



ANNUAL REPORT

G-10A(17)

ON THE

Survey and Major Settlement
Operations in Bihar, for the year
ending the 30th September, 1941.



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SUPERINTENDENT, GOVERNMENT PRINTING,
BIHAR, PATNA.
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BOARD OF REVENUE, BIHAR.

No. 17-41.

FROM

KHAN BAHADUR A. N. M. OMAR,
SECRETARY TO THE BOARD OF REVENUE,
BIHAR,

TO

THE SECRETARY TO THE GOVERNMENT OF BIHAR,
REVENUE DEPARTMENT.

Dated Patna, the 18th December 1941.

SUBJECT.—Annual Report on the Survey and Major Settlement Operations for the year ending the 30th September, 1941.

SIR,

I AM directed to forward the Board's annual report on the survey and major settlement operations for the year ending the 30th September, 1941.

I have the honour to be,

SIR,

Your most obedient servant,

A. N. M. OMAR,

Secretary.

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Report on the Survey and Major Settlement Operations for the year ending the 30th September 1941.

CHAPTER I.

General Summary.

1. *Extent of the year's operations.*—The work under section 112, Bihar Tenancy Act, for settlement of rent in the districts of Patna, Gaya, Shahabad and Monghyr was practically closed last year. The work done during the year consisted of reconstruction of missing records of rent settlement cases of a village in the Monghyr district, disposal of ten pending appeals under section 104-G, Bihar Tenancy Act, and completion of the Final Report. Detailed survey and preparation of records of the Jamalpur municipality excluding the railway lands were finished during the year under report. Draft publication was held up as the municipality applied for survey of an additional area. It will be taken up at the end of this year.

2. *Programme.*—The proposal for taking up revisional settlements in the province having been abandoned by Government for the time being, no major settlements were started during the year. Survey of an additional area of the Jamalpur municipality will be taken up and the remaining stages of the operations of the entire area surveyed will be completed.

3. *Settlement staff.*—Rai Bahadur Sinheshvar Prashad Sinha, Special Batwara Officer and Receiver of the Banaili Estate, continued to exercise the powers of the Settlement Officer, Bihar Rent Settlement. The post of Assistant Superintendent of Surveys, Jamalpur municipality, was held by Khan Sahib Nadir Hasan, Sub-Deputy Magistrate and Sub-Deputy Collector.

4. *Final report.*—During the year, the proof of the Final Report of the Dhalbhum Revisional Settlement was approved by Government. It has since been sent to the Press for final printing. The final report on the rent settlement operations under section 112, Bihar Tenancy Act, in the districts of Patna, Gaya, Shahabad and Monghyr written by Mr. R. A. E. Williams, I.C.S., has also been sent to the Press for proof.

5. *Utilization of survey and settlement records.*—The reports received from the District Officers continue to show that the survey and settlement records are freely used in all branches of the district administration and their importance and utility are fully recognized by the courts and the public alike. These records, though out of date in most cases, are still of great use in cases arising out of land disputes for deciding title and possession, in police investigations and in preparing sketches of scenes of crime.

The records of the districts of North Bihar except Saran and Champaran are now very old and do not represent the actual state of affairs. In Darbhanga, the records are 38 years old and the papers of some of the volumes are worn out. The District Officers of Shahabad and Palamau report that there have been considerable changes since the records were prepared last and these have impaired their usefulness. It has been reported by the District Officer of Monghyr that the record-of-rights of North Monghyr and of South Monghyr, which were prepared in 1903-04 and 1908-09, respectively, have lost their value to a great extent on account of sale, gift, exchange and inheritance together with subdivision, partition and amalgamation of tenancies. There have also been considerable changes in rentals due to the application of section 112-A, Bihar Tenancy Act. Much of the *gairmazrua* lands has since been brought under cultivation and most of the *bhaoli* lands are now held on cash rent. These factors justify a revision of the record-of-rights. In Bhagalpur, except in the area covered by the survey and settlement operations of the Kosi diara, records are much out of date and revision seems necessary at least in the two northern subdivisions for such areas as have become stable. Some of the entries in Purnea have become

so faded that they are illegible and a large number of them have been re-copied. In Hazaribagh, in cases of transfers and settlement or reclamation of *gairmazrua* lands, the existing records and maps have ceased to be of help, particularly in private estates, and a revision survey is considered to be highly desirable as early as possible. In Government, Wards and Encumbered estates new reclamations are settled after proper survey and preparation of khatians. The growth of trees subsequent to settlement operations has, as reported in previous years, impaired the accuracy of the records in respect of entries about trees, and disputes often arise over lac-bearing trees where records give little guidance.

6. *Road map.*—The Provincial road map of Bihar showing details of culverts, bridges and unbridged but fordable *nullahs* is found to be of great help to touring officers and motorists. It also helps the district boards to make a programme of road improvement in relation to the importance of communications with neighbouring districts.

CHAPTER II.

Bihar Survey Office.

7. *General.*—Rai Sahib Nila Lohita Bhattacharji, Deputy Collector, was in charge throughout the year under report except from the 1st October 1940 to the 25th November 1940 during which the late Mr. E. W. Myers, Supervisor, Traverse Section, acted as Deputy Director in place of Mr. J. F. Gantzer, M.B.E., who took leave preparatory to retirement.

