

REPORT  
ON  
SETTLEMENT · OPERATIONS  
IN THE  
PUNAB

*For the year ending the 30th September 1907.*

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Published by Authority.

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1908.

*1898*

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PUNJAB SETTLEMENT OPERATIONS  
REPORT FOR THE YEAR 1907.

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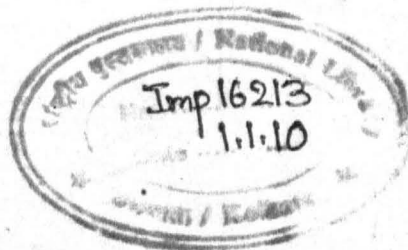
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NO. 38 (Rev. & Agri.—Rev.).

FROM

W. M. HAILEY, ESQUIRE,

*Secretary to Government,  
Punjab and its Dependencies,*

TO

THE SENIOR SECRETARY TO THE FINANCIAL COM-  
MISSIONER, PUNJAB.

*Dated Lahore, 20th February 1908.*

Revenue and Agriculture.

Revenue.

SIR,

I AM directed to acknowledge the receipt of your letter No. 18, dated the 9th January 1908, with which you forwarded the annual report on the settlement operations for the year ending 30th September 1907, and in reply to convey the following remarks of the Lieutenant-Governor.

2. As Mr. Wilson has noted, the conclusion of the operations in Hazara completes the settlement work in the North-West Frontier Province, for which the Punjab Settlement Department was responsible. The Rawalpindi and Hafizabad settlements have also been brought to a close in the past year. Their duration has been practically 5 years in each case; in the case of Hazara the period was considerably longer. Final orders have been passed on the assessment report of the Mianwali and Isa Khel tahsils, and satisfactory progress has been made in the remaining settlements.

3. The Lieutenant-Governor is glad to hear that the Financial Commissioner considers it possible to reduce the work of revising the map and record in future settlements owing to the accuracy of the existing map, and he will be interested to learn the effect of the instructions referred to in the 10th paragraph of your letter.

I have, &c.,

W. M. HAILEY,

*Secretary to Government, Punjab.*



No. 4359.

SETTLEMENT COMMISSIONER'S OFFICE:

Dated LAHORE, 14th November 1907.

FROM

A. H. DIACK, ESQUIRE,

*Settlement Commissioner, Punjab,*

TO

E. R. ABBOTT, ESQUIRE,

*Senior Secretary, to Financial Commissioner, Punjab.*

SIR,

I have the honour to submit the report on settlement work done during the year ending with September 1907. Mr. Douie, who continued to hold the office of Settlement Commissioner during the greater part of the year, has contributed the portions dealing with the Hafizabad, Karnal, and Delhi settlements and with the rectangular survey of the tract commanded by the Upper Chenab Canal.

2. The work of the Hafizabad settlement was finished during the year, and most of Mr. Lal's time has been given to the rectangular survey of the tract to be served by the Upper Chenab Canal. Little need be added to what was said of the Settlement in last year's report. It has cost 2½ lakhs and the annual increase of revenue has been put at nearly 2½ lakhs. But for the reason given last year this estimate may not be fully realized. Mr. Lal's work has been thorough, and his assessment proposals have always been worked out with ability and marked by common sense.

3. The rectangular survey in Sialkot and Gujranwala, which covers an area of 1,335 square miles, was begun in December 1906. Notwithstanding the hindrance due to plague seven-eighths of it were finished by the close of the year. Captain E. Tandy, R. E., while in charge of No. 18 Survey Party, was good enough to supply the Settlement Officer with traverse data and to devise a method of utilizing them, which has, I believe, secured a high degree of accuracy in the work of the patwaris. Proposals have been submitted for carrying out a survey on the same lines in the area to be commanded by the canal in the Lahore District. Similar work will then have to be done over the area to be served by the Lower Bari Doab Canal. For a large part of this area traverse data were wholly lacking. Captain E. Tandy, R. E., prepared a plan for traverse points on which our rectangles could be built up in a very convenient way, and which will be a most valuable guarantee of their accuracy. These are now being laid down, and the settlement budget grant is only being debited with the cost of setting up the permanent marks. This is not the only case in which the Punjab Settlement Department is much indebted to Captain E. Tandy for his readiness to help by supplying it with the means of raising the standard of its survey work.

