this it appears that 1,171,811 acres were measured during the year as compared with 699,585 in the previous year; and though, owing to the large number of young measurers, there is a small decrease as compared with the previous year in the average rate of measurement, I agree with Lieutenant-Colonel Anderson in considering that the amount of work got through is highly creditable.
- 5. In his 8th paragraph Lieutenant-Colonel Anderson has shown the test taken by each Assistant of the measurements, and also the number of fields tested by native testers, and the results recorded are satisfactory "both as regards the amount of test taken and in the result."
- 6. The working season in the field was somewhat shorter than in the previous year, the different establishments having gone into camp on the 1st November and closed work as a rule on the 15th May. Experience has shown, as I explained in my last year's report, that this is late enough to keep out establishments in Sind. The health of both officers and men during the year was, it is satisfactory to note, good.
- 7. There were two establishments employed in classing lands during the year, and the amount of work performed by them was satisfactory; but for the reason given by the Superintendent in his 18th paragraph it is hardly possible to compare the outturn of work with that of the previous year. Full details regarding the work done are given in paragraphs 19 to 21.
 - 8. During the recess all recess work was completed.
- 9. The amount of settlement work completed during the year is given in detail in paragraphs 25, 26 and 27, and it seems needless to repeat those details; but the progress made has been good, and the more I see of the working of the settlement, the more satisfied I become of the wisdom of the course now being followed of introducing temporary settlements for a few years before any attempt is made to introduce a regular settlement with its less elastic system.

10. The cost per acre of survey operations for the year has been very low,—only 3 annas 6 pies,—as compared with 5 annas 10 pies in the previous year.

11. The general results of the year's operations as compared with those of the previous year are as follows:—

Year.	G	ENERAL AREA,	RETURN OF.	Expenditure.	Combined Cost per				
rear.	Measurement.	Classification.	Settlement Acres.	Expenditure.	Acre.				
1881-82	1,171,811	648,691	105,832	Rs. 2,24,147	A. p. 3 6 Without settlement.				
1880-81	699,585	214,666	N.B.—Temporary settlement rates not included.		1 10 With settlement. 5 10				

12. The following statement shows the result of the work of the year in Sind:—

	Táluka.	Amount of Settle- ment Jama fixed	Average of past	Incre	ASE.
	Taloka.	on Cultivated Lands.	Collections.	Rs.	Percentage.
Total Section 1		Rs.	Rs.		
Kambar Rato-dero Tatta		1,01,499	1,83,618 73,752 40,482	89,394 27,747 9,518	48.6 37.6.2 23.5
11 (17) 11 (17) 11 (17)	Total	4,24,511	2,97,852	1,26,659	42.5

13. The above shows an increase of assessment of Rs. 1,26,659, or 42.5 per cent. on past collections, a large increase due to improvement in canals and protective embankments, and to improved communications, especially the Indus Valley State Railway.

14. From Statement No. 14, appended to the Superintendent's report, it appears that the revenue collections in the thirty talukas in which settlement operations have been carried on prior to settlement were Rs. 24,36,051, while the revenue realizations under the settlement in the past year were Rs. 34,26,529, showing an increase in revenue amounting to Rs. 9,90,478. As the revised settlement, which gives the best results, has not yet been introduced into eighteen of the tálukás, it is evident that as the settlement progresses a very large increase in revenue may be looked for, provided, that is, the canal and protective embankments are kept in good order. The so-called temporary settlements are likely in my opinion to give equally good results with the revised settlements, and these settlements should be continued in several parts of Sind for a good many years to come as better suited to the circumstances of the tálukás and as less likely to press hardly on the old lease-holders than the revised settlement system might, if at once introduced. Under the temporary settlement system only actual cultivation is considered when assessing lands-a system under certain restrictions better suited to the tastes and habits of the people of Sind than the more elaborate system of fallows in force where the revised settlement system has been introduced.

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

> > H. N. B. ERSKINE, Commissioner in Sind.

No. 1134 of 1882.

REVENUE DEPARTMENT.

FROM

LIEUTENANT-COLONEL J. W. M. ANDERSON, SUPERINTENDENT, SIND REVENUE SURVEY:

To

H. N. B. ERSKINE, ESQUIRE,

COMMISSIONER IN SIND.

Superintendent's Office, Camp Jacobabad, 28th December 1882.

SIR,

I have the honour to submit the Annual Progress Report of the Sind Revenue Survey and Settlement Department for the year 1881-82.

- 2. The following are the changes that have occurred amongst the officers during the year:—
 - Mr. L. W. Seymour was appointed to settle camel claims and was absent on this special duty from the 2nd November 1881 to the 14th May 1882.
 - Mr. C. F. Erskine was promoted to Assistant Superintendent on the 27th December 1881.
- Mr. C. E. Biddulph rejoined from three months' Afghan leave on the 28th November 1881.
 - Mr. C. E. Biddulph was absent on leave without pay from the 30th May to the 17th July 1882.
 - Mr. C. E. Biddulph was absent on examination leave to the Presidency from the 27th September to the 6th October 1882.
 - Mr. L. W. Seymour was absent on privilege leave from the 16th September to the 25th October 1882.
 - 3. At the close of the year the state of the department as regards officers was as follows:—

Grade.		100	Present for duty.	On leave.	Total
Superintendent Assistant Settlement Officer Assistant Superintendents Acting Assistant Superintendent			1 · · · · · · · · · · · · · · · · · · ·	::	1 1 11 11
	T	otal	14	. W	14

Measurement.

4. Measurements, with a view to original settlement, were carried on in the following talukas:—

Mirpur Bator	0*			
Sijáwal*				
Tatta*				Karáchi Collectorate.
Jati				
Sehwan			***	
Guni .	***			Hyderabad Collectorate.
Jacobabad		Service of		Upper Sind Frontier District.

5. Measurements, with a view to revision settlement, were carried on in talukas as follows:—

 Hála
 ...
 ...
 Hyderabad Collectorate.

 Kambar*...
 ...
 ...
 ...

 Rato-dero*
 ...
 ...
 ...
 Shikárpur Collectorate.

 Sijáwal*...
 ...
 ...
 ...

In the tálukás marked (*) the measurements were completed.

6. The following was the work done by the different establishments during the field season:—

		90			MEAST	JREMENT.		
Establishment.	Superintending Officers.	Average No. of Measurers,	No. of Villages.	Survey Nos.	No. of Wasias.	Arable Acres.	Undivided land—Acres.	Total Acres.
1	2	3	4	5	6	7	8	9
A. B. C. D. E. F. G. H. I. K.	Mr. B. G. Gilbert-Cooper Mr. G. F. Mathieson Mr. W. D. Wilkins Mr. W. A. Boulton Mr. W. J. Wilkins Mr. J. F. Nash Mr. G. Berrie Mr. W. S. Cole Mr. P. Ross Mr. C. C. Warburton	20 161 182 7 15 18 16 161	47 65 53 67 99 118 42 32 51 44	8,819 8,073 7,237 6,384 893 1,716 8,363 6,413 7,781 8,847	55,940 80,648 62,965 54,703 6,242 15,356 77,120 39,895 62,544 45,795	65,325 46,956 47,455 44,132 3,495 4,861 46,327 35,026 47,000 63,759	57,254 168,079 91,537 162,543 722 57,505 74,396 98,705 56,734	122,579 215,035 138,992 206,675 3,495 5,583 103,832 109,422 145,705 120,493
	Total	1614	618	64,526	501,208	404,336	767,475	1,171,811
	Previous y ar	134.7	411	63,878	714,094	337,931	361,654	699,585
	Increase	. 27	207	648		66,405	405,821	472,226
	Decrease				212,886			

The work entered to the E. and I. Classing Establishments was done by measurers attached to them.

7. With an average addition of 27 measurers there has been an increase of 648 Survey Nos., 66,405 arable acres, 405,821 acres of undivided land and a decrease of 212,886 waslas. The average outturn per man as compared with that of last year is as follows:—

Area per man measured in 1880-81 ... Nos. 473 2,503 2,503 ... 1881-82 ... 398 2,496

Decrease ... 75 7

The small decrease in the average rate of measurement is owing to the increased proportion of young measurers who naturally cannot turn out the same amount of work as do those more experienced.

8. I consider the general result of the season's measurement, giving a gross increase of 4,72,226 acres over the outturn of the previous year, to be highly satisfactory. I had noticed that the measurers had contracted the habit of making numerous unnecessary waslas merely for the purpose of showing a good return of work, the disadvantages being loss of time and unnecessary expenditure on boundary-marks to demarcate trivial bends in the Survey Nos., and therefore issued instructions which to a great extent account for the diminution of waslas shown in the year's work.

- 9. The 404,336 acres cultivated land was divided into 64,526 Survey Nos., giving an average of a little over 6 acres per No.; this is still larger than I wish the average to be, and I am taking steps to keep down the size of Survey Nos. measured during the current season.
- 10. The following statement shows the test taken of the work entered in paragraph 6 above :—

9		70	TESTED Y ASSISTA			ESTED :		To	OTAL TES	T,	Measure-
Establishment.	Superintending Officers.	Survey Nos.	Acres.	Average Error.	Survey Nos.	Acres.	Average Error.	Survey Nos.	Acres.	Average Error.	Percentage of N
1	2	3	4	5	6	7	8	9	10	11	12
				A. g.			A, g.			A. g.	
A, B. C. D, E, F. G. H. I.	Mr. B. G. Gilbert-Cooper Mr. G. F. Mathieson Mr. W. D. Wilkins Mr. W. A. Boulton Mr. W. J. Wilkins Mr. J. F. Nash Mr. G. Berrie Mr. W. S. Cole Mr. P. Ross Mr. C. C. Warburton	691 597 560 276 752 752 660 613	5,127 3,282	$\begin{array}{c} 0-11 \\ 0-20\frac{1}{2} \\ 0-24 \\ 0-20 \\ 0-14 \\ \dots \\ 0-19 \\ 0-21 \\ 0-19 \\ 0-19 \\ 0-19 \\ \end{array}$	145	806	0—24 	691 597 560 504 276 145 752 522 660 613	5,160 3,638 3,922 3,807 993 806 5,127 3,282 4,482 4,655	$\begin{array}{c} 0 - 11 \\ 0 - 20\frac{1}{2} \\ 0 - 24 \\ 0 - 20 \\ 0 - 14 \\ 0 - 24 \\ 0 - 19 \\ 0 - 21 \\ 0 - 19 \\ 0 - 19 \end{array}$	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	Total	5,175	35,066	0-17	145	806	0-24	5,320	35,872	0—19	1

This return is satisfactory, both as regards the amount of test taken and in the result, showing the general accuracy of the work performed.

1 r. The following statement shows the distribution of days in each establishment:—

	*			ENTAGE EAR.			Perci	ENTAGE	of Fi	ELD SE	ASON,		
Establishment.	Officer in Charge,		In field,	In recess,	Measurement.	Boundary-mark inspec-	Measuring boundary disputes, base lines, &c.	Sickness.	Non-co-operation,	Rain,	Travelling.	In-doer work.	Leave, holidavs. &c.
1.	2	_	3	4	5	6	7	8	9	10	11	12	13
A. B. C. D. E. G. H.	Mr. B. G. Gilbert-Cooper Mr. G. F. Mathieson Mr. W. D. Wilkins Mr. W. A. Boulton Mr. W. J. Wilkins Mr. J. F. Nash Mr. G. Berrie Mr. W. S. Cole Mr. P. Ross Mr. C. C. Warburton		63 54 54 55 55 58 57 55 58 57	37 46 46 45 45 42 43 45 47 44	46 64 51 40 17 8 55 43 57 56	37 12 11 18 21 34 20 29 14 17	9 18 21 18 54 45 13 10 17 15	 1 3 2 3 1 1 6	1 1 2 1 2	1 ï ï	3 2 11 13 5 3 4 9 5 2	 1 6 4 2 1	4 3 4 1 2 4 3 5 3
	Average		56	44	44	21	22	2	1		6	1	3
	Previous year		53	47	49	16	22	1	•••	1	6	2	:
	Increase		3	·		5		1	1		.,		
	Decrease			3	5					1	- 0	1	

12. The measurers attached to the E. and I. Classing Establishments were employed during the greater portion of the season in breaking up Survey Nos. 1322-2

which had under previous existing orders been made of a size now considered unadvisable for either revision or temporary settlement; this correction gave much trouble and took much time, but it was time and trouble well employed, as comparatively small Nos. are absolutely necessary for the success of the present system.

- 13. There is a slight decrease in the days of measurement, and an increase in those of boundary-mark inspection, which is due to arrears of the latter from last year, which had to be completed in that under report. The travelling days of the C., D. and H. are considerably in excess of those of the other establishments, on account of their having been employed during the first half of the year in Upper Sind and moved to Lower Sind at the commencement of the hot weather; the other differences need no explanation.
- 14. The survey took the field on the 1st November and closed work on the 15th May, a few men remaining out after the latter date to complete work actually in hand; as noted in last year's report these dates appear to be those most suited to the conditions of this province, and are those which I propose to maintain in future.
 - 15. The health of both officers and men during the past season was good.

Classification.

16. During the season under report the Classing Establishments were employed, with the small exception noted in form below, in revising the measurement and collecting information, &c., preparatory to the introduction of temporary settlements into the following talukas:—

Tatta Táluka* Mirpur Batoro Táluka			Karáchi Collectorate.
	***	***	,
Kambar Táluka*			Shikarpur Collectorate.
Rato-dero Táluka*			Blikarpur Conectorate.

The work in those marked (*) was completed.

17. The work of the two establishments is shewn below:—

		Sser's.		C	LASSIFICATI	ON.		
Establishment,	Officers in Charge.	Average No. of Classers.	Villages.	Survey Nos.	Arable Acres.	Undivided land—Acres.	Total Acres.	Remarks.
1	2	3	4	5	6	7	8	. 9 •
E. F.	Mr. W. J. Wilkins Mr. J. F. Nash	9	$ \begin{cases} \frac{3}{107} \\ 120 \end{cases} $	485 26,837 38,214	2,867 124,175 178,964	4,466 198,073 140,146	7,333 322,248 319,110	The figures underlined were regular classification.
	Total	20	230	65,536	306,006	342,685	648,691	
	Previous year	16	70	22,662	69,291	115,375	214,666	
	Increase	4	160	42,874	236,715	227,310	434,025	

18. The above shows a large increase in every column over the outturn of last year, but the classification work in preparing for temporary and revision settlement differs so much in its nature that the returns of the two years can scarcely fairly be compared.

