

[illegible]

The columns showing percentages of enhancement should only be calculated on the monthly totals of each class. Fractions or decimals, annas and pies, are to be omitted, except in the percentage columns which may be calculated to one place of decimals, 05 and upwards and 8 annas and upwards should be shown as one acre or rupee more respectively; fractions less than half should be disregarded.

RETURN III

RETURN OF DRAFT PUBLICATION AND CASE WORK DURING THE MONTH OF

Name of Officer

District

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20									
																				NUMBER OF VILLAGES OF WHICH DRAFT PUBLICATION HAS BEEN COMPLETED.			OBJECTIONS UNDER SECTION 105, TENANCY ACT.			APPLICATIONS UNDER SECTION 106, TENANCY ACT.		
																				To end of Previous month.	During the month.	Total.	FILED.	DISPOSED OF	PENDING.	FILED.	DISPOSED OF	PENDING.
Total number of villages in Circle.		Total number of villages in which fair rents have been settled up to the end of the month.			To end of Previous month.			During the month.			Total.			To end of Previous month.			During the month.			Total.			Remarks.					

RETURN IV.

RETURN OF EXCESS LAKHIRAJ BAHAL OR JAGIR FOR WHICH RESUMPTION PROCEEDINGS MUST BE INSTITUTED.

Name of Officer

District

Serial number.	Name of village.	Name of principal lakhiraj bahaldar, or jagirdar.	General or special number	Area according to last settlement papers.	10 per cent on column 5.	Total of columns 5 and 6.	Present area.	Difference of columns 7 and 8.	Reasons for refusal of assessment on the area in column 9.	REMARKS.
1	2	3	4	5	6	7	8	9	10	11

RETURN V.

RETURN OF APPEALS TO THE SPECIAL JUDGE IN

CIRCLE FOR THE MONTH OF

District

NAME OF OFFICER.	TOTAL NUMBER OF APPEALS TO SPECIAL JUDGE.			NUMBER OF DECISIONS UPHELD.			NUMBER OF DECISIONS REVERSED.			NUMBER OF DECISIONS MODIFIED.			NUMBER OF DECISIONS REMANDED FOR RETRIAL.			REMARKS.
	To end of previous month.	During the month.	Total.	To end of previous month.	During the month.	Total.	To end of previous month.	During the month.	Total.	To end of previous month.	During the month.	Total.	To end of previous month.	During the month.	Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

REGISTER III.

Amin's fee Deposit Register.

Serial No.	Date of deposit.	From whom received.	AMOUNT.		Total carried to Cash Book.	Date of return of deposit.	Signature of party receiving deposit.	REMARKS.
			Rs.	As.				
			4					
1	2	3	4a	4b	5	6	7	8

REGISTER XXI.

Register of records open for Draft Publication.

Serial number.	Name of village.	Number of plots.	Date on which draft publication took place.	Dates between which records were open for inspection at camp.	Number of cases under section 105 and section 106 filed during the month.	NUMBER OF CASES ENTERED IN THE LAST COLUMN WHICH HAVE BEEN DISPOSED OF:			Date of return of records to head-quarters.	REMARKS. One page for each pargana.
						a	b	c		
						During period of inspection.	During 1st week after.	During 2nd week after.		
1	2	3	4	5	6	7	8	9	10	11

REGISTER XXIII.

REGISTER OF LANDS HELD BY GOVERNMENT FOR PUBLIC PURPOSES.

Name of Department.

Name of village.	Area of village.	Khasra number.	Number in Register VI.	Description of land and purposes for which held.	Area according to Register VI.	Area by present measurement.	Rent, if any, payable by Government.	Area held by tenants.	Rent payable by tenants.	REMARKS.
1	2	3	4	5	6	7	8	9	10	11

PART III.—THE PREPARATION OF COMPLETION REPORTS.

RULE 1. Every officer engaged on the settlement of fair rents should open the following register:—

Mahalwar progress Register A.

Serial number.	NAME OF VILLAGE.		AREA AT LAST SETTLEMENT.			AREA AT PRESENT SETTLEMENT.			REMARKS. [Here note if held by a proprietary tenure-holder or <i>hustabad</i> (i.e., whether <i>rajyats</i> pay rents direct to the <i>samindar</i>); and explain discrepancies of area.]
	At last settlement, with number in C Register.	At present settlement.	Assessed.	Unassessed.	Total.	Assessed.	Unassessed.	Total.	
1	2	3	4	5	6	7	8	9	10

All estates in the circle should be entered in this register, a separate page or pages being allotted to each estate, and a separate volume to each pargana. A page index of estates should be prefixed to each volume. The Assistant Settlement Officer will then fill up from the A Register, in the order of that register, the name of the old settlement villages contained in each estate, and check them with the *ruidad*, and at the same time endeavour to fill up the column for "Village at the present settlement," carefully bringing together all *kharij dakhil* villages belonging to the old settlement mauza.

RULE 2. As soon as the Assistant Settlement Officer has published the draft records of any village, he should fill up the remaining columns of this register for all estates, or portions of estates, in the village.

The entries in columns 4 and 5 should be made from the abstract registers of the last settlement, and columns 7 and 8 will be filled up from the (A) Form in the village record.

Column 8 should contain the following:—

1. Culturable and unculturable area (unassessed), not included in a holding.
2. { Grazing grounds.
Reserved tanks.
Burning ghats, &c.
3. Confirmed *jagir*.
4. Lands now granted rent-free, such as temple sites, &c.
5. *Minka* of the last settlement.

Great care should be taken that the entries in column 5, compiled from the abstract register, should give areas properly comparable with the areas given in column 8.

RULE 3. (a).—In the case of an estate which has been formed by partition since the last settlement the Assistant Settlement Officer should first make a comparison, village by village, of the area of the old estate (*taluk*), and of that of the estates into which it has been divided, so that against each old settlement village will be shown the area of the last settlement estate, and against each present survey village the areas of the lands of such of the present estates as are comprised in it.

The above entry will be made in red ink. The lands of the several estates will also be entered in black ink, each on a separate page, the old settlement columns, i.e., 4, 5, 6, being left blank, and a reference made to the page on which the total areas of the parent and partitioned estates, are compared.

The following example of the manner of filling up the register may help to explain what is meant:—

Estate "taluk Ramnagar," present tauzi Nos.			...			{			1800
									1200
									1201
Serial number.	NAME OF VILLAGE.		AREA AT LAST SETTLEMENT.			AREA AT PRESENT SETTLEMENT.			REMARKS.
	At last settlement.	At present settlement.	Assessed.	Unassessed.	Total.	Assessed.	Unassessed.	Total.	
1	2	3	4	5	6	7	8	9	10
1	Ramnagar ...	Ramnagar ... Tauzi No. 1800 ... " 1200 ... Gopalpur <i>kharij dakhil</i> Ramnagar ... Tauzi No. 1200 ...	100	200	300	...	...	...	
2	Shampur ...	Shampur ... (Tauzi No. 1201)	50	100	150	10	40	50	
3	Rampur ...	Rampur ... (Tauzi No. 1800)	50	100	150	10	140	150	
		Total ...	200	400	600	100	500	600	

Estate Ramnagar, tauzi No 1800.

Serial number.	NAME OF VILLAGE.		AREA AT LAST SETTLEMENT.			AREA AT PRESENT SETTLEMENT.			REMARKS.
	At last settlement.	At present settlement.	Assessed.	Unassessed.	Total.	Assessed.	Unassessed.	Total.	
1	2	3	4	5	6	7	8	9	10
1	Ramnagar ...	Ramnagar ...	See page 12.			50	100	150	
2	Rampur ...	Rampur ...	...	...	...	10	140	150	
		Total	...	...	...	60	240	300	

Estate Ramnagar, tauzi No. 1200.

1	Ramnagar ...	Gopalpur ... Kharij dakhil Ramnagar ... Ramnagar ...	See page 12			10	40	50	
		Total	...	...	...	20	180	150	

(b) In the case of *kot tauzis* (or estates having lands held in common) the present settlement area will be obtained by dividing the total area proportionately to the recorded shares in the *kot tauzi*. It is generally found that *kot tauzis* only occur in the cases of partition of last settlement taluks, so that the comparison of past and present areas will be made under the last rule.

RULE 4.—(1) In Register A will be entered only those estates that belong to the Assistant Settlement Officer's circle; for estates and portions of estates belonging to parganas not included in the Assistant Settlement Officer's circle, the following separate register will be kept.

The register should be opened at once. Columns 1 to 4 being filled up as directed in Rule 1:—

[illegible]

(b) In the case of *kot tauzis* or villages partly *maurusi* and partly *hastabud*, for which only one schedule has been made, the rents and areas should be divided under each class in proportion to the recorded shares. The proportionate share of the rents, areas and total number of tenants should be entered on separate pages (a), (b), (c), (d), &c., as many pages as there are estates, reference being made to the page on which the number, areas and rents are to be found. The *tauzi* numbers and the shares of the original estate which they represent should also be given.

Detailed register of mahal assets for each class of tenants in Estate , Tauzi No. , Pargana.

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A—RENT-PAYING—concd.											B.—ASSESSED TO REVENUE				
Other tenancies not binding against Government (assessed to rent.)					Chaukidari Jagirs, now assessed.			Other jagirs now assessed.			Other tenancies not binding against Government (assessed to revenue).				
Number.	Area.	Existing rent.	Settled rent.	Difference + or—.	Number.	Area.	Rent.	Number.	Area.	Rent.	Number.	Area.	Existing rent.	Valuation for revenue.	Difference + or—.
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56

B-ASSESSED TO REVENUE—concd.				TOTAL					REMARKS.
Nij jote and nij chas.			Sairat.	Number.	Area.	Existin rent.	Settled rent.	Difference + or—	(Here note the amount of concessions recommended and give reference to the paragraph of the report in which the details are explained.)
Numt	Area.	Valuation for revenue.							
57	58	59	60	61	62	63	64	65	66

The amount which is computed for bhag should be added to the existing as well as to the settled rent column, under the proper status of the tenant who is paying bhag and must be deducted from sairat.

Columns 41 to 45 will include any zamindar diya tenancies (holdings of tenure holders or of raiyats now assessed to fair rent.)

Columns 52 to 56 similar tenancies assessed to revenue.

Columns 63 will be the total of columns 3, 8, 13, 18, 23, 33, 28, 33, 38, 43, 55, 59, 60.

Columns 64 will be the total of columns 3, 8, 13, 18, 23, 33, 28, 33, 38, 43, 55, 59, 60, i.e. the valuation of nij chas should be included in the existing as well as in the settled rents.

RULE 6. As soon as the total of the settled assets of the estate has been compiled, the Assistant Settlement Officer should issue on each zamindar a special notice in the following form, calculating the revenue at 55 per cent. of the settled assets (unless he has already decided to give some other percentage); on this notice should be shown all the persons recorded for the share in which the person notified is interested, the revenue of that share and the revenue of the whole estate.

SPECIAL NOTICES

Printed forms are supplied.

To Mahal _____, Tauzi No. _____, residing at mauza.

_____ zamindar
proprietary, tenure-holder

pargana _____ zilla _____

WHEREAS the assessment of the estate _____, tauzi No. _____ of which you are recorded as a _____ Proprietor _____, is completed, and the new, Government revenue has been fixed at _____, you are hereby required to appear before me, _____ Assistant Settlement Officer, at _____ on the _____, to hear your _____ mahalwar _____ tenure-holder's Khewat read.

Any objections that you may wish to make must be preferred orally or by petition on that day. The assessment papers will be open for your inspection from _____ (date) to _____ (date), at _____ (camp).

The returns of the above notice must be carefully preserved. When persons appear in answer to these notices every effort should be made to correct and complete the list of names of proprietors as supplied by the Collector.

RULE 7. The statements that are to accompany the report are to be in the form below, with four sets of headings.

The first

Names of proprietor.	Father's name.	Residence.	Share.
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The second.

NAME OF VILLAGE			AREA			Difference.		
			At last settlement.			At present settlement.		
At last settlement.	At present settlement.		Assessed.	Unassessed.	Total.	Assessed.	Unassessed.	Total.
								+ or —

The third

CLASS OF TENANCY,	Number of holdings.	AREA.		RENTS OR VALUATIONS,					INCIDENCE PER ACRES.		
		At last Settlement.	At present settlement.	At last settlement.	At present settlement.		Difference + or -		At last Settlement.	At present settlement.	
					Exist. ing.	Settled.	Between existing and past.	Between settled and existing.		Exist. ing.	Settled.
Kharida jamabandi ...											
Kamil bazyafli ...											
Nisfi bazyafli ...											
Thani ...											
Thani-pahi mixed ...											
Settled and occupancy ...											
Non-occupancy ...											
Chaukidari-jagir resumed											
Other jagirs resumed ...											
Tenancies newly assessed											
Tenancies valued for revenue,											
Lands in the possession of proprietors.											
Sairat											
Total											

The fourth

Proposed by.	MUFASSAL JAMA.			SADAR JAMA.					PROPRIETOR'S INCOME.			Amount due to the chapkidar fund.
				At last settlement.		Proposed.		Difference.				
	Past.	Existing.	Settled.	Procen- tage.	Amount.	Procen- .	Amount.	+ or -	Present.	proposed.	Variation per cent.	

The 2nd heading is not printed on the forms, but printed slips of it are issued to be pasted on where convenient between the 1st and 3rd headings, so that, if possible, all names of proprietors as well as names of villages may be entered on the form. Separate sheets (Forms IV and V) are issued with the 1st two headings in case the entries are too numerous for the space provided on the form.

The various combinations of the form issued have been numbered I, I A, I B, I C, II, III, III A, III B, IV, V, and two sheets of slip headings numbered I and II.

Form I contains the 1st, 3rd and 4th headings, with a space for the 2nd, and is for use when a report is submitted on a single estate.

Form I A is the same with the names of classes of tenancies left blank, for use in estates containing unusual classes of tenancies.

Form I B is: Form I printed on a single sheet; this will be used when a number of small reports are sent up in one batch (the report may be written on the reverse of the form if brief enough).

Form I C, is to be filled up for any proprietary tenure contained in an estate.

Form II is to be filled up for estates partitioned since the last settlement, slip heading II being pasted in as the second heading; last settlement figures have been omitted from this form, except the incidence of rent, which should be taken from that of the parent estate.

Form III is to be filled up for the total of a group of estates partitioned since the last settlement, and Form II for each shall be enclosed therein, Form IV (comparison of area by villages, the 2nd heading) will also be filled up for the whole group and enclosed.

Form IIIA is merely a form of index to cover a batch of reports sent up together.

Form IIIB is Form III printed on a single sheet with the heading of Form IV also, and is meant to be used (instead of Forms III and IV combined) for the totals of a group of partitioned estates when that is a small group and is included in a volume of small reports sent up together (the report may be written on the reverse).

Forms IV and V, and the slip headings, have already been explained.

There is one other form issued, viz., a sheet for showing the distribution of allowances between zamindar and tenure-holders. This is meant to be fitted into the body of the written report, both sides of the sheet being written on; the reverse side can of course be used as the page before or the page after the side containing the form, and there should be no difficulty in copying so as to make the writing continuous.

RULE 8. The first thing to be done when a completion report is to be written is to fill up the above statements. This is done as follows :—

1st heading is filled up from the list supplied by the Collector, as amended by the Assistant Settlement Officer after service of notices. This heading should not be finally filled up till the day before the report is submitted.

2nd heading is copied direct from Mahal Progress Register A.

3rd heading. The 1st, 3rd, 5th, 6th, and 7th columns are copied from the totals of the detailed register of mahal assets; the 2nd and 4th from the *ruidads*, and the rest are calculated from these.

4th heading. The *mufassal jama* is the same as the total assets less any concessions given on valuations for revenue; the *sadar jama* has to be calculated; the proprietor's present income is his existing assets minus the revenue he now pays, and his proposed income is his settled assets minus his proposed revenue.

The amount that will become due to the *chaukidari* fund when the *Chaukidari* Act is introduced will be 85 per cent. of the settled rent for resumed *chaukidari jagirs*, and this has always to be included in the revenue; thus, if 55 per cent. is the percentage of revenue proposed, the *sadar jama* will be 55 per cent. of the total settled assets plus 30 per cent. of the settled rent for *chaukidari jagirs* resumed, and the amount due to the *chaukidari* fund will be (as always) 85 per cent. of the rent settled for *chaukidari jagirs* resumed. See also Part IV Rule 10.

Besides this form an English copy of the detailed register of mahal assets will be sent in with each report. If a number of reports are sent in together, these should be cut in half and bound in a volume.

If an estate is situated in one village only, this copy need not be sent in, as it will be the same as the figures in the third heading of the form.

RULE 9. The completion report of an estate should be arranged on the following plan :—

1. *History.*—An account of the various amounts of revenue at which the estate has been settled; the change in proprietorship, especially forced sales and their causes; the development of a group by partition; the number, means and position of the present proprietors; a similar history of proprietary tenures contained in the estate.
2. *Description.*—A classification of the lands according to their natural advantages and disadvantages; an account of the effects of irrigation or protection, if any; a comparison of the area with that of the last settlement; an account of the unassessed area and prospects of further increase of cultivation. It should also be stated whether the estate is scattered or compact.
3. *Result of the last settlement.*—A verbal summary of the important points of difference between the last settlement and the existing assets as shown in the 3rd heading of the form, with reference to any special variations in different parts of the estate, as may appear from the detailed register of mahal assets, and appropriate comments thereon drawn from the local experience of the Assistant Settlement Officer. An explanation of the disappearance of *thani* holdings or of existing *pahi* rents being generally lower than *thani* rents should also be included.
4. *Effects of the present proceedings.*—A verbal summary of the important variations between existing and settled assets, a brief explanation of new assessments and valuations to revenue, and of large enhancements.
5. *The actual collection of rents.*—A summary of the conclusions drawn from the preceding paragraphs, with a brief account of system of collections prevailing in the estate; and the practice as regards interest on arrears, remission, *adwabs*. Actual collection papers should be quoted, and the Assistant Settlement Officer should state whether he expects that the zamindar will find any difficulty in realizing the rents now settled.
6. *Revenue demand proposed.*—Showing the effect on the zamindar's income, and the proportion of the immediate increase in the revenue demand, and, if necessary proposing the instalments in which the increase shall be taken.
7. A list of embankments contained in the estate showing—

Village.	Khasra No.	Area,	Class.

N. B.—Class V is not to be recorded at all (See Part I, Rule 25)

8. A schedule of lands reserved for grazing and cremation grounds showing :—

Village.	Khasra No.	Area.

9. A note of any special *sairat* collections, or of any fact having an important bearing on the security of the revenue.

RULE 10.—When a pargana or other large area is being completed, a general report will be written for the whole area. It should contain a general summary on the lines given above for an estate report, and should also treat of the following matters:—

1. Boundaries and situation of the block.
2. Physical features and class of soil any special features of climate or rainfall.
3. An account of the crops grown, and of the results of crop experiments within the area (refer to the Settlement Officer, if necessary); special crops; methods of agriculture (if peculiar).
4. Communications (railways and roads); note especially if any improvements have been made since the last settlement.
5. Irrigation, if any, and its effect on rent rates. Include statistics recorded.
6. Liability to inundation or drought, protection by embankments, etc. Value of protection afforded, and the probable results that will follow the abandonment of any class III or class IV embankment.
7. Towns and markets.
8. Prices of common rice actually recorded at *hats* about the time of submission of the reports (note whether it is a year of scarcity or not). Where reports are being submitted for an area which includes a *chakla* kanungo's headquarters, Assistant Settlement Officers are requested to enter in their general or block reports of assessment, a list of prices of common rice (nothing whether the seer is 105 or 80 totals) for the years 1887—1896 in the months of—January; June, September.
9. Analysis of rates for estates or villages. Reasons why *pahi* rates are still less than *thani* rates if they are found to be so. Disappearance of *thani* holdings.
10. General condition of the people, whether emigration is common.
11. Principal products and trades.
12. Payment of village official and other customs.
13. See part III, Chapter 15, Survey and Settlement Manual, pages 106, 107, and include any other matters of general interest (the completion report of the last settlement should be consulted).

RULE 11.—Care must be taken with terminology, vernacular words are to be avoided as far as possible. If not entered in the glossary the English-equivalents should be given.

The term "rent" or "rate" is not to be used for a mere average of rents per acre. the term "incidence of rent per acre" should be used.

In classifying area do not use the word waste. The main divisions are: Cultivated or occupied area—Culturable area—Unculturable area.

RULE 12.—With the report on an estate the returns of all special notices are to be sent in a separate file. A summary of the objections filed by proprietors in half margin, with the Assistant Settlement Officer's replies in the other half, should be included in the special report.

RULE 13.—Assistant Settlement Officers submitting completion reports will keep a register in which every estate will be entered for which revenue proposals are submitted. This register will show the existing and proposed revenue of each estate, the date on which the settlement was finally sanctioned, and the dates on which *kabuliyats* were taken by the proprietor, and will submit a monthly return in the following form:—

Progress in assessment to Revenue during the month of

CIRCLE

DISTRICT

Number of estates to be dealt with.	Number for which assessment proposals have been sent up by A. S. O.			Government revenue.		Number of estates of which the settlement has been sanctioned.			Number of estates for which <i>Kabuliyats</i> have been taken.				New Government revenue for which <i>kabuliyats</i> have been executed.			Increase of Government revenue of this settlement.			Remarks.
	To the end of the previous month.	During the month.	Total.	Existing.	Proposed.	To the end of the previous month.	During the month.	Total.	Amount of revenue sanctioned.	To the end of the previous month.	During the month.	Total.	To the end of the previous month.	During the month.	Total.	To the end of the previous month.	During the month.	Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

PART IV—RULES FOR THE ASSESSMENT OF REVENUE.

RULE 1.—The Government share of the assets to be taken at the present settlement is to be ordinarily 50 to 55 per cent. Whenever it is proposed to take less than 50 per cent. or more than 55 per cent., the sanction of the Board must be obtained,

Suspensions and if necessary, remissions will be given in case of calamity as in other temporarily-settled estates.

RULE 2.—Subject to the above rule, the Settlement Officer may assess estates to a revenue of Rs. 100 or less, without special confirmation by the Commissioner.

RULE 3.—(i) If the Government revenue exceeds Rs. 100, the assessment should be submitted to the Commissioner for sanction.

(ii) If he and the Settlement Officer agree, and the percentage of the assets to be taken as Government revenue does not exceed 55 per cent., or fall below 50 per cent., the assessment may be completed, subject to the Board's general approval.

(iii) If they disagree the case will be submitted for the orders of the Board.

(iv) If the Board agree with the Commissioner, they can confirm the settlement; if they differ from him the orders of Government will be taken.

(v) The law allows no appeal against an assessment of Government revenue as of right; but the rules for revision laid down in Rule 8, page 102 of the Survey and Settlement Manual (1895), and Rule 1, page 125 of the Board's rules (1896) apply.