4. As was anticipated last year the Rawalpindi Settlement was brought to a conclusion during the year under report, and Mr. Kitchen, the Settlement Officer, was able to go on leave at the end of April after completing the distribution of the new assessment, which was collected with effect from the kharif harvest of 1906. The result of the settlement was an increase of Rs. 1,69,752 in the demand for the district, raising it to Rs. 9,85,710,

Rawalpindi and Attock.

as compared with the forecast of Rs. 10,42,000. The cost of the settlement will be covered in less than four years by the enhancement obtained. Mr. Dunnett, the Assistant Settlement Officer, remained in charge of the settlement after Mr. Kitchin's departure until the end of the year, and prepared the gazetteers of the Rawalpindi and Attock Districts, which have been sent to the press.

5. In the two tahsils under settlement in the Mianwali District field measurements were completed in the Mianwali. previous year, but final attestation remained to be done in about half the villages. This work has now been brought to a close, and the assessment report for the two tahsils (Mianwali and Isakhel) was submitted by the Settlement Officer, Pandit Hari Kishan Kaul, and reviewed by Mr. Douie, during the year. The estimate of the duration of settlement operations in these two tahsils was three years, but the work has now been in progress for four years and is likely to last another half year, as the assessment when sanctioned has to be distributed and incorporated in the rent roll. The cost, originally estimated at Rs. 1,93,248, is consequently now put at Rs. 2,95,000, but this includes the cost of some measurement work which it has been found necessary to undertake in the Bhakkar Tahsil.

6. Measurement work in the Gurgaon District was practically completed during the year, and good progress was made with the revision of records based on the new measurements. With the assistance of the two extra Tahsildars, who were appointed in the preceding year, final attestation has been brought up to date throughout the district. The orders of Government on the assessment report of the Rewari Tahsil were received in August, and the distribution of the assessment in that tahsil was immediately undertaken. Mr. Douie received and reviewed the assessment report for the Palwal Tahsil towards the close of the year, and the reports for the Ferozpur and Nuh Tahsils are now in the press. The Settlement Officer, Mr. Gibson, hopes to submit the remaining assessment report, that of the Gurgaon Tahsil, in the spring of next year, and estimates that it will be a year from then before the settlement can be wound up, making a total duration of 5½ years. In view of the size of the district and the fact that the Settlement Officer originally appointed was compelled by illness to leave the district, this cannot be considered excessive.

7. The settlement of Karnal is the largest and most difficult of those now in progress. During the year the maps of 504 villages have been finished, bringing the total up to 1,276, but a great deal of final attestation remains to be done. Last cold weather a more rapid method of correcting maps, which is suitable for estates in which comparatively few changes have taken place since the previous settlement, was introduced. The saving of time and of trouble to the people is very great. It is hoped that in Gurdaspur it will be possible to use this plan on a large scale. If our quadrennial records of rights were really complete and up to date, revision of records at settlement might drop out of the programme. How far this is from being the case sometimes may be judged from the following extract from Mr. Stow's report:—

"The records, especially in the Panipat Tahsil, were full of holdings nominally shared but practically separate. To show on the record what has been the practice almost for generations has been a work necessitating considerable attention on the part of the kanungos and the Naib Tahsildars. \* \* \* \* \* The new records will be much clearer and truer to fact than the jamabandi it will supersede.

The elucidation of rent in the Panipat Tahsil has been a matter requiring considerable care. Some forms of rent have never found a place in the record before, though they have been regularly used by the people for years".

There have also been many new partition cases. I fear it is still the case that large and intricate partitions are rarely carried out in a satisfactory way except at settlement. The assessment report of the Karnal Tahsil has been reviewed by the Settlement Commissioner since the close of the year.