19. The average work turned out by each classer was as follows :-

Average per man in 1880-81 ,, 1881-82		1,872	5,381 15,300
	Increase	1,405	9,919

20. The following shows the test taken by Assistants of the work shown in paragraph 17 above:—

	TWO		AMOUNT	of Test.		of Classifica- as regards	
Establishment.	Officers in Charge.	Survey Nos.	Acres.	Averag per I	ge Error Rupee.	age of Ci	Remarks.
Establi				Soil.	Water.	Percentage tion Test Nös.	**************************************
1	• 2	3	4	5	6	7	8
			2	Pie.	Pie.		
E.	Mr. W. J. Wilkins	$\left\{ \frac{92}{5,073} \right\}$		·38 	1.37	} 19	The figures underlined were test of regular classification.
F.	Mr. J. F. Nash	5,415	31,889			14	
	Total	10,580	56,676			16	

21. The next statement shows the distribution of days in the Classing Establishments:—

•		PERCEI OF Y	NTAGE EAR.			PERCE	TAGE	of Fr	ELD SE	ASON,			46
Establishment.	Officers in Charge.	In field,	In recess.	Classification,	Boundary-mark in- spection.	Measuring boundaries,	Sickness.	Non-co-operation.	Rain.	Travelling.	In-door work.	Leave, holidays, &c.	REMARKS
1	2	3	4	5	6	7	8	9	10	11	12	13	14
E. F.	Mr. W. J. Wilkins. Mr. J. F. Nash	55 58	45 42	65 54	9	13 20	1 5	•••		8	1	4	
	Average	561	431	59½	13	161	3			5	1/2	$2\frac{1}{2}$	
	Previous year	49	51	451	101	28	41/2	•••	1/2	$4\frac{1}{2}$	21/2	4	
•	Increase	71/2		14	21/2					1/2			
	Decrease		71			111	11/2		1/2		2	11	

The increase in the percentage of time passed in the field during the present year is due to the exceptionally short average field season of 1880-81, the reason of which was explained in last year's report. The increase and decrease in columns 5 and 7 respectively is due to the correction work this season having

to a great extent been carried out by measurers attached to the Classing Establishment, thus enabling the classers as far as practicable to attend to their own special duties; the remaining differences need no explanation.

Recess Work.

- 22. Recess work commenced nominally on the 15th May and closed on the 31st October; but some men were necessarily employed in the field after the first date in completing work in hand, and all had to leave head-quarters some days before the latter date, so as to enable them to start work on the opening day of the field season, November 1st.
- 23. The whole of the recess work of both Measuring and Classing Establishments was completed by the end of the season, and the survey commenced work for the new field season with no arrears.

Settlement.

24. During the year under report revised settlements were introduced into the following tálukás:—

Lárkhána Táluka, Shikárpur Collectorate, with effect from the year 1881-82. Mánjhand Táluka, Karáchi Collectorate, with effect from the year 1882-83.

25. Temporary settlements were proposed and sanctioned for the following tálukás, and the whole of the papers for the same, registers, maps, &c., were furnished to the Mukhtyárkars:—

Kambar Taluka ... Shikarpur Collectorate, with effect from the Rato-dero Taluka ... Shikarpur Collectorate, with effect from the year 1882-83.

Tatta Táluka ... Karáchi Collectorate, with effect from the year 1882-83.

26. Proposals for the revision settlement of the Nasirabad Táluka were submitted and received the sanction of Government with effect from the year 1883-84; this settlement was not introduced during the year under report.

27. During the year the settlement of the following talukas under provisional settlement was confirmed as shown to each:—

Dádú Táluka, Karáchi Collectorate, for 10 years, from the year 1880-81. Lárkhána Táluka, Shrikárpur Collectorate, for 10 years, from the year 1882-83.

Maps and Lithographic Work.

28. During the year the following maps have been issued to the district authorities:—

Maps prepared at the Photozincographic Office, Poona—

Táluka Mánjhand—Maps of 25 villages.

Hand-made maps-

3

Táluka Kambar-Maps of 105 villages,

Rato-dero ,, ;

Cost of the Survey.

29. The cost of the survey for the year was as follows:-

Sind survey charges ... 1,87,765
Share of expenditure on paid labourers chargeable to
Government 36,382

Total Cost, Rupees ... 2,24,147

30. There is a saving on the sanctioned grant for the year as follows :-

Sanctioned grant 1,94,853

Deduct Sind Survey charges ... 1,87,765

Saving, Rupees ... 7,088

- 31. The unadjusted balance at the commencement of the year was Rs. 3,67,413-12-7. Bills for Rs. 1,74,719-6-0 were sent in during the course of the year, and at the close the balance against this department, including the advances received during the year (Rs. 1,32,409-15-1), stood at Rs. 3,25,104-5-8.
- 32. Since the close of the year, bills for Rs. 64,294-5-11 have been sent in for adjustment, and I hope during the next month or so to be able to send in bills for Rs. 1,32,863 more. I have used every endeavour during the past year to reduce, as much as possible, the very large outstanding account, to which I succeeded on taking charge of this office, and after submission of the bills last referred to, with a few exceptions of small amounts, only accounts for talukas still in hand will remain; these, as formerly explained, cannot be prepared until the talukas in question are completed.
- 33. The cost per acre for the year is shown below and compared with that of the previous year:—

		188	0-81		188	31-8	2.
		Rs.	a,	p.	Rs.	a.	p.
Measurement		 . 0	3	9	0	2	7
Classification		 0	2	1	0	0	11
*		-	-	-	-	-	-
Both Operations	***	 0	5	10	0	3	6
		-		-	-	-	-

34. In conclusion I beg to bring to notice the names of the following officials and zamindárs who have given efficient aid to this department in the prosecution of the work during the year under report:—

Diván Piniamal, Mukhtyárkar of Lárkhána, during introduction of settlement into that táluka.

Diván Asumal, Mukhtyárkar of Hála ... Reported favour, Gurmukhdás, Mukhtyárkar of Jacobabad ... ably of by Assistants during progress of measuring Allahbaksh of Lima Junejo in Sijáwal ... Sobasing, Amil of Nabibaksh Khand in Sijáwal.

I have the honour to be,

Sir,

Your most obedient Servant,

J. W. M. ANDERSON, Lieutenant-Colonel, Superintendent, Sind Revenue Survey.

Measurement Progress Statement for the year ending the 31st October 1882, for the Sind Revenue Survey Department,

	ment.	WHOL WI Est.	NTAGE (LE YEAR HICH EA ABLISH)	FROM CH MENT	Si	PERCENT EASON, 1	TAGE D	, THE	TION OF	TERED	VORKING IN COL	g Days	OF THE	/E	ployed du			1	MEASURI
	ablish		EMPLO		Fie	eld Wor	rk.		No F	leld W	ork, ow	ing to	3		rs em				
*	Distinguishing Letter of Establishment	In the districts.	At head-quarters.	Total.	Ordinary measurement.	Inspecting field boundary marks.	Measurement of boundary disputes, testing, &c.	Sickness.	Villages not co-operating.	Rain.	Moving from one village to another.	In-door work, to complete accounts, maps, &c.	Idle days, leave, Native holidays, &c.	Total.	Average number of Measurers employed during the Working Season.	Names of Officers who superintended the Native Establishments.	Names of Táiukás or other Divisions in which the Establishments were employed.	Villages.	Fields.
	1	2	8	4	. 6	6	7	8	9	10	11	12	13	14	15	16	17	18	19
A		63	87	100	46.53	36.33	8.74	-21		.60	3.30		8.69	100	17	Mr. B. G. Gilbert-Cooper	Hála	47	8,819
							, let			~ .							Total	47	8,819
В		54	46	100	64	12	18		1		2		3	100	20	,, G. F. Mathieson	Guni Mirpur Batoro	48	6,779 1,294
					val.	4							٠				Total	65	8,073
c	.,	54	46	100	51	11	21	11			11	1	4	100	161	,, W. D. Wilkins	Sijáwal, Shikarpur Jathi	23 30	5,096 2,141
																	Total	£ 53 €	7,237
D	Total Company	55	45	100	40.45	17.80	18:24	2.83	-97		12.95	5.48	1.28	100	181	" W. A. Boulton	Kambar Jacobabad	9 15 6 37	1,969 2,227 628 1,568
	- Inches							10	4								Total	67	6,384
E	Total Control	55	45	100	17	21	54			1	5		2	100	7	" W. J. Wilkins	Rato-dero	51 41 2 5	455 409 20 9
				12.7					Jan 1	0.00		· lar					Total	99	893
F		58	42	100	8	34	45	2			8	4	4	100	15	, J. F. Nash	Kambar	118	1,716
						7											Total	118	1.716
1	*	57	43	100	55	20	18	3	2		4		3	100	18	" G. Berrie	Guni Mirpur Batoro	41	8,278
																	Total	42	8,868
н		55	45	100	43	29	10	1	1	4	9	2	- 5	100	16	" W. S. Cole	Rato-dero	14 5 13	2,290 46 2,698 1,879
																	Total	82	6,413
ı		58	47	100	57	14	. 17	1	2		43	13	3	100	16}	,, P. Rose	Guni Tatta Mirpur Batoro	45 ₆ , 4	7,663 61 157
																	Total	51	7,781
к		55.20	44:50	100	55.78	17:20	14.94	5.20	-31	*50	2.45	*34	2:89	100	17‡	" C. C. Warburton]	Hálla Mánjhand	42 2	8,487
																	Total	44	8,841
																	Grand Cotal	618	64,526

under the Superintendence of Lieut.-Colonel J. W. M. Anderson, Superintendent, Sind Revenue Survey.

NTS EXECU	TED BY EA	сн Езтавы	SHMENT.		N	UMBER OF	VILLAGES,	FIELDS,		RES SUBMIT	TED TO THE	ST.	15.00	operation per	
as "		unarable			By Eur	ropean Offi	cers.	By N	ative Te			Total.		le oper	
Trapezia and Triangles "Wasias"	Arable Acres.	Undivided arable and una Acres.	Total Acres.	Villages.	Fields.	Acres.	Average difference between original measurement and test per cent.	Fields.	Acres.	Average difference between original measurement and test per cent.	Fields.	Acres.	Average difference between original measurement and test per cent.	Average cost of the whole Acre.	REMARKS
20	21	22	23	24	25	26	27	28	29	30	31	82	33	34	35
55,940	65,325	57,254	122,579	47	691	5,160	A. g. 0 11			A. g.	691	5,160	A. g. 0 11	Rs. a. p.	
55,940	65,325	57,254	122,579	47	691	5,160	0 11			•••	691	_~ 5,160	0 11	0 2 9	
67,731 12,917	41,238 5,718	131,495 36,584	172,733 42,802	46 17	513 84	3,231 407	0 20 0 21	::_	::	::	513 84	3,231 407	0 20 0 21	::	
80,648	46,956	168,079	215,035	63	597	3,638	0 201				597	8,638	0 201	0 1 10	
43,872 19,093	36,764 16,691	21,099 70,447	57,854 81,138	23	381 179	2,874 1,048	0 23 0 26	::	::	::	381 179	2,874 1,048	0 23 0 26		
62,965	47,455	91,537	138,992	53	560	3,922	0 24				560	3,922	0 24	0 2 2	
21,659 13,449 6,438 13,157	16,090 17,016 3,115 7,911	12,773 17,057 18,186 114,527	28,863 34,073 21,301 122,438	9 15 6 86	152 177 47 128	1,398 1,483 253 678	0 20 0 19 0 25 0 22	::	::	::	152 177 47 128	1,393 1,483 253 678	0 20 0 19 0 25 0 22	::	
54,708	44,132	162,543	206,675	66	504	3,807	0 20				504	3,807	0 20	0 2 1	
3,559 2,519 119 45	1,869 1,493 88 45	:	1,869 1,493 88 45	40 24	168 108	579 414	0 15 0 13	::	::	::	168 108	579 414	0 15 0 13		
6,242	3,495		3,495	64	276	993	0 14				276	998	0 14	1 15 7	
15,356	4,861	722	5,583	28				145	806	0 24	145	806	0 24		
15,856	4,861	722	5,583	28				145	806	0 24	145	806	0 24	1 8 4	
76,181 939	45,934 398	54,581 2,924	100,515 3,317	40	745	5,093 34	0 19 0 29	:	:	::	745	5,093 34	0 19 0 29	::	
77,120	46,327	57,505	103,632	41	752	5,127	0 19				752	5,127	0 19	0 3 6	
19,876 814 8,736 10,969	11,489 413 15,302 7,822	24,594 19,101 30,701	36,083 413 34,403 38,523	14 5 18	184 4 223 111	1,161 32 1,402 687	0 23 0 28 0 19 0 18	::	::	:	184 4 223 111	1,161 32 1,402 687	0 23 0 28 0 19 0 18	:	
39,89	85,026*	74,396	109,422	32	522	8,282	0 21		•		522	3,282	0 21	0 3 2	
60,541 319 1,684	45,800 314 886	78,154 23,621 1,930	118,954 23,935 2,816	45 1 3	635 5 20	4,349 20 113	0 19 0 15 0 17		:	ä	635 5 20	4,349 20 113	0 19 0 15 0 17	i.	
62,544	47,000	98,705	145,705	49	660	4,482	0 19	•			660	4,482	0 19	0 2 2	
43,666 2,129	61,782 2,027	52,961 3,778	114,693 5,800	36 2	595 18	4,563 92	0 19 0 13	ï	:	::	595 18	4,563 92	0- 19 0 13	:	
45,795	68,759	56,784	120,493	38	613	4,655	0 19				613	4,655	0 19	0 2 4	
5,01,208	4,04,336	767,475	1,171,811	481	5,175	35,066	0 17	145	806	0 24	5,320	35,872	0 19	0 2 7	

Statement for the Sind Revenue Survey Department, exhibiting the Amount of Discrepancy between the Test and Original Measurements of all the Fields entered in Columns 25 to 33 of Statement No. 1, as tested during the year ending the 31st October 1882.

Letter nt.				Num	BER OF F	IELDS IN	wнісн	THE DI	IFFEREN	CE PER	CENT. B	ETWEEN	ORIGI	NAL AN	D TEST	MEASU	REMENT	DID NO	r exceed
Distinguishing Letter of Establishment.	Name of Officers who superintended the Establishment.	Names of Talukás measured.	Total Number of Fields tested.	1 per cent.	2 per cent.	3 per cent.	4 per cent.	5 per cent.	6 per cent.	7 per cent.	8 per cent.	9 per cent.	10 per cent.	11 per cent.	12 per cent.	13 per cent.	14 per cent.	15 per cent.	23 per cent.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A.	Mr. B. G. Gilbert-Cooper	Hála	691	689	1	1													
		Total	691	689	1	1				,									
В.	Mr. G. F. Mathieson{	Guni Mirpur Batoro	513 84	445 75	50 9	14	3		1	:::							:::		·
		Total	597	520	59	14	3		1			•••			***			,	
C.	Mr. W. D. Wilkins {	Sijáwal (Shikárpur) Jathi	381 179	374 161	4 15	2 3			:::			1	:::			:::	:::		
		Total	560	535	19	5		•••				1	•••						
D.	Mr. W. A. Boulton	Kambar Jacobabad Sijáwal (Karáchi) Jathi	177 47	133 154 35 103	17 18 8 18	2 5 4 7				:::					::				
		Total	504	425	61	18													
E.	Mr. W. J. Wilkins · {	Rato-dero Tatta	100	158 106	2	1						:::	:::	:::			:::		
		Total	276	264	11	1											.,.		