RULE 4.—In the following cases it may become necessary to propose an assessment of less than 55 per cent. of the assets, and even to reduce it to less than 50 per cent. and the circumstances of every such estate should be carefully considered :—

(i) Where the nominal rent-roll is higher than the rental collected owing to flood, drought, &c.

(ii) Where the zamindar's income is largely decreased, even after allowing for enhancements of rent. In this case the device of a *rassadi* or progressive enhancement for five or ten years may be resorted to.

Where neither of these causes exist, 55 per cent. should ordinarily be taken.

RULE 5.—More than 55 per cent. up to 60 per cent. may be taken in the absence of the special grounds for reduction set out above; and an existing demand should not be reduced unless it exceeds 65 per cent. of the present assets.

RULE 6.—In the assessment of revenue (as distinguished from the settlement of rents) the use of annas should be avoided as far as possible, and all assessments should, if possible, be expressed in whole rupees.

RULE 7.—Similarly, all areas should, as far as possible, be expressed in acres. In the omission of fractions in both this and the preceding rule, a unit should be substituted for every fraction exceeding one half, but this should be done intelligently, and the total of any column or line should not be allowed to differ from the true total by more than half a unit.

RULE 8.—Where the notices to the zamindars prescribed by clause 6, section 2, Regulation VII of 1822, have been served, the assessment can, if desirable, be made retrospective or take to effect from the date of the next *kist* after the completion of the assessment.

RULE 9.—*Patwari jagirs* or service lands are to be resumed and settled with landlords, the same percentage of assets being allowed as for ordinary lands.

RULE 10.—As regards the assessment of markets or hats, Government has directed that shop rents or dues taken in money or kind, which represent payment for shops or sheds or raised plinths or seats or like accommodation provided by the landlord, should not be included in the assets on which land revenue is assessed; but that ground rents proper should be included in such assets; and that no assessment should be imposed on hats which would be likely to check the increase of their numbers or prevent expenditure on improvements.

RULE 11.—It has been decided to introduce the *Chaukidari Act* in to Orissa, and the *jagirs* of *chaukidars* are accordingly being assessed to rent. Government will take 85 per cent. of these rents for credit to the *Chaukidari Fund*, leaving the zamindar 15 per cent. to cover the cost of collection. As the Government revenue assessed on these assets will not become due until the Act has been introduced, care should be taken; with reference to the rules given above for the omission of fractions of a rupee, to secure that the revenue, without the addition due to the assessment of these *jagirs*, is expressed in whole rupees and that the addition also is fixed in whole rupees, where the Settlement Officer finds it possible to do so.

Where a proprietary tenure-holder intervenes, the percentage given as collection expenses should be divided between him and the zamindar, 10 per cent. being given to the proprietary tenure-holder as the actual collector, and 5 per cent. to the zamindar on account of his responsibility for payment of the revenue.

See also Part III, Rule 8.

RULE 12.—The rents of proprietary tenure-holders, such as *mukaddams*, *Padhans*, *maurusi*, *sarbarakars* and *parsethis* are not to be judicially settled under Chapter X of the Bengal Tenancy Act, but will be left to be settled in connection with the division of the assets between Government and the zamindars.

Where there are proprietary tenures in an estate, the distribution of assets proposed should be sent up in draft to the Assistant Settlement Officer in charge before the report is submitted.

Where large reductions have to be made in the income of the proprietary tenure-holder, the following principles will be observed :—

- (1) No tenure-holder's income for the first two years of the conclusion of the settlement should be reduced by more than 20 per cent.
- (2) A further reduction of 20 per cent., but no more, may be made for subsequent years.
- (3) The tenure-holder may be given the full benefit of the increased percentage of the assets now allowed by Government to settlement holder.
- (4) When the concession in (3) proves insufficient to prevent a reduction of the tenure-holder's income below the limits prescribed in (1) and (2) above, the Assistant Settlement Officer must ascertain and report whether (a) the zamindar is entitled to a percentage of the assets, or whether (b) he can claim only the fixed income settled at the last settlement.
- (5) In case (a) in (4) above the Assistant Settlement Officer will divide the loss of revenue to be sustained by the grant of further concessions to the tenure-holder between the zamindar and Government in proportion to the share of the assets assigned to each.

The following is an example of the application of the above principles :—

AT LAST SETTLEMENT.							Present income of tenure-holder.	DISTRIBUTION OF SETTLED ASSETS.						REMARKS.
Assets.	To tenure-holder 20 per cent.	To Zamindar 15 per cent.	To Government 65 per cent.	Existing assets.	Settled assets.	For first two years			For subsequent years					
						To tenure holder 35 per cent		To zamindar 15 per cent.	To Government 50 per cent.	To tenure-holder 35 per cent.	To zamindar 15 per cent.	To Government 50 per cent.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Rs. 30	Rs. A. 7 8	Rs. A. 5 10	Rs. A. 16 14	Rs. A. 150	Rs. 200	Rs. A. P. 127 8 0 concession	Rs. 70 32	Rs. 30 —7	Rs. 100 —25	Rs. 70 6	Rs. 30 —2	Rs. 100 —4		
							102	23	75	76	28	96		

EXPLANATION.

The sums in columns 3 and 4 having been calculated on the assets at the last settlement, they remain fixed, and column 7, is column 5 less the total of columns 3 and 4.

The figure 70 in column 8 is a reduction of over 40 per cent. on the figure 127 in column 7. A concession of 20 per cent. on 127 is, therefore necessary to satisfy (1) above.

The loss of 32 thus sustained must be borne under (5) above by the zamindar and Government in the proportion of 15 to 50, i.e., 3 to 10. Thus the zamindar will lose 7, and Government 25 for the first two years.

The further reduction of 20 per cent. under (2) above, for subsequent years gives the figure 76 in column 11. The loss of 6 rupees may be roughly divided into 2 and 4 as shown in columns 12 and 13.

In the column of remarks should be entered the following note:—"The share of the assets left with the tenure-holder in excess of 20 per cent. if a *makaddam* is a temporary concession for the term of this settlement only."
15 per cent. if a *Sarbarakar*

RULE 13.—*Kabuliyats*.—The forms of *Kabuliyats* finally sanctioned by Government are given in Appendix J.

RULE 14(a).—The following monthly returns will be submitted by the Settlement Officer to the Director of the Department of Land Records and Agriculture. A copy will be sent at the same time to the Commissioner :—

The Director of Land Records will forward these returns with his remarks to the Board who will submit them to Government.

I-Detailed return of assessment of estates approved by the Settlement Officer or by higher authority in the month of 189 .

MONTHS.	Serial number.	Name of estate and tazzi number.	ATLAST SETTLEMENT.							EXISTING				AS NOW DETERMINED AND SANCTIONED.										REMARKS.	
			Area.			Assets.				Area.			Assets.	Profits of proprietor	Assets.					Government revenue.					
			Assessed.	Unassessed.	Total.	Percentage allowed to proprietor.	Amount.	Sadar jama.	Total.	Assessed.	Unassessed.	Total.			Total asset.	Percentage allowed to proprietor.	Amount retained by proprietor.	Effect on proprietor's income.		Percentage.	New-Government revenue.	Amount.	Percentage of increase.		
																		Amount.	Pers nta						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		

NOTE.—(1) Before entering the details of each month bring forward the grand total of all previous monthly return. The returns for the month should follow in detail, a monthly total should be struck, and then a grand total to date.
 (2) The amount of Government revenue should be shown in whole rupees, fractions being dealt with as laid down in rules 6 and 7 above.
 (3) The amount due for chaukidari fund should be shown in red ink under the amount of new revenue, and should be bracketted with the revenue.
 (4) The amount in column 8 is not necessarily the exact amount representing the percentage in column 7 of the amount in column 10, as the calculation is obscured by the manner in which allowances have been given to *nisfi bazyafli* and proprietary tenure-holders. A similar explanation applies to the amount in column 22.

II.-Abstract return of Assessments of estates to the end of

TOTAL NUMBER OF TEMPORARILY SETTLED AND GOVERNMENT ESTATES,	Number of such estates for which assessment proposals have been sent up by the Settlement Officer,			Number of such estates the assessment of which has been finally confirmed or revised by the Settlement Officer of by higher authority in orders received by the Settle- ment Officer.			Effect on the Government Revenue of assessments finally confirmed or revised (omit fractions of a rupee.)				REMARKS,
	To end of previous month.	During month.	Total.	To end of previous month.	During month.	Total.	Old revenue.	New revenue.	Increase.	Percentage of in- crease.	
1	2	3	4	5	6	7	8	9	10	11	12
							To end of previous month. During the month. Total.				

(b) The following monthly return will be submitted by Assistant Settlement Officers engaged on settlement of land revenue:—

A.-Progress in assessment to revenue during the month of

CIRCLE						DISTRICT													
NUMBER OF ESTATES TO BE DEALT WITH.	Number for which assessment proposals have been sent up by assistant Settle- ment officer			Government Revenue.		Number of estates for which final assessment orders passed by confirm- ing autho ity have been received by Assistant Settle- ment Officer.			Number of estates for which kabuliya have been taken.			New Government revenue for which kabuliya have been executed,			Increase of Govern- ment revenue at the settlement in the estates for which kabuliya have been taken.			REMARKS.	
	To end of previous month.	During month.	Total.	Existing.	Proposed.	To end of p erious month.	During month.	Total.	To end of previous month.	During month.	Total.	To end of previous month.	During month.	Total.	To end of previous month.	During month.	Total.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	

Reprint of miscellaneous circulars issued by the Settlement officer.

1. After proposal of rents a *terij* in the form given below should be prepared for all Government and revenue-free lands in a village, the entries being made in the following order, (1) Government lands, (2) raiyats of Government, (3) revenue-free lands, (4) tenants in revenue free lands.

Terij of Government and Revenue-free lands.

Serial number.	Name of tenant.	Number of plots.	AREA.			REMARKS.
			Cultivated.	Uncultivated.	Total.	
1	2	3	4	5	6	7

One set of consecutive serial numbers will given to all the holdings shown in the *terij* the serial number of the landlord being placed below that of the tenant.

2. After the assessment of *chaukidari* or other *jagirs* the status heading should be cut out and "*thani stithiban babat sabek jagir*" (i. e., *thani raiyat* with settled rights, formerly *jagir* land) should be substituted. The corresponding entries in the *khatians* and in the (A) form should also be altered. The arrangement of the schedule need not be altered.

9. Road Cess and Public Works Cess should be calculated at the rate of 6 pies in the rupee of rent settled, and should be entered in the rent column of *khatians* separately from the rent, for every *raiya*t, whether he be a *bazyaftidar-raiyat* or a *raiya*t paying direct to the *zamindar*, or paying to a tenure-holder.

No entry of Road Cess payable by a tenure-holder whether *bazyaftidar-tenure-holder*, or other tenure-holder, need be made; except in the case of Government estates.

No entry of Road Cess payable by a *bahaldar* (except in the case of parcels of *bahal* lands included in a Government estate) need be made; but in the case of a *bahaldar's* *raiya*t's Road Cess and Public Works Cess, at the rate of 6 pies in the rupee on the rent payable should be entered.

Under-*raiya*t's do not pay Road Cess and Public Works Cess. The entries of cesses in the *khatians* of *parganas* in which all assessment has been completed need not be corrected in camp. The entries will be made by the copying department.

4. *Preparation of Registers of Government Lands.*—Assistant Settlement Officers are requested to invariably record the names of the particular departments to which the lands belong, and also to enter the areas in the Proper division of the register of Government lands. Government lands should not be shown as *sarkari* only.

5. *Correction of Boundaries.*—During the month in which records are open for inspection after draft publication boundaries should be corrected.

Two *muharrirs* should be engaged together in this work. One *muharrir* should read from the *khatian* the *khassra* No. and the tenant's name, and the other *muharrir* should see that the entry in column 7 of the *khassra* is correct. After the whole *khassra* is corrected, one *muharrir* should take the map, read out to the other the *khassra* Nos. on N and S of each plot, the other should find the names to be entered from column 7 of the *khassra*, and the first *muharrir* should correct the boundaries in the *khatian* while the 2nd *muharrir* should correct the boundaries in the *khassra*. The boundaries in East and West in the *khatians* need not be corrected, as they are not to be copied into the record of rights.

6. *Instructions for the preparation of the schedules and the (A) Form, and for the arrangement of the khatians.*

(a) *Schedules.* All tenants for whom rents are to be fixed, or whose lands are to be assessed for revenue purposes, should be entered in the schedule in the order of the (A) Form given below. For further instructions see Part I, Rule 24.

Before draft publication the numbering of the schedule should be corrected, so as to give an unbroken serial number throughout the village. If corrections are made afterwards, numbers such as 21 (a), 21 (b) &c., may if convenient, be given. The areas and rents of *tawfir* tenants having *pahi* holdings should be, after *jamabandi*, included in the areas and rents of their original holdings.

(b) *Khatians.* After *jamabandi* *khatians* should be arranged in the order of the schedules and given serial numbers (in column 2), of which the numerator will be the "schedule," and the denominator the "*terij*" number.

(c) *A Form.* A copy of the (A) Form is given on the next page :—

STATEMENT SHOWING THE EXISTING AND THE SETTLED

Pargana

Mauza

Serial. number	NATURE OF TENANCY.	BEFORE ASSESSMENT.					
		NUMBER OF TENANTS.		AREA.		EXISTING RENT.	
		Holding under proprietors <i>mahal babat</i> or proprietary tenure-holders.	Holding under inter- mediate tenants.	<i>Mahal babat.</i>	<i>Babat under tenants.</i>	<i>Mahal babat</i>	<i>Babat under tenants.</i>
		A	D	A	D		
1	2	3	4	5	6	7 -	8
1	Kharida jamabandi tenure-holders ...						
2	Nisfi bazyafti tenure-holders ...						
3	Kamil bazyafti tenure-holders ...						
4	Ordinary tenure-holders ...						
4(a)	Tawfir tenure-holders ...						
5	Nisfi bazyaftidars who are raiyats ...						
6	Kamil bazyaftidars who are raiyats (jagiri bazyaftidars included) ...						
7	Thani raiyats ... { Thani ... Minha ...						
8	Thani-pahi mixed ...						
9	Settled and occupancy raiyats ...						
9(a)	Tawfir raiyats ...						
10	Non-occupancy raiyats ...						
11	Chandna raiyats ...						
12	Choukidars ...						
13	Patwaris ...						
14	Paiks and Khandaits ...						
1	Nij-jote ...						
2	Nij chas ...						
3	Jagir, Minha, and quit rent under Part I 14. { (a) Tenure holders (b) Raiyats ...						
4	Chakran (service Jagirs) ...						
5	Uncultivated ...						
1	Settled and occupancy raiyats holding under kharidajamabandi tenure-holder.						
2	" " nisfi bazyaftidars ...						
3	" " kamil bazyaftidars ...						
4	" " other tenure-holders ...						
5	Non-occupancy raiyats of kharidazamabandi- dars.						
6	" " nisfi bazyaftidars ...						
7	" " kamil bazyaftidars ...						
8	" " other tenure-holders ...						
9	Chandana raiyats holding under kharidajama- bandidars.						
10	" " nisfi bazyaftidars ...						
11	" " kamil bazyaftidars...						
12	" " other tenure-holders ...						
13	Under-raiyats holding under (mahal) thani, settled, pahi, and non-occupancy raiyats.						
14	" " raiyats of kharidajamabandi- dars.						
15	" " nisfi bazyaftidars who are them- selves raiyats and under-raiyats of nisfi bazyaftidar tenure-holders.						
16	" " kamil bazyaftidar who are them- selves raiyats and under-raiyats of kamil bazyaftidar tenure-holders.						
17	" " raiyats of other tenure-holders ...						
18	Raiyats of nij jote ...						

RENTS FOR EACH CLASS OF TENANCY.

Tauzi No.

AFTER ASSESSMENT.							REMARKS. Village rate.	
NUMBER OF TENANTS.		AREA.				SETTLED RENT.		
Holding under proprietors, <i>mahal babat</i> , or proprietary tenure-holders.	Holding under intermediate tenants.	<i>Mahal babat.</i>		<i>Babat under-tenants.</i>		<i>Mahal babat.</i>		<i>Babat under-tenants.</i>
		A	D	A	D			
9	10	11		12		13	14	15
A								
B								
C								

(1) It will be seldom necessary to use a large (A) Form, as there are very few estates, in which all the statuses occur. (A) Forms of a smaller size, with columns 1 and 2 blank should be generally used. The statuses are to be written in the order shown above and serially numbered for as many as exist.

(2) Resumed Jagirs will remain where they are and the second half of the A Form will be filled up for each, but the status will be corrected to "thani stithiban babat—Jagir."

(3) Valuations for revenue of Nij-jote and Nij-chas and sairat jama will be entered both in the column for existing and in the column for settled rents, sairat jama being entered against the anobadi. In the case of tenancies in which valuations for revenue have been made, and no rent has hitherto been paid, the valuation will be entered only in the column for settled rent. Where a rent is already being paid, it should be entered in the column for existing rent, and the valuation for revenue in the column for settled rent.

(4) Valuations for revenue of Dhulibhag (mahal babat, i.e., paid to the proprietor of the estate and not to middlemen) will be included in the total existing and settled rent, a note being made in the remarks column showing the amount of such valuation and the area covered by it.

(5) When the total settled rent includes rent settled for land growing crops other than staple crops, under rule 18, part I, for which a lower valuation to revenue has been made than the settled rent, the difference between the rents settled for the lands growing these crops and the valuation to revenue thereon will be shown in the remarks column against each status in which it occurs, and the total of these differences will be deducted from the grand total of the settled rent column at the foot of the Form.

Instructions as to the reduction of rent for permanent deterioration of soil.

The following instructions are issued for the guidance of an Assistant Settlement Officer in reducing rents for permanent deterioration of soil:—

1.(a) On receipt of an application from some or all of the tenants of a village on the ground of damage by deposit of sand, etc., the Assistant Settlement Officer will hold a local investigation in the presence of the representatives of the zamindars and the raiyats.

(b) If he is of opinion that the lands have really deteriorated he will demarcate on the trace the damaged lands, have a khasra prepared in the form of statement No. I, and from this prepare statement No. II. To prepare statement I, column 1 should be entered from the map and columns 2, 3 and 4 from the khasra. The khasra Nos. must be entered from the map in any order that is convenient. If the muharrihs are allowed to look through the khasra and check each plot in the map much time will be wasted.

STATEMENT No. I.

Khasra No.	Name.	Area.	Former crop.	Present crop.
1	2	3	4	5

Statement No. II can thus be filled in from the names entered in column II of statement No. I, care being taken to enter under the name of each raiyat, and under the proper heading, the totals of his depreciated area as per statement No. I. The rates in statement II and column 7 should not be filled up till after the next local inspection.

A.—Saradh (autumnal rice) land now sand.
 B.—Saradh land now Rabi.
 C.—Rabi now sand.
 Rate of reduction for A Rs. per acre.
 " " B " "
 " " C " "

STATEMENT No. II.

Serial No.	Schedule No.	Name.	Quantity of A.	Quantity of B.	Quantity of C.	Remission.	Existing rents.
1	2	3	4	5	6	7	8

(c) Taking with him these documents, he should again visit the lands and check a certain number of the entries.

(d) He will take the evidence of the zamindars' agents and some leading raiyats on the following points, among others, viz:—

The rates of rent for the several classes of land in the village.

The deductions of rent rates, if any, already given on account of the damage now complained of.

The time when the damage first began, the cause of it, and whether the deterioration is likely to be permanent.

And any other points on which he may base his finding as to the extent of the damage, its permanency and the amount of reduction that should be made.

(e) On the basis of this evidence and his own observations, and having regard to the last settlement rates and the present rates in neighbouring villages, the Assistant Settlement Officer may complete statement II by entering the amount of the reductions to be given on the several classes, and append it to his finding on the several points in issue.

(f) The Assistant settlement Officer should propose rents on this basis (or on the basis of any compromise filed by the parties which is in his opinion fair and equitable) to the zamindar and raiyats, and should get their acceptances, making such modifications as appear equitable in special cases.

(g) If any raiyats or the landlords refuse to accept a rent which he considers to be fair and equitable, the Assistant Settlement Officer may draw up a proceeding calling on them (the objecting parties) to propose a rent which they consider fair and equitable and to bring evidence. He may on behalf of Government examine such witnesses as he thinks fit including the Amin who prepared the khasra and settle such rents as he considers fair and equitable.

II. As an alternative procedure which the Assistant Settlement Officer will find convenient in the case of damage by flood, where the mischief is not so easily recognized as in the case of deposits of sand, the following is recommended :—

(a) The Assistant Settlement Officer should go to the fields accompanied by his amin, and by the zamindar and raiyats, and roughly mark out blocks which appear to have been equally affected by the floods.

(b) The amin will mark these blocks on the trace and give to each a letter A, B, C, according to the extent of damage that appears to have been done. The Assistant Settlement Officer will then hold a local inspection and after approval or modification of the blocks the amin should prepare a statement showing the present rates according to the zamindar's rent roll and the amount of remission agreed to by landlord and tenants, and get their signatures to it. The form would be only—

	Rate.	Remission.
	Rs. A. P.	Rs. A. P.
A.	2 5 6	0 12 6
B.	2 5 6	0 6 3
C.	1 9 0	0 6 3, &c.

If landlords and tenants disagree, the Assistant Settlement Officer should put down both their statements.

For the purpose of this enquiry it should be well to send a Head Muharrir or kanungo with the amin.

(c) Having made out the above statement, the Assistant Settlement Officer should see if the zamindars and raiyats admit the rates entered, and consider any objections to the rates or to the division into blocks, and should then take evidence, and record a finding as to the amount of deterioration, and the reduction that he considers fair and equitable on each class.

(d) A khatian will then be prepared for all raiyats holding lands in any of the affected blocks as follows :—

Reduction A pies 2 per gunt.
B " 1 "
C " 1 "

Name of Raiyat.	Schedul No.	Area in			Reduction proposed.	Remarks.
		Block A.	Block B.	Block C.		
1	2	3	4	5	6	7

With the help of this khatian and the ordinary schedule the Assistant Settlement Officer will be in a position to propose rents to all tenants, and, in the case of objections can proceed as before to settle a rent according to law.

(e) In order to prepare the above khatian it will probably be necessary to extract from the map a simple khasra, as

Khasra No.	Block.
1	2

III. Having completed the settlement of rents, the Assistant Settlement Officer should in all cases get from the zamindar a written acceptance of the rents settled, or refer in his proceedings to the fact that notice was duly served on the zamindar, and that he raised no objection.

VI. It will be unnecessary to get previous sanction before reducing rents, but any case presenting novel or specially difficult features should be referred for orders to the Assistant Settlement Officer in charge.

V. A report of reductions made will be submitted with the monthly returns in the following form :—

Names of village.	At last settlement.		At present settlement.				REMARKS.
	Cultivated area.	Mufassal jama.	Cultivated area.	Area affected.	Existing rent.	Settled rent.	
1	2	3	4	5	6	7	8

A short explanatory note of the cause of reduction should accompany this statement. The note should show how much the net reduction is, i.e., the amount of enhancement on lands not deteriorated should be shown.