8. During the year under report very satisfactory progress was made in the remeasurement of the Rohtak District, and the Settlement Officer, Mr. Joseph, anticipates that this work will be brought to a close in the summer



of 1908. Final attestation has kept pace fairly with measurements. The assessment report of the Gohána Tahsil was submitted during the year, and has been reviewed by Mr. Douie and submitted to the Financial Commissioner.

9. The Delhi District is one of the smallest in the Punjab, and Captain Beadon hopes to complete its settlement in a shorter time and with a much less expenditure of money than were provided for in the forecast report. He had more experience of settlement work when he joined in October 1906, than most Settlement Officers have when they begin work, and he is a good organiser. Excellent progress has been made and the maps of half of the estates have already been finished. But the final attestation of the new record has lagged far behind, which shows how necessary it was to provide for the employment of two extra Tahsildars during the second year of the settlement. The preliminary report on soils, assessment circles, and prices was submitted in July, and a scheme for the disposal of the Delhi Crown lands was sent in and forwarded by the Financial Commissioner to Government during the year.

10. This was the first year of settlement operations in the Hissar District. The difficulty of getting measurement work into full swing was greater here than in other new settlements owing to the fact that in the greater part of the district squares are not being laid, but a series of traverse points are being made use of instead, which were laid down by the Survey Department at the time of the last settlement of the district. Consequently little more than a tenth of the total area to be covered was measured during the year, but the Settlement Officer, Mr. Townsend, reports that the establishment have now learned the system on which they are required to work and are proceeding at a fair rate. The maps of 133 out of 683 villages were finished during the year, and due attention is being paid to the pushing on of final attestation simultaneously with measurements.

11. The future programme of settlement operations was revised during the year. The forecast report for the Gurdaspur District, the settlement of which began in October 1907, was dealt with in the previous year. The next district to come under settlement according to the programme is Shahpur, and the Deputy Commissioner of that district has been instructed to frame a forecast of the probable financial results of re-assessment.

I have, &c.,

A. H. DIACK,

*Settlement Commissioner, Punjab.*



No. 18.

FINANCIAL COMMISSIONER'S OFFICE,

Dated LAHORE, the 9th January 1908.

FROM

E. R. ABBOTT, ESQUIRE,

*Senior Secretary to Financial Commissioner, Punjab,*

TO

THE HON'BLE MR. E. D. MACLAGAN,

*Chief Secretary to Government, Punjab.*

SIR,

I am directed to forward a letter from the Settlement Commissioner, Punjab, No. 4359, dated 14th November 1907 (with a map in illustration), being the annual report on settlement work in the Punjab for the year ending September 30th, 1907, and to convey the following remarks of the Financial Commissioner.

2. In paragraph 9 of the previous year's report, Mr. Douie anticipated that the settlement of Hazara District would be completed by the end of March 1907. No reference to this subject is made in the present report, but the Financial Commissioner understands that Mr. Douie's anticipations were realised. This completes the work in the North-West Frontier Province for which the Settlement Commissioner of the Punjab remained responsible after the separation of the Provinces.

3. The circumstances in which the Hafizabad settlement has lasted for the long period of five years were explained by Mr. Douie in paragraph 3 of his report for 1905-06, and in the correspondence upon which the Government of India sanctioned the continuance of Mr. Lal's appointment up to June 30th, 1907. The profitable results of this settlement are apparent from paragraph 2 of the present report, and the Financial Commissioner thoroughly endorses Mr. Douie's appreciation of Mr. Lal's work.

4. The duration of the settlement of the tahsils of Mianwali and Isakhel is now estimated at  $4\frac{1}{2}$  years against an original estimate of 3 years. The cause of the prolongation of the operations is not stated in the present report, but the Financial Commissioner understands that it is partly due to the necessity which has arisen for the revision of the internal distribution of the revenue in the Bhakkar and Leiah Tahsils of the Mianwali District and for the correction of the maps in the latter tahsil. Advantage has been taken of the presence of a settlement staff in the district and sanction has been accorded by the Government of India to the continuance of Pandit Hari Kishan Kaul's appointment until March 1908. The orders of Government on the only assessment report which has to be submitted for this settlement have been received and there should be no difficulty in bringing the settlement to a close by the end of March.