F.	Native Testers		Kambar		145	127	12	6												***	•••
	•		То	tal	145	127	12	6	••												
G.	Mr. Berrie		Guni Mirpur Batoro		670	594	60	12	3												
	Mr. C. E. Biddulph		Guni	1	75	64	8	2		1											
	10,000	4	To	tal	752	664	69	14	3	2											
н.	Mr. W. S. Cole	v	Rato-dero Sehwan Jathi		79 4 154 33	73 3 129 26	4 17 6	1 1 4 1	₃	 1				:::	***			***	***		
	Mr. C. F. Erskine		Rato-dero Sehwan Jathi		105 69 78	92 66 73	10 3 4	1	***									•			::: 1
			To	otal	522	462	44	10	4	1.	***	,	***	***	***						1
L	Mr. P. Ross		Guni Tatta Mirpur Batoro.		543 5 20	489 4 18	2	7 1	3	1											
	Mr. C. E. Biddulph		Guni		92	82	10	•••	***												***
			Т.	otal	660	593	55	8	3	1		,									
K.	Mr. C. C. Warburton		3 34 / 12 3	· ···	595 18	538 17	47 1	2	8	3	1	:::	:::	:::	1		:::	:::		- :::	# /
			Т	otal	613	555	48	2	3	3	1				1	1					
			Grand T	otal	5,320	4,834	379	79	16	7	2			1	1	Ī					1

J. W. M. ANDERSON, Lieut.-Colonel, Superintendent, Sind Revenue Survey.

Field Boundary Mark Statement for the year ending 31st October 1882, for the Measuring Establishments of the Sind Revenue Survey Department, under the Superintendence of Lieutenant-Colonel J. W. M. Anderson, Superintendent, Sind Revenue Survey.

Letter of		Number of Villages of		TILLAGES IN WHICH OUNDARY MARKS	THE FIELD	Number of Villages in which a Further	BOUNDARY M	LLAGES FOR WHICH ARES, RETURNS, CCOUNTS	
Distinguishing 1 Establishment.	Name of Officer who superintended the Establishment,	which the Measurement was completed during the Year.	Were all con- structed and examined within one month of completion of measurement.	Were all con- structed and examined after three mouths but before close of year.	Remained incomplete at the close of year.	Examination of Boundary Marks was made by Officers in Charge of Establishments,	Were furnished to Superintend- ent before close of year.	Remained to be furnished to Superintendent at close of year,	Explanation of Balances in Columns 6 and 9.
1	2	3	4	5	6	7	8	9	10
A	Mr. B. G. Gilbert-Cooper	47		46	19	28	28	19	Stones were not procurable to complet the demarcation of villages in column 6 & 9. 18 villages in excess in column are the arrears of last year complete this year.
В	Mr. G. F. Mathieson Mr. W. D. Wilkins	65	53	12	***		83	***	Arrears of 18 villages of last year of the A. Establishment completed this year by this establishment.
D		51 67	37 56	33 35		16	51		Arrears of last year completed this year The accounts have been prepared the F. Establishment.
E	Mr. W. J. Wilkins	(99)				19	67		Do. do. All work connected with these villag was completed, but as they have ready been shown in last year's wor columns 4 to 9 are left blank. T Black figure in column 8 shows t arrears of C., D. & H. Establishmen of last year completed this year this establishment.
G H	Mr. J. F. Nash Mr. G. Berrie Mr. W. S. Cole	(118) 42 32	18	*5 29		31	63 42		*Arrears of last year of H. establisment completed this year by the establishment.
				47		25	32		Out of the 20 villages in arrears of 1 year, 15 completed this year and the maining 5 by the F. Establishment.
I	Mr. P. Ross	50	• 37	22		10	59		Arrears of 9 villages of last year concluded this year.
K *	Mr. C. C. Warburton	,44	. 10	26,	8	26	36	8	Stones were not procurable to complethe demarcation of villages in colur 6 and 9.
	Total	615	206	255	27	155	461	27	

J. W. M. ANDERSON, Lieutenant-Colonel, Superintendent, Sind Revenue Survey.

Monsoon Office Work Progress Statement for the year ending the 31st October 1882 for the Measuring Establishments of the Sind Revenue Survey Department, under the Superintendence of Lieutenant-Colonel J. W. M. Anderson, Superintendent, Sind Revenue Survey.

Letter of			Number of		ILLAGES FOR WE WAS COMPLETE		Number of V Office W	ORK WAS NOT O	COMPLETED	
ng Le	Name of Officer who superintend lishment.	led the Estab-		Examination and Correction	Village	Maps.	Examination	Village	Maps.	Remarks in Explanation of the Causes owing to which the Papers of all the Villages were
Distinguishing Establishment.	Isament.		was completed during the Year.	of Field Books and Papers prepar- ed in the Districts.	Examination and correction of rough original.	Preparation or correct fair copies.	and Correction of Field-books and Papers prepared in the District.	Examination and correction of rough original.	Preparation of correct fair copies.	not completed.
1	2		3	4	5 .	6	7	8	9	10
							A			
A B	Mr. B. G. Gilbert-Cooper Mr. G. F. Mathieson	ų	65	47 65	47 65	28 65	***		19	Maps of 19 villages in column 9 cannot be completed until stones are put up
C	Mr. W. D. Wilkins		51	51	51	51			•••	in these villages.
D	Mr. W. A. Boulton		67	67	67	67				
Classing.	Mr. W. J. Wilkins		(00)	***		***			}	All work connected with these villages was completed, but as they have al- ready been shown in previous year's
5 (F	Mr. J. F. Nash		(118)	•	•)	work, columns 4 to 9 are left blank.
G	Mr. G. Berrie		10	42	42	42	*			
H	Mr. W. S. Cole			32	32	32				
I	Mr. P. Ross			50	50	50				
K	Mr. L. W. Seymour		44	44	44	36	•••		8	Maps of 8 villages in column 9 cannot be completed until stones are put up in these villages.
		Total	615	398	398	371	*		27	

J. W. M. ANDERSON, Lieut.-Colonel, Superintendent, Sind Revenue Survey.

Olassification Progress Statement for the Year ending the 31st October 1882, for the Sind Revenue Survey Department, under the Superintendence of Lieutenant-Colonel J. W. M. Anderson, Superintendent of Sind Revenue Survey.

ient.	YE YE	HE WI	ACH	OF 1	HE SE	GR DI EASON LUMN	. NAM	ELY.	THE	TIME	ENT	EREI	IN	np pe						1			, FIELDS AN H ESTABLISH					Nu	MBERS	OF VILI	LAGES,	Firm	LDS A	ND ACE	res sui	винтен	то Т	EST.			ation pe	
tablishm	MH	TABLE NT W PLOY	AS.	Field	Wor	k.	No I	ield	Worl	k, ov	ving	to		employ												В	y Eu	ropean	Office	rs.	,	By N	lative	Teste	rs.			Total.			le Oper	
inguishing Letter of Es	In the districts.	lead-quarters.	ı,	ary cla	secting field boundary arks,	surement of boundary putes, testing, &c.	· i	ges not co-operating.	the feeting care williams	nother.	rk, to co maps, &c	Idle days, leave, native holidays, &c.		rage number of Classes e Working Season.	Names Officers w superinten the Establishm	ho	Classific	cation	ikās under in Season sport.	#	ds.	ble Acres. •	Unarable Acres.	Total Acres.	Villages	of so	Classification of water.	'8 1	Differ Rate Fiel tween nal ar Class	on.	fication of	fication of		Rate Fiel tween nal an Class tic	ence of e per id be- iorigi- id Test sifica- on.	ification of	ification er.		Differe Rate Field twe n nal an Class	e per d be- Origi- d Test sifica- on.	ge Cost of th	REMARKS
Dist	Int	At h	Tota	Ordin	Inst	Men	Sick	Village	Rain	to a	acc acc	Idle	Total	Avera						Village	Fields.	Arable	T A	Tota	Ville	Class	Clas	Acre	Soil.	Water	Class	Class	Acres	Soil.	Water	Chassi soil.	Class	Acre	Soil.	Water	Avera	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			17		18	19	20	21 .	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	- 40
	•																Sukkur Mánjhan			. 1	99			771 6,562	1 2		22 70	174 • 318		Pie. 1.09			*			200	2 22 0 70	25.84	Section	Pie. 1.09	Rs. a. p	The Bl
															Mr. W. J. W	ii-			Total .	. 8	485	2,867	4,466	7.333	3	92	92	492	-38	1.27	-					9	2 92	492	-38	1.27		lar Cla fication
	55	45	100	65	9	13	1			8		4	100	9	•		Rato-dero Tatta Mirpur B					69,142 51,267 3,766	130,223	128,630 181,490 12,128	57 44 6)	5,078		24,295								5,07	3	24,295				
																			Total .	. 107	26,837	124,175	198,073	322,248	107	5,073	-	24,295			-					5,07	3 .	24,295	•		-:-	
																			Establish	110	27,322	127,042	202,539	329,581	110	5,165		24,787								5,16	5	24,787			0 0 1	1 24
	58	42	100	54	17	20	5			2	1	1	100	11	Mr. J. F. Na	sh .	Kambar			. 120	38,214	178,964	140,146	319,110	118	5,415		31,889								5,41	5	31,889				
		3																	Establish		38,214	178,964	140,146	819,110	118	5,415	.,	31,889		٧٠						5,41	5	31,889		1.	0 0 1	10
-																	0	Gran	i Total.	230	65,536	306,006	4 342,685	648,691	228	10,580		56,676								10,58	0	56,676			0 0 1	n

J. W. M. ANDERSON, Lieut.-Colonel, Superintendent, Sind Revenue Survey.

Statement of the Sind Revenue Survey Department, exhibiting the Amount of Discrepancy between the Test and Original Classification of all the Fields entered in Columns 24 to 38 of Statement No. 5, as tested during the year ending the 31st October 1882.

			Num	aber of			Numi	BER OF	FIELI	S IN W	нісн	THE DI	FFERE!	NCE BE	TWEEN	ORIG	INAL A	ND TE	ST CLA	SSIFIC	ATION '	WAS		
Letter	Name of Officer who superintended the Establishment.	Name of Táluka classified.	Fi	ields mitted	Rs, 0	a. p. 0 0	Rs. a 0 0 *to	1	Rs. 0 t	0	Rs, 4	a. p.	Rs. : 0 1 to 0 2	7	Rs. 0 2 to 0 2	a. p. 2 1 0 2 6	Rs. 0 :	a, p, 2 7	Rs. 0 t	a, p. 3 1 3 6	Rs. 0	a. p. 3 7 to 4 0	t	a. p. 4 1 to 4 6
Distinguishing lishment,			Soil.	Water.	Soil.	Water.	Sọil.	Water,	Soil.	Water,	Soil.	Water.	Soil.	Water.	Soil,	. Water.	Soil.	Water.	Soil,	Water,	Soil.	Water,	Soil,	Water,
1	. 2	3	4	4 5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
						4.																		
		Sukkur Mánjhand		22 22 70 70	21 65	20 65	1 5	ï		2				2				ï						
	Mr. W. J. Wilkins	Total .		92 92	86	85	6	1		3				2				1						
		Tatta	}5	073						•••			•••	•••										
		Total .	5,	,073																	****			
	Total of the E. Establishment		5,	,165																				
•••	Mr. J. F. Nash	Kambar	5,	,415													.,.					T		
	Total of the F. Establishment		5,	,415							,	K.,.												
	Grand Total :		10,	,580								Ī												Ī.,

The Black figures were test of Regular Classification,

Monsoon Office Work Progress Statement for the year ending the 31st October 1882, for the Classing Establishments of the Sind Revenue Survey Department, under the Superintendence of Lieutenant-Colonel J. W. M. Anderson, Superintendent, Sind Revenue Survey.

Distinguish-		Number of Villages of	NUMBER OF VILI MONSOON O WAS COM	LAGES FOR WHICH FFICE WORK IPLETED.	Number of VII. Monsoon O was not o	FFICE WORK	
ing Letter f Establish- ment,	Name of Officer who superintended Establishment.	which the Classification was completed during the Year.	Examination and correction of Field-Books and Papers prepared in the Districts.	Field Registers for the Settlement of the Assessment prepared and examined.	Examination and correction of Field-Books and Papers prepared in the District.	Field Registers for the Settlement of the Assessment prepared and examined.	Remarks in explanation of the causes owing to which the Papers of all the Villages were not completed.
1	2	3	4	5	6	7	8
			•				
E.	Mr. W. J. Wilkins	. 110	110	110			
F.	Mr. J. F. Nash	. 118	118	118			
	Total	. 228	228	228		***	

J. W. M. ANDERSON, Lieutenant-Colonel, Superintendent, Sind Revenue Survey. General Statement showing the Progress made in the Preparation and Distribution of Village Maps, from the commencement of the Survey up to the close of the year ending the 31st October 1882, by the Sind Revenue Survey Department, under the Superintendence of Lieut.-Col. J. W. M. Anderson.

		NUMBER OF 1	VILLAGES INTO	FOR WHIC	F VILLAGES CH COPIES LAGE MAPS	FOR WHICH	THE USUAL	FOR WHICH	F VILLAGES MOUNTED OF THE	Num	MAPS REA	LAGES FOR MAIN TO BE	WHICH	
COLLECTO- RATE.	Name of Ta'lura.		URVEY SETTLE- N INTRODUCED.	COPIED BY	HAND HAVE	OF THE	VILLAGE AS BEEN	LITHOGRAI HAVE BEEN	PHED MAPS FURNISHED OFFICERS.	Lithog	raphed,		and issued cal Officers.	Remarks.
		Original Settlement.	Revision Settlement.	Original Settle- ment.	Revision Settle- ment,	Original Settlement.	Revision Settle- ment,	Original Settle- ment.	Revision Settle- ment,	Original settlement.	Revision settle- ment.	Original settlement.	Revision settle- ment.	
1	2	6.0	3		4		5		6		7		8	9
-	Kotri Sehwan Dádu		14 52 59		4+ 4+	***	14 52 59		14 52 59	***	 			
Karáchi	Mánjhand Sijáwal Mirpur		25		 	30	25	***	25	 	 			Original settlement has not been introduced into these
,	Kandiaro	Temporary 44	59				59		59				***	tálukas.
	Naushahro Moro Sakrand		95 61 90		II.		95 61 90		95 61 90		 			
Hyderabad -	Shahdadpur Mirpur Khás Hála	35	110	:::		35 69	110	35 69	110 	 		 	 	
	Tando Alahyar Hyderabad	57 52		***	II.	57 52 62		57 52 62	 	 				
	Guni Bágo Badin		77			96 88 90			 					Original settlement has not been introduced into these tálukas.
	Rohri	***************************************	45			98	45	98	45				1 :::	
	Mirpur Ubauro	81 91		***	***	83 91		83 91	 	.i. 				
	Mehar Tigar		Temporary 53 53 48		53 53 48					 				
Shikarpur.	Larkhána Labdarya (in part) Nasirabad		Revision 66 Temporary 34		66 34	53	18 53	22		 				Maps will be supplied as soon as printed.
	Kambar Sijáwal Rato-dero	86	Temporary 118 Temporary 57		118	86		86	 	•••	 	***		Maps of 105 villages supplied during the year and of 13 villages after the close of the
	Shikarpur (in part) Naushahro (in part) Sukkur	27	69			27 69 	69	27 69		···	 			year.
	Total	824	1,108		473	1,086	750	729	679		48			

J. W. M. ANDERSON, Lieutenant-Colonel, Superintendent, Sind Revenue Survey. Statement contrasting the Cost of the Sind Revenue Survey Department under the Superintendence of Lieut.-Colonel J. W. M. Anderson for the year ending the 31st October 1882 with that for the preceding year.