The policy of reducing expenditure while maintaining a high standard of efficiency was continued throughout the year.

REPRODUCTION SECTION.

8. The staff was fully employed during the year. The demand from the Collectors was practically the same as in the previous years, but the pressure of work increased considerably owing to the urgent demands for printing the maps and charts of the Bihar Electrification Scheme and the village maps of the Surguja State and the staff had to work overtime for about a month. The work of correction of plates has gone on increasing from year to year, due to demands for copies of old village maps.

Thirty-nine out of 40 maps and drawings for the Bihar Electrification project report were printed during the year under report and one of these maps was printed in as many as 16 different colours.

In the past when a proof had to be taken for originals meant for the offset machine, it was taken on the offset machine itself causing a good deal of wastage in ink. To stop this, in view of the rise in the price of ink, one hand transfer press has been equipped with a rubber tympan. To guard against cracking of glass plates of the photo frames which used to be placed on the ground for exposure, wooden flat stands have been prepared and this has resulted in a saving in the cost of changing glass plates. Forest maps were for a long time sent to the office of the Survey of India for reproduction by photography as the corrections made by the Survey of India in the past were by pasting of correction slips. It was considered impossible to use these originals for printing by Vandyke process. An experiment was made by taking long and short exposures on different plates and combining them in one print. Though the plates thus made require a good deal of touching up, the experiment proved successful and the Conservator of Forests greatly appreciated the result. This will also effect a considerable saving in future.

9. *Outturn.*—The outturn during the year was 7,839 sheets and 165,706 copies against last year's outturn of 9,117 sheets and 117,643 copies.

The details are as follows :—

Serial no.	Kind of maps.	Number of sheets.	Number of copies.
BIHAR.			
1.	Extra edition of village and thana maps ...	4,354	36,351
2.	Final publication of skeleton thana maps ...	10	1,000
3.	Ditto district maps ..	1	100
4.	Miscellaneous maps (departmental and extra-departmental).	1,134	87,043
5.	Maps for Indian States ...	1,181	9,079
ORISSA.			
6.	Extra edition of village and thana maps ...	440	4,540
7.	Final copies of village maps ...	448	12,153
8.	" Not final " copies of village maps ...	149	1,073
9.	Miscellaneous maps ...	122	14,367
	Total ...	7,839	165,706

Besides the above, 64,753 colour impressions were made against 23,395 impressions in the previous year.

10. *Cost rate.*—The cost rate per copy was Re. 0-3-1 against Re. 0-4-3 during the previous year. It was Re. 0-3-7 in 1938-39 and Re. 0-5-6 in 1937-38. The fall in the rate is due to the increase in the number of copies turned out and, to some extent, to the reduction in the number of plates.

11. *Recoveries.*—The recoveries for the blue and black prints used in partition cases and work done for Indian States were Rs. 550-13-0 and Rs. 2,885 respectively. Including the above and excluding Rs. 589-3-0 for the sale of printed copies of maps, the total recoveries for all extra-departmental jobs in the Reproduction and Drawing Sections amounted to Rs. 12,598-2-0 only against Rs. 20,523-6-0 in the previous year.

DRAWING SECTION.

12. *Preparation of 1"=4 miles scale district maps.*

Bhagalpur.—The originals for roads and hills were prepared during the year and were sent to the Reproduction Section for surprinting.

Champan.—The original for roads was prepared during the year and was sent to the Reproduction Section for surprinting.

Monghyr.—The proofs were received back from the District Officer and the originals, after necessary corrections, are being sent to the Survey of India for photographic reduction and printing.

Singhbhum.—One-fifth of the work on this map was completed during the year in addition to the work done last year.

Patna.—The remaining half of the drawing work was completed.

Cuttack.—The remaining work on this map was completed. The proof was received back from the Revenue Commissioner, Orissa, and the originals, after necessary corrections, are being sent to the Survey of India for reduction by photography and printing.

Puri.—One-fourth of the drawing work was completed.

13. *Preparation of 1"=1 mile thana maps.*—The drawing work of the following 13 thanas and police-stations on 14 sheets was completed during the year :—

Mandu, Petarbar, Kodarma, Jainagar, Chauparan, Itkhori, Ichak, Chatra, Simaria, Gawan and Satgawan of district Hazaribagh and Maner and Masaurhi of district Patna.

14. *Preparation of skeleton district maps on 1"=8 miles scale.*

Champaran.—The map was completed.

Bhagalpur.—The map was completed.

15. *Preparation of a map of the Orissa province on 1"=10 miles scale.*—

The proof of the map has been received back from the Revenue Commissioner of Orissa recently and the originals are being corrected.

16. *Compilation of the forest map of Daspalla State on 1"=2 miles scale.*—The drawing work including the seven colour originals was completed and the map was published.

17. *Bandh and Flood maps of North Bihar for the Irrigation Branch of the Public Works Department.*—Traces of five *bandh* and flood maps with five colour traces of each map were prepared.