VI. As regards the extent of reduction to be given it is difficult to give definite instructions.

The rates paid for similar land in villages where the existing rents have been retained are generally the safest guide, and if the damage has not been very recent, the price at which land is sold may afford valuable information, but generally speaking all that can be said is that no land should be assessed at less than 12 annas 6 pies per acre, and no land capable of growing rice at less than Re. 1-9 in Cuttack and Puri, or Re. 1-2-9 in Balasore.

Procedure for combined Re-attestation and Fair Rent work.

The order in which the work will be taken up is briefly as follows :—

1. Rule 11 (a) notice and notices to be served on the zamindars and proprietary tenure-holders to file *Ekpadiyas*.
2. *Sani* notice for preliminary attestation where necessary.
3. Preliminary attestation, decision of *badars*, correction of records and map, preparation of *tawfir* statements, re-arrangement of *khatians* and *misl*.
4. Preparation of Schedules, columns 1-6, and (A) Form (first portion), rough *Terij*, *tahsilalahida* statement, verification of the areas, and correction of *milan khasra*.
5. Preparation of village rate. Excess area statement, tenure-holders form, and filling in column 7 of the schedule.
6. { Final attestation and announcement of new rents.
Issue of notices under Rules 23 (a) and 19.
7. *Jamabandi* and issue of notice on absentees.
8. Completion of *Jamabandi*.
9. Writing of judgment.
10. Preparation of (A) form (second portion), re-arrangement of *khatians*, and entry in Register leading up to monthly return No. II.

Explanation—

1,2,3. Order for issue of Rule 11 (a) notice (specifying the date of final attestation) and *sani* notice for preliminary attestation, will be passed. (See specimen order sheet below). The latter notice will contain an order that all *badars* are to be filed during preliminary attestation, and will be disposed of by a certain date, which should be the day after completion of preliminary attestation. During this stage objections to entries in the record need not be made by means of petitions.—(Vide Rule 20, Part II.)

Before preliminary attestation is taken up, i.e., before the entries in the *khatians* are explained to the tenants, the old area and rent should be entered in the *khatian* from the zamindars' or proprietary tenure-holders' *ekpadiya*. The old area should be entered in the left-hand corner of the *khatian* and the rent in column 8 (a). The rent as stated by the tenants should be entered in column 8 (b). If the tenant objects to the old area as stated by the landlord, the area as stated by him should also be entered in the left-hand corner to enable the Assistant Settlement Officer to make enquiries at the time of final attestation.

At preliminary attestation the *muharrir* will explain to the raiyats on what date final attestation will be made, and that they will then hear their new rents. He will also prepare the *tawfir* statement when necessary. He will correct the records and map according to the orders passed on the *badars*, and see that the necessary notices are issued on absentees. He will enter from day to day in the order sheet a brief statement of the work done on each day.

The *khatians* will then be arranged alphabetically by status as shown in the (A) Form given in Appendix A] and given a serial No. in pencil. The serial No. will consist of a numerator, which will be the serial number running right through the village, and a denominator, which will be the serial number in a particular status. The same serial No. will afterwards be entered in column 1 of the schedule in pencil (a blank line being left between each number), and after judgment is written, the numbers will be written up in ink both in schedule and *khatians*. As it is intended that the schedules shall serve as a *terij* or index to the

khatians, the *anabadi* and *jagir* (not to be resumed) *khatians*, of each *tauzi* shall be placed after the *nijchas*, *khatians*, i.e., after the last *khatians* of the B schedule.

The *misl* will then be prepared according to the instructions given in Part II of the Rules.

4 Preliminary attestation being concluded, columns 1—6 of the schedule form given below will be filled up for the revenue-paying portion of the village (if this has not already been done at head-quarters).

Tauzi No. in Village Fargana District Village Rate.

Serial number.	Serial number of <i>khatian</i> .	Name of tenant.	Number of plots.	Old area.	NEW AREA.			Existing rent.	Proposed rent.	Whether accepted or not.	Settled rent.	Whether accepted or not.	REMARKS. (Here note reference to judgment in case of non-acceptance.)	Page No. in volume of <i>khatians</i> .
					Cultivated.	Uncultivated.	Total.							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<i>a</i>	<i>b</i>				<i>a</i>	<i>b</i>	<i>c</i>							
				A.D.	A.D.	A.D.	A.D.							

A *terij* will be prepared for Government and *bahaldar's* lands, and *raiya*ts of Government *bahaldars* only in the form given in Appendix A. The (A) form (the portion prepared before *jamabandi*) for each *tauzi*, and the *tahsilalahida* form for the whole village, including *bahal* will be made. The *tahsilalahida* form to be used is given below—

TAHSILALAHIDA FORM.

LAST SETTLEMENT.				PRESENT SURVEY.						REMARKS.
Name of Mauza.	Name of Tahsilalahida.	Area of Mauza.	Area of Tahsilalahida.	Excluding <i>bahal</i> .				Area of Mauza.	Area of Tahsilalahida.	
				Name of Mauza and tauzi No.	No. of fields.	Name of Tahsilalahida and tauzi No.	No. of fields.			
1	2	3	4	5	6	7	8	9	10	11
						<i>Add</i> Niz-mauza ... Lakhraj <i>bahal</i> (If not included above) Sarkari ... TOTAL ...	No.of fields Total	 Total	<i>Area</i>	

The areas of all *tauzies* and of the whole village will then be verified and corrected. The entries regarding areas should be made in the *khewat* part I for each *tauzi*. The totals of the pages of the *khaskra* will be verified, and the correct totals will be entered in the *milan khasra*, which will then be verified with the *tahsilalahida* form. Where separate *milan khasras* have been prepared for each *tauzi*, totals will be included under the totals in the *milan khasra* of the *niz-mauza*, and a grand total made.

This grand total must agree with the grand total area of the village entered in the *tahsilalahida* form.

The village rate will then be prepared and passed by the Assistant Settlement Officer. The excess area statement and tenure holder's form will be filled up, and column 7 of the schedule written, in accordance with the rules contained in Part I.

The village will then be ready for final attestation.

6. At final attestation the Assistant Settlement Officer will have the *khatians* and schedules before him. He will select grazing grounds, etc., according to the instructions contained in Part I. He will seal the *khatian*, and sign the entries of status and existing rent, as the *khatian* is read out. He will then announce the new rents recorded in column 7 of the schedule. He will record and initial the acceptances, and will announce to all present, and objectors (if any), that the rents will be settled on the day fixed in the Rule 53 (a) notice. On the same day Rule 23 (a) and 19 notices will be issued. The Rule 23 (a) notice must allow seven days interval after service and should, as a rule, be for a date eight days after the date of final attestation.

7. On the day fixed the Assistant Settlement Officer will proceed to read out the names and new rents of all tenants, to settle rents for the objectors, and to issue special notices on those who have not given acceptances, and who are now absent. Intermediate orders regarding the proposal of rents to absentees should be entered on the order sheet.

8. Judgment should be written three or four days after the completion of *jamabandi*, and should contain the necessary note that applications under Rule 19 will be received up to a certain date.

9. The second portion of the (A) form will now be written up from the schedules, a short note of all alterations being made in the remarks column to facilitate entry in the Register for monthly return II. This Register will then be written up.

The *khatians* must then be carefully arranged, so as to correspond with their order in the schedules, and the serial Nos. in both written up in ink.

If x be taken as the number of tenants and 25 the number of *khatians* the entries in which an ordinary muharrir can explain to raiyats in a day, the date by which *badars* should be disposed of will be $\frac{x}{25} + 1$ day after the service of *sani* notice. In a village of some 300 tenants, if one or two days be allowed for giving effect in the records to the *badar* decision and the muharrir writes 120 schedules per diem, and if three days are allowed for the other work detailed above, the dates for final attestation will be $2 + \frac{x}{120} + 3$ days after date for the decision of *badars*. When schedules are prepared at headquarters the figures $\frac{x}{120}$ will be omitted from the calculation.

Specimen order sheet for a village of 300 tenants.

	1-11-96	The record having been put up, it is ordered that :— The records be made over to Ram Das, muharrir. Rule 11 (a) notice be issued to tenants and landlords for final attestation for 21-11-96, i.e. $\left\{1 + \frac{300}{25} + 1 + 2 + \frac{300}{120} + 3\right\} = 21$.		
		<i>Sani</i> notice for preliminary attestation to be issued for 2-11-96 with the order that <i>badars</i> are to be filed and will be disposed of by 14-11-96, i.e., $\left\{1 + \frac{300}{25} + 1\right\} = 14$		
	2-11-96	The raiyats being present, <i>bujharat</i> of 25 <i>khatians</i> was made, <i>badar</i> correction in records was made, and <i>tawfir</i> statements prepared. Notice was issued on Nos. absentees to be present on 4-11-96.		
		[So on from day to day.]		
	14-11-96	13 <i>badars</i> disposed of and records corrected accordingly. Preliminary attestation being complete, order was passed that the records be put up in accordance with Rule 11 (a) notice on 21-11-96 for final attestation.		
	15-11-96	120 <i>khatians</i> were entered in the schedule, columns 1-6.		
	16-11-96	Do. Do. do. do.		
	17-11-96	60 <i>khatias</i> " " " and		
		A form and rough terij prepared.		
	18-11-96	The <i>Tahsilalahida</i> statement was prepared, the <i>milan khasra</i> corrected and comparison of areas made and the village rate was prepared and passed.		
		[So on from day to day.]		
	21-11-96	Final attestation was completed and order passed for drawing up a proceeding under Rule 23 (a), and service of it under Rule 24 (2) for 29-11-96. Rule 19 notice to issue for 23-12-96.		
	22-11-96	Proceeding under Rule 23(a) duly served.		
	29-11-96	Rents were finally proposed to the tenants. Issue special notice on Nos absentees to attend on 4-12-96.		
	4-12-96	<i>Jamabandi</i> having been completed, put up on 8-12-96 for judgment.		
	8-12-96	Judgment was delivered, and the rents proposed on 29-11-96 declared fair and equitable and ordered to be entered in the <i>khatians</i> .		
	9-12-96	All rents entered in the <i>khatias</i> and the A form completed.		
	23-12-96	No application having been made under Rule 19 (or Applications under Rule 19 having been disposed of) order was given to make over the records to.....kanungo, and to issue notice for draft publication for.....(date).		
	2-1-97	Whereas, according to the draft publication kanungo's report, draft publication was duly made on 1-1-97; ordered that records remain open in camp for inspection till 3-2-97.		
	4-2-97	Records having remained open to inspection for one month, ordered that the records be sent to the head office for copying.		
		Records having returned from office ordered that notice for final publication do issue for (date).		
		Whereas, according to the final publication kanungo's report, final publication was duly made, ordered to make the necessary entries in the <i>mahatwar khewat</i> .		

Note by Mr. H. D. deM, Carey on the organisation of a camp for the settlement of rents and assessment of revenue.

INTRODUCTORY NOTE.

The chief aims of the Assistant Settlement Officer must be (1) to get all objections recorded and corrections made before he proposes rents; (2) to get the villagers to understand their khatians and new rents before he enters into discussion with them; (3) to collect all possible information affecting the actual realisation of recorded demands before he settles new rents.

The object of this note is to show that careful attention to these points is quite consistent with a high rate of outturn, if the details of camp work are systematically arranged, and responsibility distributed between various branches.

PART I

General outline of the work of an assessment camp. A village record passes through the following stages —

1. *Record-room*—Here every record must be carefully examined, indexed, and arranged by the record-keeper at least a fortnight before it will be required for assessment. Defects should be reported to the Assistant Settlement Officer. The name of the present settlement village will also be entered against each estate contained in the Mahal Progress Register A.

N. B.—It is presumed that all last settlement names of villages and areas are entered in this Progress Register as soon as, or before, the assessment camp begins work.

2. *Entry in programme and issue of notice for assesment.*—In this stage the record passes into the hand of a head muharrir, who examines it to see if the attestation work is complete and reports to the Assistant Settlement Officer; it must be ascertained at this time that all recent partitions have been given effect to, or if not, no time must be lost in deputing an amin. The notice for assessment is then issued some days before it is intended to receive petitions, and will show that petitions will be received from a certain date to a certain date

In the interval between the issue of notice and the first date fixed for receiving petitions, the Assistant Settlement Officer will visit the village to acquaint himself with any special advantages or disadvantages of the lands, and to collect information as to the actual realisation of demands, and to interest the villagers in his procedure, in order that they may come in freely during the dates fixed for hearing petitions.

3. *Actual assessment work, during which the record is in the hands of an assessment muharrir.*—This may be subdivided as follows:—

(a) *Period for receiving objections.*—This should usually be calculated on the supposition that two-thirds of the villagers will wish to have their khatians explained to them, and that 20 khatians can be explained per day; not less than four days should, however, be given for this period, and two or more villages whose total numbers of tenants does not exceed 150 should be given to one muharrir, the period for this and each succeeding stage being calculated on this total. If a village has over 300 tenants, the record should be divided between two or more muharrirs, either by tauzis or by status, as may be most convenient.

The maximum time for this period should usually be ten days, but if owing to a large number of difficult disputes or amin's enquiries orders cannot promptly be passed on all objections, the Assistant Settlement Officer must extend the time and can give more work to the muharrir who has the record. This can be arranged by combining or dividing records as described above, but a small record must not be given to muharrir who has also a large record to work on.

The villagers usually attend from 1 to 6 P.M., and in the morning hours the muharrir will check the totalling of the schedules, and carry out all orders passed on petitions.

(b) *Preparation of record for proposal of new rents.*—Office work by assessment muharrir—calculated as follows:—

One day for competition of tamil not done during stage (a), for revising schedule totals and preparing village rate, and also one day per 75 tenants for calculation of subsidiary statements and of new rents. If a large number of orders are not passed till the end of stage (a) more than one day must be allowed to complete *tamils*, but the Assistant Settlement Officer must do his best to dispose of objections from day to day.

(c) *Proposal of new rents calculated as follows.*—One day per 50 tenants for explaining new rents and recording acceptances, one day extra for dealing with persons who have not given acceptances. The muharrir will *tamil* every morning the order passed the day before, a head muharrir actually writing the new rents and corrections of status in the khatians. One extra day will be reckoned after the above for completion of *tamil*.

4. *Completion of check by head muharrir.*—The head muharrir (as described later on) will have done all the checking that can be done during the stages preceding, but two days more may be allowed for him to complete check before judgment is signed and the record passed into the next stage.

NOTE BY SETTLEMENT OFFICER.—Assistant Settlement Officers may find it more economical for one muharrir to carry the work of his record right through till draft publication. The assessment muharrir has a knowledge of his record which the completion staff do not possess.

5. *Preparation for draft publication.*—This is done by a completion staff consisting of a head muharrir and two muharrirs (when completion reports are actually being written, a further staff of a clerk and one more muharrir is necessary). In this stage the new rents are totalled and checked, and the schedule totals of existing rent and new area are checked. Then the second half of the (A) Form, the Return II register, and the new area in Mahal Progress Register A, are simultaneously written up. The Assistant Settlement Officer then examines the areas in the Mahal progress Register, tauzi by tauzi, and if there is any discrepancy, makes the most careful enquiries to ascertain whether there are lands elsewhere which were at the last settlement included in the collections of these villages.

It will often save much trouble if before assessment he enters in pencil the new area of each village, tauzi by tauzi, in the Mahal Progress Register from the attestation record, so that before assessment begins he may see if there is any serious discrepancy to reconcile. Where a last settlement village is represented by several present settlement villages in the Mahal Progress Register, this is essential, as otherwise he will not discover the discrepancy until all the villages concerned have been assessed.

6. *Draft publication.*—(Vide paragraph 8 and Part III, paragraph 2 below.)

7. *Preparation for copying by the completion staff as in stage 4.*

The records are to be corrected according to cases; the schedule totals for existing and settled rent and new area re-totalled and re-checked; the schedules re-numbered in ink (this should not be done before) and the totals copied into the register of mahal assets. The entries in the 2nd half of the (A) Form, the Return II register and Mahal Progress Register will then be corrected simultaneously and the record returned to the record-keeper.

Copying.—The records will be sent in to one of the copying centres in batches of 10 or more, with a list showing the order in which they are to be finally published, and the Supervisor will calculate the time to be taken on each, and so arrange for their being finished in that order.

NOTE.—The Assistant Settlement Officer on first making his programme should similarly calculate so that jamabandi may be completed in compact order, beginning farthest away from his next centre, and ending the 3-mile radius of his next centre, so that work may go on continuously, the last few villages being begun from one and finished from the next centre.

NOTE BY SETTLEMENT OFFICER.—Programmes should be so arranged as to allow work to be done from April onwards in centres where bungalows are available.

Draft publication will thus be done in the same compact order, and the same order will be given for final publication.

9. *Final publication* should be made by a specially appointed kanungo. Names should be sent up at least a month before final publication begins, and the work should not begin until the kanungo can have continuous employ.

HART II.

1. *How to make a programme.*—The basis of a programme must be the time taken on stage 3, the period during which the record is in the hands of a muharrir for assessment. (vide part I), and the work will be so arranged that a record is to be given to each muharrir the day after he gives up another. Thus for a village of 150 tenants, stage 3 should occupy the following period :—

	(a) 5 days.
	(b) 3 "
	(c) 5 "
	—
Total	... 13 days.
	—

2. Thus if 10 muharrirs are employed on actual assessment work each can turn out 150 tenants in 13 days or, allowing for holidays and illness, let us say 150 tenants in 15 days or ten tenants a day, i.e., total 3,000 per month, and this with the most ample provision for every attention to villagers.

3. The Assistant Settlement Officer's programme for assessment and the head muharrir's diary should have two columns added, one to show the dates between which petitions are to be received, and the other to show the date on which the assessment muharrir's work will be concluded. The Assistant Settlement Officer must remember that he can only keep up a routine rate of progress where no serious difficulties occur. He is expected to ascertain all serious difficulties at the latest within the first few days of stage 3, and to modify his programme accordingly and re-adjust the work given to each muharrir, so that none are left idle.

PART III.

1. *Miscellaneous duties.*—The clerk will have charge of all returns except Return II, which is kept by the completion staff.

2. The draft publication kanungo is only occupied some 20 days a month at the most. When he is out he must be out continuously, and when he is in he must be employed continuously, i.e., he must have definite duties assigned to him which should generally be part of the clerks' work and may also be the preparation of returns (except Return II).

NOTE.—When a completion staff clerk exists and is not fully employed, he may be given the returns,

3. The least useful and lowest paid muharrir of the assessment staff will be kept to write notices, and will not be given assessment work. He will write all the notices for assessment, notice on absentees, and all the Assistant Settlement Officer's summons and processes, and will be under the supervision of the muharrir described in the next paragraph.

4. The amount of Rs. 15 sanctioned for a draft publication kanungo's muharrir is not always used, as the kanungo rarely has a muharrir, and if he has, he is a low-paid man.

This sum will be applied to pay a bench muharrir, whose duties will be—

(i) To put up before the Assistant Settlement Officer all badar report sheets, petitions and cases.

(ii) To write on all these, in accordance with the Assistant Settlement Officer's decision, a vernacular order showing exactly the corrections to be made in the records with reference to khatian and khasra numbers.

Thus assessment muharrirs will not be kept hanging about the Assistant Settlement Officer for orders, and will not have to search miscellaneous papers for a clue to the *tamil* of orders. Further, the checking of *tamil* will be much simplified.

If the bench muharrir is overworked, another man must be taken from the assessment staff and made assistant. It will be far more economical to have one man less on assessment than to have an indefinite mass of work distributed over all the assessment staff.

PART IV.—Duties of more responsible clerks.

1. The record muharrir must have five distinct divisions of the records—

(i) Records of which assessment work has not begun are in his sole charge, and should be methodically examined as described in Part I, paragraph 1 above.

(ii) Records required for assessment, accessible to the assessment head muharrirs and muharrirs.

(iii) Records of which jamabandi is complete, but which are not ready for copying, accessible to the completion staff. This section may be divided into two: "Before Draft Publication" and "After."

(iv) Records for final publication.

(v) *Last Settlement and Miscellaneous*.—On receipt from and issue to muharrirs in each of the first three stages.

The record-keeper is solely responsible for arranging and indexing the records according to rules, and for reporting missing or damaged papers, and at all times he is responsible for all records being properly folded and preserved and being kept in their proper racks. Each *basta* should have a label distinctive of the rack to which it belongs, which only the record-keeper should be allowed to change.

2. *Duties of the Assessment Head Muharrirs*—

(i) In consultation with the Assistant Settlement Officer to arrange a programme for each muharrir in their charge, so that all may be continuously employed, and that before the work of one is finished it may be decided which record he shall have next.

(ii) To sit for their work with the assessment muharrirs in their charge grouped round them, so that they can hear and answer questions. (In the afternoon each head muharrir must have a space round him sufficient for the records of 30 villagers.) This should secure that villagers are patiently treated and badars intelligently recorded.

(iii) At least once in three days to take up the record of each muharrir, examine it in the utmost detail, note all difficulties, complete the report sheet for the Assistant Settlement Officer, and do all the checking that can be done at that stage.

NOTE.—If there are 10 muharrirs doing assessment a head muharrir will thus have two or three records a day to examine.

(iv) The checking duties mentioned in paragraph (iii) may best be carried out on the following plan:—

All schedule totals required for the village rate to be checked; village areas as shown on every paper in the record to agree.

NOTE.—The head muharrir must himself prepare the village rate form.

One-third of all entries in subsidiary statements and all new rents, to be checked and marked, and mistakes reported to the Assistant Settlement Officer, who will decide whether any further check is necessary according to the nature of the mistakes.

The head muharrir must see that an entry has been made in pursuance of all orders passed during assessment, but will at first only check the accuracy of one-third of the *tamil* and report to the Assistant Settlement Officer for orders as to any further check.

The head muharrir must himself enter in the khatians all new rents and corrections of status.

NOTE.—It has already been shown that if a head muharrir sees each record once in three days it only means examining less than three records a day, so he can examine them very thoroughly, and this should prevent difficulties not coming to light till the last moment. If he sees a record of 150 tenants every three days he will examine it once two or three days before it is given to a muharrir, twice during the time petitions are being heard, once when new rents are being calculated, once during proposal of new rents, and once after the muharrir has done with it.

(v) If the muharrirs come from 10 to 6 the head muharrirs must come from 8 to 11, and 1 to 6, as when checking work is to be done the muharrir and head muharrir cannot both have the record; and this sort of work should be done from 8 to 10 A. M.

(vi) Head muharrirs must see that the muharrirs' diaries are properly kept up, and should keep a note-book in which to enter the records they examine daily and note mistakes as they go along for report to the Assistant Settlement Officer.

3. Completion staff Head Muharrir—

(i) To ascertain beforehand on what dates records will come in from the assessment staff, and to distribute them between his to two muharrirs.

(ii) To check all schedule totals of new rents, and one-third of those of existing rents and new area, and to report mistakes to the Assistant Settlement Officer for orders as to further check.