O Years.	Commi	charges on of Survey ssioner's e, &c.	Pay of Supe	rintendent.	Sub-Assista tendents,	sistant and nt Superin- inclusive of meraries.	Pay of Esta	ablishment.	Contingen for Stat Instrume Stock	nt Charges cionery, nts, Dead c, &c.	Expenditur of Labor Measurer Classifi		Total Exp	enditure.	Remarks,
H	Rs.	Per cent.	Rs.	Per cent.	Rs.	Per cent.	Rs.	Per cent.	Rs,	Per cent.	Rs.	Per cent.	Rs.	Per cent.	
<u></u>		·													
1880-81	3,697	2.	15,993	8:4	65,295	34.4	65,257	34.4	7,812	4:1	31,688	16.7	1,89,742	100	
5															•
1881-82 •••		•••	19,159	8.5	84,000	37·5	76,104	34.0	8,502	3.8	36,382	16.2	2,24,147	100	

J. W. M. ANDERSON, Lieut.-Colonel, Superintendent, Sind Revenue Survey.

General Statement showing the Cost of the Sind Revenue Survey Department under the Superintendence of Lieutenant-Colonel J. W. M. ANDERSON, from the commencement of Operations until the close of the year ending 31st October 1882.

	T	OTAL AREA, ARAB	LE AND UNARABL	Ε,	- W N		•
Years.	Measured.		Classified.		Cost of both Operations per Acre.	Total Cost of Survey.	Remarks.
	Acres.	Cost per Acre.	Acres.	Cost per Acre.			
1 .	. 2	3	4	5	. 6	. 7	8
		Rs. a. p.		Rs. a. p.	Rs. a. p.		
Notal of previous years from 1862-63 to 1873-74	13,079,541	0 1 6	6,157,597	0 1 6	0 3 0	1,791,269	
1874-75 1875-76 1876-77	PC0 1F0	0 4 0 0 2 5 0 2 1	226,010 394,528 698,236	0 0 9 0 0 6 0 0 9	0 4 9 0 2 11 0 2 10	148,828 141,877 144,257	The cost is inclusive of charges for labourers. The cost is inclusive of charges for labourers
1877-78 1878-79 1879-80	466,716	0 5 6 0 3 6 0 3 10	549,967 449,026 522,775	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 5 11 0 3 10 0 4 9	151,867 121,068	and boundary marks,
1880-81 1881-82	699,585	0 3 10 0 3 9 0 2 7	214,666 648,691	0 2 1 0 0 11	0 5 10 0 3 6.	153,833 189,742 224,147	The cost is inclusive of charges for labourers.

J. W. M. ANDERSON, Lieut.-Colonel, Superintendent, Sind Revenue Survey.

No. 11.

General Statement of Progress made in the Survey and Assessment of the several Tálukas of the Karáchi, Hyderabad, and Shikárpur Collectorates, by the Sind Revenue Survey Department, from the commencement of Operations up to the close of the year ending 31st October 1882.

orates.	Names of T	álukas	or other				PROGRESS OF	SURVEY UP	то		
Collectorates.		risions.	or outer		Measurement.		Classificat	ion.	As	sessment,	
r	Kotri				Revision complete		Revision com	plete	Revision	complete,	
	Sehwan			***	,, ,,		" "		"	,,	
	Dádú				y)))		19 21		"	,,,	
E	Mánjhand			•••	", "	•••	,, ,, ,,	•••	,,	"	
KARA CHI.	Tatta	***	***		0." , "		Temporary ,,	••••	Temporary	"	
IRA	Ghorabari Sákro	***	***		Original "	•••	******			******	
M	Sákro Sijáwal			***	Revision "	•••				*****	
1	Mirpur Bator				revision ,,	***	Temporary in	hand			
	Jathi				,, in hand			Sand Control			
1	Sháhbandar				Original complete			44		*****	
-				-							
	77 . 317		TE YOU HE		D		Davisis	-let-	D		
	Kandiáro Naushahro	***	***	•••	Revision complete		Revision comp		Revision c		
	Moro		***	***		•••	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		"	.,,	
	Sakrand				31 13 21 23		,, ,,		"))))	
9	Shahdádpur	***			"				"	27	4
AB.	Hála				" in hand		Original "		Original	27	
HYDERABAD.	Mirpur Khás	***		***	Original complete		" "	1 5000	11	97	
IXI	Hyderabad	***	***	***	33	Section Control	1, 11	Harris - 190	"	"	
H	Tando Alahya Dero Mohbat		•••	•••	" "	•••	"	•••		31 Promotion	
1	Guni	1			Revision in hand		. ,, ,,		"	"	
	Bágo		***		Original complete					*****	
l	Badin				,, 1)	***					
	Sukkur		•		Davision assetta		Revision co	mmlet-	ъ		
	Kakar	***			Revision complete		Temporary	mplete	Revision Temporary	complete.	
	Mehar				" "			99	Part of the second		
	Tigar				91 91 13 11		Revision	"	"	"	
- 1	Nasirabad	•••	***	***	" "	•••		23	Original	39	
E.	Kambar	•••		•••	" "	•••	Temporary	"	Temporary	,,	
PU	Lárkhána	***	A SPACE OF STREET	•••	3) 3)	•••	Revision	"	Revision		
A'B	Labdarya Rato-dero	Secret 1			" "		Temporary	33	Temporar	" "	
SHIKA'RPUR,	Sijáwal				" "	***	Original	"	Original	"	
200	Naushahro Al	bro			Original complete		15	" …	Original 3	rd	
	Shikarpur	***	***		PRINCIPLE WATER AND CONTINUE FOR AN ADVISOR OF			,,	77 5	th ,,	
	Rohri	***		•••	Revision ,,	•••	Revision	,,	Revision	44	
	Ghotki	•••		•••	Original "	•••	Original	"	Original	0,,	
	Mirpur Ubauro			•••	" "	•••	"	"	"	"	
	Obalito	***	***	•••	" "		"	"	"	"	
200											
TIO.	Jacobabad Thul	•••	1	•••	Revision in hand	h	•••••				
PRONTIER DISTRICTS.	Kashmor	***			Original partly in						
ן הי					" "	,	Section 1			7***** *******************************	
				-							Series Series
ſ	Sánghar				Original complete						
	Khipra	•••			,, ,,					0	
AR	Umarkot			•••	" "						
R. R.K.	Cháchra		19.	•••							
PA'RKAR.	Mitti Dipla			***	•••••		•••••				
	The state of the s	•••	***				••••			******	
0.000	Nagar	100000000000000000000000000000000000000					******				

J. W. M. ANDERSON, Lieutenant-Colonel, Superintendent, Sind Revenue Survey.

No. 12.

Balance Sheet showing the Amount and Particulars of Unadjusted Advances as the same stood on the 31st October 1882, for the Sind Revenue Survey Department, under the Superintendence of Lieutenant-Colonel J. W. M. Anderson, Superintendent, Sind Revenue Survey.

s and		BALA	INCE.	
A dvances Receipts.	Account.	Remaining at Debit.	Remaining at Credit.	REMARKS.
Unadjusted.	Collector of Karáchi Do. of Hyderabad	Rs. a. p. 60,295 4 4 75,532 7 10 1,89,276 9 6 3,25,104 5 8	Rs. a. p.	
	Expended on measurement and classification of the Manjhand Taluka Do. on boundary marks in do Do. do. in the Badin Taluka Do. do. in the Naushahro Abro Taluka	204 4 1 611 3 9 3,521 0 9		Bills for these amounts will be submitted during the current year. Bills for these amounts cannot be submitted until temporary or revised settlements are introduced
	Do. do. inthe Shikarpur Taluka. Stones in the charge of the Mukhtiarkar of Kakar Expended on boundary marks in the Shahdadpur Taluka	1,000 0 0 587 5 6 341 1 0	,	into these tálukás. Bills for this amount cannot be submitted until the stones are utilized in some other tálukás. Bills for this amount will be submitted during the current year.
	Do. on measurement of the Hála Táluka Do. on boundary marks in do Do. on measurement and classification of the	10,909 5 4 23,267 9 2	}	Bills for these amounts cannot be submitted until a temporary or revised settlement is introduced into this taluka.
	Nasirabad Táluka Do. on boundary marks in do Do. on measurement of the Jacobabad Táluka Do, on boundary marks in do Do, on measurement and classification of the	12,449 13 2 36,903 12 3 1,585 9 7 3,471 10 0		Bills for these amounts will be submitted during the current year. Bills for these amounts cannot be submitted until a temporary or revised settlement is introduced into this taluka.
adjusted Advances and Receipts.	Do. on measurement and classification of the Kambar Taluka Do. of boundary marks in do Do. on measurement and classification of the	20,782 5 5 41,510 3 8	}	Of these amounts bills for Rs. 49,412-6-11 have since been sent in; bills for the balance will be submitted during the current year.
nces and	Do. on boundary marks in do Do. on measurement of the Sehwan Taluka	10,077 6 0 10,005 15 2 1,517 4 4	}	Of these amounts bills for Rs. 14,881-15-0 have since been submitted. Bills for the balance will be submitted during the current year.
ed Adva	Do. on boundary marks in do Do. do. in the Hyderabad Táluka Do, on measurement and classification of the	4,292 8 5 1,800 0 0	 	Bills for these amounts cannot be submitted until temporary or revised settlements are introduced into these talukas.
Unadjust	Mehar Táluka Do. on boundary marks in do Do. on measurement of the Sijáwal Táluka of Shikárpur Collectorate	9,226 3 0 34,376 14 11 6,495 6 6		Bills for these amounts will be submitted during the current year. Bills for these amounts cannot be submitted until
Distribution of Un	Do. on boundary marks in do. Do. on measurement and classification of the Tatta Taluka	7,918 11 11 8,064 11 11		a temporary or revised settlement is introduced into this taluka.
Distrib	Do. on boundary marks in do. Do. on measurement of the Sijawal Taluka of the Karachi Collectorate.	9,354 13 5 6,355 4 6)	Bills for these amounts will be submitted during the current year,
	Do. on boundary marks in do Do. on measurement of the Mirpur Batero Tá-luka Do. on boundary marks in do Do. on measurement of the Ghorabari Táluka	2,061 15 1 8,326 9 0 1,475 8 3 1,093 2 4		Bills for these amounts cannot be submitted until temporary settlements are introduced into these tálukás.
	Do. on boundary marks in do Do. on measurement of the Guni Taluka Do. on boundary marks in do	657 13 0 17,760 15 1 12,184 1 2		Of these amounts bills for Rs. 6,017-9-11 will be submitted shortly. Bills for the balance cannot be submitted until a temporary or revised settlement introduced into this tellah
•	Do. on measurement of the Jathi Taluka Do. on boundary marks in do Value of stones in the charge of Mukhtiarkar of Umar-	4,874 15 0 3,892 5 8		ment is introduced into this taluka. Bills for these amounts cannot be submitted until
	Do. do. do. of Shábhandar Advanced to Contractor for stones in the Mirpur Sakro Táluka	2,500 0 0 562 8 0 500 0 0 1,506 6 2	·····	these talukás come under settlement.
• {	Do. do. Superintendent	77 11 2	•	
	Total	3,25,104 5 8		

STATEMENT No. 13.

Statement showing the Names, Salary, Cause of Dismissal, &c., of Members of the Sind Revenue Survey Establishment removed during the year ending 31st October 1882.

Names.	Amount of Salary.	Cause of Dismissal.
		10 Page 12 April 20
None.		
A Company of the Comp		
		. 1

J. W. M. ANDERSON, Lieut.-Colonel, Superintendent, Sind Revenue Survey.

STATEMENT No. 14.

Comparative Statement showing the Revenue Collections prior to the Settlement, and that realized in the year 1881-82 in the undermentioned Tálukas of the Karáchi, Hyderabad and Shikárpur Collectorates.

Collectorate.	Names	of Talukas.	Revenue Collections prior to Settlement.	Revenue Realiza tions under Settle ment in the year 1881-82		
					Rs.	Rs.
	C Dádú			R	58,212	1,55,898
	Sehwan			R	1,03,760	1,93,360
Karáchi	Mánjhand			R	14,249	84,781
	Kotri			R	10,704	22,723
W			Total		1,86,925	4,06,762
						110000
	Kandiáro	•••		R	91,697	1,18,859
	Naushahro	***	***	R	1,25,204	1,80,868
	Moro	***		R	64,022	99,629
	Sakrand	•••	***	R	57,647	1,13,943
Hyderabad	Hála	***		0	70,962	90,855
Tyderabad	Shahdadpur		***	R	79,707	1,54,255
	Tando Alahyar	***		0	84,556	86,103
	Mirpur Khás		***	0	34,130	51,838
	Hyderabad			0	62,141	84,448
	Dero Mohbat	•••		0	48,156	58,314
			Total		7,18,222	10,39,112
	Kakar			T	1,16,838	1,73,583
	Mehar			T	1,03,272	1,38,208
	Nasirabad			ō	1,05,749	1,13,097
	Tigar			T	89,715	1,02,964
	Lárkhána			R	2,18,315	3,47,086
	Labdarya		**	T	* 82,316	1,24,368
	Kambar			Ó	1,73,604	2,11,535
			***	0	46,461	49,905
Shikarpur	Sijáwal	111		0	86,999	70,048
	Rato-dero			0	ALTERNATION OF THE STATE OF THE	68,077
	Shikarpur	***		0	28,825	
	Naushahro Abi	.0	***		75,520	1,19,401
	Rohri	***	•••	R		83,358
	Ghotki	•••		0		1,17,871
	Mirpur			0	77,040	71,990
	Ubauro U Sukkur		•••	O R	58,455 67,386	59,192 1,29,982
			Total		15,30,904	19,80,655
		Grand			24,36,051	34,26,529

J. W. M. ANDERSON, Lieut.-Colonel, Superintendent, Sind Revenue Survey.

Remark.—R signifies tálukas under Revision, T under Temporary, and O under Original Settlement.

REVENUE DEPARTMENT.

FROM

H. N. B. ERSKINE, ESQUIRE,

COMMISSIONER IN SIND;

To

HIS EXCELLENCY THE RIGHT HONOURABLE SIR JAMES FERGUSSON, BART., K.C.M.G. AND C.I.E.,

GOVERNOR AND PRESIDENT IN COUNCIL, BOMBAY.