5. Reference was made in paragraph 5 of the Financial Commissioner's review for 1905-06 to the delay which had occurred in attestation in two of the Gurgaon Tahsils. From the special report which was submitted in explanation of the delay it was clear that the Tahsildars concerned had done

all that could be reasonably expected of them and that the delay was unavoidable. It is satisfactory to find that attestation is now up to date and that the revision of the records is well in hand. Although the settlement has been in operation for four years, three out of the five assessment reports which are due have still to be received by the Financial Commissioner, and considering the amount of work which will fall on the Settlement Officer when he receives orders on the three reports which have been submitted by him it is not likely that Mr. Gibson will be able to complete the remaining report for some months to come. The Financial Commissioner, therefore, accepts the estimate that the settlement cannot be wound up until March 1909 and is inclined to think that the Settlement Officer himself may require to be retained even longer, although almost the whole of his staff may be dispensed with by that date.

6. The delay in the progress of work in Hissar is ascribed by the Settlement Commissioner to the unfamiliarity of the settlement staff with the special system of measurement which has been adopted in this district. The *chandabandi* system as it is called had been employed at the previous settlement of Hissar and in proposing to adhere to it during the present measurements the Settlement Officer reported that a small saving of time would thereby be obtained. It is to be hoped that the increased familiarity with the system which the staff has now acquired will still permit of this expectation being realised.

7. No remarks are necessary on the reports for Rawalpindi (the settlement of which district was completed during the year), Rohtak and Delhi. The orders passed by the Settlement Commissioner on the preliminary report submitted by the Settlement Officer, Delhi, have received Financial Commissioner's approval and the orders of Government have been obtained as to the disposal of the Delhi Crown lands.

8. The progress made by Mr. I. C. Lal with the rectangular survey in Sialkot and Gujranwala is satisfactory, and as the proposals to carry out a similar survey in Lahore and Montgomery Districts have lately been sanctioned by Government the staff employed has been taken on to the additional work without a breach of continuity. The Financial Commissioner is glad to endorse the Settlement Commissioner's appreciation of the services rendered by Captain E. Tandy in connection with this survey.

9. The Settlement Commissioner's proposals for the assimilation of the occupiers' rates levied in old and new estates on the Lower Chenab Canal and for their differentiation in good and poor estates will be submitted to Government in connection with the assessment report of the Upper Jhang Branch Circle of the Lower Chenab Canal which has recently been received from the Settlement Commissioner. The proposal to enhance the occupiers' rates on the Western Jumna Canal was disposed of during the year. A draft of the revised schedule of occupiers' rates on the Agra Canal in the Delhi and Gurgaon Districts which was required to make the rates suitable to the local *bigha* has been sanctioned.

10. Mr. Wilson has lately marched through four districts of the Delhi Division in which settlement operations are in progress, and is glad to find that the map and record of rights have been revised with great care and accuracy, and that the villagers have no complaints to make regarding the trouble caused them by the revision, which they recognise as being necessary to give them a satisfactory record of their rights in the land. He thinks, however, that in districts in which the original map of last settlement was so accurate, it would have been possible to bring it and the record up to date with much less work in the field and in the office than has actually been undertaken, and he finds that the Settlement Officers themselves are now generally of this opinion. He has, therefore, in consultation with them and the Settlement Commissioner, issued instructions with the object of shortening the work remaining to be done in those districts and thus of reducing the amount of attendance on the settlement officials required of the right holders; and proposes to utilize the experience gained in these settlements to lessen the labour involved in the revision of the map and record in other districts now coming



under settlement, mainly by reducing the amount of rechaining of field boundaries and of recalculation of field areas, while still devoting special attention to the accurate record of the rights in holdings of owners and tenants. While this change of system, which is already being acted on in the Delhi District, is likely to lead to a considerable reduction in the amount of time spent on the revision of the map and record, and therefore in the cost of settlement operations and in the worry they cause to the people, the Financial Commissioner is convinced that the assessment part of a Settlement Officer's duties cannot be satisfactorily finished in a shorter time than is at present ordinarily allowed him, and that no substantial reduction can be looked for in the period of a Settlement Officer's own deputation.