18. *Verification of the Bengal Nagpur Railway land plans.*—Two hundred and eighty-nine sheets of the 16" cadastral maps of the district of Manbhum were reduced by pentagraph to the scale of the Bengal Nagpur Railway plans for making comparison. Two hundred and sixty-eight railway plans including the plans of acquisition and relinquishment were combined to form 48 plans. These combined plans were compared with the reduced plans of the 16" cadastral maps and 48 traces were made showing the difference.

19. *Preparation of miscellaneous maps.*—Six thousand three hundred and thirty one graphs, sketches, diagrams and charts were prepared and printed for several Government Departments.

20. *Sale of maps.*—The following maps were sold during the year :—

Province maps	..	..	..	..	14 copies.
Road maps	..	..	..	..	15 "
Skeleton district maps	..	..	..	..	134 "
District maps	..	..	..	..	200 "
Thana maps	..	..	..	..	453 "
Town maps	..	..	..	..	267 "
Special Ganges Diara maps	..	..	..	..	7 "
Forest maps	..	..	..	..	1,091 "
Thana lists	..	..	..	..	1 copy

The sale-proceeds of the maps including the mounting charges amounted to Rs. 1,723-6-0 against Rs. 2,329-4-0 last year and Rs. 2,901-9-0 in the year before. Out of the total sale-proceeds of Rs. 1,723-6-0 a sum of Rs. 233 was creditable to the Government of Orissa on account of the sale of maps appertaining to that province. The decrease in the cash receipts on account of the sale-proceeds of maps is due to the fact that, as a measure of security, restrictions have been imposed on the issue of all the important maps except to Government officers for official use only. The total recoveries on account of certified copies of maps amounted to Rs. 731-6-0.

21. *Free distribution of maps.*—One thousand and nineteen copies of thana maps were distributed to the Police Departments of Bihar and Orissa for use as crime maps.

22. *Traverse Section.*—The main items of work done during the year are mentioned below :—

Maintenance of Special Ganges Diara Reference pillars.—Forty-two pillars dealt with during the last year were plotted on 16"=1 mile scale cadastral maps and on the 4"=1 mile scale Special Ganges Diara maps. Traces were prepared and sent to the District Officers concerned.

District Monghyr.—The work of extraction of areas and preparation of *Khakos* of the plots on 129 sheets of Jamalpur municipality on 50"=1" scale was done and the sheets were sent to the Superintendent of Surveys of the municipality.

District Bhagalpur.—The relaid and demarcated boundary of village Mohanpur no. 1, thana Bhagalpur, of season 1935-36 was transferred to the Collector's departmental map of 1932-33.

District Patna.—Blocks for training of officers in survey and settlement work in thanas Phulwari and Dinapore were traversed and 30 sets of plots on 16"=1 mile scale were prepared.

District Champaran.—The Nepal-Champaran boundary between P.P. 26 and W.P. $\frac{2}{3}$ was relaid and demarcated according to the map of season 1930-31 on 4"=1 mile scale.

District Saran.—Twelve reference pillars were embedded on the Public Works Department embankment in thanas Parsa and Masrakh in the district of Saran in the year 1938-39. These were now plotted on the 16"=1 mile scale original village maps as well as on the printed copies.

ORISSA.

23. (a) *District Ganjam.*—Traverse tables (including preparation of fyleaves and indexes) of 404 villages of estates Sonnokhemidi, Bodogoda, Surangi and Palur of season 1938-39 and of 9 Malukdari villages in Aska Taluk of season 1939-40 were finally completed.

(b) *District Koraput.*—Out of 42 connecting blocks and 45 villages of Nowrangpur Taluk, 32 connecting blocks and 38 villages were traversed and proved. Co-ordinates of 5 connecting blocks and 38 villages were reduced and 16"=1 mile plots of 30 villages were prepared.

CHAPTER III.

Bihar Rent Settlement.

24. The work of Rent Settlement under section 112, Bihar Tenancy Act, in the districts of Patna, Gaya, Shahabad and Monghyr was practically closed last year. Under the orders of the Government missing records of rent settlement cases under section 112, Bihar Tenancy Act, of a village in the district of Monghyr were reconstructed during the year and the rent rolls are pending with the Collector of Monghyr for confirmation. Ten appeals under section 104-G of the Bihar Tenancy Act, which were reported as pending in the last year's report, were disposed of. The Final Report on rent settlement operations under section 112, Bihar Tenancy Act, was also completed during the year.

CHAPTER IV.

Miscellaneous.

25. *Municipal surveys.*—Khan Sahib Nadir Hasan, Sub-Deputy Collector, joined at Monghyr on the 25th October 1940 as the Assistant Superintendent of Surveys of the Jamalpur municipality. The detailed survey of the municipality, excluding railway lands on 50'=1" scale, was taken up on the 7th November 1940 and finished on the 15th February 1941. The work of *khanapuri* (record writing) was started on the 7th March 1941 and finished on the 14th April 1941. There was some delay in taking up *khanapuri* as no draftsman was at first available to ink up the sheets of maps. The total area surveyed was found to be 2,581.454 acres, the total number of plots and sub-plots being 14,482 and 6,233, respectively. The Assistant Superintendent of Surveys checked the survey by both personal and independent partals. The percentage of check of *khanapuri* done by him was 4.08. The total expenditure during 1940-41 amounted to Rs. 10,205-0-3.