Before draft publication to make the entries in the Return II register, and see that entries are correctly made at the same time in the 2nd half of the (A) Form and in the Mahal Progress Register.

(iii) To see that the record is ready for draft publication in time according to the programme kept by the Assistant Settlement Officer.

(iv) To see that all orders passed after assessment are entered in the records, to check the accuracy of one-third of the entries, and to report mistakes to the Assistant Settlement Officer for orders as to further check.

(v) On completion of the correction according to cases, to re-check schedule totals [as in paragraph (ii)] and to enter them in the register of mahal assets, at the same time correcting the entries in the 2nd half of the (A) Form, Return II register and Mahal Progress Register.

(vi) To return the record at once to the record-keeper.

(vii) To total and cross total the entries in the register of mahal assets as soon as they are complete for any estates, and to report the fact to the Assistant Settlement Officer.

(viii) When a pargana is complete, to compare the return register with the Mahal Register, and to see that every entry in the former has found place in the latter (except those that refer to other parganas), and in case of any discrepancy to refer to schedule totals.

(ix) To compare the progress register with the register of mahal assets, and in case of discrepancy to refer to the schedule totals, and to see that no instances of discrepant areas have been left unexplained.

Completion staff clerk.—When a clerk has been appointed to a completion staff, he will keep Return II and its register. The duties (viii) and (ix) of the completion staff head muharrir will be transferred to him. He will also prepare an English copy of the detailed register of mahal assets, entering the names of villages as soon as possible, and the figures as soon as the entries for each estate are complete.

His chief work is to compile the completion report statements from the registers (*viz.*, from ruidads, abstract register, A Register, Mahal Progress Register A, and register of mahal assets), and he will have one muharrir to assist him. He must be good at arithmetic, as he has to calculate all the incidences of rent. His muharrir may do some of this, but he must check all.

PART V.—Important duties of the Assistant Settlement Officer.

1. To see that the programmes of each department fit into one another, and that no delay occurs in Passing from one stage to another.

2. To proportion the strength of various departments in modification of the general instructions given above, as may be found necessary, so that in no stage the work falls into arrears.

3. To dispose of all badars and cases, *village by village*, taking up about three villages a day during assessment, to dispose of all uncontested matters, or matters, decided by a few questions, in the afternoons when villagers are present, and to reserve a separate day for each village for disposing of seriously contested cases. The object of this is that persons with trivial corrections to obtain may not be detained constantly in camp, and that the assessment muharrirs may not have all the *tamil* to make on one day.

Similarly, in disposing of cases, 1, 2, or 3 days should be fixed during, and shortly after, the period of inspection for each village, so that villagers may not have to come in several times about similar disputes. If the number of cases is large, the Assistant Settlement Officer should go to the village, and having thus given every facility for the production of evidence should not ordinarily grant any adjournment.

4. As noted in Part I, paragraph 2, to visit each village before assessment begins, to collect all general information he will require for settling fair rents, and determining the revenue demand, and to induce the people to come into camp. The whole success of this scheme depends on his getting the villagers in. If the difficulty is with the zamindars or their agents (as is usually the case with petty zamindars) he should, when issuing notices for assessment, issue also on the principal shareholders a notice stating the total area and rent of their *tauzi* as attested, and that new rents are to be settled and revenue to be revised, and that if they do not produce their collection papers within the dates fixed for hearing petitions, it will be

assumed in fixing the revenue demand that all rents recorded are realised in full. This will probably bring them in. The Assistant Settlement Officer should make extracts from their palm-leaf bhians and from the receipts of selected villagers and try to ascertain actual collections for several years in individual cases. He must also ascertain how long arrears are usually allowed to run on, and in what way the zamindar takes steps to realise them, and whether in the long run he usually does realise their equivalent in cash or grain or some other fashion.

5. The Assistant Settlement Officer must arrange his camp so that each group of muharrirs works in the immediate presence of his head muharrir, and at least so that all assessment muharrirs work in his own view. Assessment muharrirs, in the afternoon must work in the open, and the Assistant Settlement Officer must sit where he can see them. A judicious selection of trees and an expenditure of Rs. 5,10 or even 15 rupees on palm-leaf screens will always make this consistent with the comfort of muharrirs and villagers.

6. If the Assistant Settlement Officer goes out on 8 mornings in the month and visits 2 villages on each of those mornings, he can visit 16 villages a month, which is the maximum he is ever likely to assess, and it will usually be possible for him to visit 2 villages between 8 and 12 A.M.

On other mornings he will (a) examine carefully the work of either his record muharrir, or head muharrir, or completion clerk, or clerk to see that their work is being thoroughly done, and all programmes are drawn up well ahead and no delays are occurring, and he will also go carefully into the work of one assessment muharrir. He will receive the head-muharrirs' reports on mistakes found in the records, and pass orders, and also see report sheets and pass orders on difficulties.

Whatever he takes up he should go into very thoroughly, as it is better to examine thoroughly the work of each muharrir once a month, than hurriedly many times.

7. In the afternoons he will have up the badar sheets and report sheets of as many muharrirs as possible and decide on the spot all he can, and fix a day for each village for seriously contested matters. He will record all acceptances he can, and every two or three days he will have to settle rents for which acceptances were not recorded. There will also be casework, and all cases under section 105 or 106 should be heard in the mornings, if possible, and on as few days as possible, whole days being set apart for such casework. Assistant Settlement Officers should in all disputes and cases and in all settling of rents, first dispose of uncontested or easily decided matters, and set apart as few days as possible for serious disputes.

8. He must most carefully arrange programmes for amins. When an amin has been sent to a village, no work in other villages must be given him as long as there is work for him in that one, and if his work gets heavy, another or more amins must be sent to the same village and kept there as long as there is work for them. If the early stages of the work are properly done, all disputes must be found out at least a week before the completion of jamabandi, and there are very rarely any disputes in which all the amins' work cannot be done in a week. If there are, they would be found out much sooner.

Re-attestation work.—Where re-attestation is necessary some slight modifications are required in the above instructions.

(1) The muharrir must have the record two or three days before the dates fixed for receiving petitions.

(2) The stage for preliminary attestation will correspond with stage 3 (a) (for receiving petitions, except that the period must be calculated for all the tenants at 20 per day).

(3) The muharrir will give up the record one day after final attestation and get another. In order to effect this, two (or if necessary more) muharrirs will be taken from the assessment staff as *khasra readers*: their duty will be to read the *khasra* to the assessment muharrirs in turn as each record is given out; also one man from the assessment staff will be appointed as assistant bench muharrir, and his duty will be to attend to any new work on all records which may have to be done after final attestation and before assessment day, and to put up records for assessment, and *tamil* (with the head muharrir) settled rents. The re-attestation and assessment muharrir will *tamil* all orders passed up to the end of final attestation, and all acceptances recorded, before he gives up the record, and there should be very little work after final attestation.

Conclusion.—The initial work in every branch, the drawing up of the first programmes and the distribution of the supervision, must be done by the Assistant Settlement Officer alone, and he must keep all the threads in his own hand.

It will be useless for the Assistant Settlement Officer merely to explain these orders to his staff and leave matters to them. They are not intended to be an addition to the mass of instructions already to be learnt by heart, but merely to give the Assistant Settlement Officer personally an idea of how to organise his staff, so that they may work with the greatest efficiency, and if he carries out the idea faithfully, I am convinced it will save him personally a great deal of labour.

Instructions drawn up by Mr. J. E. Webster for the disposal of applications under sections 105 and 106 of the Bengal Tenancy Act, and miscellaneous petitions.

I.—Miscellaneous objections.—(a) It is necessary that there should be some limit to the time during which miscellaneous petitions can be disposed of at the jamabandi stage. Generally this date should be about four days after the last day of proposal of rents and about two days before the signing of judgment.

Petitions filed after this date must be registered under section 105, and will be disposed of after draft publication.

(b) The attention of Assistant Settlement Officers is at the same time directed to the rule requiring that no village shall be shown in the returns until it is completed. Petitions should therefore be disposed of, as far as possible, before judgement is written, and Assistant Settlement Officers must be careful not to abuse the discretion given them by the preceding paragraph, so as to postpone to a later stage, work which should have been completed during jamabandi.

II.—Amins' enquiries.—(a) All applications for enquiries by amins should—like other petitions—be entered on the badar sheet if made verbally, on the order sheet if by written petition.

(b) In disposing of amins' report the Assistant Settlement Officer should, as far as possible get the parties before him, and explain his orders to them personally. He must do so in all cases involving an alteration of rent.

III.—(a) Where a rent is to be altered the Assistant Settlement Officer's order on the petition or the amin's report must state how the alteration is to be made.

(b) All orders must be in the Assistant Settlement Officer's handwriting on the order sheet or badar list. It will be the duty of the bench muharrir or clerk to write out fully in the vernacular the purport of the Assistant Settlement Officer's order, except where the changes to be made are already shown in an amin's report or other statement.

IV.—Petitions under section 105.—See Chapter 6, Part III, Survey and Settlement Manual.

(a) Such petitions must be presented in the prescribed form. No stamp is to be required on them except in the case of lakhiraj bahal lands, when they must bear a stamp of As. 8.

(b) The party presenting them should be asked if he wishes for summons to be issued to his witnesses. The Assistant Settlement Officer will then at once fix a date and pass the necessary orders as to the issue of summons, and will note whether process fees are to be levied.

(c) The petitions will be registered in the form of the Board's register of miscellaneous cases.

(d) A separate petition must be filed for each village, and the name of the village must be clearly written in the remarks column of the register.

(e) Petitions will be dealt with in the manner laid down in rule 30, Chapter VI of the Government rules under the Tenancy Act. Ordinarily it will not be necessary to record evidence, but in cases involving important interests it is as well to make a memorandum of the statements of the parties and witnesses.

(f) No separate decree is necessary in these cases, but the Assistant Settlement Officer's order should state clearly his finding and the reasons for it.

(g) Where there is a serious dispute, and the Assistant Settlement Officer has reasons to believe that the parties will not be satisfied with a summary decision, he may direct the petitioner to file an application under section 106.

(h) The Assistant Settlement Officer may in his discretion accept petitions under section 105 filed after the expiry of the period of publication.

(i) To every village record will be attached a slip in the following form :—

Serial number of petition, section 105.	Serial number of plaint, section 106.	Date of filing.	Name of plaintiff.	Date of order.	Date of tamil.	REMARKS.
1	2	3	4	5	6	7

Columns 1 and 4 must be entered up on the date on which the petition or plaint is filed.

(j) At the end of the period of draft publication the records will be made over to the completion staff, who will make all necessary corrections in accordance with the orders passed, and will initial column 7 of this slip as each order is carried out.

(k) The head muharrir should from time to time check this slip with the registers of cases under section 105 and section 106.

V.—Applications under section 106 —(a) These applications, other than those referring to lakhiraj land, need not bear any stamp. Applications referring to lakhiraj land must bear a stamp of 8 annas.

(b) In dealing with these cases the Assistant Settlement Officer must follow strictly the procedure laid down in Chapters 3 to 18 of the Civil Procedure Code.

(c) Process may be issued free of cost or, at the discretion of the Court, process fees may be taken on the scale laid down in Part I Chapter 3, paragraph 10 of the Survey and Settlement Manual.

The first order of the Assistant Settlement Officer should state whether process fees are to be taken.

(d) Summons should always be issued for disposal of suit, section 68. Civil Procedure Code.

(e) All evidence to be given on oath and recorded by the Assistant Settlement Officer in English with his own hand.

(f) In cases under section 106 there must be a formal decree signed and dated, in addition to the judgment. The period in which an appeal can be laid runs from the date of the decree, not of the judgment. The decree should therefore be prepared without delay.

The decree will set forth the details required by the Civil Procedure Code in the usual form, and will be an order directing that a certain entry in the record be made or modified, as the case may be. Printed forms of decree may be indented for. The following extract from Special Judge's No. 463, of ^{21st}/_{23rd} August 1897, is reproduced for information and guidance:—

"In accordance with the Code of Civil Procedure appellants must file a copy of the decree and judgment against which they appeal. Formal decrees are rarely passed by Settlement Officers. So I have decided that in appeals to this Court appellants should file a copy of the judgment or order against which they appeal, where there is no formal decree of the entries in the khewat or khatian or other settlement record to which they object. In furnishing copies of such entries for purposes of appeal it would be well if the Assistant Settlement Officers would add a note that no formal decree has been passed in the case in question."

(g) In their judgment and decree the rights of parties must be carefully described in terms used in the Tenancy Act., e.g. settled raiyat; non-occupancy raiyat; *thani*, settled raiyat holding at rent fixed for the term of Settlement. The meaning of the vernacular terms used to describe status, such as 'thani,' 'pahi,' 'Bahaldar,' must be always explained.

(h) Application will be registered in the form of the High Court register of civil suits, and the provisions of paragraph i, j, k, of the rules for cases under section 105 will apply to these also. Care should be taken not to receive an application until it is duly verified.

(i) Records will not be detained in camp for more than ten days after the expiry of the period of draft publication, but will be sent to the copying centre. The Assistant settlement Officer may, however, retain the khasra and trace, and after disposal of the case will send the record to the Superintendent of copying centre, who will cause the necessary corrections to be made by the *munsarim*, who will fill up and sign columns 5 and 6 of the village case slip.

(j) To cases filed after the despatch of the record to headquarters the provisions of rule 7 of the reprint of miscellaneous circulars will apply.

(k) When the Assistant Settlement Officer is called upon to send records wanted by an Appellate Court the records should be sent direct to the officer calling for them, and a letter sent to the Settlement Officer informing him that this has been done.

VI.—Interchange of information regarding cases pending under section 105 and 106 Bengal Tenancy Act.—Whenever an application under either of these sections is presented at the Head Office of a district, or before an Assistant Settlement Officer in camp, but too late to be disposed of by him before the record is sent to be copied, intimation will be sent to the Superintendent of the copying centre, who will enter the case in a register in the following form, and attach a slip on the final record if it is ready, and if not, when it is ready. He will enter in this slip the particulars in columns 2, 3, 4 and 5 of the register, and note in column 7 of the register the date on which this is done. If the record is not with the Superintendent to whom the intimation is sent, he will send it to the officer with whom the record is.

copying centres.

Name of village.	Serial number of application.	Date of application.	Name of applicant.	Officer to whom case sent for disposal.	Date of receipt of village record for copying.	Date of filling up slip on record of rights volume.
1	2	3	4	5	6	7

When records are being sent to an Assistant Settlement Officer for final publication, the record-keeper should note in the column of remarks of the chalan accompanying the records, against each village, whether any cases are pending or not. On receipt of the records the Assistant Settlement Officer should arrange for the disposal of the cases as soon as possible. Final publication need not be delayed in the villages where cases are pending, but the entries concerning the khasra numbers which are the subject of the application must not be finally published till the application has been disposed of. Assistant Settlement Officers in charge, and Assistant Settlement Officers in charge of copying establishments, should see that the record-keepers have a vernacular translation of the orders which concern them.

VIII.—*General*.—From the Special Judge's letter No. 572 of 3rd December, 1897, of which a copy has been circulated, Assistant Settlement Officers will observe—

- In these the order passed acquires no finality, and a somewhat less formal procedure may be adopted, provided always that there is enough on the record to show that the parties have been given a fair hearing, and that the Assistant Settlement Officer has grounds for his decision.

Of the five classes of embankments mentioned in Mr. Odling's note, only classes I and II will be in all circumstances permanently maintained. Class III will probably be maintained during the period of the new settlement. The question of the abandonment of class IV is still under consideration. Those entered in class V have been abandoned, and should not be recorded as the property of Government. They may be included in the *mahalanabadi khatian*. But cultivated lands should be entered in *rai-yati khatians* and assessed to rent.

(1) What benefit has been caused to the owners of the protected land, either by a rise of rents or by a more certain collection of the demand.

- The areas protected will be found marked in copies of the Public Works Department maps that will be supplied to all Assistant Settlement Officers, and the schedules accompanying the maps will give the names of the villages and the areas protected by each embankment.

[illegible]

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In the remarks column should be noted any special causes that may have led to an abnormal rise of rents or extension of cultivation.

3. If there are in the circle any lands protected by class III or class IV embankments, the Assistant Settlement Officer should ascertain—

- (1) The total assets of such area.
- (2) The present revenue payable.
- (3) The revenue the Assistant Settlement Officer would propose.

He will then estimate from the information given him by the landlords and tenants, and his own local experience, what reduction of assets might be caused by the abandonment of any such embankment, and the probable effect on the Government revenue. In considering this question the general effect over the whole area affected should be looked to, and too much stress should not be laid on damage done to a limited portion of it, even though serious.

If in the Assistant Settlement Officer's opinion immediate damage to any village site, or to any tract of country, is likely to be caused by the abandonment of a class IV embankment, a special report should be submitted to the Settlement Officer direct without delay.

4. The results of the enquiries will be scrutinized by inspecting officers, and will eventually form the subject of a paragraph in the general report for the circle or par gana.

Treatment of Lakhiraj Bahal Lands.

1. In considering whether any area is resumable as excess, Assistant Settlement Officers should, if possible, place together the area recorded in one special number, and determine whether there is a total increase of area.

If there does not appear to be excess of more than 10 per cent. of the total area included in one special number, no proceedings in regards to the excess need be taken.

2. Assistant Settlement Officers must bear in mind that we shall eventually have to re-write Collectorate B Register, Part I. With this end in view they should bring together the grants and areas as follows :—

Pargana.

Assistant Settlement Officer's serial number.	Serial number in Register B, Part I.	Serial number.	Name of Village.	General number.	AT LAST SETTLEMENT.			AREA AT SETTLEMENT PRESENT			Difference + or - between columns 7 and 10.	REMARKS.
					Area.	Deduct bazyajti.	Bahal lakhiraj bahal.	Bahal area.	Area resumed by consent.	Balance.		
1	2	3	4	5	6	7	8	9	10	11	12	13
												Give references to any outlying portions in other villages.

3. Columns 1 to 8 may be filled up at once from the B Register. If the name of the village in column 4 now differs, a note may be made in the column of remarks giving the name of the present settlement village and any necessary explanation.

Space should be left at the end of the register for entry of several numbers where special numbers are found in the register of other parganas.

4. In order to make the figures as accurate as possible, the record muharrir should initial each entry after comparison (and correction, if necessary) of the areas in columns 5, 6, 7 and 8 with the *tarmim ruidad*.

5. All entries in respect of which any discrepancies between B Register, C Register and *ruidad* are found should be made in red ink. A list of such errors with the Assistant Settlement Officer's orders should be placed in the volume, i. e., blank sheets should be bound into the volume for the Assistant Settlement Officer to record all orders of this nature. Columns 9 to 11 should be filled up as each village is assessed. An index should be prepared from the register when the assessment of the pargana is complete giving the following particulars :— Name of village, General No., page. The index should be copied on to the blank pages and should be signed by the Assistant Settlement Officer after he has satisfied himself by comparison with the village records, the B Register and this register, that the latter is complete.

6. Assistant Settlement Officers in charge are particularly requested to supervise the work of Assistant Settlement Officers in regard to the collection of general numbers under special numbers.

7. They are also asked to arrange with their Assistant Settlement Officers that copies of all information on this subject, collected by Assistant Settlement Officers in the course of their completion work, may be sent to them and kept in a permanent file, so that when the B Register, Part I, of the district is re-written it may not be necessary to do any part of this work over again.

Instructions for final publication.

1. The Assistant Settlement Officer should carefully draw up a programme for final publication with a view to avoid waste of time. Records should be published, as far as possible, block by block. Records of scattered villages should not be published unless there be special reasons for doing so. The kanungo should not start his work till all the final records of a block are received in camp. When the records are sent to a copying centre after draft publication it is advisable that a programme for final publication should be sent to the Superintendent of the centre. The Superintendent should endeavour to get the copies made before the date fixed.

2. On receipt of the records for final publication the Assistant Settlement Officer will enter them in the following register :—

Final Publication Register No. 1.

Serial number.	Number in Record-keeper's Register.	Date on which final publication notice was issued.	Date fixed for final publication.	Dates on which records were published.	Date of return to head-quarter.	REMARKS.
1	2	3	4	5	6	7

3. He will then issue notices, and cause the records to be duly published by his kanungo on the dates fixed, the procedure being the same as for draft publication, except that at the time of the final publication the raiyati copies of the final records of the revenue-paying estates will be distributed.

4. The kanungo will keep a receipt register for copies of khatians in the following form :—

Final Publication Register No. II.

Serial No. of village in Register I.	Name of village.	Number of copies of raiyati khatian.	Date of final publication.	REMARKS.
1	2	3	4	5
1	Rampur ...	200 50	28-7-97	

Khatian number.	Name of tenant who received copy.	Date of receipt and signature.	REMARKS.
1	2	3	4

5. The kanungo will enter in Register II the number of undistributed raiyati khatians in red ink below the total number of raiyati khatians as shown above.

6. The kanungo should read out the entries in the final record, and sign and date the seal at the same time as his muharrir distributes the khatians and gets the raiyats signatures.

7. The kanungo is forbidden to make any change in the final record, but if he finds that any holding has changed hands, he may give the raiyati copy of the khatian to the successor in interest, taking his signature in Register II, and make a note of the mutation in the column of remarks of that register. But where the succession is disputed, i. e., more than one successor appears, he should not distribute the khatian without the permission of the Assistant Settlement Officer.

8. The kanungo should be kept up to an average of 1,000 khasra numbers a day, and should be accompanied by a muharrir, who will assist in distributing khatians and writing up Register II.

9. The entries for each village in Register II should be signed by the kanungo.

10. The kanungo should take out with him only the final records and the raiyati copies. Working khatians and khasras should not be taken by him.

11. When the final publication is over, he must not delay unduly merely because the khatians remain to be distributed. He should inform the villagers where those who have not already got their khatians can get them. Undistributed khatians may be kept at the Assistant Settlement Officer's camp till the close of the field season.

12. Assistant Settlement Officers should endeavour to let villagers know that no mutation fees, and no fees for the rayati copies, are charged.

13. The undistributed rayati copies will be returned to camp along with the finally published records, and will be in charge of the record muharrir, who will give to any tenant his copy if he applies within a month of final publication. After this period the finally published records and the undistributed rayati copies will be sent to headquarters. They will be given out from headquarters on application.

14. The record muharrir will keep a supplementary Register II of receipts for khatians not distributed in the mufassal, entries to be made in the same way as if made by the kanungo on receipt of records after final publication.

16. The record muharrir will also keep in the following form a register leading up to the monthly return of final publication :—

Month.

Number in Register I.	Name of Village.	Area.	Number of plots.	Number of tenants.	Number who have received copies.	REMARKS.
1	2	3	4	5	6	7

17. A monthly return of final publication will be submitted in the following form along with other monthly returns :—

Monthly Return of Final Publication.