I have, &c.,

E. R. ABBOTT,  
*Senior Secretary to Financial Commissioner, Punjab.*



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# STATEMENTS.

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# STATEMENT No. I.

SHOWING PROGRESS MADE IN RE-MEASUREMENT AND ATTESTATION DURING THE YEAR ENDING 30th SEPTEMBER 1907.

1	2	3	4	5	6	7	8	9	10	11
	Hafizabad, June 1902.	Rawalpindi, October 1902.	Mianwali and Isakhel Tahsils, October 1903.	Gurgaon, October 1903.	Karnal, October 1904.	Rohtak, October 1905.	Hissar, October 1906.	Delhi, October 1906.	Grand Total.	REMARKS.
Total number of villages under settlement ... ..	528	1,509	196	1,263	1,440	517	683	822	6,958	
Total area under settlement, acres ... ..	887,716	2,823,616	1,382,990	1,234,790	2,010,814	1,154,164	2,262,518	819,796	12,576,404	
AREA RE-MEASURED IN ACRES.	In previous years ... ..	887,716	2,823,616	1,382,990	960,604	1,158,759	128,068	...	7,341,753	
	During the year ... ..	...	...	...	274,186	795,308	593,771	203,397	325,516	2,192,178
	Total to date ... ..	887,716	2,823,616	1,382,990	1,234,790	1,954,067	721,839	203,397	325,516	9,533,931
VILLAGES OF WHICH THE MAPS HAVE BEEN COMPLETED.	In previous years ... ..	528	1,509	180	1,179	772	55	...	4,223	
	During the year ... ..	...	...	16	68	504	233	133	411	1,365
	Total to date ... ..	528	1,509	196	1,247	1,276	288	133	411	5,588
VILLAGES OF WHICH THE RECORDS HAVE BEEN COMPLETED AND FINALLY ATTESTED.	In previous years ... ..	507	1,509	122	757	345	16	...	3,256	
	During the year ... ..	21	...	74	347	421	150	48	47	1,108
	Total to date ... ..	528	1,509	196	1,104	766	166	48	47	4,364



## STATEMENT No. II.

SHOWING PROGRESS MADE IN RE-MEASUREMENT DURING THE YEAR ENDING 30TH SEPTEMBER 1907.