The total number of disputes filed was 117. The number of disputes about encroachment on the municipal land was very much reduced as the raiyats

and the municipal staff generally agreed to the entry of the municipality as owner and the raiyats as occupiers. In the few cases in which there was no agreement, the disputes were decided on their merits. The other disputes were between rate-payers themselves about possession.

The recess work was also delayed much as the amins refused to take up the work of extraction of areas, etc., on the prescribed contract rate. Other amins had, therefore, to be recruited. While the records and maps were ready for draft publication, the municipality applied for survey of an additional area comprising railway lands bordering its eastern limit, roads belonging to the railway which are maintained by it and railway lands indicating the boundaries of wards. In notification no. 1396-IIS-27-R.R., dated the 18th October 1941, Government have since sanctioned the necessary amendments to the previous notification of survey. Traverse survey will be taken up as soon as the municipality deposits the estimated cost in advance.

26. *Maintenance of boundary between this province and Nepal.*—The work done during the year for maintenance of the boundary between Nepal and the districts of Champaran, Muzaffarpur, Darbhanga and Purnea was as follows:—

In Champaran the work consisted of—

- (1) relay and demarcation of the mid-stream of the river Pasaha on the Nepal-Champaran boundary between P. P. 26 and W. P. $\frac{23}{25}$,
- (2) joint inspection of the boundary between P. P. 17 to P. P. 84 and S. P. 29 and P. P. 59,
- (3) embedding of W. P. 27 in village Musharwa,
- (4) joint inspection in connection with the work of relay and demarcation of the boundary between P. P. 66 and P. P. 84.

In Muzaffarpur, the boundary between pucca pillars nos. 1 to 56 was jointly inspected by the kanungo of the district and a representative of the Nepal Government and 26 pillars were repaired and whitewashed.

In Darbhanga, pillars nos. 1—46 and certain reference pillars were whitewashed after necessary repairs, pucca pillars nos. 15 to 46 and some reference pillars were refigured and number plates were painted where necessary. Certain other pillars were also repaired, whitewashed and painted.

In Purnea, boundary pillars nos. 69 and 73 were reconstructed and pillars 70 and 71 were thoroughly repaired after removing the jungles. The other pillars from 50 to 75 were also repaired and whitewashed. Thick jungles between pillars 68 and 69, 69 and 70, 73 and 74, 74 and 75 were cut and repairs carried out, the earthen demarcation bank being restored, where necessary.

27. *Maintenance of the boundary between this Province and the Indian States.*—In the district of Singhbhum 16 damaged pillars were restored during the year, 11 between Kolhan Government estate and Seraikela State and 5 between Porahat Government estate and Kharsawan State.

28. *Forest Surveys.*—The work done by the Deputy Director of Surveys, Bihar, was as follows:—

- (1) Statement showing the nature of the boundaries together with linear measurements from pillar to pillar and encroachments of 8 reserved forest blocks and 5 protected forest blocks of season 1936—38 were prepared and sent to the Divisional Forest Officer, Palamau.
- (2) The 16"—1 mile comparative map of season 1938-39 of the common boundary between village Komo no. 263 and Komo reserved forest block in thana Latehar, showing the last cadastral survey boundary and other boundaries according to the different maps of the Forest Department was completed and sent to the Divisional Forest Officer, Palamau.

29. *Maintenance of boundary marks.*—A synopsis of the more important facts is given in Appendix VI.

Inspection of boundary marks was excellent in Patna, Gaya, Saran, Champaran, Hazaribagh, Palamau and Singhbhum, good in Bhagalpur, Ranchi and Purnea, fair in Shahabad, Muzaffarpur, Monghyr and Manbhum and poor in Darbhanga and the Santal Parganas. The work of restoration was excellent in Patna, Hazaribagh and Manbhum, good in Saran and Palamau, fair in the Santal Parganas and poor in the remaining districts. The work of restoration is heavily in arrears in Darbhanga. The number of marks pending restoration in Darbhanga exceeds the number of marks in the district. This is reported to be due to overlapping of the marks inspected in the previous years. The attention of the District Officer was drawn to this. It is also reported that the work of replacement and checking is in progress. The work of restoration is also much in arrears in Champaran, Purnea and Bhagalpur. Out of the total number of marks pending restoration in Champaran, 17 are reported to be in protected forest area and 137 marks have been lost by diluvion and therefore their restoration is not possible.