NUMBER OF VILLAGES FINALLY PUBLISHED.			Total area up to date.	Total plots up to date.	NUMBER OF TENANTS FINALLY PUBLISHED.			Total number of khatians distributed up to date.	REMARKS.
Previous.	Present.	Total.			Previous.	Present.	Total.		
1	2	3	4	5	6	7	8	9	10

18. For the purposes of final publication the following staff will be allowed :—

	Rs.
1 Kanungo	20
1 Muharrir	15
2 Peons at Rs. 5 each	10

Sanction for the entertainment of this staff for stated periods should be obtained from the Assistant Settlement Officer in charge of the district, and this staff will be expected to finally publish 30,000 plots a month.

The kanungo will be entitled to travelling allowance at the usual rate.

19. When a very large number of records have to be published, more than one kanungo may be employed with the above establishment, to expedite publication.

FORMS OF KABULIYAT AS SANCTIONED BY GOVERNMENT.

A—Form of *Kabuliyat* for proprietor where there is no proprietary tenure holder.

I take the proprietary settlement of estate _____, tauzi No. _____, district _____, for _____ years, from _____ to _____, at an annual net revenue of rupees _____, subject to the following conditions :—

1st.—I shall be at liberty to sell, alienate, otherwise transfer, the whole, or any share, of the said estate subject to the terms of this settlement ; but I shall remain liable for the revenue assessed thereon unless and until the transfer is registered under the provisions of Act VII (B. C.) of 1876. But, notwithstanding such transfer, so long as my name stands recorded in the Collector's registers, maintained under the provisions of the said Act, VII (B. C.) of 1876, or of any other similar law for the time being in force, with respect to any share or interest in the estate, I shall continue to be jointly and severally liable with other sharers, if any, for the whole revenue of the estate.

2nd.—I will pay the aforesaid amount of Government revenue, kist by kist, according to the kistbandi noted on the back of this engagement.

I hereby admit that I have no right or claim to any abatement of revenue on the ground of inundation, drought, or any other calamities of season.

3rd.—I hereby bind myself to respect the rights of all tenure-holders, under-tenure-holders, raiyats, under-raiyats and other tenants as recorded in the settlement papers, and not to collect from them any higher rents than those recorded in the present settlement proceedings otherwise than after legal enhancement.

4th.—On the expiry of the aforesaid period of settlement, I, or my legal representatives shall have the right to a renewal of the settlement on the revenue that may be then fixed, and if we do not take the settlement on the revenue that may be then fixed, we shall be entitled to receive malikana at the usual rates.

5th.—I recognize and admit that Government has the right to maintain or abandon any public embankments or drainage works upon my estate or on neighbouring land, and that payment of the land revenue of my estate is not to be dependant upon such maintenance, or to be affected by such abandonment.

6th.—If any waste lands in my estate be brought under cultivation, my right to receive the rents derivable therefrom without increase of revenue will continue during the currency of this settlement.

I hereby bind myself to preserve as grazing grounds, cremation grounds, and reserved tanks the plots specified on the reverse, and not to allow any person to cultivate such plots or any portion thereof; and I will not collect any rent on account thereof, so long as this lease continues in force. I also bind myself not to collect any money as grazing charge in respect of any of the aforesaid plots, and to take action in the course to eject trespassers from the plots hereby reserved, if the Collector require me to do so.

7th.—I admit the Government has the right to all minerals in my estate, excluding laterite and limestone, and that, in case minerals are found, Government is entitled to them and to right-of-way, and all other reasonable facilities for working and carrying away such minerals.

8th.—I hereby engage to file, in such public office as may be prescribed, any measurement, collection or other zamindari papers that may be from time to time called for from me by the Collector, or by any officer duly empowered under the rules framed by the Board of Revenue for the maintenance and correction of survey and settlement records, and to obey all the instructions contained in these rules without any objection so long as this lease continues in force.

9th.—This settlement has been made with me in anticipation of, and subject to, the sanction of the superior revenue authorities whose orders, if any, will be carried out by me with effect from the commencement of this lease. The settlement will not be valid unless it is sanctioned by such authorities or if it is set aside by them.

10th.—Neither I nor my heirs or representatives shall be at liberty to raise any objection to the remeasurement of my estate or to the preparation of a record of rights and settlement of rents, under any orders of Government which may be passed in view of settlement of the land revenue or otherwise, or to a reassessment of the land revenue, with effect from the expiry of the present settlement.

11th.—On breach of any of the above conditions, or on failure to perform any of the duties imposed upon me by the above ten clauses, I hereby acknowledge on behalf of myself, my heirs and representatives that in addition to any other penalties to which I may be liable, the Collector may, with the sanction of the Board of Revenue, take my estate under khas management and pay me malikana, as provided in sections III and V; Regulation VII of 1822.

Kistbandi.

Total amount of revenue payable.			Proportion payable at each kist.	Amount payable at each kist.			Month in which each kist falls due.	Latest day of payment.
Rs.	a.	p.		Rs.	a.	p.		

Schedule of plots reserved under clause 6.

Name of village.	Number of each plot	Purpose for which reserved.	Area.	REMARKS. (Enter any special condition, &c).
			A. D.	

B.—Form of Kabuliyat for proprietor where the whole, or a portion, of the assets is collected by a proprietary tenure-holder.

I TAKE the proprietary settlement of of estate , tauzi No. , district
, for years, from to

at, an annual net revenue of rupees

subject to the following conditions :—

1st.—I shall be at liberty to sell, alienate, or otherwise transfer, the whole, or any share, of the said estate subject to the terms of this settlement, but I shall remain liable for the revenue assessed thereon unless and until the transfer is registered under the provisions of Act VII (B.C.) of 1876. But, notwithstanding such transfer, so long as my name stands recorded in the Collector's registers, maintained under the provisions of the said Act, VII (B.C.) of 1876, or of any other similar law for the time being in force, with respect to any share or interest in the estate, I shall continue to be jointly and severally liable with other sharers, if any, for the whole revenue of the estate.

2nd.—I will pay the aforesaid amount of Government revenue, kist by kist, according to the kistbandi noted on the back of this engagement.

I hereby admit that I have no right or claim to any abatement of revenue on the ground of inundation, drought, or any other calamities of season.

3rd.—I hereby bind myself to respect the rights of all tenure-holders, under-tenure-holders, raiyats, under-raiyats and other tenants as recorded in the settlement papers, and not to collect from them any higher rents than those recorded in the present settlement proceedings, otherwise than after legal enhancement.

I will collect the amounts due from proprietary tenure-holders as recorded in the settlement papers, and will respect and observe all customary rights and special incidents of their tenures.

I will pay the whole revenue of the estate whether I collect the amounts payable by the proprietary tenure-holders or not.

4th.—On the expiry of the aforesaid period of settlement, I, or my legal representatives shall have the right to a renewal of the settlement on the revenue that may be then fixed; and if we do not take the settlement on the revenue that may be then fixed, we shall be entitled to receive malikana at the usual rates.

5th.—I recognise and admit that Government has the right to maintain or abandon any public embankments or drainage works upon my estate or on neighbouring land, and that payment of the land revenue of my estate is not to be dependent upon such maintenance, or to be affected by such abandonment.

6th.—If any waste lands in the hastabud portion of the estate be brought under cultivation, my right to receive the rents derivable therefrom without any increase of revenue will continue during the currency of this settlement.

I hereby bind myself to preserve as grazing grounds, cremation grounds, and reserved tanks the plots specified on the reverse, and not to allow any person to cultivate such plots or any portion thereof, and I will not collect any rent on account thereof, so long as this lease continues in force. I also bind myself not to collect any money as grazing charge in respect of any of the aforesaid plots, and to take action in the courts to eject trespassers from the plots hereby reserved, if the Collector require me to do so.

7th.—I admit that Government has the right to all minerals in my estate, excluding laterite and limestone, and that, in case minerals are found, Government is entitled to them and to right-of-way, and all other reasonable facilities for working and carrying away such minerals.

8th.—I hereby engage to file, in such public office as may be prescribed, any measurement, collection or other zamindari papers that may be from time to time called for from me by the Collector or by any officer duly empowered under the rules framed by the Board of Revenue for the maintenance and correction of survey and settlement records, and to obey all the instructions contained in these rules without any objection so long as this lease continues in force.

9th.—This settlement has been made with me in anticipation of, and subject to the sanction of the superior revenue authorities, whose orders, if any, will be carried out by me with effect from the commencement of this lease. The settlement will not be valid unless it is sanctioned by such authorities or if it is set aside by them.

10th.—Neither I nor my heirs or representatives shall be at liberty to raise any objection to the remeasurement of any estate, or to the preparation of a record of rights and settlement of rents, under any orders of Government which may be passed in view of a resettlement of the land revenue, or otherwise, or to a reassessment of the land revenue, with effect from the expiry of the present settlement.

11th.—On breach of any of the above conditions, or on failure to perform any of the duties imposed upon me by the above ten clauses, I hereby acknowledge on behalf of myself, my heirs and representatives that in addition to any other penalties to which I may be liable, the Collector may, with the sanction of the Board of Revenue, take my estate under khas management and pay me malikana as provided in sections III and V, Regulation VII of 1822.

Kistbandi.

Total amount of revenue payable.			Proportion payable at each kist.	Amount payable at each kist.			Month in which each kist falls due.	Latest day of payment.
Rs.	A.	P.		Rs.	A.	P.		

Schedule of plots reserved under clause 6.

Name of village.	Number of each plot.	Purpose for which reserved	Area.	REMARKS. (Enter any special condition, &c.)
			A. D.	

C.—Form of Kabuliyat for proprietary tenure-holders.

(viz., Muqaddams, hereditary sarbarahkars, parsethis and padhans and the like.)

1st.—I hereby agree to pay from _____ to _____ to the
 recorded proprietor or proprietors of estate _____, tauzi No.
 district _____, the following sums, kist by kist, on the following dates :—

Kist.	Amount.	Month in which the kist falls due.	Latest day of payment.	REMARKS.
1	2	3	4	5

N.B.—The date in column 4 shall be not less than 15 days before the end of the month specified in the last column of the kistbandi statement appended to the zamindar's kabuliyat.

2nd.—I admit that, with the permission of the Government, I am now permitted to engage and I now do engage with the abovementioned proprietor _____ as a
 proprietary tenure-holder in mauza _____, district _____, area
 _____, total mufassal jama _____.

3rd.—I shall be at liberty to enjoy the customary rights and privileges of a
 proprietary tenure-holder from _____ to _____.

On expiry of this term I, or my legal representatives, shall have the right to re-engage with the recorded proprietor to pay the sums then fixed by the orders of Government, and the same rights and privileges of a _____ proprietary tenure-holder shall then be continued to me or to my legal representatives.

4th.—On the expiry of the aforesaid period of settlement, I, or my legal representatives, shall have the right to a renewal of the settlement on the revenue that may be then fixed; and if we do not take the settlement on the revenue that may be then fixed, we shall be entitled to receive malikana at the usual rates.

5th.—I recognise and admit that Government has the right to maintain or abandon any public embankments or drainage works in the area above specified in clause 2 or on neighbouring land, and that payment of the sum specified above in clause 1 is not to be dependent upon such maintenance, or to be effected by such abandonment.

6th.—If any waste lands in the area specified above in clause 2 be brought under cultivation, my right to receive the rents derivable therefrom without any increase of the sum specified above in clause I will continue during the currency of this settlement.

I hereby bind myself to preserve as grazing grounds, cremation grounds, and reserved tanks the plots specified on the reverse, and not to allow any person to cultivate such plots or any portion thereof; and I will not collect any rent on account thereof, so long as this lease continues in force. I also bind myself not to collect any money as grazing charge in respect of any of the aforesaid plots, and to take action in the courts to eject trespassers from the plots hereby reserved, if the Collector require me to do so.

7th.—I admit that Government has the right to all minerals in my proprietary tenure, excluding laterite and limestone, and that, in case minerals are found, Government is entitled to them and to right-of-way, and all other reasonable facilities for working and carrying away such minerals.

8th.—I hereby engage to file, in such public office as may be prescribed, any measurement, collection or other papers that may be from time to time called for from me by the Collector or by any officer duly empowered under the rules framed by the Board of revenue for the maintenance and correction of survey and settlement records, and to obey all the instructions contained in these rules without any objection so long as this lease continues in force.

9th.—This engagement has been made with me in anticipation of, and subject to, the sanction of the superior revenue authorities, whose orders, if any, will be carried out by me with effect from the commencement of this lease. The engagement will not be valid unless it is sanctioned by such authorities or if it is set aside by them.

11th.—In default of fulfilment of any of the conditions specified above, the recorded proprietor may apply to the Collector, and the Collector may thereupon take the lands specified above under direct management, and I and my heirs shall have no claim to receive any allowances unless my right to receive the same has been recognised by Government in a former settlement.

12th.—In default of due payment of the sums specified in clause 1 above, the recorded proprietor shall have the right to recover such sum by suit according to the law for the time being in force.

Name of village.	Number of each plot.	Purpose for which reserved.	Area.	REMARKS. (Enter any special condition, &c.)
1	2	3	4	5
			A. D.	

APPENDIX D (1).
Copy of Tahsilalahida Statement of Village Patpur, Ph. Karimul

LAST SETTLEMENT.				PRESENT SETTLEMENT.				REMARKS.
NAME OF VILLAGE	Name of Tahsil- alahida.	Area of Nijmauza.	Area of Tahsil- alahidas.	NAME OF VILLAGE	Name of Tahsil- alahida.	Area of Nij- mauza.	Area of Tahsil- alahidas.	
1	2	3	4	5	6	7	8	9
Patpur Mahal ...	...	M. G. B. 351 14 11 A. D. 511 550		Patpur T. No. 1265 Do. 3041 Do. 3042 Do. 3043 Do. 3044 Do. 3045 Do. 3046 Do. 1265, 3041 & 3046		194-114 29-452 14-403 14-666 9-180 10-244 3-337 5-299		
	Kathahar ...	...	M. G. B. 33 23 10 A. D. 30-079	TOTAL ...	...	280-695		
						Kathahar Tauzi No. 1257.		34-553
TOTAL ...	...	311 550	30-079	...	...	280-695	34-553	
Lakhiraj Bahal Mauza Patpur		M. G. B. 30 12 2 A. D. 27 257	M. G. B. 13 1 4 A. D. 11 562	Lakhiraj Bahal Patpur	...	25-663		
	Lakhiraj Bahal, Kathahar ...	...		Public Works Department	...	40-869	4-426	
TOTAL ...	...	338-807	41-641	...	...	347-337	38-979	

APPENDIX D (2).
Copy of Collectorate C Register of Mauza Patpur, Ph. Karimul.

Serial No.	Name of Mauza.	Total area and size of Padika.	Name of Mahal or Tahsilalalida.	Area.	Rent.	REMARKS.
1	2	3	4	5	6	7
640	Patpur Ph. Karimul.	M. G. B. 452 9 8 A. R. P. 381 3 7 24 Dasti 9 Feet 10 Inches.	Patpur Kismat Mauza Do. Do. Do. Do. Do. Do. Kathahar Kismat Mauza (Lakhiraj) Hari Achariya ... Ram Panda ... Padan Achariya ... Narsinghanath Thakur <i>marfat</i> Doolab Dikhit Chandra Sikhhar Sarangi Gopal Das and Baisnab Das Gopal Das ... Chhakari Das and Kartik Das Siva Das and Karuni Das Badyanath Achariya Radhakant Thakur <i>marfat</i> Madhu Das Rasik Mahapatra Chateswar Mahadeb <i>marfat</i> Nabin Pajhari Bannali Missar and Bighna Missar Kelat Das, Naran Das, Lokenath Das Chandra Sikhhar Sarangi Jogi Das and Jujeste Das Amruta Manohi <i>marfat</i> Kalandi Swain Baur. Das	M. G. B. 278 20 11 38 9 4 19 0 4 19 6 6 12 14 3 10 0 9 4 7 8 382 8 13 Samandha M. G. B. 355 15 4 70 0 11 425 15 15 0 23 15 0 6 6 0 18 12 1 0 0 1 6 4 1 7 13 0 9 4 1 20 1 1 14 1 0 13 0 3 11 6 0 24 8 0 12 8 1 0 1 1 20 6 0 12 3 1 15 4 1 12 8 0 12 8 26 18 9 Do. 21 15 12	Rs. a. p. 165 4 7 21 5 6 10 12 0 10 10 2 6 9 0 5 4 7 2 1 6 54 14 2	
			TOTAL			
			TOTAL			
			TOTAL			

APPENDIX D (3).

Copy of Tahsilalahida Statement of Village Ahiyas, Ph. Ahiyas, Dt. Cuttack.

Serial No.	Name of village.	LAST SETTLEMENT.		PRESENT SETTLEMENT.		REMARKS.
		No. of portions of Nijmausa.	No. of Tahsilalahidas.	No. of portions of Nijmausa.	No. of Tahsilalahidas.	
1	2	3	4	5	6	7
1	Dehapara and Khyamanarainpur ...	1	10	1	6	
2	Mallickapur	1	9	1	2	
3	Junede	1	15	1	4	
4	Anandpur	3	14	3	2	
5	Jamagachha	1	9	6	...	
6	Jamagachha <i>samil</i> Joikristopur ...	1	3	...	...	
	Bindha Anandpur	2	9	2	2	
	Sason Sahapur	1	6	1	1	
9	Gopinathpur	1	5	1	2	
10	Kamalpur <i>samil</i> Sreenibashpur ...	5	17	5	1	
11	Dattapur <i>samil</i> Tildah	2	25	2	7	
12	Gekulpur	4	9	4	...	
13	Baisipan	1	13	1	...	
14	Gopinathpur <i>samil</i> Harirampur ...	1	...	1	...	
15	Hasnabad	1	3	1	...	
16	Chhakdapur	...	...	1	...	
17	Brahman	1	8	1	...	
18	Gobindpur	1	6	1	2	
19	Gopalpur	1	3	5	1	
20	Bangapur	1	9	1	...	
21	Chhachina	1	11	1	...	
22	Brindabanpur <i>samil</i> Rautsahi ...	1	15	1	...	
23	Ramnaraipur	1	1	1	...	
24	Balrampur	1	4	3	...	
25	Kanikapora	1	9	...	1	
26	Rasalpur <i>samil</i> Mallickapur	1	12	1	...	
27	Ahmadpur <i>samil</i> do	1	5	1	...	
28	Baisipan <i>samil</i> Hatwari	1	3	1	...	
29	Baisipan	1	17	1	...	
30	Baisipan <i>samil</i> Jagannathpur ...	1	3	1	...	
	Carried over ...	40	253	51	32	

APPENDIX D (3).—concl'd.

Copy of Tahsilalahida Statement of Village Ahiyas, Ph. Ahiyas, Dt. Cuttack.
—concl'd.

Serial No.	Name of village.	LAST SETTLEMENT.		PRESENT SETTLEMENT.		REMARKS.
		No. of portions of Nijmauza.	No. of Tahsil alahidas.	No. of portions of Nijmauza.	No. of Tahsil alahidas.	
1	2	3	4	5	6	7
	Brought forward ...	40	253	51	32	
31	Deypur <i>samil</i> Jageswarpur ...	1	1	1	...	
32	Khushalpur ...	1	1	1	...	
33	Kamalpur ...	6	16	6	5	
34	Saigaon <i>samil</i> Ahmadpur ...	2	4	1	...	
35	Saigaon and Dinbandhupur ...	2	2	13	1	
36	Do. <i>samil</i> Radhaballavpur ...	2	2	2	2	
37	Bindha Anandpur <i>samil</i> Rangachha...	2	17	1	...	
38	Jagannathpur <i>samil</i> Jagatpur ...	1	...	8	...	
39	Baisipan ...	...	...	1	...	
40	Kalyannagar ...	...	...	4	...	
41	Bhagabanpur ...	...	...	3	...	
42	Ishwarpur ...	...	...	3	...	
43	Jointera ...	...	...	2	...	
44	Niamatpur ...	...	...	1	...	
45	Pajrapat ...	...	...	2	...	
46	Patna Damodarpur ...	...	...	1	...	
47	Arazi Dagrai Dolesahi ...	...	...	1	...	
48	Do. do. Naranagachha ...	...	...	1	...	
49	Nityanandpur ...	...	...	1	...	
50	Bhagirathipur ...	...	...	1	...	
51	Shampur ...	...	...	1	...	
52	Ahmadnagar Oger ...	...	...	5	...	
	Total ...	57	296	111	40	

APPENDIX D. (4).

Copy of Collectorate C. Register of Village Gokulpur, Ph. Ahiyas, Dt. Cuttack.