Commissioner's Office, Camp Karampur, 16th January 1883.

RIGHT HONOURABLE SIR,

I have the honour to submit the Annual Progress Report of the Superintendent, Sind Revenue Survey, for the year 1881-82.

- 2. The department during the year has been under Lieutenant-Colonel J. W. M. Anderson, and the results reported are, I am glad to state, satisfactory.
- 3. During the season ten establishments were in the field against nine in the previous year, and measurements were carried on in eleven tálukás, the measurements in six tálukás being completed during the year. These measurements were with a view to original settlement in seven tálukás, and with a view to revision settlement in four.
- 4. The Superintendent in his 6th paragraph has shown details of the work done by each of the establishments during the year. From this it appears that 1,171,811 acres were measured during the year as compared with 699,585 in the previous year; and though, owing to the large number of young measurers, there is a small decrease as compared with the previous year in the average rate of measurement, I agree with Lieutenant-Colonel Anderson in considering that the amount of work got through is highly creditable.
- 5. In his 8th paragraph Lieutenant-Colonel Anderson has shown the test taken by each Assistant of the measurements, and also the number of fields tested by native testers, and the results recorded are satisfactory "both as regards the amount of test taken and in the result."
- 6. The working season in the field was somewhat shorter than in the previous year, the different establishments having gone into camp on the 1st November and closed work as a rule on the 15th May. Experience has shown, as I explained in my last year's report, that this is late enough to keep out establishments in Sind. The health of both officers and men during the year was, it is satisfactory to note, good.
- 7. There were two establishments employed in classing lands during the year, and the amount of work performed by them was satisfactory; but for the reason given by the Superintendent in his 18th paragraph it is hardly possible to compare the outturn of work with that of the previous year. Full details regarding the work done are given in paragraphs 19 to 21.
 - 8. During the recess all recess work was completed.
- 9. The amount of settlement work completed during the year is given in detail in paragraphs 25, 26 and 27, and it seems needless to repeat those details; but the progress made has been good, and the more I see of the working of the settlement, the more satisfied I become of the wisdom of the course now being followed of introducing temporary settlements for a few years before any attempt is made to introduce a regular settlement with its less elastic system.

10. The cost per acre of survey operations for the year has been very low,—only 3 annas 6 pies,—as compared with 5 annas 10 pies in the previous year.

11. The general results of the year's operations as compared with those of the previous year are as follows:—

Year.	G	ENERAL AREA,	RETURN OF.	Expenditure.	Combined Cost per			
Teal,	Measurement.	Classification.	Settlement Acres.		Acre.			
1881-82	1,171,811	648,691	105,832	Rs. 2,24,147	A. p. 3 6 Without settle			
1880-81	699,585	214,666	N.B.—Temporary settlement rates not included.	1,89,742	1 10 With settlement. 5 10			

12. The following statement shows the result of the work of the year in Sind:—

Control of the Contro	Amount of Settle- ment Jama fixed	Average of past	Increase.			
Táluka.	on Cultivated Lands.	Collections.	Rs.	Percentage.		
	Rs.	Rs.				
Rato-dero	2,73,012 1,01,499 50,000	1,83,618 78,752 40,482	89,394 27,747 9,518	48.6 37.6 23.5		
Total	4,24,511	2,97,852	1,26,659	42.5		

13. The above shows an increase of assessment of Rs. 1,26,659, or 42.5 per cent. on past collections, a large increase due to improvement in canals and protective embankments, and to improved communications, especially the Indus Valley State Railway.

14. From Statement No. 14, appended to the Superintendent's report, it appears that the revenue collections in the thirty tálukás in which settlement operations have been carried on prior to settlement were Rs. 24,36,051, while the revenue realizations under the settlement in the past year were Rs. 34,26,529, showing an increase in revenue amounting to Rs. 9,90,478. As the revised settlement, which gives the best results, has not yet been introduced into eighteen of the tálukás, it is evident that as the settlement progresses a very large increase in revenue may be looked for, provided, that is, the canal and protective embankments are kept in good order. The so-called temporary settlements are likely in my opinion to give equally good results with the revised settlements, and these settlements should be continued in several parts of Sind for a good many years to come as better suited to the circumstances of the tálukás and as less likely to press hardly on the old lease-holders than the revised settlement system might, if at once introduced. Under the temporary settlement system only actual cultivation is considered when assessing lands—a system under certain restrictions better suited to the tastes and habits of the people of Sind than the more elaborate system of fallows in force where the revised settlement system has been introduced.

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

> > H. N. B. ERSKINE.

Commissioner in Sind.

No. 1134 of 1882.

REVENUE DEPARTMENT.

FROM

LIEUTENANT-COLONEL J. W. M. ANDERSON,
SUPERINTENDENT, SIND REVENUE SURVEY;

To

H. N. B. ERSKINE, ESQUIRE,

COMMISSIONER IN SIND.

Superintendent's Office, Camp Jacobabad, 28th December 1882.

SIR,

I have the honour to submit the Annual Progress Report of the Sind Revenue Survey and Settlement Department for the year 1881-82.

- 2. The following are the changes that have occurred amongst the officers during the year:—
 - Mr. L. W. Seymour was appointed to settle camel claims and was absent on this special duty from the 2nd November 1881 to the 14th May 1882.
 - Mr. C. F. Erskine was promoted to Assistant Superintendent on the 27th December 1881.
- Mr. C. E. Biddulph rejoined from three months' Afghan leave on the 28th November 1881.
 - Mr. C. E. Biddulph was absent on leave without pay from the 30th May to the 17th July 1882.
 - Mr. C. E. Biddulph was absent on examination leave to the Presidency from the 27th September to the 6th October 1882.
 - Mr. L. W. Seymour was absent on privilege leave from the 16th September to the 25th October 1882.
- 3. At the close of the year the state of the department as regards officers was as follows:—

Grade.			Present for duty.	On leave.	Total.
Superintendent Assistant Settlement Officer Assistant Superintendents Acting Assistant Superintendent		•••	1 1 11 11	 	1 * 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Tot	tal	14		14

Measurement.

4. Measurements, with a view to original settlement, were carried on in the following talukas:—

 Mirpur Batoro* ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...</

5. Measurements, with a view to revision settlement, were carried on in talukas as follows:—

Hála Hyderabad Collectorate.

Kambar*... Shikárpur Collectorate.

Sijáwal*...

In the tálukás marked (*) the measurements were completed.

6. The following was the work done by the different establishments during the field season:—

		gi,			MEAST	UREMENT.		
Establishment.	Superintending Officers.	Average No. of Measurers.	No. of Villages.	Survey Nos.	No. of Waslas.	Arable Acres.	Undivided land-Acres.	Total Acres.
1	2 ************************************	3	4	5	6	7	8	9
A. B. C. D. E. F. G. H. I. K.	Mr. B. G. Gilbert-Cooper Mr. G. F. Mathieson Mr. W. D. Wilkins Mr. W. A. Boulton Mr. W. J. Wilkins Mr. J. F. Nash Mr. G. Berrie Mr. W. S. Cole Mr. P. Ross Mr. C. C. Warburton	20 161 181 7 15 18 16 161	47 65 53 67 99 118 42 32 51 44	8,819 8,073 7,287 6,384 893 1,716 8,363 6,413 7,781 8,847	55,940 80,648 62,965 54,703 6,242 15,356 77,120 39,895 62,544 45,795	65,325 46,956 47,455 44,132 3,495 4,861 46,327 35,026 47,000 63,759	57,254 168,079 91,537 162,543 722 57,505 74,396 98,705 56,734	122,579 215,035 138,992 206,675 5,583 103,832 109,422 145,705 120,493
	Total	1619	618	64,526	501,208	404,336	767,475	1,171,811
	Previous year	134.7	411	63,878	714,094	337,931	361,654	699,585
	Increase	27	207	648	•••	66,405	405,821	472,226
	Decrease				212,886	hogy in the co		

The work entered to the E. and I. Classing Establishments was done by measurers attached to them.

7. With an average addition of 27 measurers there has been an increase of 648 Survey Nos., 66,405 arable acres, 405,821 acres of undivided land and a decrease of 212,886 waslas. The average outturn per man as compared with that of last year is as follows:—

Area per man measured in 1880-81 ... 473 2,503 2,496

Decrease ... 75 7

The small decrease in the average rate of measurement is owing to the increased proportion of young measurers who naturally cannot turn out the same amount of work as do those more experienced.

8. I consider the general result of the season's measurement, giving a gross increase of 4,72,226 acres over the outturn of the previous year, to be highly satisfactory. I had noticed that the measurers had contracted the habit of making numerous unnecessary waslas merely for the purpose of showing a good return of work, the disadvantages being loss of time and unnecessary expenditure on boundary-marks to demarcate trivial bends in the Survey Nos., and therefore issued instructions which to a great extent account for the diminution of waslas shown in the year's work.

- 9. The 404,336 acres cultivated land was divided into 64,526 Survey Nos., giving an average of a little over 6 acres per No.; this is still larger than I wish the average to be, and I am taking steps to keep down the size of Survey Nos. measured during the current season.
- 10. The following statement shows the test taken of the work entered in paragraph 6 above:—

		TESTED BY ASSISTANTS.			TESTED BY NATIVE TESTERS.			TOTAL TEST.			
Establishment.	Superintending Officers.	Survey Nos.	Acres.	Average Error.	Survey Nos.	Acres.	Average Error.	Survey Nos.	Acres,	Average Error.	Percentage of Measure
1	2	3	4	5	6	7	8	9	10	11	12
A.B.C.D.E.F.G.H.I.K.	Mr. B. G. Gilbert-Cooper Mr. G. F. Mathieson Mr. W. D. Wilkins Mr. W. A. Boulton Mr. W. J. Wilkins Mr. J. F. Nash Mr. G. Berrie Mr. W. S. Cole Mr. P. Ross Mr. C. C. Warburton	691 597 560 504 276 752 522 660 613	5,160 3,638 3,922 3,807 993 5,127 3,282 4,482 4,655	A. g. 0-11 0-20½ 0-24 0-20 0-14 0-19 0-21 0-19 0-19	145 	 806 	A, g 0—24	691 597 560 504 276 145 752 * 522 660 613	5,160 3,638 3,922 3,807 993 806 5,127 3,282 4,482 4,655	A. g. 0-11 0-20½ 0-24 0-20 0-14 0-24 0-19 0-21 0-19 0-19	8 7 8 8 31 8 9 8 8
	Total	5,175	35,066	0-17	145	806	0—24	5,320	35,872	0—19	8

This return is satisfactory, both as regards the amount of test taken and in the result, showing the general accuracy of the work performed.

11. The following statement shows the distribution of days in each establishment:—

			ENTAGE EAR.			PERCI	ENTAGE	of Fr	ELD SE	ASON,		
Establishment.	Officer in Charge.	In field.	In recess,	Measurement.	Boundary-mark inspec- tion.	Measuring boundary disputes, base lines, &c.	Sickness.	Non-co-operation,	Rain.	Travelling.	In-door work,	Leave, holidays, &c.
1	9	3	4	5	6	7	8	9	10	11	12	13
A.B.C.D.E.F.G.H.I.K.	Mr. B. G. Gilbert-Cooper Mr. G. F. Mathieson Mr. W. D. Wilkins Mr. W. A. Bouton Mr. W. J. Wilkins Mr. J. F. Nash Mr. G. Berrie Mr. W. S. Cole Mr. P. Ross Mr. C. C. Warburton	63 54 54 55 55 58 57 55 53 56	37 46 46 45 45 42 43 45 47 44	46 64 51 40 17 8 55 43 57 56	37 12 11 18 21 34 20 29 14 17	9 18 21 18 54 45 13 10 17 15	 1 3 2 3 1 1 6	1 1 2 1 2	1 "i "i 	3 2 11 13 5 3 4 9 5 2	 1 6 4 2 1	4 3 4 1 2 4 3 5 3 3
	Average	56	44	44	21	22	2	1		6	1	3
	Previous year	53	47	49	16	22	`1		1	6	2	3
	Increase *	3			5		1	1			***	
	Decrease		3	5		2.0	17 V		1		1	

12. The measurers attached to the E. and I. Classing Establishments were employed during the greater portion of the season in breaking up Survey Nos.

which had under previous existing orders been made of a size now considered unadvisable for either revision or temporary settlement; this correction gave much trouble and took much time, but it was time and trouble well employed, as comparatively small Nos. are absolutely necessary for the success of the present system.

- 13. There is a slight decrease in the days of measurement, and an increase in those of boundary-mark inspection, which is due to arrears of the latter from last year, which had to be completed in that under report. The travelling days of the C., D. and H. are considerably in excess of those of the other establishments, on account of their having been employed during the first half of the year in Upper Sind and moved to Lower Sind at the commencement of the hot weather; the other differences need no explanation.
- 14. The survey took the field on the 1st November and closed work on the 15th May, a few men remaining out after the latter date to complete work actually in hand; as noted in last year's report these dates appear to be those most suited to the conditions of this province, and are those which I propose to maintain in future.
 - 15. The health of both officers and men during the past season was good.

Classification.

16. During the season under report the Classing Establishments were employed, with the small exception noted in form below, in revising the measurement and collecting information, &c., preparatory to the introduction of temporary settlements into the following talukas:—

Tatta Táluka* Karáchi Collectorate.

Mirpur Batoro Táluka Shikárpur Collectorate.

Rato-dero Táluka* Shikárpur Collectorate.

The work in those marked (*) was completed.

17. The work of the two establishments is shewn below:—

		ssers		C	LASSIFICATI	ON.	1	
Establishment.	Officers in Charge.	Average No. of Classers.	Villages.	Survey Nos.	Arable Acres.	Undivided land-Acres.	Total Acres.	Remarks.
1	2	3	4	5	6	7	8	. 9
E.	Mr. W. J. Wilkins	9	$\left\{\begin{array}{c} \frac{3}{107} \end{array}\right.$	485	2,867	4,466	7,333	The figures underlined were regular classification.
F.	Mr. J. F. Nash	11	120	38,214	178,964	140,146	319,110	The und were classi
	Total	20	230	65,536	306,006	342,685	648,691	•
	Previous year	16	70	22,662	69,291	115,375	214,666	
	Increase	4	160	42,874	236,715	227,310	434,025	

18. The above shows a large increase in every column over the outturn of last year, but the classification work in preparing for temporary and revision settlement differs so much in its nature that the returns of the two years can scarcely fairly be compared.