All the 18 marks pending restoration in Singhbhum are in a river bed and could not therefore be restored. The account of the boundary marks fund stands as follows:—

			Rs.	a.	p.
Balance on 31st March 1940	..	..	34,316	5	10
Receipts during the year	..	..	Nil.		
Expenditure during the year	..	..	5,036	10	0
Balance on 31st March 1941	..	..	29,279	11	10

30. *Sale of maps by District Officers.*—The number of maps sold by District Officers in the last three financial years is given below:—

Year.	Village maps.	Detailed thana maps.	Skeleton thana maps.	Irrigation and other maps.	Thana lists.	Sale-proceeds.
1	2	3	4	5	6	7
1938-39	25,947	219	668	28	98	Rs. 13,835
1939-40	20,363	130	635	54	58	10,760
1940-41	18,749	99	392	41	72	9,797

The sales of village maps were the largest in Darbhanga, Muzaffarpur, Bhagalpur, Hazaribagh, Monghyr, Shahabad, Manbhum and Singhbhum. The Deputy Director of Surveys, Bihar, supplied 40,882 sheets of village maps to District Officers to replenish their stock of saleable maps. Of these, 13,763 were supplied to the District Officer of Muzaffarpur and 11,105 to the District Officer of Shahabad.

31. *Maintenance of thana maps and lists.*—No notification affecting the police-station or revenue thana boundaries was issued during the year.

32. *Training of officers in survey and settlement work at Camp Patna.*—Under orders of Government a course of training in survey and settlement was arranged in two batches, during the year under report, for about a month in each case instead of for six weeks for all officers as in previous years. The first batch was trained from the 2nd January 1941 and the second batch from the 3rd February 1941. In all 42 officers consisting of 3 Junior Civilians, 10

Deputy Collectors, 17 Sub-Deputy Collectors, 4 Assistant Superintendents of Police, 3 Deputy Superintendents of Police and 5 Munsifs attended the course. Besides these officers, Kumar S. P. Singh Deo from Dhenkanal State also received his training in the second batch. Rai Sahib Nila Lohita Bhattacharji, Deputy Director of Surveys, Bihar, was in charge of the training camp and instruction was imparted by him alone owing to the death of the Traverse Supervisor in January 1941. All the officers did well.

An examination of the enrolled District Kanungos was held for the first time by the Deputy Director of Surveys on the 18th January 1941 and out of 24 candidates, 13 were declared to have passed.

33. *Training of police officers and cadets in survey and settlement work at Hazaribagh.*—As in previous years, a course of training was arranged through the Deputy Commissioner of Hazaribagh for about a fortnight from the 18th August 1941. Khan Sahib Abdul Jalil, Deputy Magistrate and Deputy Collector, conducted the training. Forty-three cadets, 2 Assistant Superintendents and one Deputy Superintendent of Police were under training. The principles of survey were fully explained and demonstrated to them practically and they were made to survey a block specially selected for the purpose. The different stages of the preparation of record-of-rights, their importance and utility with special reference to criminal cases arising out of land disputes were fully explained to them. All the officers and cadets showed keen interest in their training.

34. *Charge of the department.*—As in previous years, the Member, Board of Revenue, performed the duties of the Director of Land Records and Surveys, in addition to his own.

35. *Merits of officers.*—Khan Sahib Nadir Hasan, Sub-Deputy Collector, worked satisfactorily as Assistant Superintendent of Surveys, Jamalpur municipality.

Rai Sahib Nila Lohita Bhattacharji, Deputy Collector, who took over charge as Deputy Director of Surveys on the 25th November 1940, has made a good start and is taking much interest in his work.

APPENDIX IV

Statement showing progress of survey and settlement work in the province by districts and divisions up to 30th September 1941.

DISTRICT.	Total area of district (in square miles).			Area which has been cadastrally surveyed for which a record-of-rights has been prepared or which has been settled under the Regulations up to 30th September 1941 (in square miles).			Area covered by topographical, municipal or forest survey for which no record-of-rights has been prepared up to 30th September 1941 (in square miles).			Area outstanding (in square miles).			Remarks.
	Permanently settled.	Not permanently settled.	Total.	Permanently settled.	Not permanently settled.	Total.	Permanently settled.	Not permanently settled.	Total.	Permanently settled.	Not permanently settled.	Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<i>Patna Division.</i>													
Patna	2,000	60	2,120	2,029	38	2,067	31	23	53	...	...	...
Gaya	4,562	166	4,748	4,151	186	4,737	11	...	11	...	...	...
Shahabad	4,253	93	4,346	4,171	92	4,263	82	1	83	...	...	...
Divisional total ...	10,875	389	11,214	10,751	316	11,067	124	23	147	...	...	...
<i>Tirhut Division.</i>													
Saran	2,635	49	2,677	2,484	4	2,488	144	45	189	...	...	...
Champanan	3,533	3	3,536	3,243	3	3,246	290	...	290	...	...	...
Muzaffarpur	1,991	32	2,023	2,659	...	2,659	1	32	34	...	...	...
Darbhanga	3,345	3	3,348	3,301	2	3,303	44	1	45	...	...	...
Divisional total ...	12,497	87	12,584	12,017	9	12,026	480	78	558	...	...	...
<i>Bhagalpur Division.</i>													
Monghyr	3,797	114	3,911	3,713	114	3,827	84	...	84	...	...	...
Bhagalpur	4,114	44	4,158	3,742	43	3,785	373	1	373	...	...	...
Purnea	4,977	17	4,994	4,803	16	4,819	174	1	175	...	...	...
Santal Parganas	4,088	1,360	5,438	4,078	1,350	5,428	10	...	10	...	...	...
Divisional total ...	16,976	1,525	18,501	16,336	1,523	17,859	640	2	642	...	...	...
<i>Chota Nagpur Division.</i>													
Hazaribagh	6,782	204	6,986	6,729	201	6,930	3	53	56	...	...	...
Ranchi	6,051	165	7,096	6,918	165	7,083	13	...	13	...	...	...
Palamau	4,298	606	4,904	4,297	345	4,642	1	261	262	...	...	...
Manbhum	4,049	46	4,095	4,043	46	4,089	6	...	6	...	...	...
Siaghbhum	1,983	1,919	3,902	1,784	1,361	3,165	199	538	737	...	...	...
Divisional total ...	24,063	2,940	26,983	25,771	2,188	26,959	222	829	1,074	...	...	...