Serial No.	NAME OF VILLAGE.	Total area and size of Padika.	Name of Mahal and Lakhirajdar.	Area.	Rent.	REMARKS.
1	2	3	4	5	6	7
	Gokulpur Ph. Ahiyas	M. 279 15 8 (Size of Padika 8 Ft. 2 In.)	Gokulpur Kismat Mauza Ditto Ditto Baisipan Kharidgi Mauza Chhakarpur patna Jagannathpur Kismat Mauza... Nilakanthpur Kharidgi Mauza Narangachhia A. D. Mauza Parmesarpur Kharidgi Mauza Parsurampur Kharidgi Mauza Tilada Kharidgi Mauza Kalyannagar Patna Ph. Katia (Lakhirej.) TOTAL Jagateswar Mahadeb <i>marfatdar</i> Satrugghan Tihari No. 36808 <i>special</i> Amruta Manohi <i>marfatdar</i> Jagabandhu Adhikari No. 36809 Kripasindhu Pati, &c. No. 36811 Madhu Satapathi No. 36812 Jagateswar Mahadeb <i>marfatdar</i> Satrugghan Tihari No. 37654 (Parganah Katia.) Satrugghan Tihari No. 36817 Bhawanath Tihari No. 36818 TOTAL	M. G. B. 107 0 4 40 4 0 29 5 11 31 3 12 Do. Do. Do. 274 9 0 0 9 3 1 20 6 0 12 8 0 13 14 0 8 5 1 0 1 0 17 4 5 6 8	Rs. a. p. 77 16 8 29 2 5 8 1 5 14 1 5 7 7 8 36 5 9 19 1 11 1 9 9 5 8 4 0 1 11 0 4 8 6 3 0 24 8 5	
	Total 53 villages					

APPENDIX

Milan Khasra Statistics

Thana Number.	NAME OF VILLAGE	Total area in acres.	CULTIVATED AREA IN ACRES.										
			RICE.			Twice cropped.	Miscellaneous crops.	Homestead lands.	Orchard and Bamboos.	Total cultivated.	Irrigated by Canal.		
			Early (Biali)	winter (Sarad.)	Spring (Dalua.)								
1	2	3	4	5	6	7	8	9	10		11	12	13
									A.	D.			
CUTTACK.													
1	Dharamsala ...	1,306	213,792	1,184	97,601	748	19,163	6,010	6,502	8	2,176	133,385	3,162
2	Cuttack ...	416	170,752	5,136	48,334	744	8,674	4,167	4,333	6	3,362	74,750	6,897
3	Jagatsingpur ...	794	235,731	3,677	124,069	116	22,550	13,658	8,434	7	3,234	175,739	31,233
4	Tirtol ...	817	106,658	478	58,322	16	8,933	1,502	4,012	9	876	74,140	10,302
5	Salapur ...	699	193,214	3,413	90,650	119	27,700	4,190	10,114	3	5,189	141,375	45,664
6	Kendrapara ...	665	149,539	1,218	81,096	231	22,191	5,466	6,376	9	2,314	118,893	17,430
7	Patamundai ...	394	85,178	197	53,915	1,738	5,807	3,607	2,386	2	383	68,033	6,060
8	Aul ...	553	38,946	145	17,094	6,869	1,313	1,639	788	...	106	27,954	...
9	Jaipur ...	703	209,824	2,628	110,710	6,855	22,721	6,353	9,813	...	3,026	161,306	17,140
Total		6,347	1,403,634	18,076	681,791	17,436	139,052	46,592	51,962	4	20,666	975,575	137,888
BALASORE.													
1	Basta ...	386	98,391	266	53,403	46	479	369	3,175	...	262	57,993	...
2	Jaleswar ...	16	1,467	49	786	...	6	65	89	...	1	997	...
3	Baliapal...	465	115,028	699	63,903	10	792	1,707	5,492	...	508	73,111	...
4	Balasore ...	563	145,533	2,159	76,764	...	174	1,781	5,764	...	854	87,496	...
5	Bhadrak ...	546	184,688	1,097	131,050	14	2,166	1,364	7,159	...	2,766	145,616	...
6	Dhamnagar ...	433	147,785	1,005	101,756	420	2,101	975	4,616	...	1,055	111,923	...
7	Basudebpur ...	247	121,018	78	78,683	1	22	160	2,760	...	394	82,094	...
8	Chandbaly ...	67	26,244	18	17,132	352	3	67	568	...	247	18,386	...
9	Soro ...	884	255,624	26	183,935	...	12	584	12,111	...	1,686	198,354	...
Total		3,607	1,095,778	5,392	707,412	843	5,755	7,066	41,734	...	7,773	775,975	...
PURI EXCLUDING KHURDA.													
1	Puri ...	802	260,428	935	143,319	14,401	6,288	4,181	3,792	...	9,180	182,097	...
2	Piply ...	794	212,296	1,512	119,264	351	28,863	4,970	6,984	...	7,182	169,125	...
3	Gope ...	614	183,103	2,807	87,776	1,903	8,020	6,308	4,348	...	2,368	113,530	...
Total		2,210	655,777	5,254	350,359	16,655	43,171	15,459	15,124	..	18,730	464,752	...
KHURDA.													
1	Khurda...	867	384,572	545	162,439	1,870	5,817	6,699	4,027	...	17,628	199,025	...
2	Banpur...	538	234,441	3	68,706	...	2,606	6,405	1,343	...	3,959	83,022	...
Total		1,425	619,013	548	231,145	1,870	8,423	13,104	5,370	...	21,587	282,047	...
GRAND TOTAL		13,589	3,774,202	29,270	1,970,707	36,804	196,401	82,221	114,190	...	68,756	2,498,349	137,888

by thanas.

CULTURABLE AREA IN ACRES.					NON-CULTURABLE AREA IN ACRES.																	
New fallow.	Old fallow.	Thatching grass.	Culturable Jungle.	Total Culturable.	Houses.	Tanks and Rivers	Canals.	Embankments.	Jheels.	Government roads.	Other roads.	Furrowing ghats.	Waste and others	Total Unculturable.								
14	15	16	17	18	19		20		21		22		23		24		25		26		27	28
					A.	D.	A.	D.	A.	D.	A.	D.	A.	D.	A.	D.	A.	D.	A.	D.		
CUTTACK.																						
4,237	4,322	729	2,488	11,776	1,614	1	14,234	3	374	7	341	9	515	9	912	9	1,383	5	170	3	49,083	68,631
7,062	3,816	524	5,834	17,236	896	9	15,532	...	390	7	638	2	696	5	1,490	5	1,761	3	510	7	56,834	78,766
3,813	1,820	40	1,153	6,826	1,766	2	19,165	1	849	3	1,043	7	827	4	267	6	1,495	8	210	9	27,539	33,166
1,404	833	...	51	2,288	855	4	6,853	4	513	5	644	3	514	3	184	2	751	7	178	3	19,735	30,230
1,875	1,078	53	610	3,616	1,736	2	17,779	2	1,072	7	1,257	7	297	4	299	4	1,600	1	1,787	...	22,394	48,223
2,700	1,121	317	111	4,249	1,236	4	6,924	7	824	7	1,221	8	448	2	285	...	838	3	225	2	14,393	26,397
1,456	1,344	17	12	2,829	473	8	3,577	5	358	5	632	1	778	...	102	5	914	5	176	4	7,903	14,316
2,473	1,503	...	17	3,993	159	8	2,641	...	23	8	64	8	170	2	10	1	92	7	31	2	3,805	6,999
6,306	8,547	214	469	15,536	1,577	...	13,986	...	560	...	661	...	1,087	...	503	...	1,347	...	168	...	13,093	32,982
31,326	24,384	1,894	10,745	68,349	10,315	4	100,693	2	4,967	9	6,206	5	5,334	9	4,055	2	9,584	...	3,458	...	214,779	359,710
BALASORE.																						
2,602	7,535	423	3,330	13,890	443	...	4,146	...	118	...	247	...	1,646	...	278	...	591	...	76	...	18,963	26,508
14	7	...	...	21	10	...	200	...	...	...	...	...	30	...	...	...	12	...	1	...	196	449
2,774	1,229	77	123	4,203	718	...	982	...	313	...	520	...	626	...	130	...	862	...	93	...	27,470	37,714
4,045	4,143	216	287	8,691	787	...	7,178	...	297	...	335	...	2,020	...	551	...	1,568	...	259	...	36,351	49,346
1,796	10,285	84	403	12,568	1,249	...	5,558	...	154	...	233	...	1,303	...	375	...	1,381	...	147	...	16,104	26,504
1,882	10,060	61	128	12,133	874	...	5,512	...	279	...	488	...	1,626	...	245	...	821	...	95	...	13,784	23,724
2,408	8,795	68	405	11,676	574	...	3,813	...	186	...	354	...	2,523	...	167	...	668	...	42	...	18,941	27,243
541	4,793	21	...	5,353	118	...	788	...	41	...	13	...	620	...	38	...	144	...	38	...	705	2,505
2,696	8,189	57	2,302	13,244	1,497	...	6,897	...	83	...	163	...	978	...	800	...	2,443	...	163	...	31,002	44,026
18,758	55,036	1,007	6,978	81,779	6,270	...	41,074	...	1,471	...	2,333	...	11,372	...	2,584	...	8,490	...	914	...	163,516	238,024
PURI EXCLUDING KHURDA.																						
3,487	6,207	131	1,182	11,007	1,997	...	15,180	...	...	...	1,297	...	5,254	...	385	...	1,691	...	232	...	41,277	67,324
2,598	1,716	51	1,547	5,912	1,688	...	9,659	...	...	...	632	...	327	...	767	...	2,062	...	221	...	21,852	37,209
3,707	6,379	217	6,467	16,770	954	...	8,207	...	...	...	55	...	447	...	84	...	1,694	...	58	...	41,306	52,803
9,792	14,902	399	9,196	33,689	4,639	...	33,046	...	...	...	1,984	...	6,028	...	1,236	...	6,447	...	521	...	104,435	157,336
KHURDA.																						
5,599	21,802	216	80,728	108,345	1,349	...	7,434	...	...	...	372	...	316	...	908	...	2,363	...	1,640	...	62,820	77,202
1,790	17,338	20	37,070	56,218	477	...	6,538	...	...	...	93	...	18,417	...	435	...	1,584	...	657	...	67,000	95,201
7,389	39,140	236	117,798	164,563	1,826	...	13,972	...	...	...	465	...	18,733	...	1,343	...	3,947	...	2,297	...	129,820	772,403
67,265	132,862	3,536	144,717	348,380	23,058	...	188,785	...	6,438	...	11,302	...	41,467	...	9,218	...	28,468	...	7,190	...	612,550	927,473

APPENDIX

Crop Statistics

Serial Thana	NAME OF THANA.	No. of Villages.	CEREALS AND PULSES.								OILSEEDS.				Condiments and Spices.	Sugarcane.
			RICE			Wheat.	Barley.	Mandua.	Other food grains including pulses.	Linseed.	Til.	Castor Oil.	Others.			
			Early or Biali.	Winter (or Sarad).	Spring (or Dalua).											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CUTTACK																
1	Dharamsala ...	1,306	18,857	97,638	748	15	3	1,254	2	23,639	...	17	256	348	15	151
2	Cuttack ...	416	11,753	48,249	744	...	...	2,878	1	11,399	8	42	22	62	18	42
3	Jagatsingpur ...	794	18,605	125,452	194	6	9	7,645	131	26,803	2,898	429	284	1,031	90	158
4	Tirtol ...	817	6,790	58,554	16	...	2	2,651	5	9,624	...	32	53	65	...	13
5	Salapur ...	699	22,700	91,561	119	...	8	7,799	25	29,670	165	36	157	193	20	134
6	Kendrapara ...	665	17,586	81,878	209	141	486	5,282	91	23,807	69	21	154	1,237	363	71
7	Patamundai ...	394	5,273	53,963	1,738	17	23	953	96	8,303	10	3	54	171	65	3
8	Aul ...	553	1,362	17,115	6,872	74	23	87	...	2,454	...	6	1	228	68	...
9	Jaipur ...	703	25,075	110,710	6,855	78	3	345	122	26,990	44	17	84	478	56	85
	Total ...	6,347	128,001	685,122	17,435	331	557	28,894	473	1,62,719	3,194	603	1,065	3,863	695	657
BALASORE																
1	Rasta ...	386	266	53,403	46	...	...	1	...	310	1	2	2	4	1	5
2	Jaleswar ...	16	49	786	...	...	...	...	...	3	53	...	...	...	...	4
3	Balaspel ...	465	698	63,903	11	...	...	...	...	1,109	31	61	109	116	17	38
4	Balasore ...	563	2,158	76,764	...	...	...	...	...	1,383	82	13	32	10	7	29
5	Bhadrak ...	546	3,263	131,050	14	...	...	...	...	2,462	...	13	24	24	70	83
6	Dhamnagar ...	433	2,608	182,691	...	...	...	...	...	2,436	1	7	2	10	2	271
7	Basudebpur ...	247	73	78,750	1	...	...	...	...	96	...	2	...	...	...	15
8	Chandbally ...	67	19	17,132	352	...	...	2	...	48	...	...	...	...	...	1
9	Soro ...	884	38	183,935	...	...	...	11	...	284	...	...	...	2	27	25
	Total ...	3,607	9,166	708,369	424	...	...	14	...	8,131	168	98	169	166	124	471
PURI EXCLUDING KHURDA.																
1	Puri ...	802	4,112	146,050	14,049	3	...	1,720	62	8,095	49	31	41	58	18	38
2	Pipli ...	794	17,732	130,356	350	...	...	2,029	...	31,728	48	34	102	25	1	224
3	Gope ...	614	6,855	89,165	1,923	3	...	5,014	22	10,309	41	11	353	297	8	301
	Total ...	2,210	28,699	365,571	16,322	6	...	50,132	84	50,132	138	76	496	380	27	563
KHURDA.																
1	Khurda ...	867	1,276	167,416	2,055	...	...	1,294	...	9,740	2	288	62	73	4	28
2	Banpur ...	558	3	71,309	...	...	...	3,125	...	4,336	17	71	858	52	1	21
	Total ...	1,425	1,279	238,770	2,055	...	...	4,329	...	14,076	19	359	920	125	5	49
	GRAND TOTAL ...	13,589	167,145	1,997,833	36,236	337	557	42,000	557	235,058	3,519	1,136	2,650	4,534	851	1,740

F.

by Thana.

FIBRES.			DYES.			DRUGS AND NARCOTICS.			Inkar grass.	Homestead Lands.	Fodder crops.	Garden produce and fruit bearing orchards.	MISCELLANEOUS CROPS.				Total.	Area cropped more than once.	(35.36) Net area cropped.	Remarks.			
Cotton.	Jute.	Others.	Saffron.	Indigo.	Others.	Pan.	Tolacco.	Other.					Food.			Nonfood.							
													Yam.	Brinia.	Others.								
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38			
CUTTACK.																							
27	53	52	5	...	...	13	197	...	1	6,521	...	2,179	12	36	509	3	152,543	19,163	133,385				
14	3	1	...	...	...	54	33	17	...	4,355	...	3,962	49	158	151	8	83,444	8,674	74,750				
525	15	15	...	...	10	61	1,939	9	...	8,453	...	3,234	...	82	157	64	198,289	22,550	175,739				
228	5	...	1	1	8	...	34	4	...	4,035	...	876	...	7	66	...	83,073	8,933	74,140				
617	63	16	1	8	79	31	85	23	2	10,114	...	5,189	4	76	166	14	199,075	27,700	141,375				
297	341	...	2	...	4	1	157	2	3	6,391	...	2,314	11	55	105	6	141,084	22,191	118,893				
21	...	...	...	...	...	1	265	2	...	2,388	...	383	...	33	42	3	73,840	5,837	68,003				
1	...	...	...	...	1	...	40	...	...	792	...	106	...	12	24	1	29,267	1,313	27,954				
52	132	10	1	1	5	13	450	5	24	9,010	...	3,026	...	85	236	35	184,027	22,721	161,306				
1,782	612	94	11	10	107	174	3,200	62	30	52,059	...	20,666	76	544	1,456	134	1,114,627	139,052	975,575				
BALASORE.																							
...	...	...	...	...	...	...	...	...	...	3,175	...	262	...	34	2	...	57,514	479	57,993				
...	1	...	...	...	...	...	...	...	...	89	...	1	...	...	4	...	990	7	997				
...	88	...	...	...	...	78	...	...	...	5,492	...	503	17	6	33	2	72,319	791	73,111				
1	26	22	...	...	...	...	...	1	...	5,764	...	854	...	170	6	1	87,323	174	87,496				
52	5	...	...	...	...	12	4	...	14	7,159	...	2,766	1	672	...	2	147,690	2,166	145,524				
25	4	4	2	...	...	23	13	...	78	4,616	...	1,055	2	178	...	1	114,024	2,101	111,928				
13	5	...	...	...	...	...	...	...	...	2,760	...	394	...	51	...	...	82,115	22	82,094				
1	...	...	...	...	...	...	...	...	...	568	...	247	...	19	...	...	18,389	3	18,396				
19	9	8	...	...	1	8	...	...	1	12,111	...	1,686	2	198	...	...	198,365	12	198,354				
111	138	34	2	...	1	121	17	1	93	41,734	2	7,773	21	1,328	47	6	778,729	5,755	775,975 (a)				
PURI EXCLUDING KHURDA.																							
15	15	...	5	...	1	77	23	2	...	3,792	...	9,180	25	417	408	28	188,312	6,216	182,097				
87	4	...	35	9	11	42	110	6	...	6,966	...	7,195	2	358	484	31	197,987	28,86	169,125				
179	2	...	...	4	59	55	16	...	...	4,348	...	2,368	2	185	16	17	121,550	8,020	113,530				
281	21	...	40	13	71	174	149	8	...	15,106	...	11,743	29	960	908	76	507,849	43,098	464,752				
KHURDA.																							
126	120	2	...	...	...	30	6	...	14	4,027	17,628	...	...	371	301	24	204,843	5,817	199,025				
15	42	...	...	...	...	...	2	...	...	1,343	...	3,959	...	311	164	...	85,628	2,606	83,022				
141	162	2	...	...	...	90	8	...	14	5,370	17,628	3,959	...	682	465	24	290,471	8,423	282,047				
2,313	993	130	53	23	179	499	3,374	71	197	114,269	17,630	51,141	126	3,514	2,876	240	2,691,676	196,328	2,498,349				

(a) In Balasore the figures cannot be reconciled with the milan khaara owing to some anomalies in the entries in respect of twice cropped lands.

APPENDIX G.

Lists of embankments in the Orissa Circle prepared in the Chief Engineer's Office, showing those it is proposed to retain after the new settlement, dated the 19th April 1894.

MAHANADI DIVISION—CLASS I.

Canal embankments which are intended to be above high flood level.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank	LENGTH.		When last re-paired.	Condition.	Subdivision No.	REMARKS.
						Miles.	Feet.				
48	...	Tulsipur ...	Cuttack	Mahanadi	Right	...	2,600				
49	...	Pullana ...				...	2,570				
50	...	North of burial-ground. Cuttack, and from Birunassy to cemetery.				1	1,300				
51	...	Cemetery to Fassidebar				...	1,070				
52	...	Fassidebar to Gurguria				...	1,900				
53	...	North of Cuttack town...	Cuttack, Bakra-bad and Kodindah.	Mahanadi	Right	...	160				
54	...	Mustanghat to Jobra lockhead of Taldanda Canal.				1	125				
55	...	Jobra to Pilgrim Road, Pilgrim Road to Sukpyka.				9	...				
69	...	Pulloniagon to Taharpur	Balubisi			2	410				
		Total	...			15	175				
86	...	Sukpyka right, Aitpur to Aurang.	Kodinda h, Panid a h, and Ballubisi.	Sukpyka	Right	15	...				
87	...	Sukpyka right, Aitpur Aurang.				3	3,660				
		Total	...			18	3,660				
261	...	Daib embankment from 8 miles to 24 miles, passing through mauzas Patingang, Nakulang. Palso, Kodalo, Eksuda, Kalo Putsora, Aranga, Alipiningal, Kolar, Phular, Salgaon, Sainto, Khurua, Nuapari, Saidabad, Debidole, Golderi, Pakol, Anutpur, Panchpa, Alana, Changalo, Konsegen, Pakhamul, Bachala, Dhunadalon, Bitpara, Sikur.	Harihur pur, Saibir, Deogaon and Kata.	Daib	Left	16	570				
		Grand total	...	...	...	49	4,405				

Abstract.

River.	Bank.	LENGTH.	
		Miles.	Feet.
Mahanadi	Right	15	175
Sukpyka	Do.	18	3,660
Daib	Left	16	570
Total	...	49	4,405

MAHANADI DIVISION.—CLASS II.

Agricultural embankments, mostly above present high flood level which will probably be permanently maintained at their present height.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS.
						Miles.	Feet.				
	1	Head to Hyedpore ...	Balubissi ...	Pyka ...	Right	5	3,205	1889-90	Fair ...	4	
	2	Sunksar ...	Jhunkur ...	Do. ...	Do. ...	...	2,700	Ditto	Do. ...		
	3	Derkuna ...	Amartak ...	Do. ...	Do. ...	...	1,480	Ditto	Do. ...		
		Total ...	...	...	...	6	2,105				
	9	Patuali ...	Jhunkur ...	Patuali ...	Do. ...	1	99				
	47	Nuasahi to Talgur ...	Cuttack ...	Mahanadi	Do. ...	1	3,620	8990-	Good ...	2	
	90	Tulsipur ...	Cuttack and Bakrabad	Katjuri	Left	5	5,247	1889-90	Fair ...	3	
	91	Goparapatna ...	Kodindah ...			...	490				
	92	Mutgajpur ...				...	128				
	93	Ditto ...				...	2,130				
	94	Halsye ...				...	2,707				
	95	Rajhansa ...				...	2,300				
	96	Ditto ...				...	3,600				
	97	Ditto ...				...	833				
	98	Paramahansa ...				...	720				
	99	Ditto ...				...	1,700				
	100	Ditto ...				...	510				
	101	Raghunathpur ...				...	1,590				
	102	Ditto ...				...	1,300				
	103	Ditto ...				...	340				
	104	Ditto ...				...	300				
	105	Ditto ...				...	3,030				
	106	Ditto ...				...	170				
	107	Ditto ...				...	1,390				
	108	Ditto ...				...	1,210				
	109	Ditto ...				...	315				
	110	Ditto ...				...	660				
	111	Ditto ...				...	370				
	112	Ditto ...				...	420				
	113	Ditto ...				...	1,136				
	114	Ditto ...				...	40				
	115	Ditto ...				...	50				
	116	Ditto ...		...	1,325						
	117	Kaigunga ...	Kodindah and Huriharpur.	...	1,395						
	118	Utur Sasum ...		...	2,650						
	119	Barera ...	Huriharpur ...	...	2,430						
		Total ...	...	...	...	12	3,526	1889-90	Fair ...	2	
	152	Naraje and Bidharpur ...	Patuali ...	Katjuri ...	Right ...	1	1,588				
	261A	Daib embankment from 0 to 7 miles 4,710 feet, passing through Ballia, Bhowanipur. Ballia. Soda, Bhagalpur, Burburpatna, Ram-bhadnipur, Jahanpur. Lochipur, Kantlow, Bhukanji, Gharimul, Mundilow, Patnigang	...	Daib ...	Left ...	7	4,710				
		GRAND TOTAL ...	...		...	30	5,088				

Abstract.

River,	Bank.	LENGTH.	
		Miles.	Feet.
Pyka ...	Right ...	6	2,105
Patuali ...	Do. ...	1	99
Mahanadi ...	Do. ...	1	3,620
Katjuri ...	Left ...	12	3,526
Ditto ...	Right ...	1	1,588
Daib ...	Left ...	7	4,710
Total ...	...	30	5,088

MAHANADI DIVISION.—CLASS III

Embankments which eventually it will probably be desirable to abandon, but which it is proposed to retain for the present.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired	Condition.	Subdivision number.	REMARKS
						Miles.	Feet.				
	154	Jhinra ...	Bakrabad ...	Katjuri ...	Right	1	900	1889-90	Fair ...	3	
	155	Berhampore ...				...	1,370				
	156	Ditto ...				...	420				
	157	Monibar ...				...	1,580				
	158	Ditto ...				...	1,500				
	159	Airybangh ...				...	1,077				
	160	Rotrapur ...				...	916				
	161	Katpara ...				...	1,440				
		Total ...	..	...	...	1	4,023				

Abstract.

River.	Bank.	LENGTH.	
		Miles	Feet.
Katjuri ...	Right ...	2	4,023

BRAHMINI-BYTURNI DIVISION.—CLASS I.