19. The average work turned out by each classer was as follows:-

Average per man in 1880-81 1,872 ... 5,381 3,277 ... 15,300 ... Increase ... 1,405 9,919

20. The following shows the test taken by Assistants of the work shown in paragraph 17 above:—

	Officers in Charge.		AMOUNT	of Test.		of Classifica- as regards				
Establishment.		Survey Nos.	Acres.	Average Error per Rupee,		age of Cl	REMARKS.			
				Soil.	Water.	Percentage tion Test Nos.				
1	2	8	4	5	6	7	8			
			350	Pie.	Pie.					
E.	Mr. W. J. Wilkins	$\left\{ \frac{92}{5,073} \right\}$	492 24,295	·38 	1.37	} 19	The figures underlined were test of regular classification.			
F.	Mr. J. F. Nash	5,415	31,889			14				
	Total	10,580	56,676			16	A THE STREET			

21. The next statement shows the distribution of days in the Classing Establishments:—

Establishment.	. Officers in Charge.	PERCENTAGE OF YEAR,			PERCENTAGE OF FIELD SEASON.									
					Ė.	daries,		'n,	213			, &c.	REMARKS	
		In field.	In recess.	Classification.	Boundary-mark spection.	Measuring boundaries, &c.	Sickness.	Non-co-operation.	Rain.	Travelling.	In-door work.	Leave, holidays, &c.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
							. 10							
E.	Mr. W. J. Wilkins.	55	45	65	9	13	1		**-	8		4		
F.	Mr. J. F. Nash	58	42	54	17	20	5			2	1	1		
	Average	561	431/2	59½	13	161	3		:::-	5	1/2	$2\frac{1}{2}$		
	Previous year	49	51	451	101	28	41/2	100 151	1/2	41/2	$2\frac{1}{2}$	4		
	Increase	71		14	21/2					1/2				
	Decrease		71/2			111	11		4 2		2	11/2		

The increase in the percentage of time passed in the field during the present year is due to the exceptionally short average field season of 1880-81, the reason of which was explained in last year's report. The increase and decrease in columns 5 and 7 respectively is due to the correction work this season having

to a great extent been carried out by measurers attached to the Classing Establishment, thus enabling the classers as far as practicable to attend to their own special duties; the remaining differences need no explanation.

Recess Work.

- 22. Recess work commenced nominally on the 15th May and closed on the 31st October; but some men were necessarily employed in the field after the first date in completing work in hand, and all had to leave head-quarters some days before the latter date, so as to enable them to start work on the opening day of the field season, November 1st.
- 23. The whole of the recess work of both Measuring and Classing Establishments was completed by the end of the season, and the survey commenced work for the new field season with no arrears.

Settlement.

24. During the year under report revised settlements were introduced into the following talukas:—

Lárkhána Táluka, Shikárpur Collectorate, with effect from the year 1881-82.

Mánjhand Táluka, Karáchi Collectorate, with effect from the year 1882-83.

25. Temporary settlements were proposed and sanctioned for the following tálukás, and the whole of the papers for the same, registers, maps, &c., were furnished to the Mukhtyárkars:—

Kambar Táluka ... Shikárpur Collectorate, with effect from the Rato-dero Táluka ... Shikárpur Collectorate, with effect from the year 1882-83.

Tatta Táluka ... Karáchi Collectorate, with effect from the year 1882-83.

- 26. Proposals for the revision settlement of the Nasirabad Táluka were submitted and received the sanction of Government with effect from the year 1883-84: this settlement was not introduced during the year under report.
- 27. During the year the settlement of the following talukas under provisional settlement was confirmed as shown to each:—

Dádú Táluka, Karáchi Collectorate, for 10 years, from the year 1880-81. Lárkhána Táluka, Shikárpur Collectorate, for 10 years, from the year 1882-83.

Maps and Lithographic Work.

28. During the year the following maps have been issued to the district authorities:—

Maps prepared at the Photozincographic Office, Poona-

Táluka Mánjhand-Maps of 25 villages.

Hand-made maps-

Táluka Kambar—Maps of 105 villages.

, Rato-dero ,, 57

, Tatta ,, 44 ,

Cost of the Survey.

29. The cost of the survey for the year was as follows:-

Sind survey charges ... 1,87,765
Share of expenditure on paid labourers chargeable to
Government 36,382

Total Cost, Rupees ... 2,24,147

30. There is a saving on the sanctioned grant for the year as follows :-

Sanctioned grant 1,94,853

**Deduct Sind Survey charges ... 1,87,765

Saving, Rupees ... 7,088

- 31. The unadjusted balance at the commencement of the year was Rs. 3,67,413-12-7. Bills for Rs. 1,74,719-6-0 were sent in during the course of the year, and at the close the balance against this department, including the advances received during the year (Rs. 1,32,409-15-1), stood at Rs. 3,25,104-5-8.
- 32. Since the close of the year, bills for Rs. 64,294-5-11 have been sent in for adjustment, and I hope during the next month or so to be able to send in bills for Rs. 1,32,863 more. I have used every endeavour during the past year to reduce, as much as possible, the very large outstanding account, to which I succeeded on taking charge of this office, and after submission of the bills last referred to, with a few exceptions of small amounts, only accounts for talukas still in hand will remain; these, as formerly explained, cannot be prepared until the talukas in question are completed.
- 33. The cost per acre for the year is shown below and compared with that of the previous year :—

		1880-81.			1881-82.			
		Rs.	a.	p.	Rs.	a.	p.	
Measurement	 	0	3	9	0	2	7	
Classification	 ***	0	2	1	0	0	11	
		-		-	-	-	-	
Both Operations	 	0	5	10	0	3	6	
		CONTRACTOR	Mayorita	market district	And in case of Females, Spinster, Sp	and the last	MARKET PROPERTY.	

34. In conclusion I beg to bring to notice the names of the following officials and zamindárs who have given efficient aid to this department in the prosecution of the work during the year under report:—

Diván Piniamal, Mukhtyárkar of Lárkhána, during introduction of settlement into that táluka.

Diván Asumal, Mukhtyárkar of Hála	Reported favour-
Gurmukhdás, Mukhtyárkar of Jacobabad]	ably of by As-
Mansharam, Mukhtyárkar of Sehwan j	sistants during
Partabrái, Mukhtyárkar of Jati	progress of mea-
Zamindár Allahbaksh of Lima Junejo in Sijáwal	suring opera-
Sobasing, Amil of Nabibaksh Khand in Sijawal. J	tions.

I have the honour to be,

Sir,

Your most obedient Servant,

J. W. M. ANDERSON, Lieutenant-Colonel, Superintendent, Sind Revenue Survey.

Measurement Progress Statement for the year ending the 31st October 1882, for the Sind Revenue Survey Department,

mont		WHOL	NTAGE (E YEAR HICH EA ABLISHI	FROM	Si	PERCEN'	TAGE D	STRIBU	TION OF TIME EN OF SUI	TERED	VORKING IN COL	g Days	OF THE	VE.	of Measurers employed dur Season.		Carreille Mark		Measuri
hilah	***************************************		EMPLO		Fie	eld Wor	k.		No F	leld W	ork, ow	ing to		-	ars em				
The second secon	Distinguishing Letter of Letaunishing	In the districts.	At head-quarters,	Total,	Ordinary measurement.	Inspecting field boundary marks.	Measurement of boundary disputes, testing, &c.	Sickness.	Villages not co-operating.	Rain.	Moving from one village to another.	In-door work, to complete accounts, maps, &c.	Idle days, leave, Native holidays, &c.	Total.	Average number of Measure ing the Working Season.	Names of Officers who superintended the Native Establishments.	Names of Talukas or other Divisions in which the Establishments were employed.	Villages.	Fields.
	1	2	8	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
A		63	37	100	46.53	36.93	8:74	•21		-60	3.30		8.69	100	17	Mr. B. G. Gilbert-Cooper	Hála	47	8,819
		100					TO LOOK M	ecur (derros					100			Total	47	8,819
В		54	46	100	64	12	18	•	1	:	2	÷	3	100	20	"G. F. Mathleson	Guni Mirpur Batoro	48	6,779 1,294
			ork	707	tin											and one of the second	Total	65	8,073
		54	46	100	-51	11	21	[1		•	11	1	4	100	161	"W. D. Wilkins	Sijáwal, Shikárpur	23 30	5,096 2,141
								100	• (2013)	SPUSSES	ensere		incapped	partir			Total	53	7,237
2		55	45	100	40'45	17*80	18-24	2.83	•97		12-95	5.48	1'28	100	18}	" W. A. Boulton	Kambar	9	1,969 2,227 628
							1983								A CLAR	75 a 35 3441 20	6		1,56
									Off.								Total	67	6,384
		55	45	100	17	21	54			• 1	5		2	100	7	,, W. J. Wilkins	Rato-dero	* 51 41 2 5	45: 40: 20:
						da i				2,13							Total	99	898
		58	42	100	8	34	45	2			3	4	4	100	15	, J. F. Nash	Kambar	118	1,716
																	Total	118	1,716
		57	43	100	55	20	13	8	2		4		3	100	18	"G. Berrie	Guni Mirpur Batoro	41 1	8,278
															•		Total	42	8,368
н		55	45	100	43	29	10	1	1		9	2	5	100	16	" W. S. Cole	Kambar Sehwan	5	2,290 46 2,698
																	Jathi Total	32	6,413
		53	47	100	57	14	17	1	2		43	1	3	100	161	, P. Ross	Guni	45	7,56
									w)							To the state of th	Mirpur Batoro	2	15
										•							Total	-	7,78
ζ.		55.50	44:50	100	55.78	17:20	14.94	5.59	*31	*50	2.45	-84	2.89	100	173	,, C. C. Warburton .	Hálla Mánjhand	42 2	8,48
																	Total	44	8,84
																	Grand T	618	64,52

under the Superintendence of Lieut.-Colonel J. W. M. Anderson, Superintendent, Sind Revenue Survey.

ITS EXEC	UTED BY RA		SHMENT.		1	VUMBER OF	VILLAGES,	FIELDS,	AND ACI	RES SUBMI	TTED TO tES	r		operation per	
las"		unarable			By Eu	ropean Off		By N	ative Te			Total.		e oper	
Trapezia and Triangles "Wasias	Arable Acres.	Undivided arable and un Acres.	Total Acres.	Villages.	Fields.	Acres.	Average difference between original measurement and test per cent.	Fields.	Acres.	Average difference between original measurement and test per cent.	Fields.	Acres.	Average difference between original measurement and test per cent.	Average cost of the whole Acre.	REMARKS
20	21	22	23	24	25	26	27	28	29	30	31	82 .	33	34	35
55,940	65,325	57,254	122,579	47	691	5,160	A. g. 0 11			A. g.	691	5,160	A. g. 0 11	Rs. a. p.	
55,940	65,825	57,254	122,579	47	691	5,160	0 11				691	5,160	* 0 11	0 2 9	
67,731 12,917	41,238 5,718	131,495 36,584	172,733 42,802	46 17	513 84	3,231 407	0 20 0 21	::	•	::	513 84	8,231 407	0 20 0 21	::	
80,648	46,956	168,079	215,035	63	597	3,638	0 201	••			597	3,638	0 201	0 1 10	
43,872 19,093	36,764 10,691	21,090 70,447	57,854 81,138	23 30	381 179	2,874 1,048	0 23 0 26	. ::	::	::	381 179	2,874 1,048	0 23 0 26	::	
62,965	47,455	91,587	138,992	53	560	3,922	0 24		•		560	8,922	0 24	0 2 2	
21,659 13,449 6,438 13,157	16,090 17,016 3,115 7,911	12,778 17,057 18,186 114,527	28,863 34,073 21,801 122,438	9 15 6 86	152 177 47 128	1,393 1,483 253 678	0 20 0 19 0 25 0 22	:	:	• ::	152 177 47 128	1,393 1,483 253 678	0 20 0 19 0 25 0 22	::	
54,703	44,132	162,543	206,675	68	504	3,807	0 20	=	.,		504	3,807	0 20	0 2 1	
3,559 2,519 119 45	1,869 1,493 88 45	:	1,869 1,493 88 45	40 24 	168 108	579 414	0 15 0 13	:	 ::	::	168 108	579 414	0 15 0 13		
6,242	8,495		8,495	64	276	993	0 14			. 1	276	998	0 14	1 15 7	
15,856	4,861	722	5,583	28				145	806	0 24	145	806	0 24		
15,856	4,861	722	5,583	28			••	145	806	0 24	± 145	806	0 24	1 8 4	
76,181 939	45,934 393	54,581 2,924	100,515 3,317	40	745 7	5,098 34	0 19 0 29	::	::	::	745	5,098 84	0 19 0 29	:	
77,120	46,327	57,505	103,832	41	752	5,127	0 19				752	5,127	0 19	0 3 6	
19,876 314 8,736 10,969	11,489 413 15,802 7,822	24,594 19,101 80,701	36,098 418 34,408 38,523	14 5 18	184 4 228 111	1,161 32 1,402 687	0 23 0 28 0 19 0 18	::	:::	::	184 4 223 111	1,161 32 1,402 687	0 23 0 28 0 19 0 18		
39,895	85,026	74,396	109,422	82	522	3,282	0 21				522	3,282	0 21	0 3 2	
60,541 819 1,684	• 45,800 314 886	73,154 23,621 1,930	118,954 23,935 2,816	45 1 3	635 5 20	4,349 20 113	0 19 0 15 0 17	i	::	:	635 5 20	4,349 20 113	0 19 0 15 0 17	::	
62,544	47,000	98,705	145,705	49	660	4,482	0 19				660	4,482	0 19	0 2 2	
48,666 2,129	61,732 2,027	52,961 3,773	114,693 5,800	36 2	595 18	4,568	0 19 0 13		::	:	595 18	4,563 92	0 19 0 13		
45,795	68,759	56,784	120,493	38	613	4,655	0 19				613	4,655	0 19	0 2 4	
,01,208	4,04,385	193475	1,171,811	481	5,175	35,066	0 17	145	806	0 24	5,320	35,872	0 19	0 2 7	

Statement for the Sind Revenue Survey Department, exhibiting the Amount of Discrepancy between the Test and Original Measurements of all the Fields entered in Columns 25 to 33 of Statement No. 1, as tested during the year ending the 31st October 1882.