APPENDIX V.

Statement showing the outturn of the Bihar Survey Office with the expenditure incurred during the survey year ending the 30th September 1941.

District.	Description of work.	Years of commencement of operations.	Total work to be done.	Work done during the year.	Work remaining to be done.	Actual cost.	Remarks.	
1	2	3	4	5	6	7	8	
			MAP REPRODUCTION SECTION.				Rs. a. p.	
	Extra edition of village and thana maps.	...	4,354	4,354	Nil	16,973 0 0	Includes Rs. 4 account of printing irceh train.	
Bihar	Final publication of skeleton thana maps.	...	10	10	Nil	35 0 0		
	Final publication of skeleton district maps.	...	1	1	Nil	13 0 0		
	Miscellaneous maps (Departmental and extra-departmental).	...	1,134	1,134	Nil	11,193 0 0		
	Maps for Indian States	...	1,181	1,181	Nil	2,066 0 0		
	Extra edition of village and thana maps.	...	440	440	Nil	1,764 0 0		
Orissa	Final copies of village maps	...	448	448	Nil	4,727 0 0		
	Not final copies of village maps.	...	149	149	Nil	647 0 0		
	Miscellaneous maps	...	122	122	Nil	2,471 0 0		
					Total	40,769 0 0		
			BIHAR. DRAWING SECTION.					
Singhbhum	Compilation of detail district maps. New	1937-38	.....	1	.....	560 0 0	In hand & about to be previously completed.
Champaran	Revision	1937-38	.....	1	.....	160 0 0	Original on the 1"=4 miles for printing road prepared during year.
Monghy	Do.	1938-39	.....	.....	.....	150 0 0	Completed during year.
Fatna	Do.	1939-40	.....	1	.....	650 0 0	Ditto.
Bhagalpur	Do.	1937-38	.....	2	.....	250 0 0	Originals on the 1"=3 miles for printing road and hills in prepared during year.
Champaran	Compilation of skeleton district maps.	1940-41	.....	1	.....	120 0 0	Completed during year.
Bhagalpur	.....	1940-41	.....	1	.....	120 0 0	Ditto.
	Compilation of skeleton thana maps.							
	Mandu	.....	.....	.....	.....	.....	Completed during year.
	Petarbar	.....	.....	.....	.....	.....	Ditto.
	Kodarma	.....	.....	.....	.....	.....	Ditto.
	Jainagar	.....	.....	.....	.....	.....	Ditto.
	Chauparan	.....	.....	.....	.....	.....	Ditto.
	Itkbori	.....	.....	.....	.....	.....	Ditto.
	Icbak	.....	.....	.....	.....	.....	Ditto.
Hazaribagh	Hunterganj	1939-40	.....	15	.....	2,100 0 0	In hand.
	Partabpur	.....	.....	.....	.....	.....	Ditto.
	Chatra	.....	.....	.....	.....	.....	Completed.
	Simaria	.....	.....	.....	.....	.....	Ditto.
	Gawan	.....	.....	.....	.....	.....	Ditto.
	Satgawan	.....	.....	.....	.....	.....	Ditto.
Fatna	Dinapore	.....	.....	.....	.....	.....	In hand.
	Maner	.....	.....	.....	.....	.....	Completed during year.
	Bikram	1939-40	.....	2	.....	350 0 0	In hand.
	Massurhi	.....	.....	.....	.....	.....	Completed during year.

APPENDIX V—contd.

Statement showing the outturn of the Bihar Survey Office with expenditure incurred during the Survey year ending the 30th September 1941.