Can 1 embankments which are intended to be above high flood level.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS.
						Miles.	Feet.				
1	...	Gopinathpur	...	Karimeral...	Mahanadi	Left	1	3,930	1889-90	Good ...	2
2	...	Puschim kutch	...				...	4,320			
4	...	Pulkutch	...				...	5,150			
		Total	...				3	2,840			
29	...	Patpore	Saraswati ...	Chittrotola	Left	...	...	1,460	1890-91 1888-89	Very fair, requiring petty repairs in places.	2
	...	Thirtole	Karimal ...				...	2,454			
30	...	Raghabpur	...				...	268			
31	...	Ditto	...				...	585			
32	...	Ditto	...				...	385			
33	...	Ditto	Saraswati ...				...	100			
34	...	Ditto	...				...	2,370			
34	...	Ditto	...				...	2,350			
35	...	Rudpur	...				...	420			
		Total	...				2	5,112			
65	...	Sadaknuggur	...	Serang ...	Nuna ...	Left	...	2,200	1892-93	Good ...	2
	...	Barapara	...				...	413			
	...	Hanupur	...				...	1,298			
	...	Khunda sabi	...				...	4,475			
	...	Baliapada	Assuressur ...				...	1,100			
		Total	...	...	...	...	1	4,206			
66	...	Baliapada	...	Assuressur...	Nuna ...	Left	...	3,720			
	...	Sankilow	...				...	685			
		Total	...	...	...	...	...	4,405			
85	...	Jagatpur	Padampur ...	Beropa ...	Right	1	1,590	1889-90	Fair ...	2	
101	...	Buktiarpur	...	Utikhan ...	Brahmini...	Do.	...	800	1888-89	Do. ...	3
101	...	Alba	...				...	3,200			
		Total	...	...	...	...	...	4,000			
102	...	Damerpur	Demerpur ...	Brahmini...	Right	4	2,260	1889-90	Do. ...	3	
		GRAND TOTAL	...	...	...	15	3,293				

Abstract.

River.	Bank.	LENGTH.	
		Miles.	Feet.
Mahanadi	Left	3	2,840
Chittrotola	Do.	2	5,112
Beropa	Right	1	1,590
Brahmini	Do.	5	980
Nuna	Left	2	3,331
Total	.....	15	3,293

BRAHMINI-BYTURNI DIVISION.—CLASS II.

Agricultural embankments, mostly above present high flood level, which will probably be permanently maintained at their present height.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition	Subdivision number.	REMARKS.					
						Miles.	Feet.									
	5 7 8	Artang Bahujung Barimul	Serang Balibis Do.	Mahanadi	Left	...	3,980 4,170 2,500	1891-92 1891-92 1889-90	Good ...	2						
		Total					...	2				90				
		Daribil Janatolong Kisolo Joyatalung	Balibis			Kani	Left	...				1,120 1,200 950 2,780	1889-90	Pretty fair	2	
		Total		.....	.....			...	1	770						
	9	Bhagawanpur Tendakoda Nayanpur Magong Bhinda Arabole Basantpur Naradu Kusumpur		Balibisi	Pyka			Left	...	1,300 1,200 3,000 2,000 1,230 2,920 4,670 2,400	1889-90	Do. ...					2
		Total	.....			.....	...		3	2,880						
	10	Palsuda Bali Debi Lunkapara Bhadilow Pundilow Surulpur Tenthole Sikole Barana Patsura Bamrah Satula Ergari	Balibisi			Pyka	Left		...	2,680 520 1,500 2,100 3,900 1,400 800 1,300 1,500 1,920 4,680 1,800 1,715			1891-92	Fair ...	2	
		Total		.....	.....			...	4	4,695						
	11	Amben Dhurby Do.		Abartak	Pyka			Left	...	3,400 400 300	1889-90	Do. ...					2
		Total	.....			.....	...		...	4,100						
	12	Kesardah	Abartak			Pyka	Left		...	185			1889-90	Do. ...	2	
	13	Bilaspur Jagarnathpur		...	...			...	4,800 1,670	1889-90	Do. ...	...				
		Total						...	1							
	14	Uksye Serasta Tipri Anupala	Abartak	Pyka	Left	...	1,400 1,400 4,300 1,615	1889-90	Do. ...	2						
		Total										...	1	3,435		
	17 18 19	Manijung Gossamipur Talakusuma				Balibis	Chittrotola					Right	...	1,880 1,940 1,200	1889-90 1888-89	In very fair order.	2
		Total	.....	.....	...			...	5,020							
	20	Garadpur, Huriram- pur, and Santapur. Nayandpur Madhu Raghunathpur Kerapara.	Balibis Suknoi and	Chittrotola Do.	Right Do.			...	4,560 2,000 2,000 800	1889-90	In very fair order requiring petty repairs in places.		2			
		Total	.....	.....	...	1	4,080									

Capital	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition,	Subdivision number.	REMARKS			
						Miles.	Feet.							
	21	Jagannathpur ...	Suknoi ...	Chittrotola	Right	...	1,110	1889-90	In very fair order requiring petty repairs in places.	2				
	22	Koran patna ...	Do. ...			...	130	1888-89						
	23	Pathura ...	Swang ...			...	2,580	1888-89						
	24	Ditto ...	Do. ...			...	300	1889-90						
	25	Jugadapur ...	Balibis ...	Ditto ...	Do.	...	3,200	1889-90	Ditto ...	2				
		Kuthuly ...	Suknoi ...			...	3,100							
		Bedary ...	Pohana ...			...	500							
		Salpat ...	Do. ...			...	1,800							
		Total ...	.....	.....	...	1	3,380							
	26	Haridaspur ...	Pohana ...	Chittrotola	Right ...	...	2,140	9-	Ditto ...	2				
	27	Bichna... Sampal ...	Pohana ...	Ditto ...	Right	...	1,180	1889-90	In very fair order.	2				
		...				...	640							
		Total ...	.....	.....	...	...	1,820							
	28	Nuapara ...	Pohana ...	Chittrotola	Right	...	825	1888-89	Ditto ...	2				
		Ditto ...				...	325							
		Total ...	.....	.....	...	...	1,150							
	36	Rudpore ...	Saraswati ...	Chittrotola	Left ...	...	420	1888-89	Ditto ...	2				
	43	Kantapara ...	Swang ...	Ditto ...	Do.	...	3,340	1891-92	Ditto ...	2				
		Nimalow ...				...	1,700							
		Total ...	.....	.....	...	...	5,040							
	44	Mulswang ...	Swang ...	Chittrotola	Left	...	500	1889-90	Ditto ...	2				
		Ditto ...				...	2,740							
		Total ...	.....	.....	...	...	3,240							
	45	Kisundapur ...	Swang ...	Chittrotola	Left	...	500	1891-92	Ditta ...	2				
		Swantalow ...				...	2,200							
		Nagasur ...				1	1,120							
		Berhampur, Patna ...				...	400							
		Total ...	.....	.....	...	1	4,220							
	46	Naigwan ...	Balubis ...	Chittrotola	Left	...	3,015	1889-90	Ditto ...	2				
		Gopinathpur ...	Suknoi ...			...	600							
		Nahalpur ...	Do. ...			...	2,400							
		Benirampur ...	Balubis ...			...	700							
		Total ...	.....	.....	...	1	1,435							
	47	Narendrapur ...	Suknoi ...	Chittrotola	Left	...	3,900	1889-90	Ditto ...	2				
		Chatro... ..				...	1,100							
		Total ...	.....	.....	...	...	5,000							
	48	Madhu...	Suknoi ...	Chittrotola	Left	...	960	891-	In very fair order, requiring petty repairs in places.	2				
	49	Simla ...	Do. ...			...	960	1889-90						
	50	Kudpatna ...	Do. ...			...	215							
	51	Urjunpur Bijpur ...	Do. ...			...	3,800							
	52	Ker ...	Talubis ...			...	4,440							
	53	Haripur ...	Do. ...			...	700	1891-92						
	54	Tiknapur ...	Suknoi ...			...	3,080							
	55	Ditto ...	Do. ...			...	825	1889-90						
		Total ...	.....	.....	...	2	8,920							
	56	Tikuapur ...	Suknoi ...	Chittrotola	Left	...	900	1891-92	Ditto ...	2				
		Rasulabad ...				...	1,600							
		Punchbiah ...				...	910							
		Total ...	.....	.....	...	...	3,410							

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired	Condition.	Subdivision number.	REMARKS
						Miles.	Feet.				
	57	Ram Chandrapur ... Bindu and Orissa ... Abhoypur ... Orang ...	Suknoi ... Pahana ...	Chittrotola	Left	1	120 2,700 2,600 1,300	1889-90	In very fair order, requiring petty repairs in places.	2	
		Total ...	.....	.....	...	2	1,440				
	58	Akhna ...	Suknoi ...	Chittrotola		...	1,800	1889-90			
	59	Mandia ...	Do. ...			...	2,250	1889-90			
	60	Raghupur ... Padua ... Nursingpur ...	Pahana ...			... ... ...	2,380 1,600 1,350	1889-90			
		Total ...	.....	.....	Loft	1	50				
	61	Pinkarali ...	Assuressur ...	Nuna ...		...	1,000	1889-90			
	67	Lokenathpur and Santapur.				...	1,625	...		2	
	68	Kaljangisalow, Pubhans, and Tentullessur and Bharigole.				...	7,930	...		2	
	100	Alba ... Kenthe ... Dianpur ... Nimopur ... Susun ... Malipur ... Oodypur ... Arajoore ... Goontee ... Arajoore ... Goontee ... Mudonpur ...	Utikhan ...	Brahmini ...	Right	 1 ... 1	1,550 3,396 616 2,424 4,086 200 2,075 3,535 360 115 4,695 3,330	1889-90	Fair ...	3	
		Total ...	.....	.....	...	6	5,262				
	106	Gopalpur ... Patherpur ... Ditto ... Sarsoda ... Mathsai ... Syr ... Daluart ... Balliapura ... Newapura ... Ryle ...	Killa Aul ...	Brahmini ...	Left	1 1	920 3,000 2,280 3,000 1,000 2,280 3,000 ... 2,280 3,000	...	...	3	
		Total ...	.....	.....	...	5	4,920				
	108	Baluria up to Falpatna.	Killa Aul ...	Kani Nadi	Right	1	3,000				
		Rahasurpara ...	Ditto ...	Brahmini ...	Left ...	2	520	1889-90	Fair ...	3	
		GRAND TOTAL ...	.....	.....	...	52	2,777				

Abstract.

River.	Bank.	LENGTH.	
		Miles	Feet.
Mahanadi ...	Left ...	2	90
Kadi ...	Do. ...	1	770
Do. ...	Right ...	1	3,000
Pyka ...	Left ...	12	645
Brahmini ...	Do. ...	8	160
Ditto ...	Right ...	6	5,262
Chittrotola ...	Do. ...	6	590
Ditto ...	Left ...	13	1,545
Nuna ...	Do. ...	1	1,275
Total ...	.....	...	2,777

BRAHMINI-BYTURNI DIVISION.—CLASS III.

Embankments which eventually it will probably be desirable to abandon, but which it is proposed to retain for the present.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS.
						Miles.	Feet.				
	62	Mandari ... Tilkona and Deco; monde. Ballapada ... Sahadebpur ... Damoodarpur ... Kuntalow and Deo- burah. Poharajpur Santpur Shabapur, Kaiternefi, and Taract. Kulujang ...	Swang ... Do. ... Assuressur ... Ditto ... Ditto ... Ditto ... Ditto ...			...	2,200				It these em- bankments are breac- hed, the breach must not be repair- ed; an escape is required.
						1	520				
						1	1,010				
						...	4,900				
						...	1,305	1891-92	In very fair order, requir- ing petty repairs in places	2	
						...	4,500				
						...	4,140				
						...	1,950				
		Total	...	...	...	5	4,085				
	63	Mandiow ... Harinuk ...	Assuressur ...	Nuna ...	Right	...	3,200	1891-92	In very fair order requiring petty re- pairs in places.	2	
		Total	...	...	...	1	380				
	64	Satilow ...	Assuressur ...	Nuna ...		...	3,510	1889-90	Ditto ...	2	
	88	Padhanpuri ...	Padhanpur ...	Beropa...	Right	1	4,602	1889-90	Fair ...	3	
	94	Polly ...	Damerpur ...	Do.		...	1,600	1889-90	Do. ...	3	
		Total	...	...	...	2	922				
	95	Indpur ... Kumarpur ...	Ch a wda- kulut.	B r ahmini	Right	1	1,220	1889-90	Do. ...	3	
		Total	...	...	...	1	1,370				
	96	Dhumat ...	Damerpur	Brahmini...	Right...	1	950	1889-90	Do. ...	3	
	97	Ghagra ...				...	1,090	1889-90	Do. ...	3	
		Total	...	...	...	3	2,040				
		ND TOTAL	...	...	...	13	977				

Abstract.

River.	Bank.	LENGTH.	
		Miles.	Feet.
Beropa ...	Right ...	2	922
Brahmini ...	Do. ...	3	2,040
Nuna ...	Do. ...	7	3,295
Total ...	...	13	977

AQUAPADA-JAJPUR DIVISION.—CLASS I.

Canal embankments which are intended to be above high flood level.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last required.	Condition.	Subdivision number.	REMARKS.
						Miles.	Feet.				
	107	Pingna ...	Killahs Chow-satpara, Dhenkanal, and Balarampur-Olas ...	Brahmini	Right	10	2,880	1890	Good	...	4
	108	Kharsooa ...	...	Ditto ...	Left ...	2	3,300	1890	Do.	...	4
	109	Kimiria ...	Alti, Durpan, and Madhupur.	Cimiria... B rahmini	Do. ...	9	1,494	1890	Do.	...	4
	110	Beropa embankment, section I.	Kokuakhund	Beropa ...	Left	10	...	1890	Do.	...	4
	111	Beropa embankment, section II.	Kerwalkhund			2	1,780	1887	Do.	...	4
	112	Beropa embankment, section III.	Ditto ...			3	860	1887	Do.	...	4
		Total ...	.....	.....	...	15	2,640				
	113	Beropa embankment, section IV.	Kerwalkhund and Jaipur.	Bura Gen-guti.	Left ...	4	2,230	1887	Fair	...	4
		No. 115 not entered, as it is the flood bank of the High level Canal, Range I.									
	116	Deoli ...	Madhupur ...	Brahmini...	Right ...	...	234	1890	Do.	...	4
	117	Byturni, left embankment (above weir).	Keonghur and Sahso.	Byturni ...	Left ...	18	3,500	1891	Good	...	2
	118	Byturni, right embankment (above weir).	Surgoda and Jajpur.	Ditto ...	Right ...	7	1,400	1891	Do.	...	2
	119	Ginda Nala ...	Keonghur and Madhupur.	Ginda Nala	Left ...	1	3,090	1890	Do.	...	4
	120	Byturni, right embankment (below weir),	Jajpur ...	Byturni ...	Right ...	13	300	Under construction in 1890-91 and 1892.	Do.	...	3
	125	Salindi, right embankment.	Raudia Orgoda	Salindi ...	...	7	4,065	1891	...	...	2
	126	Burah and Kursua, left embankment.	Jodha ... Tisania ...	Burah ... Khursua ...	Left ... Do. ...	16	...	Under construction in 1891-92.	Good	...	3
		GRAND TOTAL ...	.....	.....	...	106	4,013				

Abstract.

River.	Bank.	LENGTH.	
		Miles.	Feet.
Brahmini ...	Right ...	10	3,114
Pattia ...	Do. ...	2	3,300
Kimiria ...	Do. ...	9	1,494
Beropa ...	Left ...	19	4,870
Byturni ...	Do. ...	18	3,500
Ditto ...	Right ...	20	1,700
Khursua ...	Do. ...	7	4,065
Salindi ...	Left ...	16	...
Ginda Nala ...	Do. ...	1	3,090
Total ...	.....	106	4,013

AQUAPADA-JAJPUR DIVISION—CLASS II.

Agricultural embankments, mostly above present high flood level, which will probably be permanently maintained at their present height.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS
						Miles.	Feet.				
114		Chasapara	Toponkhund	Mahanadi	Left	...	5,093	1890	Good ...	4	
120		Jagannathprosad ...	Sohso ...	Byturni		...	4,691	1890		2	
121		Bhalipukhri ...	Do. ...	Do.		...	916	1890		2	
		Total	.....	.....	...	1	327				
122		Subadraghai ...	Maguri ...	Genguti	Left	...	2,775	1890	Do. ...	2	
123		Kumaria ...	Do. ...			...	2,359	1890	Do. ...	2	
124		Kurkhura ...	Jajpur ...			...	1,920	1890	Do. ...	2	
155		Dubal ...	Dhamnugger ...			...	3,620	1890	Do. ...	2	
156		Do. ...	Do. ...			...	2,300	1890	Do. ...	2	
158		Sodo ...	Do. ...			...	870	1890	Do. ...	2	
		Total	.....	.....	...	2	3,284				
64		Kamarpur ...	Aheyas ...	Byturni	Right	1	1,620	1888	Fair ...	3	
167		Palasahi ...	Jajpur ...	Do.	Do.	...	480	1888	Do. ...	3	
		Total	.....	.....	...	...	2,100				
170		Mulpara ...	Jodha ...			...	1,680	1893	Good ...	2	
173		Bahadurpur ...				...	3,430	1891	Fair ...	2	
174		Ahsurpur ...				...	2,564	1891	Good ...	2	
175		Ditto ...				...	970	1890	Fair ...	2	
186		Benjharpur to Samalpur.	Tisania ...	Khursua	Left	3	1,360	1891	Good ...	3	
187		Janadia ...				1	1,480	1883	Do. ...	3	
189		Dharampur to Bachol				1	1,016	1890	Fair ...	3	
191		Chundanpur ...				...	1,027	1888	Good ...	3	
192		Oil Chandanpur ...				...	1,585	1888	Do. ...	3	
195		Singhpur ...				...	170	1889	Do. ...	3	
196		Ditto ...				...	1,428	1889	Do. ...	3	
197		Ditto ...				...	342	1889	Do. ...	3	
		Total	.....	.....	...	7	4,812				
209		Hatikhund ...	Bahara ...	Benga	Left	...	1,408	1890	Fair ...	3	
210		Abdulpur ...				...	3,844	1890	Do. ...	3	
		Total	.....	.....	...	...	5,252				
211		Charpara to Deultara	Tisaniah and Bahara.	Khursua	Left	3	2,350	1890	Fair ...	3	
213		Koithapal ...	Bahara ...			1	4,466	1889	Do. ...	3	
214		Jhasipur ...	Do.			...	1,900	1889	Do. ...	3	
215		Nirapara ...	Do.			...	180	1889	Do. ...	3	
		Total	.....	.....	...	5	3,616				
224		Andaipali ...	Randia Or-gada.	Chota Kopali Salindi	Right	1	5,220	1891	Fair ...	3	
231		Bhadruk ...				...	1,760	Not known	Do. ...	2	
232		Ditto ...				...	2,380	1890	Do. ...	2	
233		Ditto ...				...	480	...	Do. ...	2	
		Total	.....	.....	...	...	4,610				
240		Gopalpur to Baligada	Olas & Berman	Brahmini	Left	4	4,478	1890	Fair ...	4	
		GRAND TOTAL	.....	.....	...	28	3,512				

Abstract.

River.	Bank.	LENGTH.	
		Miles	Feet.
Mahanadi ...	Left ...	...	5,093
Byturni ...	Do. ...	1	327
Do. ...	Right ...	1	2,100
Khursua ...	Left ...	13	4,828
Chota Kopali ...	Right ...	1	5,220
Salindi ...	Do. ...	...	4,610
Benga ...	Left ...	...	5,252
Brahmini ...	Do. ...	4	4,478
Genguti ...	Do. ...	2	3,284
Total ...	.....	28	3,512

AQUAPADA-JAJPUR DIVISION CLASS III.

Embankments which eventually it will probably be desirable to abandon, but which it is proposed to retain for the present.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank	LENGTH.		When last re-paired.	Condition.	Subdivision No.	REMARKS.
						Miles.	Feet.				
131	Salunpore	...	Jajpur	Genguti	Left	...	2,280	1891	Fair...	2	
132	Do.	...				...	120	1888	Indifferent	2	
135	Do.	...				...	150	1888	Good	2	
	Total	...	.....	.....	...	...	2,500				
176	Surpabad	...	Olas	Kharsua	Do.	...	2,170	1891	Do.	2	
235	Surjopur	...	Byang	Bag Chirka		...	1,900	1888	Do.	3	
	Total	...	.....	.....	...	...	...				
238	Samilpara	...	Byang	Byturni	Left	...	2,780	1887	Fair	3	
242	Bagda	...	Kalamatia	Dudhai		...	3,200	...	Do.	4	
243	Burhi	...	Do.	Do.		...	550	1890	Do.	4	
244	Chunder Shekharpur	...	Do.	Do.		...	3,350	1890	Do.	4	
	Total	...	.....	.....	...	1	1,820				
245	Mukundpur to Kaipada.	...	Kalamatia	Brahmini	Left	1	620	1890	Fair	4	
246	Kaipad to Maniram-pur.	...				...	4,741	1889	Do.	4	
	Total	...	.....	.....	...	2	81				
247	Bondadihi	...	Kalamatia	Brahmini	Right	...	105	1890	Fair	4	
248	Do.	...	Do.			...	1,375	1890	Do.	4	
254	Sherpur	...	Alti			...	3,310	1890	Do.	4	
	Total	...	.....	.....	...	...	4,790				
260	Banksahi	...	Alti	Kimiria	Left	...	3,321	1890	Fair	4	
261	Banksahi to Mohan-pur.	...				1	3,820	1890	Do.	4	
	Total	...	.....	.....	...	2	1,861				
	GRAND TOTAL	...	.....	.....	...	8	2,062				

Abstract.

River,	Bank.	LENGTH.	
		Miles.	Feet.
Brahmini.	Left	2	81
Do.	Right	...	4,790
Kimiria	Left	2	1,861
Dudhai	Do.	1	1,820
Byturni	Do.	...	2,780
Genguti	Do.	...	2,500
Bag Chirka	Right	...	1,900
Kharsua	Do.	...	2,170
Total	...	8	2,062

PURI DIVISION—CLASS II.

Agricultural embankments, mostly above present high flood level which will probably be permanently maintained at their present height.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS.
						Miles.	Feet.				
	Part of 90	Toolseepur and Ctt.	Cuttack ...	Katjuri ...	Left ...	5	40	1891	Good	3	
	153	Ootmapur ..	Bakrabad ...	Katjuri ...	Right	3	2,876	1891			
	188 MB	Soorooah ...	{ Bakrabad... Kodindah... }	Soorooah	Right	10	200	1891			
	251	Madhulebust ...	{ Kodhar ...	Daib ...	Right	...	2,900	1890	Good	3	
	252	Batoda ...				...	1,600				
	253	Pathurpucka ...				...	2,850				
	254	Do. ...				2	280				
		Total ...	.....	.....	...	3	2,250				
	265	Toura to Nooniganj	Kattaye ...	Kundal ...	Left ...	3	2,654	1890	Good	...	3
	287	Bindhum ...	{ Khodar ...	Bindhom...	Right	...	500	1890	{ Fair Good	...	{ 3
	288	Oostapur ...				...	1,340				
	289	Khondasai ...				...	800				
	290	Do. to Assam				3	3,430				
		Total ...	.....	.....	...	4	790				
	317	Kokye... ..	{ Bakrabad... Pattia ... Kotedes ... }	Koakhye	Left	11	2,767	1891	Good	...	3
	323	Balihanta ...	{ Kotedes ...	Kushbhadra	Left	...	3,180	1891	Good	...	3
	338	Dhoobtahar ...			Righ	3	468	1891	Good	...	{ 3
	339	Bentpur and Hat- terooderpur			Do.	3	947	1890	Fair	...	
		Total ...	.....	.....	...	6	1,410				
	365	Poobamalisyas to	Kotrang and	{ Bhargovi	Right	7	4,035	1891	Good	...	3
		Mullickabad	Kotedes								
	366	Kanjaria rivers to	Kotrang, Pus- chinduar, Rahang, and Choubiscood.			43	5,113				
		Total ...	.....	.....	...	51	3,868				
	430	Shea Satpara ...	Bulbhadrapur	Chilka Lake	...	5	...	1891	Fair	...	3
	431	Continuous ...	Daudimal, Koprang, Simbal, Se- rate, and Bul- bhadrapur.	{ Dya ...	Left	32	958	1891	Good	...	3
		GRAND TOTAL ...	.....	.....	...	136	5,155				

Abstract.