			100	Num	BER OF F	IELDS IN	wнісн	THE DI	FFEREN	CE PER	CENT, B	ETWEEN	ORIGI	NAL ANI	D TEST	MEASU	REMENT	DIP NO.	EXCEP
of Establishment.	Name of Officers who superintended the Establishment.	Names of Tálukás measured.	Total Number of Fields tested.	1 per cent.	2 per cent.	3 per cent.	4 per cent.	5 per cent.	6 per cent.	7 per cent.	8 per cent.	9 per cent.	10 per cent.	11 per cent.	12 per cent.	13 per cent.	14 per cent.	15 per cent.	23 per cent.
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
•	Mr. B. G. Gilbert-Cooper	Hála	691	689	í	1				••)
		Total	691	689	1	1	•••	•••					•						
•	Mr. G. F. Mathieson {	Guni Mirpur Batoro	0.4	445 75	50 9		3		1										
		Total	597	520	59	14	3		1										
	Mr. W. D. Wilkins	Sijáwal (Shikárpur) Jathi	1701	374 161	4 15	2 3					298 	1		es	:::				
		Total	560	535	19	5		***				1			i				
).	Mr. W. A. Boulton	Kambar Jacobabad Sijáwal (Karáchi) Jathi	177	133 154 35 103	17 18 8 18	2 5 4 7			:::	::	::		::	:::			:::	::	
		Total	. 504	425	61	18													
	Mf. W. J. Wilkins {	Rato-dero Tatta	108	158 106	9 2	1													
		Total	* 276	264	11	1								·					

12

F.	Native Testers	. Kambar		145	127	12	6						***		```			 	•••
		Tota	al	• 145	127	12	6											 	•"
G.	Mr. Berrie	Guni Mirpur Batoro		670	594	60		3						 		***		 	
	Mr. C. E. Biddulph	Guni		75	64	8	2		1			***			,		:	 	
		Tot	al	752	664	69	14	3	2							···f/ke		 	
		Rato-dero		79	73	4	1	1										 	11.00
H.	Mr. W. S. Cole	Kambar Sehwan Jathi		154	3 129 26	17 6	1 4 1	3	1		***			***		:::		 	
	Mr. C. F. Erskine	Rato-dero Sehwan		69	92 66	10 3	2				·							 	
		(Jathi		78	73	4	1		***				•••		***			 	•••
	1	To	tal	522	462	. 44	10	4	1	. ***						<i>,</i>		 	1
L	Mr. P. Ross	Guni Tatta		5 1	489	43	7	3	1							:::		 :::	
		Tatta Mirpur Batoro		00	18	2		***						***				 	
	Mr. C. E. Biddulph	Guni		. 92	82	10	•••						**:	2				 	
		То	tal	660	593	55	. 8	3	1									 	
K.	Mr. C. C. Warburton	Hála		1 18	538 17	47 1	2	3	3	1	 ,	:::		1	:::			 :::	:::
		To	tal	613	555	48	12	3	3	1				1	,			 	
		Grand To	tal	. 5,320	4,834	379	79	16	7	2	,		1	1					1

Field Boundary Mark Statement for the year ending 31st October 1882, for the Measuring Establishments of the Sind Revenue Survey Department, under the Superintendence of Lieutenant-Colonel J. W. M. Anderson, Superintendent, Sind Revenue Survey.

Letter of		Number of Villages of	Number of V B	TILLAGES IN WHICH OUNDARY MARKS	THE FIELD	Number of Villages in which a Further	BOUNDARY M	LLAGES FOR WHICH ARES, RETURNS,	
Distinguishing I Establishment.	Name of Officer who superintended the Establishment.	which the Measurement was completed during the Year.	Were all con- structed and examined within one month of completion of measurement.	Were all con- structed and examined after three mouths but before close of year.	Remained incomplete at the close of year.	Examination of Boundary Marks was made by Officers in Charge of Establishments,	Were furnished to Superintend- ent before close of year.	Remained to be furnished to Superintendent at close of year.	Explanation of Balances in Columns 6 and 9.
1	2	3	4	5	6	7	8	9	10
À	Mr. B. G. Gilbert-Cooper	47		46	- 19	28	28	19	Stones were not procurable to complet the demarcation of villages in column 6 & 9. 18 villages in excess in column are the arrears of last year complete this year.
В	Mr. G. F. Mathieson	65	53	12			83		Arrears of 18 villages of last year of t A. Establishment completed this ye by this establishment.
С	Mr. W. D. Wilkins	51	37	33		16	51		Arrears of last year completed this year The accounts have been prepared the F. Establishment,
E E	Mr. W. A. Boulton Mr. W. J. Wilkins	67 (99)	56 	35	•	19	67		Do. do. All work connected with these village was completed, but as they have ready been shown in last year's work columns 4 to 9 are left blank. The Black figure in column 8 shows the arrears of C., D. & H. Establishmer of last year completed this year this establishment.
F	Mr. J. F. Nash	(118)		*5		- 84	63		*Arrears of last year of H. establishment completed this year by t
G	Mr. G. Berrie	42	13	29		31	42) establishment.
H	Mr. W. S. Cole	32		47		25	32		Out of the 20 villages in arrears of 1 year, 15 completed this year and the maining 5 by the F. Establishment.
I	Mr. P. Ross	50	. 37	22	•••	10	59		Arrears of 9 villages of last year of pleted this year,
K	Mr. C. C. Warburton	44	10	26	8	26	36	8	Stones were not procurable to complethe demarcation of villages in column 6 and 9.
	Total	615	206	255	27	155	461	27	

Letter of				Number of		ILLAGES FOR WE WAS COMPLETE			ORK WAS NOT OAS REGARDS		
ng Le	Name of Officer who superinte	ended the Estab	. M		Examination and Correction	Village	Maps.	Examination	Village	Маря.	Remarks in Explanation of the Causes owing to which the Papers of all the Villages were
Distinguishing Establishment.	issured.			as completed during the Year.	of Field Books and Papers prepar- ed in the Districts.	Examination and correction of rough original,	Preparation or correct fair copies.	and Correction of Field-books and Papers prepared in the District.	Examination and correction of rough original.	Preparation of correct fair copies.	not completed.
1	2			3	4	5	6	7	8	9	10
A B C D E	Mr. B. G. Gilbert-Cooper Mr. G. F. Mathieson Mr. W. D. Wilkins Mr. W. A. Boulton Mr. W. J. Wilkins			47 65 51 67 (99)	47 65 51 67	47 65 51 67	28 65 51 67	*	::: ::: :::	19 	Maps of 19 villages in column 9 cannot be completed until stones are put up in these villages. All work connected with these villages was completed, but as they have all
Classing.	Mr. J. F. Nash Mr. G. Berrie Mr. W. S. Cole Mr. P. Ross Mr. L. W. Seymour	, , , ,	 	(118) 42 82 50 44	42 32 50 44	32 50 44	42 32 50 36			}	was completed, but as they have already been shown in previous year's work, columns 4 to 9 are left blank. Maps of 8 villages in column 9 cannot be completed until stones are put up in these villages.
		Total		615	398	398	871			27	

OF 1 Y	THE TEAR	WHOI FOR EAC	H O	or with	NTAG	1801	C. NA	MEL	T. TI	THE E TI OF S	MEE	NTES	DA LED I	yed durin							. 2	NUMBER CLASS	OF V	TILLAGES, I	FIELDS ANT ESTABLISHI	ACRES,				Nu	ebbrs (OF VILL	AGES,	Fiel	LDS AN	ND ACR	ES SUB	MITTEL	то Т	EST.			eration pe	
M	ENT	WAS		ield	Wor	k.	No	Fiel	d W	ork,	owi	ig to	,	employ															By Eu	ropean	Officer	rs.	В	By N	ative	Tester	rs.			Total.			ole Op	
e districts.	od marters	ad-quariones.		ary classification.	5	utes, testing, &c.	essi.	es not co-operating.		g from one village	or work, to complete	s, maps,	days, &c.	age number of Classes	Working Season	Names of Officers who superintende the Establishmen	d C		ion i	kás unde in Season port.	.88	18.		rable Acres.	Unarable Acres.	J Acres,	Villages	Classification of soil.	sification of ", ter.		Difference Rate Field tween nal ar Class	e per d be- Origi- nd Test sifica- on.	ication	fication of	,	Rate Fiel- tween nal an Class tio	ence of per d be- Origi- d Test ifica- on.	ation of	ation of		Differe Rate Fiel two-n nal an Class	erage ence of te per ld be- n Origi- nd Test ssifica- ion.	e Cost of th	REMAR
In the	At ho		Total.	Ordin	nar	dispo	Sickn	Villages	Rain.	Movie	In-do	Idle day	holi	Aver	the		_				Village	Fields.	4	Aral	Cna	Total	VIIII	Clas	Clas	Acr	Soil.	Water	Class	Classi	Acres.	Soil.	Water	CInssiffe soil.	Class	Acres,	Soil.	Water	Averag Acre.	147.6
2	1	3	4	5	6	7	8	9	10	111	1	2 1	3	14 1	5	16			17		18	19	1	20	21	22 -	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	. 40
•																		kkur injhand			. 1	1 9	99	675 2,192	96 4,370	771 6.562	1 2	19.	2 22 0 70	174 318	-	Pie. 1.09 1.46						1	22 22 70 70		1.5	1.09	Rs. a. r	The B figu wereR lar Cl
															205 273	r. W. J. Wil-	.]]			Total		3 48	15	2,867	4,466	7,333	3		2 92	492	-38	1.27						9	92 92	492	-38	1 27		ficatio
55	5 4	15 1	100	85	9	13	1	.,		8			4 1	00	9	kins	Ta	ito-dero itta Irpur Ba			4	7 16,24 4 9,82 3 76	23	69,142 51,267 3,766	59,488 130,223 8,362	128,630 181,490 12,128	57 44 6)	5,07	3	24,295								5,07	73	24,295				
																				Total	. 10	26,83	37	124,175	198,073	322,248	107	5,07	3	24,295		-					-	5,07	13 .	24,295			1	
																				Establisi	110	27,32	12	127,042	202,539	329,581	110	5,16		24,787								5,16	35	24,787		1	0 0	11
58	3 4	2 1	100	54	17	20	5			2	,		1 1	00 1	1 1	fr. J. F. Nasl	h . Ka	mbar			. 120	88,21	4	178,964	140,146	319,110	118	5,4	5	31,889				1.		.2	1	5,41	15	31,889				
																	To n			Establish	120	38,21	4	178,964	140,146	819,110	118	5,41	5	31,889						•		5,47	15	31,889	9		0 0	10
		Albushik					9												rand	d Total	. 230	65,53	36	306,006	842,685	648,691	228	10,58	10	56,676		-						10,58	80	56,676	8	T.,	0 0	11

J. W. M. ANDERSON, Lieut.-Colonel, Superintendent, Sind Revenue Survey.

Statement of the Sind Revenue Survey Department, exhibiting the Amount of Discrepancy between the Test and Original Classification of all the Fields entered in Columns 24 to 38 of Statement No. 5, as tested during the year ending the 31st October 1882.

			Numbe	er of			NUMI	BER OF	FIELI	S IN W	итсн '	THE DI	FFERE	NCE BE	TWEEN	URIG	INAL A	IND TE	EST CLA	ASSIFIC	ATION	WAS		
Tener	Name of Officer who superintended the Establishment,	Name of Tāluka classified.	Field submit to Te	ds tted	Rs.	a. p. 0 0	Rs. a 0 0 to	1	Rs. 0 to)	Rs. a 0 1	0	Rs. 0 1 to 0 2	7	t	a. p.	Rs. 0 t	a, p. 2 7 0 3 0		a, p. 3 I 50 3 6	1	a. p. 3 7 to 4 0		a. p 4 1 to 4 6
Dishment.		Hart Color	Soil.	Water.	Soil.	Water.	Soil.	Water.	Soil.	Water,	Soil.	Water.	Soil	Water.	Soil,	Water.	Soil.	Water.	Soil,	Water,	Soil,	Water,	Soil,	Water,
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
		Sukkur Mánjhand	2	22 22	21 65	20 65	1 5	ï		2 1				2				ï				:::		
Ĺ,	Mr. W. J. Wilkins	Total .	9	92 92	86	85	6	1		3				2				1			.,.			Ī
		Tatta .		73																				
		Total .	5,0	73											,						1			
	Total of the E. Establishment		5,1	65																				
	Mr. J. F. Nash	Kambar .	5,4	15		1												·						
	Total of the F. Establishment .,		5,4	15																				
	Grand Total		10,5	80																				

The Black figures were test of Regular Classification,

J. W. M. ANDERSON, Lieutenant-Colonel, Superintendent, Sind Revenue Survey. 17

Monsoon Office Work Progress Statement for the year ending the 31st October 1882, for the Classing Establishments of the Sind Revenue Survey Department, under the Superintendence of Lieutenant-Colonel J. W. M. Anderson, Superintendent, Sind Revenue Survey.

		Number of Villages of	Number of Vili Monsoon Or Was com		Number of Vili Monsoon O: was not or	FFICE WORK		
istinguish- ng Letter Establish- ment,	Name of Officer who superintended Establishment.	which the Classification was completed during the Year.	Examination and correction of Field-Books and Papers prepared in the Districts.	Field Registers for the Settlement of the Assessment prepared and examined.	Examination and correction of Field-Books and Papers prepared in the District.	Field Registers for the Settlement of the Assessment prepared and examined.	Remarks in ex which the	xplanation of the causes owing to Papers of all the Villages were not completed.
1	2	3	4	5	6	7		8
E.	Mr. W. J. Wilkins :	110	. 110	110				
F.	Mr. J. F. Nash	118	118	118			*	
	· Total	228	228	228				

J. W. M. ANDERSON, Lieutenant-Colonel, Superintendent, Sind Revenue Survey. -

General Statement showing the Progress made in the Preparation and Distribution of Village Maps, from the commencement of the Survey up to the close of the year ending the 31st October 1882, by the Sind Revenue Survey Department, under the Superintendence of Lieut.-Col. J. W. M. Anderson.

		Number of V	ILLAGESANTO	FOR WHIC	F VILLAGES CH COPIES LAGE MAPS	FOR WHICH NUMBER	THE USUAL OF COPIES	Number of For Which Copies	MOUNTED OF THE	Numi		LAGES FOR V	wнісн	hat to saw by the
COLLECTO- RATE.	NAME OF TA'LUKA.	MENT HAS BEE!	JRVEY SETTLE- N INTRODUCED.	COPIED BY	HAND HAVE	OF THE	VILLAGE AS BEEN	LITHOGRAP HAVE BEEN TO LOCAL	FURNISHED	Lithog	raphed.		and issued al Officers.	Remares.
		Original Settlement.	Revision Settlement.	Original Settle- ment.	Revision Settle- ment,	Original Settle- ment.	Revision Settle- ment,	Original Settle- ment.	Revision Settle- ment.	Original settlement.	Revision settle- ment.	Original settlement.	Revision settle- ment.	
1	2		3		4		5		3		7		8	9
												1.0	100	
-	Kotri	:	. 14				14		14					
	Sehwan		52		4.		52		52					
	Dádu		59				59		59	***			-	
ráchi {	Mánjhand		25				25		25	***				
	Sijáwal	*****	*****			30		***	I	***				! Original settlement has no
	Mirpur	119.77.5						***		***	***			f been introduced into the
(Tatta	Temperary 44			44									tálukas.
(Kandiaro		59				59		59 95					
	Naushahro	******	95		***		95	***	61	***				
	Moro	CONTRACTOR OF STREET	61		-+-		61		90					
	Sakrand	*****	90	***	***	***	90		110			***		
	Shahdadpur Mirpur Khas	95	110				110	35				***		
yderabad	Hála	35 69				35	***	69				8		
yuerabau		57				69	***	57		***				
	Tando Alahyar Hyderabad	52		***		57 52	,	52						
	D 31 11 1	00	*****			62		62		***				
	0	Constitution of the		***	***	96		1		***) Original settlement has no
	D.		*****			88					-			been introduced into thes
1	Badin		******			90								tálukas.
	. D. L.		45				45		45					
	CIL III.	00	The second secon	***	***	98		98						
	Mirpur	01		1	***	83	1	83		***				ar makes to the second of the second
	Ubauro	01		***	***	91		91		***				
	Kakar		Temporary 53	1	53									
e silve e e e	Mehar	March Company Company	53		53					***		***		
	Tigar		48		48							***		
hikarpur.	Lárkhána		Revision 66	***	66		18				48			Maps will be supplied as soo
mkarpur.	Labdarya (in part)	******	Temperary 34		34					***			***	as printed.
	Nasirabad	53	*****	to the recommendation	*44	53	53	1		***	***			a resident above the second
	Kambar	10.00	Temperary 118		118		31	1		***	•••	441	***	Maps of 105 villages supplieduring the year and of 1
	Sijáwal	86				86		86		***	***	***	****	during the year and of l
	Rato-dero		Temporary 57		57	***				***				villages after the close of th
	Shikarpur (in part)	27	******		***	27		27	***	***		***		year.
	Naushahro (in part)	69				69		69	69	•••				
,	Sukkur		69				69		69					
	Total	824	1,108	100	473	1,086	750	729	679	***	48		46	

Statement contrasting the Cost of the Sind Revenue Survey Department under the Superintendence of Lieut.-Colonel J. W. M. Anderson for the year ending the 31st October 1882 with that for the preceding year.