District.	Description of work.	Year of commencement of operation.	Total work to be done.	Work done during the year.	Work remaining to be done.	Actual cost.	Remarks.
1	2	3	4	5	6	7	8
	Verification of B. N. By-land plans.		DRAWING SECTION—contd.			Rs. s. p.	
Manbhum	.....	1940-41	.....	268	...	1,878 0 0	Completed during the year.
Munaffarpur	Bandh and flood maps of North Bihar.	1940-41	.....	5	...	...	Ditto.
Darbhanga							
North Bhagalpur							
Champaran							
Saran							
Faina	Unforeseen and miscellaneous maps.	1940-41	.....	6,331	...	4,680 8 6	Ditto.
Champaran							
Bhagalpur							
Darbhanga							
Palamau							
Manbhum							
Singbhum							
Munaffarpur							
	BIHAR.		TRAVERSE SECTION.				
1. Saran, Darbhanga, Bhagalpur, Purnea and Monghyr.	Maintenance of the Special Ganges Diara Reference pillars, in all 42 pillars dealt with in season 1939-40.	24-11-1939	Plotting of the pillars, on the 16"=1 mile, cadastral survey maps and on the 4"=1 mile Special Ganges Diara maps and preparation of traces of those maps.	Plotted the pillars on the 16"=1 mile cadastral survey maps and on the 4"=1 mile Special Ganges Diara maps and prepared traces and sent to the Collectors concerned.	Nil	2,429 0 0	
2. Monghyr	Traverse survey of the Jamalpur Municipality excluding the entire Railway land.	12-2-1940	Despatch of the 50"=1 inch plots for detail survey together with planimeter area and U. T. area.	Despatched the 50"=1 inch plots with khakhas together with planimeter area and U. T. area to the Superintendent of Surveys, Jamalpur municipality.	Nil	804 0 0	
3. Bhagalpur	Relay and demarcation of Khasmahal village Mohapur no. 1, dealt with in season 1 35-36.	...	Transferring the relay and demarcation boundary of season 1935-36 of village Mohapur no. 1 of the departmental map of the Collector of season 1932-33 on the scale 16"=1 mile.	Transferred the relay and demarcation boundary of season 1935-36 on the departmental map of the Collector of season 1932-33 on the scale 16"=1 mile and sent to the Collector.	Nil	46 0 0	
4. Champaran	Relay and demarcation of the British India (District Champaran)—Nepal boundary between P. P. 26 and W. P. 23-25.	30-1-1941	Relay and demarcation of Nepal-Champaran boundary between P. P. 26 and W. P. 23/25.	Relaid and demarcated the Nepal-Champaran boundary between P. P. and W. P. 23/25.	Nil	754 0 0	
5. Saran	Fixing of 14 reference pillars on the Public Works Department embankment passing through the villages in thanas Parsa and Masrakh.	...	Plotting of 12 reference pillars on the 16"=1 mile original cadastral survey maps as well as on the prints of those.	Plotted 12 reference pillars on the 16"=1 mile original cadastral survey maps as well as on the prints of those concerned.	Nil	279 0 0	

APPENDIX V—concl'd.

Statement showing outturn of the Bihar Survey Office, with expenditure incurred during the year ending the 31st September 1941—concl'd.

District.	Description of work.	Date of commencement of operation.	Total work to be done.	Work done during the year.	Work remaining to be done.	Actual cost.	Remarks.
I	2	3	4	5	6	7	8
	BIHAR—concl'd.		TRAVERSE SECTION—concl'd.				Es. a. p.
6. Palamau ...	(a) Survey of boundaries of 46 Forest blocks in the Palamau Forest Division, dealt with in seasons 1936-37 and 1937-38.	1-10-1936	Despatch of statement showing the nature of boundaries together with linear measurements from pillar to pillar and encroachments and the statement of area.	Prepared statement showing the nature of the boundaries together with linear measurements from pillar to pillar and encroachments of 8 R. F. blocks and 5 P. F. blocks and despatched to the Divisional Forest Officer, Palamau.	Despatch of statement showing the nature of boundaries 33 forest blocks and area statement of 46 forest blocks.	725 0 0	
	(b) Completion of the 16" = 1 mile comparative map of the common boundary between village Komo no. 263 and Komo R. F. block in thana Latchar showing the last cadastral survey boundary and other boundaries according to different map of the Forest Department (dealt with in 1936-39).	...	Completion of the 16" = 1 mile comparative map.	Completed the 16" = 1 mile comparative map and sent to the Divisional Forest Officer, Palamau.	Nil ...	...
	ORISSA.				Total ...	4,569 0 0	
7. Ganjam ...	Traverse survey of 404 unsurveyed estate villages dealt with in season 1938-39.	2-4-1938	Final completion of the traverse tables including the preparation of fly-leaves and indexes.	Traverse tables including the preparation of fly-leaves and indexes finally completed.	Nil ...	1,169 0 0	
8. Ganjam ...	Traverse survey of 9 Malukdari villages in Aska Taluk dealt with in season 1939-40.	14-2-1940	Ditto ditto ...	Ditto ditto ...	Nil ...	8 0 0	
9. Koraput ...	Traverse survey of 45 villages (roughly representing 5 per cent. of 819 villages) of the Nowrangpur Taluk.	18-4-1941	Traverse survey of 45 villages and 42 connecting blocks.	Traversed 38 villages and 32 connecting blocks and prepared 16" = 1 mile plots of 30 villages.	Traversing of remaining seven villages and ten connecting blocks and preparation of 16" = 1 mile of 16 villages and 2" = 1 mile plots of 42 connecting blocks.	16,145 0 0	
					Total ...	21,691 0 0	

APPENDIX VI.