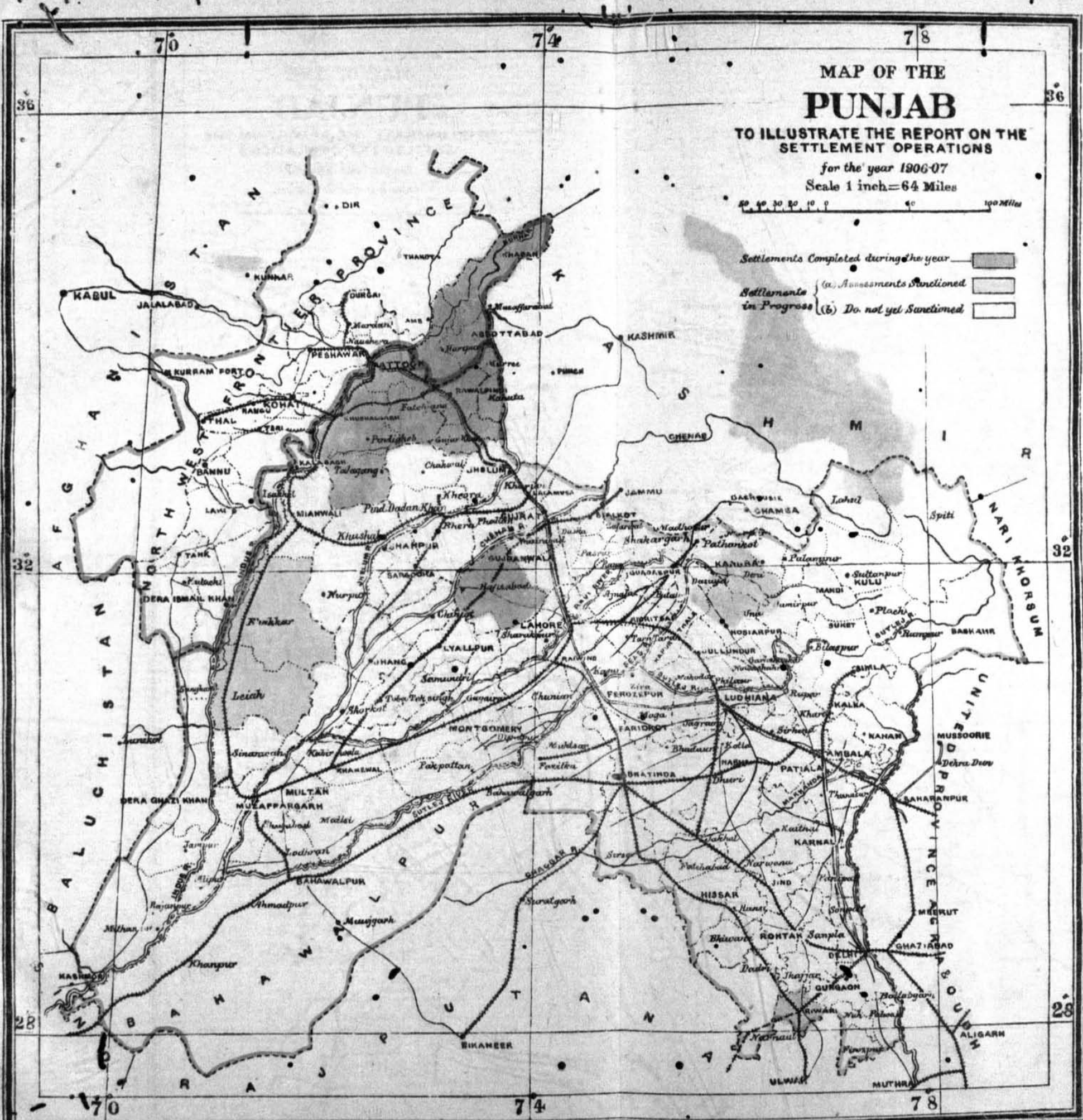
	1	2	3	4	5	6	7	8	9	10	11	
		Hafizabad, June 1902.	Rawalpindi, October 1902.	Mianwali and Isakhel Tahsils, October 1903.	Gurgaon, October 1903.	Karnal, October 1904.	Roh tāk, October 1905.	Hissar, October 1906.	Delhi, October 1906.	Grand Total.	REMARKS.	
AREA UNDER ASSESSMENT.	Total area in ... Acres	887,716	2,823,616	1,382,990	1,234,790	2,010,814	1,154,164	2,262,518	819,796	12,576,404		
	Area of which assessments have been sanctioned in previous year ... Acres	887,716	1,309,706	...	...	...	...	...	...	2,197,422		
	Area of which assessments have been sanctioned during the year ... Acres	...	1,513,910	...	270,866	...	...	...	...	1,784,776		
	Area still to be assessed .. Acres	...	...	1,382,990	963,924	2,010,814	1,154,164	2,262,518	819,796	8,594,206		
ASSESSMENT SANCTIONED DURING THE YEAR.	Previous assessment ... Rs.	...	5,93,566	...	2,68,513	...	...	...	...	8,62,079		
	New assessment as sanctioned ... "	...	7,29,660	...	2,76,950	...	...	...	...	10,06,610		
	Total increase of assessment ... "	...	1,36,094	...	8,437	...	...	...	...	1,44,531		
	Increase, per cent. ... %	...	23	...	3	...	...	...	...	17		
VILLAGES OF WHICH THE ASSESSMENT HAS BEEN ANNOUNCED.	During the year.	Number of villages ...	1,126	...	266	...	...	...	...	1,392		
		Total area ... Acres	2,460,291	...	223,946	...	...	...	...	2,684,237		
	Total to date.	new assessment ... Rs.	729,660	...	2,18,160	...	...	...	...	9,47,820		
		Number of villages ...	528	1,509	...	266	...	...	...	...	2,303	
		Total area ... Acres	887,716	2,823,616	...	223,946	...	...	...	...	3,935,278	
	new assessment ... Rs.	6,01,201	9,85,660	...	2,18,160	...	...	...	...	18,05,021		
ASSESSMENT REPORTS.	Total due ...	3	4	1	5	4	4	...	...	21		
	Previously submitted by Settlement Officer ...	3	4	...	1	...	...	...	...	8		
	Submitted by Settlement Officer during the year ...	...	...	1	2	1	1	...	...	5		
	Sanctioned by Government ...	3	4	...	1	...	...	...	...	8		
	Still due to Government ...	...	...	...	2	3	3	...	...	8		
RESULT OF RE- ASSESSMENT OPERATIONS.	Increase of assessment as announced to date Rs.	2,48,602	1,69,752	...	8,054	...	...	...	...	4,26,408		
	Percentage of increase ... %	71	28	...	4	...	...	...	...	30		
	Increase of assessment for the whole area under settlement.	As now estimated ... Rs.	2,48,602	1,69,752	...	1,10,000	...	...	...	...	5,28,354	
		As estimated in the forecast re- port.	2,25,000	1,89,000	68,000	1,75,000	2,75,000	1,50,000	1,25,000	1,25,000	13,32,000	