Years.	Commi	charges on of Survey ssioner's e, &c.	Pay of Supe	rintendent,	Pay of Ass Sub-Assista tendents, i Supernu	sistant and nt Superin- nclusive of neraries.	Pay of Esta	blishment.	Contingen for Stat Instrume Stock	nts, Dead	Expenditure of Labor Measurer Classifi	nent and	Total Exp	enditure.	Remarks.
	Rs.	Per cent.	Rs.	Per cent.	Rs.	Per cent.	Rs.	Per cent.	Rs.	Per cent.	Rs.	Per cent.	Rs.	Per cent.	
											\$ 7 m/s				
80-81	. 3,697	2.	15,993	8:4	65,295	34·4	65,257	34.4	7,812	4·1	31,688	16.7	1,89,742	100	
									•				8		
81-82	• ••		19,159	8.5	84,000	37 ·5	76,104	34.0	8,502	3.8	36,382	16.2	2,24,147	100	
		6.6									157	in the street			

General Statement showing the Cost of the Sind Revenue Survey Department under the Superintendence of Lieutenant-Colonel J. W. M. Anderson, from the commencement of Operations until the close of the year ending 31st October 1882.

	Т	OTAL AREA, ARA	BLE AND UNARABI	LE.			* * * * * * * * * * * * * * * * * * * *	
Years.	Measured.		Classified.		Cost of both Operations per Acre.	Total Cost of Survey.	Remarks.	
	Acres.	Cost per Acre.	Acres.	Cost per Acre.	100			
1	2	3	4	5	6	7	8	
		* Rs. a. p.		Rs. a. p.	Rs. a. p.			
tal of previous years from 1862-63 to 1873-74	13,079,541	0 1 6	6,157,597	0 1 6	0 3 0	1,791,269		
1874-75			226,010	0 0 9	0 4 9	148,828	The cost is inclusive of charges for labourers.	
1875-76 1876-77	F00 4F0		394,528 698,236	0 0 6 0 9	0 2 11 0 2 10	141,877 144,257	The cost is inclusive of charges for labourers and boundary marks.	
	371,445		549,967	0 0 5	0 5 11	151,867	and boundary marks.	
1877-78	166 716	0 3 6	449,026	0 0 4	0 3 10	121,068		
1878-79		0 0 11				159 000		
1070 70	FIFAIR		522,775 214,666	0 0 11 0 2 1	0 4 9 0 5 10	153,833 189,742	The cost is inclusive of charges for labourers.	

No. 11.

General Statement of Progress made in the Survey and Assessment of the several Tálukas of the Karáchi, Hyderabad, and Shikárpur Collectorates, by the Sind Revenue Survey Department, from the commencement of Operations up to the close of the year ending 31st October 1882.

orates.	Names of Tálukas or other			PROGRESS OF SURVEY UP TO								
Collectorates,	Divisions.			Measurement.		Classification.		Assessment,				
	100 May	1000										
1	T			200	Revision	complete		Revision com	nlete		Revision *	complete
- 11	Kotri Sehwan	*	***		THE RESERVE OF THE PARTY NAMED IN							
	Dádú			***)¹	"))))))))			3)))	"
. 1	Mánjhand		***		"	"		12 21			,,	,,
CH	Tatta	***			,,	11		Temporary ,,			Temporary	
RA	Ghorabari				Original	**	***					•••••
KARA CHI.	Sákro	***			· · · · ·	11		*****				*****
T !		***	***	***	Revision	"		Temporary in				
	Mirpur Batoro			***	- 31	in hand				***		
	Jathi Sháhbandar	***		•••	Original	complete						
	Shalibandar	•••				complete			the Alberta	100 10	no establish	
ſ	Kandiáro				Revision	complete		Revision com	plete		Revision co	emplete.
-	Naushahro		***		- 10	,,		31 31	,		17	,,
HYDERABAD.	Moro	***			,,	33		, n	,	•••	,,	"
	Sakrand	***	4		"	"		21 11		***	"	11
	Shahdádpur Hála	***	•••	•••	23	in hand		Original ,		•••	Omiginal	31
RAI	Hála Mirpur Khás		· · · · ·	•••	Original	complete	partition			•••		· 23
Ed	Hyderabad		and the second		n,	n		,, 1: 1, 1:			,,,	"
H	Tando Alahya				11	"		,, ,			"	"
	Dero Mohbat	***	***		,,,	"		', ,			,,	41
*	Guni,	***	***		Revision		***	*****			K M	*****
	Bágo	•••	***		Original	complete	***	••••				*****
1	Badin	•••	•••	•••	37	"			•			
T	Sukkur				Revision	complete		Revision c	omplet	0	Revision	1.4
	Kakar							Temporary	"		Temporary	complete.
	Mehar				97 97	, 31 31		,,	17	•••	",	
	Tigar	***		***	• • • • • • • • • • • • • • • • • • • •	3)	•••	Revision	"		11	23
1	Nasirabad	•••	7.000	***	,,,	,,,		_ "	33	**	Original	*,,
8	Kambar			**	11	11	***	Temporary	1)	•••	Temporary	' ''
SHIKA RPUR.	Lárkhána	•••	1900	•••	- 37	93	•••	Revision		•••	Revision	· 11
A'R	Labdarya Rato-dero	•••		•••	Parental Section	"	•••	Temporary	"	***	Temporary	,,,
H	Sijáwal			***	"	"		Original	"	***	Original *	11
Si	Naushahro Ab	ro			Original	complete		n	"		Original 3	rd "
	Shikarpur				The second second	" •			"		,, ⁹ / ₅	ACCUSED TO HERE WAS IN THE WORLD BY A SECOND
	Rohri	***			Revision	"		Revision	77		Revision))))
	Ghotki	***	***	•••	Original	33	•••	Original	"	***	Original	9,
1	Mirpur	***	•••	•••	,,,	"	•••	,,	,,	•••	33	33
l	Ubauro			••		"		"	,,	•	"	
- ſ									e de la companya			
DISTRICTS.	Jacobabad	•••		**	Revision	in hand					0	*****
H	Thul	•••				partly in h						
SIC	Kashmor	•••		••	33	"			•			· · · · · ·
" (
. (Sánghar				Original	complete					100	
	Khipra				,,	33 33						
AR	Umarkot	***		••	19	.,	•••				Des la	
RK	Cháchra	***				*****						
PA'REAR.	Mitti							****				
	Dipla Nagar			•					•			
THE REAL PROPERTY AND ADDRESS OF	Nagar	***		**	The state of the s	*****		•••••		A TOTAL CONTRACTOR OF THE PARTY		

No. 12.

Balance Sheet showing the Amount and Particulars of Unadjusted Advances as the same stood on the 31st October 1882, for the Sind Revenue Survey Department, under the Superintendence of Lieutenant-Colonel J. W. M. Anderson, Superintendent, Sind Revenue Survey.

s and ts.		BAL	ANCE.			
A dvances Receipts	Account.	Remaining at Debit.	Remaining at Credit.	REMARKS.		
Unadjusted.	Collector of Karáchi	Rs. a. p. 60,295 4 4 75,532 7 10 1,89,276 9 6	Rs. a. p.			
_	Total	3,25,104 5 8		t i the state of the state o		
*	Expended on measurement and classification of the Manjhand Taluka Do. on boundary marks in do Do. do. in the Badin Taluka Do. do. in the Naushahro Abro Taluka Do. do. inthe Shikarpur Taluka	204 4 1 611 3 9 3,521 0 9 1,000 0 0 1,000 0 0	}	Bills for these amounts will be submitted during the current year. Bills for these amounts cannot be submitted untitemporary or revised settlements are introduced into these talukas.		
	Stones in the charge of the Mukhtiárkar of Kakar Expended on boundary marks in the Shahdádpur Tá- luka Do. on measurement of the Hála Táluka	587 5 6 341 1 0 10,909 5 4		Bills for this amount cannot be submitted until the stones are utilized in some other talukas. Bills for this amount will be submitted during the current year.		
1	Do. on boundary marks in do Do. on measurement and classification of the	23,267 9 2	}	Bills for these amounts cannot be submitted unti- a temporary or revised settlement is introduced into this taluka.		
	Do. on boundary marks in do Do. on measurement of the Jacobabad Táluka Do. on boundary marks in do Do. on measurement and classification of the	12,449 13 2 36,903 12 3 1,585 9 7 3,471 10 0		Bills for these amounts will be submitted during the current year. Bills for these amounts cannot be submitted until a temporary or revised settlement is introduced into this taluka.		
Receipts.	Do. on measurement and classification of the Kambar Taluka Do. on boundary marks in do Do. on measurement and classification of the	20,782 5 5 41,510 3 8	}	Of these amounts bills for Rs. 49,412-6-11 have since been sent in; bills for the balance will be submitted during the current year.		
ces and]	Do. on boundary marks in do	$ \begin{array}{ccccccccccccccccccccccccccccccccccc$	}	Of these amounts bills for Rs. 14,881-15-0 hav since been submitted. Bills for the balance wi be submitted during the current year.		
djusted Advances and Receipts.	Do. on boundary marks in do Do. do. in the Hyderabad Táluka	4,292 8 5 1,800 0 0	}	Bills for these amounts cannot be submitted unt temporary or revised settlements are introduce into these talukas.		
nadjuste	Do. on measurement and classification of the Mehar Táluka Do. on boundary marks in do Do. on measurement of the Sijáwal Táluka of	9,226 3 0 34,376 14 11	}	Bills for these amounts will be submitted during the current year.		
Distribution of Una	Shikarpur Collectorate Do. on boundary marks in do, Do. on measurement and classification of the	6,495, 6 6 7,918 11 11		Bills for these amounts cannot be submitted unt a temporary or revised settlement is introduce into this taluka.		
istributi	Do, on boundary marks in do.	8,064 11 11 9,354 13 5		Bills for these amounts will be submitted durin the current year.		
	Do. on measurement of the Sijáwal Táluka of the Karáchi Collectorate. Do. on boundary marks in do. Do. on measurement of the Mirpur Batoro Táluka	6,355 4 6 2,061 15 1		Bills for these amounts cannot be submitted unt		
	Do. on boundary marks in do Do. on measurement of the Ghorabari Táluka Do. on boundary marks in do Do. on measurement of the Guni Táluka Do. on boundary marks in do	1,475 8 3 1,093 2 4 657 13 0 17,760 15 1 12,184 1 2		temporary settlements are introduced into the talukas. Of these amounts bills for Rs. 6,017-9-11 will I submitted shortly. Bills for the balance cannot be submitted shortly.		
	Do. on measurement of the Jathi Táluka	4,874 15 0	1	be submitted until a temporary or revised settl ment is introduced into this taluka:		
	D8. on boundary marks in do. Value of stones in the charge of Mukhtiárkar of Umarkot Do. do. do. of Shábbandar	3,892 5 8 2,500 0 0 562 8 0		Bills for these amounts cannot be submitted until these talukas come under settlement.		
	Advanced to Contractor for stones in the Mirpur Sakro Táluka Cash in hand with Assistants	500 0 0 1,506 6 2 77 11 2	J			
	Total	3,25,104 5 8				

STATEMENT No. 13.

Statement showing the Names, Salary, Cause of Dismissal, &c., of Members of the Sind Revenue Survey Establishment removed during the year ending 31st October 1882.

Names.	Amount of Salary.	Cause of Dismissal.
None.		

STATEMENT No. 14.

Comparative Statement showing the Revenue Collections prior to the Settlement, and that realized in the year 1881-82 in the undermentioned Tálukas of the Karáchi, Hyderabad and Shikárpur Collectorates.

Collectorate.	Names of Tá	lukas.	Revenue Collections prior to Settlement,	Revenue Realiza- tions under Settle ment in the year 1881-82	
			Rs.	Rs.	
	C Dádú		R 58.212	1,55,898	
F(-):	Sehwan		R 1,03,760	1,93,360	
Karáchi	Mánjhand		R 14,249	34,781	
	Kotri		R 10,704	22,723	
		Total .	. 1,86,925 /	4,06,762	
	Kandiáro		R 91,697	1,18,859	
	Naushahro		R 1,25,204	1,80,868	
	Moro		R 64,022	99,629	
	Colemand		R 57,647	1,13,943	
	TI/In		70,962	90,855	
Hyderabad	Shahdadann		R 79,707	1,54,255	
	The Ja Alebana		84,556	86,103	
	Minney Whan		34,130	51,838	
是自然是其他是在特色的	TT 1 - 1 - 1		62,141	84,448	
, -	Dero Mohbat		0 48,156	58,314	
		Total .	7,18,222	10,89,112	
	Kakar		T 1,16,838	1,73,583	
	Mehar	***	T 1,03,272	1,38,208	
	Nasirabad		0 1,05,749	1,13,097	
•	Tigar	STREET,	T 89,715	1,02,964	
A CONTRACTOR	Lárkhána		R 2,18,315	3,47,086	
	Lobdowe		T 82,316	1,24,363	
	Kambar		0 1,73,604	2,11,535	
	Sijáwal		0 46,461	49,905	
Shikarpur	Rato-dero		0 86,999	70,043	
	Shikarpur		0 28,825	68,077	
	Naushahro Abro		O 75,520	1,19,401	
	Rohri		R 62,933	83,358	
	Clastic:		O 1,37,476	1,17,871	
			0 77,040	71,990	
	Mirpur		O 58,455	59,192	
	Ubauro		R 67,386	1,29,982	
		Total .	15,30,904	19,80,655	
	G	rand Total .	24,36,051	34,26,529	

J. W. M. ANDERSON, Lieut.-Colonel, Superintendent, Sind Revenue Survey.

Remark.—R signifies tálukas under Revision, T under Temporary, and O under Original Settlement.