Statement showing the number of boundary marks inspected and the number restored during the year ending the 31st March, 1941

District.	Total number of marks.	Number inspected.	Total number to be restored (including those pending from previous year)	Number restored.	Agency by which inspected.
1	2	3	4	5	6
Patna ...	5,508	5,340	289	245	Both superior and subordinate agencies not specified.
Gaya ...	13,422	11,045	472	104	Subdivisional Officers, Khas Mahal Officers and Police Officers.
Shahabad ...	11,962	5,027	279	17	Subordinate Agency.
Saran ...	10,014	9,801	387	272	Police officers.
Champanau ...	6,070	5,602	1,112	60	Police Officers and Bettah Raj employees.
Muzaffarpur ...	16,027	6,834	638	100	Not specified
Darbhanga ...	8,332	2,962	11,008 (a)	170	Not specified.
Monghyr ...	8,378	4,860	1,085	400	Superior and subordinate agencies.
Bhagalpur ...	9,783	7,035	2,548	495	Thana officers and other touring officers.
Purnea ...	10,784	6,602	1,308	152	Sub-Inspector of Police.
Santal Parganas ...	22,676	4,747	396	207	District Kanungo, Sardars, Sub-Inspector of Police, Parganais in Damin areas and Tahsildars in Government estates and also by Subdivisional Officers.
Ranchi ...	6,785	4,900	6	...	Khasmahal Officer, Tahsildar in Government estates, Manager, Wards and Encumbered estates, etc.
Hazaribagh ...	13,742	13,591	256	256	Khasmahal Officer, Tahsildar in Government estates, Manager, Wards and Encumbered estates and the Police.
Palamau ...	6,802	6,502	1,062	682	Khasmahal Officer, Tahsildar, etc.
Manbhum ...	18,925	10,610	3,707	3,628	Tahsildars of the Encumbered estates, etc.
Singbhum ...	6,310	6,310	18*	...	Inspector, Mankis and Mundas.

* Lie on the river bed.

(a) Figures not accurate as some marks were inspected more than once in previous year.

Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900
Population	1,000	1,100	1,200	1,300	1,400	1,500	1,600	1,700	1,800	1,900	2,000
Area	100	100	100	100	100	100	100	100	100	100	100
Value	100	100	100	100	100	100	100	100	100	100	100
...

TABLE NO. 10. (Continued from page 9.)

GOVERNMENT OF BIHAR.

REVENUE DEPARTMENT.

RESOLUTION.

Patna, the 5th March 1942.

READ—

Letter no. 17—4-1, dated the ^{18th December 1941} ~~10th February 1942~~, from the Secretary to the Board of Revenue, Bihar, submitting the Board's annual report on the work of the Department of Land Records and Surveys, Bihar, for the year ending the 30th September 1941.

THE Member, Board of Revenue, Bihar, continued to be in charge of the Department throughout the year in addition to his own duties.

2. During the year under report there were no major settlement operations. The detailed survey and preparation of records of the Jamalpur municipality, excluding the railway lands, were finished. The draft publication of the records was held up as the municipality applied for the survey of an additional area. The traverse survey of this additional area will be started as soon as the municipality deposits the estimated cost.

The total expenditure during the year 1940-41 amounted to Rs. 10,205. In all 117 cases of disputes were filed. The disputes about encroachments on municipal land were fewer as the raiyats and the municipal authorities generally agreed to the entry of the municipality as owner and of the raiyats as occupiers.

3. *Bihar Survey Office.*—Rai Sahib Nil Lohita Bhattacharji, Deputy Collector, remained in charge of the Bihar Survey Office throughout the year, except for the period from the 1st October 1940 to the 25th November 1940 during which late Mr. E. W. Myers, Supervisor, Traverse section, acted as Deputy Director of Surveys in place of Mr. J. F. Gantzer, M.B.E., who went on leave preparatory to retirement.

4. *Bihar Rent Settlement.*—Rai Bahadur Sinheshvar Prashad Sinha continued to exercise the powers of the Settlement Officer, Bihar Rent Settlement, in addition to his duties of the Special Batwara Officer and Receiver of the Banaili estate. During the year under report missing records of rent settlement cases of a village in Monghyr district were reconstructed and ten appeals under section 104-G, Bihar Tenancy Act, which were reported as pending in the last year's report, were disposed of. The final report on the rent settlement operations under section 112 of the Act was completed and sent to Press.

5. Training in survey and settlement work was given at Patna to 42 officers in two groups for about a month each. The first batch was trained from the 2nd January 1941 and the 2nd batch from the 3rd February 1941. The training was directed by Rai Sahib Nil Lohita Bhattacharji alone. It is reported that all officers did well.

6. The Governor is pleased to acknowledge with thanks the services of the Member, Board of Revenue, Bihar, for his efficient administration of the Department and the services of Khan Sahib Nadir Hasan, Sub-Deputy Collector, as Assistant Superintendent of Surveys, Jamalpur Municipality and of Rai Sahib Nila Lohita Bhattacharji as Deputy Director of Surveys, Bihar.

ORDER.—Ordered that a copy of the resolution be published in the *Bihar Gazette*.

By order of the Governor of Bihar,

R. A. E. WILLIAMS,

Secretary to Government.