# STATEMENT No. III.

## DURATION AND COST OF SETTLEMENT OPERATIONS.

1	2	3	4	5	6	7	8	9	10	11
	Hafizabad	Rawalpindi	Mianwali and Isa-khel Tahsils	Gurgaon	Karnal	Rohtak	Hissar	Delhi	Grand Total.	REMARKS.
Date on which Settlement Operations commenced ... ..	June 1902	Octr. 1902	Octr. 1903	Octr. 1903	Octr. 1904	Novr. 1905	Octr. 1906	Octr. 1906	...	
PROBABLE OR ACTUAL DATE OF COMPLETION OF	Measurements ... ..	Sept. 1905	March 1905	June 1906	Decr. 1907	Decr. 1907	Novr. 1908	April 1910	June 1908	...
	Revision of records ... ..	June 19 07	Sept. 1907	March 1907	June 1908	Decr. 1908	Aug. 1909	Octr. 1910	March 1909	...
	Re-assessment ... ..	Jany. 1906	Decr. 1906	Decr. 1907	April 1908	Decr. 1908	Aug. 1909	Octr. 1910	Jany. 1910	...
	Settlement Operations ... ..	June 1907	Sept. 1907	March 1908	April 1909	Octr. 1909	Novr. 1910	Octr. 1911	May 1910	...
COST OF FIELD SURVEY OPERATIONS DURING THE YEAR, DEDUCTING EXPENDITURE ON ORDINARY DISTRICT STAFF.	Total cost ... .. Rs.	21,299	...	57,988	97,509	1,81,734	1,52,364	1,01,954	1,08,520	7,21,368
	Cost per square mile re-measured Rs.	...	...	27	228	146	164	320	214	210
TOTAL COST OF SETTLEMENT OPERATIONS, DEDUCTING EXPENDITURE ON ORDINARY DISTRICT STAFF.	During the year ... .. Rs.	35,056	1,12,730	57,988	1,32,343	1,81,734	1,52,364	1,01,954	1,08,520	8,82,689
	Total to date ... .. Rs.	2,74,682	6,17,875	2,54,144	5,07,082	4,93,238	2,48,331	1,01,954	1,14,033	26,11,339
	Now Estimated for the whole operations of settlement Rs.	2,74,848	6,17,875	2,95,000	6,75,756	7,46,040	7,00,000	7,40,866	4,00,000	44,50,383
	As estimated in the forecast report Rs.	1,84,966	5,12,012	1,93,248	5,75,756	7,90,224	6,85,787	7,40,866	5,24,145	42,07,004



MAP OF THE  
**PUNJAB**

TO ILLUSTRATE THE REPORT ON THE  
SETTLEMENT OPERATIONS

for the year 1906-07

Scale 1 inch=64 Miles

Settlements Completed during the year —■—  
Settlements in Progress { (a) Assessments Sanctioned ■  
  (b) Do. not yet Sanctioned □