River.	Bank.	LENGTH.	
		Miles.	Feet.
Katjuri ...	Left ...	5	40
Do. ...	Right ...	3	2,876
Soorooah ...	Do. ...	10	200
Daib ...	Do. ...	3	2,250
Kundal ...	Left ...	3	2,654
Bindhum ...	Right ...	4	790
Koakhye ...	Left ...	11	2,767
Kushbhadra ...	Do. ...	...	3,180
Do, ...	Right ...	6	1,410
Bhargovi ...	Do, ...	51	3,868
Chilka Lake ...	.....	5	.....
Dya... ..	Left ...	32	958
Total ...	.....	136	5,153

PURI DIVISION—CLASS III.

Embankments which eventually it will probably be desirable to abandon, but which it is proposed to retain for the present.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS
						Miles.	Feet.				
162		Korchora ...	Kodindah ...			...	970				
163		Gopalpur ...				...	1,530	1890			
164		Teetapara ...				...	3,730				
165		Sreesoondarpur ...	Sylow ...	Katjuri ...	Right	...	3,220		Good ...	3	
166		Simuldah ...				...	480				
167		Do. ...				...	2,640	1891			
168		Gobindpur ...				...	1,180				
		Total ...	.....	.....	...	2	3,190				
188		Sooroah ...	Berha m p o r e	Sooroah ...	Left ...	8	654	1891	Good ...	3	
HA			and Kodin-								
			dah.								
250		Amoora and Lehoorie	Kattaye ...	Daib ...	Right	3	5,204				
291		Suttaboilpur ...	Deagong ...	Prachee ...	Left	...	760		Fair ...	3	
292		Arlow ...				...	2,820				
293		Kapileswarpur ...				...	590				
294		Ditto ...				...	1,630	1890			
295		Manickpur ...	Kotedes ...			...	1,360				
297		Kantapara ...				...	970				
298		Arlow ...				...	2,020				
299		Anmacood ...	Do. ...			...	1,000				
		Total ...	.....	...	...	2	590				
360A		Balkati to Dhasgobad	Kotedes ...	Bhargovi	Left ...	22	...				Breach at mile 6 not to be repaired.
			Punchindal ...								
361		Head of Kanchi Nadi to Singmapur.	Rahang ...	Do.	Do. ...	3	2,565				
362		Head of East Kiana river to Teencooda.	Do. and Chow biscood.	Do.	Do. ...	6	4,923	1891	Good ...	3	
363		Teencooda to Beej-Pur.	Do. ...	Do.	Do. ...	2	2,509				
364		Dakhinkanea Opdee	Do. ...	Do.	Do. ...	7	2,508				
		Total ...	.....	.....	...	42	1,945				
Part of											
381		Charserai to Ballia-ghye.	Oldhar ...	Surlake ...	...	5	2,126	1891	Do. ...	3	
382		Dhasgoba ...	Rahang ...	Kanchi ...	Left	...	...		Do. ...	3	
383		Balleah ...				...	1,475				
384		Juggernath Bullav ...				1	2,775	1891			
385		Purusotum ...				...	2,985				
386		Ootursurparah ...	Choubiscood	Seonamori	Do. ...	...	3,885				
387		Punchmunba ...				...	265				
		Total ...	.....	.....	...	3	1,270				
388		Jankadeipur to Dhowria.	Rahang ...	Kanchi ...	Right	1	4,365				
389		Dhowria and Hurri-Kristnapur.	Do. ...	Do. ...	Do.	3	4,550	1891	Do. ...	3	
		Total ...	.....	.....	...	5	3,635				
390		Dhowria to Bhatgaon	Rahang ...	Dhowria ...	Left ...	2	1,585				
391		Mullickpatpur to Singnapur.	Do. ...	Do. ...	Right	3	655	1891	Do. ...	3	
392		Tekurpara to Komarpara.	Do. ...	Attranalla	Left ...	2	795	1890	Do. ...	3	
393		Albe Kiah...	Do. ...	Do. ...	Right	4	715	1890	Fair ...	3	
394		Basdeopara to kad-dypada.	Do. ...	East Kania	Do ...	4	3,273	1891	Do. ...	3	
395		Kaddypada to Hurrichanderpatna.	Choubiscood	Seonamori	Do. ...	10	3,535		Good ...	3	
396		Hurrichanderpatna				...	1,300	1891			
		Total ...	.....	.....	...	10	4,835				
397		Nya ...	Choubiscood	Nya ...	Left ...	2	4,675	1891	Do. ...	3	
398		Tincuda ...			Right	2	1,080				
399		Pullunk ...				2	3,900	1891	Do. ...	3	
400		Patna ...				...	1,350				
		Total ...	.....	.....	...	5	1,030				

PURI DIVISION.—CLASS III.

Embankments which eventually it will probably be desirable to abandon, but which it is proposed to retain for the present.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS.
						Miles.	Feet.				
401	Athead	..	Choubiscood	South Kania	Left	3	850	1891	Good	...	3
402	Sauobundkeria	...				...	210				
403	Do.	...				...	1,460				
	Total	...	.....	.....	...	3	5,325				
404	Head to Bromongiri	...	Choubiscood	South Kania	Right	4	2,790	1891	Do.	...	3
	GRAND TOTAL	...	.....	.....	...	121	5,273				

Abstract.

River.	Bank.	LENGTH.	
		Miles.	Feet.
Katjuri	Right	2	3,190
Soorooah	Left	8	654
Daib	Right	3	5,204
Prachee	Left	2	590
Bhargovi	Do.	42	1,945
Surlake	.....	5	2,126
Kanchi	Left	3	1,270
Do.	Right	5	3,635
Dhowria	Left	2	1,585
Do.	Right	3	655
Attranalla	Left	2	795
Do.	Right	4	715
East Kania	Do.	4	3,273
Sonamori	Do.	10	4,835
Nya...	Left	2	4,675
Do. ...	Right	5	1,030
South Kania	Left	3	2,350
Do.	Right	4	2,790
GRAND TOTAL	.....	116	4,357

FINAL ABSTRACT.

DIVISION.	LENGTH.							
	Class I.		Class II.		Class III.		Total.	
	Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Miles.	Feet.
Mahanadi	49	4,405	30	5,088	2	4,023	83	2,956
Brahmini-Byturni	15	3,293	52	2,777	13	977	81	1,767
Aquapada-Jajpur	106	4,013	28	3,512	8	2,062	143	4,307
Puri	...	...	136	5,153	116	4,357	253	4,230
Total	172	1,151	249	690	141	859	562	2,700

Lists of Embankments in the Orissa Circle prepared in the Chief Engineer's office
showing those it is not proposed to retain after the new settlement
dated the 19th April 1894.

MAHANADI DIVISION.—CLASS IV.

Embankments which it is undesirable to retain, as in some cases they are actually, harmful and the remainder
are of doubtful utility.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last required	Condition.	Subdivision number.	REMARKS	
						Miles.	Feet.					
	4	Bal'patna ...	Amartak ...	Pyka ...	Right	...	2 700	1889-90	Fair ..	4		
	5	Raitara ...				...	1,660					
	6	Alikana ...				...	1,645					
	7	Kuttiapur ...				...	200					
	8	Gobardhanpur ...				...	3,680					
		Total ...			...	1	4,605					
	24	Bishenpur ...	Balobisi ...	Mahanadi	Left	...	1,590	1889-90	Fair ...	4		
	25	Karimul ...	Ditto ...			...	1,080					
	26	Narujang ...	Jhunkur ...			...	2,640					
	27	Dailow ...				...	300					
	28	Do. ...				...	4,100					
	29	Harimul ...				...	50					
	30	Ditto ...				...	20					
	31	Ditto ...				...	60					
	32	Ditto ...				...	1,470					
	33	Tentalupada ...				...	100					
	34	Ditto ...				...	100					
	35	Ditto ...				...	135					
	36	Pasole ...				...	490					
	37	Aulgudda ...				...	1,690					
	38	Ditto ...				...	1,182					
		Total ...	...		...	2	4,427					
	39	Aulgudda ...	Jhunkur ...	Mahanadi	Left	...	700	1889-90	Fair ...	4		
	40	Tirtole ...				...	95					
	41	Ditto ...				...	270					
	42	Ditto ...				...	90					
	43	Ditto ...				...	180					
	44	Juddye ...				...	530					
	45	Khosalpur ...					...					235
	46	Andalee ...					...					2,480
		Total ...			...	...	4,580					
	56	Detached portion near head of Sukpyka.	Kodindah ...	Mahanadi	Right	...	2,200	1889-90	Good ...	4		
	57	Burdah ...	Panidah ...			...	1,830					
	58	Ditto ...	Ditto ...			...	400					
	59	Kaijunga ...	Ditto ...			...	3,000					
	60	Ditto ...	Kodindah ...			...	2,300					
	61	Ditto ...	Ditto ...			...	100					
	62	Ramchunderpur ...				...	2,700					
	63	Kissennugger ...				...	3,100					
	64	Ditto ...				...	2,000					
	65	Junpur ...				...	1,850					
	66	Berhampur ...				...	257					
	67	Ditto ...				...	765					
	68	Jarilow ...				...	100					
		Total ...			...	8	4,762					
	72	Brahminibar ...	Kodindah ...	Sukpyka	Left	...	410	1889-90	Fair ...	4		
	73	Ditto ...	Ditto ...			...	1,080					
	74	Basantpur ...	Panidah ...			...	5,100					
	75	Ditto ...				...	1,660					
	76	Anrilow ...				...	1,100					
	77	Taldeah ...				...	1,960					
	78	Hassandiah ...				...	3,805					
	79	Badepur ...				...	4,220					
	80	Ditto ...				...	1,170					
	81	Ditto ...				...	1,580					
	82	Maphanga ...				...	1,070					
	83	Dukhin Sylo ...				...	2,510					
	94	Permanundpur ...				...	3,170					
	85	Sadasye ...				...	870					
		Total ...			...	5	3,305					
	228	Gungadeb ...	Benhar ...	Gobri ...	Left	...	1,290	1889-90	Fair ...	4		
	229	Dhampada ...				1	2,283					
		Total ...			...	1	3,573					
		GRAND TOTAL ...			...	16	4,132					

Abstract.

River.	Bank.	LENGTH.	
		Miles.	Feet.
Pyka ...	Right ...	1	4,605
Mahanadi ...	Left ...	3	3,727
Ditto ...	Right ...	3	4,762
Sukpyka ...	Left ...	5	3,305
Gobri ...	Do. ...	1	3,573
Total ...	.....	16	4,132

MAHANADI DIVISION.—CLASS V.

Embankments already practically abandoned, mostly superseded by embankments of class 1.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired	Condition.	Subdivision number.	REMARKS.		
						Miles.	Feet.						
	70	Jaipur and Talpara	Jhunkur ...	Mahanadi	Right	10	1,703						
	71	Punkpal	Muhurubund			2	3,525						
		Total	.....		.....	12	5,223						
	89	Punkpal	Burpalla	Punkpal	Left	2	4,108						
	88	Ditto	Burpalla and Tirun.		Right	6	4,588						
	120	Barira	Huriharpur...	Katjuri	Left	...	100						
	121	Do.				...	80						
	122	Do.				...	2,224						
	123	Konea Sassun				...	3,300						
	124	Madhya Sassun				...	540						
	125	Ditto				...	2,790						
	126	Ditto				...	300						
	127	Chanpur				...	50						
	128	Ditto				...	400						
	129	Ditto				...	80						
	130	Ditto				...	1,190						
	131	Ditto				...	1,830						
	132	Gopinathpur				...	1,900						
	133	Ditto				...	110						
	134	Ditto				...	100						
	135	Ditto				...	880						
	136	Ditto				...	900						
	137	Ditto				...	40						
	138	Ditto				...	20						
	139	Ditto				...	530						
		Total	.....	.....	.....	3	1,524						
						22	3,364						
	140	Kantapara	Huriharpur...	Katjuri	Left	2	2,645						
	141	Tahera				...	1,066						
	142	Noagaon				...	1,680						
	143	Banicood				...	3,240						
	144	Salijung D'oly				...	350						
	145	Sadipur				...	2,520						
	146	Ditto				...	1,900						
	147	Weydhond				...	150						
	148	Ballia				...	280						
	149	Do.				...	1,605						
	150	Do.				...	2,000						
	151	Birakookur				...	3,331						
		Total	.....	.....	.....	9	1,171						
	179	Beerburpatna	Saibir	Katjuri	Right	...	1,670						
	180	Kosabonampatna				...	600						
	181	Kumpagaipur				...	2,360						
	182	Koolmonedhlow	Huriharpur...			...	2,700						
	183	Jarilow				...	2,800						
	184	Kundilow				...	850						
	185	Singarpur	Ditto			...	1,980						
	186	Patna and Sajeenugar	Hurharipur			...	360						
	187	Do. and Jajpur	and Jhunkur.			12	2,747						
		Total	.....	.....	.....	15	227						
	189	Singarpur	Huriharpur...	Olunka	Left	1	225						
	190	Poonang				...	151						
	191	Ditto				...	75						
	192	Mookoondpur	Gunditto			...	3,316						
	193	Taradaipur				...	130						
	194	Huriharpur				...	350						
	195	Jaypur and Pakenpur	Gunditto			2	2,873						
	196	Crissaa				...	2,867						
	197	Do.				...	1,618						
	198	Do.				...	371						
	199	Do.	Gunditto			...	283						
	200	Do.				...	310						
		Total.	.....	.....	.....	5	2,009						

Capital.	Ordinary.	NAME.	Pargana.	Rivers.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS.
						Miles.	Feet.				
201	Orissa ...	Gunditto ...	Burra Olunka	Left	...	368					
202	Do. ...	Ditto ...			...	724					
203	Do. ...	Ditto ...			...	430					
204	Do. ...	Ditto ...			...	450					
205	Do. ...	Ditto ...			...	1,528					
206	Do. ...	Ditto and Raibaree.			2	1,397					
207	Paddampur ...	Khoo n e a h Benahar ...			14	2,864					
	Total ...	.....	.....	...	17	2,477					
208	Kundalow ...	Saibir ...	Burra Olunka.	Right	...	2,462					
209	Mudhoosoodanpur ...	Do. ...			...	1,940					
210	Turtang and Bhariovo	Saibir, Gundi-to, Daogang, Kurnew and Hariharpur.			18	364					
211	Bharicoda and Tenu-tura.	Benahar and Hurrishpur.			8	2,816					
	Total ...	.....	.....	.....	72	2,802					
212	Bhariodah ...	Benhar ...	Chota Olunka.	Left	4	1,518					
213	Mungalpur ...	Benhar and Huriharpur			...	2,140					
	Total ...	.....	.....	.....	4	3,658					
214	Bhagooda and Jun-grampur.	Benhar ...	Chota Olunka.	Right...	2	1,075					
515	Kalada ...	Do. ...		Left ...	...	740					
216	Machgong and Open-dra.	Bardiah ...		Do ...	3	2,290					
	Total ...	.....	.....	.....	3	3,030					
217	Billuakhye ...	Saibir	Billuakhye	Left ...	4	4,065					
218	Beroda ...		Sonakata ...	Do. ...	...	1,871					
219	Bultampur and		Tumpua ...	Do. ...	2	87					
221	Puttura ...		Ditto ...	Right	...	3,114					
230	Opendra and Basun-dra.	Sylow ...	Daib ...	Left ...	1	580					
233	Koorooa ...	Hurrishpur	Do.	Do.	...	3,848					
234	Machgong ...	Bardian			...	2,302					
	Total ...	.....	.....	.....	1	960					
235	Baliapara ...	Bardiah ...	Daib ...	Left	...	3,263					
236	Sreeumpur ...				...	167					
237	Opendra ...				...	1,777					
238	Ditto. ...				...	4,497					
239	Ashonath ...				...	1,446					
240	Paturah ...				...	3,803					
241	Palearajpur ...				...	1,190					
242	Missara ...				...	436					
243	Olas ...				...	812					
244	Do. ...				...	2,945					
245	Untrol ...				...	1,560					
246	Padowriba ...				...	2,485					
247	Ditto ...				...	2,615					
	Total ...	.....	.....	.....	6	1,556					
257	Burressum ...	Daogong	Gordoah ...	Left	...	4,495					
258	Saldah ...		Kundah ...		...	2,905					
	GRAND TOTAL ...	.....	.....	.....	24	1,528					
Embankments remodelled to from the Daib left embankment.											
220	Arona ...	Saibir ...	Tumpooa ...	Right	...	4,272					
222	Butsoorah ...	Daogong ...	Gedda ...	Left	1	566					
223	Utgong-Balsylow ...				1	2,434					
224	Kulsai Sunganugger				2	3,144					
	Total ...	.....	.....	.....	5	864					
232	Mundilow and Amar para.	Saibir ...	Daib ...	Left	3	147					
232	Koorooa and Sikini	Thattlye ...			10	3,190					
	Total ...	.....	.....	.....	19	3,193					

BRAHMINI-BYTURNI DIVISION.—CLASS IV.

Embankments which it is undesirable to retain, as in some cases they are actually harmful, and the remainder are of doubtful utility

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS.			
						Miles.	Feet.							
3	...	Madhya Kuch	...	Karimul	...	Mahanadi	Left	...	540	1889-90	Fair	...	2	
	15	Markundi	...	Sara wati	...			...	4,000	1889-90	In very fair order, requiring petty repairs in places.	}	2	
	16	Puranipari	...	Sering	...	Chit t r o t o l a .	Right	...	2,570					
		Kalamipari	...			...	2,200							
		Bhugwanpur Natra	...			...	1,700							
		Total	...	...	...	1	5,190							
	78	Mundalow	...	Assuresur...	...	Bhundaria	Right	...	1,460	1889-90	Good	...	2	
		Barimul	...				Left	...	1,000		Do.	...		
		Bhale	...				Do.	...	1,825		Do.	...		
	79	Bhole	...											
	80	Do.	...											
		Total	...	...	...	...	...	2,825						
	81	Hariank	...	Assuresur...	...	Pathi	Right	1	2,100	1889-90	Do.	...	2	
		Indalow	...					1	2,188					
		Total	...	...	...	...	...	4,288						
	82	Nuasassun	...	Assuresur...	...	Pathi	Right	...	2,910	1889-90	Do.	...	2	
	83	Satilow	...				Left	...	2,300					
	84	Do.	...				Do.	...	1,000					1880	Very fair
	88	Bhuirajpur	...	Palampur	...	Beropa	Right	...	350	1889-90	Fair	...	3	
		Sankamchun or Charpara.	...					...	3,046					
		Total	...	...	...	...	...	3,396						
	93	Mongulpur	...	Danerpur	...	Beropa	Right	1	1,000	1889-90	Do.	...	3	
	97	Jakrodia	...	Chowdekelat	...	Brahmini	Do.	...	1,500	1889-90	Bad	...	3	
		GRAND TOTAL	...	...	...	...	8	9						

Abstract.

River.	Bank.	LENGTH.	
		Miles.	Feet.
Mahanadi	Left	...	540
Chit trotola	Right	1	5,190
Bhundaria	Do.	...	1,460
Ditto	Left	...	2,825
Pathi	Do.	...	3,300
Do.	Right	2	1,918
Beropa	Do.	1	4,396
Brahmini	Do.	...	1,500
Total	...	8	9

BRAHMINI-BYTURNI DIVISION.—CLASS V.

Embankments already practically abandoned, mostly superseded, by embankments of class I.

Capital	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Cond o	Subdivisi o n number.	REMARK	
						Miles.	Feet.					
	6	Kuarpur ...	Sirang ...	Mahanadi...	Left ...	...	2,500					
	37	Batesswar ...	Saraswati ...	Chitiotola	Left	...	1,760					
	38	Do. ...				...	236					
	39	Do. ...				...	950					
	40	Kolanpur ...				...	840					
	41	Bachra ...				...	1,000					
	42	Do. ...	Sengra ...			...	357					
		Total ...	.....	.....	...	...	5,143					
	69	Swallow ...	Assrueswar	Nuna ...	Left ...	...	950					
	70	Tarat ...		Bhagni ...	Right	...	2,320	...	Bad	2		
		Crita ...				...	420	...	Do.			
		Total ...	.. ...	.....	...	...	2,740					
	71	Behala and Tikunpur	Suknoi ...	Bhagni ...	Right	...	5,230	...	Do.			
	72	Jokia Bontang	Tohana ...			1	255	...	Do.			
	73	Bowtang				...	875	...	Do.			
		Total ...	.....	.....	...	2	1,080					
	74	Kulugong ...	Assureswar...	Bhagni ...	Left	...	1,000	...	Do.			
	75	Torat ...				...	4,920					
	76	Jamrah ...				...	2,930					
	77	Nadiabari ...				Suknoi ...	...			2,500		
		Total ...	.....	.....	...	2	790					
	86	Khaira, B h a i r p u r,	Padampur...			...	2,290					
		Sonakhalla ...				...	3,907					
	87	Itchapur-Goonipur				...						
	89	Ramesswar	Soongra ...	Berupa ...	Right	1	1,020					
		Lukhunpur				...	...					
		Do. ...				...	...					
	90	Khurgang	Matkutnu g-			...	1,213					
		Do. ...				...	1,313					
		Noortang				...	1,400					
	91	Jaleswarpur	ger.			...	890					
		Bageswarpur				...	487					
	92	Kushpur	Alti ...			...	3,510					
		Tikiria				...	2,520					
		Dekuri				...	4,860					
		Total ...	.....	.....	...	5	2,370					
	98	Dhakin	Chowdekelat...	Brahmini.	Right	...	3,480					
	99	Tombulo	Ditto ...			...	3,500					
		Nilkantopur	Damerpur ...			1	920					
		Luktiarpur	Ootikhan ...			...	3,130	...	...	3		
		Total ...	.....	.....	...	3	470					
	101	Chownee	Ootikhan ...	Chota Brah-	Left	...	720	Not repaired since the closure of the Chota Brahmini in 1882.	...	3		
		Mattia				...	1,600					
		Do. ...				...	100					
		Do. ...				...	3,030					
		Do. ...				...	2,800					
		Khokharoni				...	1,000					
		Ambia...				1	1,620					
		Nalbholia				...	2,500					
		Simlia ...				...	1,700					
		Do. ...				...	144					
		Do. ...				...	1,230					
		Haldurpur				...	3,050					
		Arharpali				...	2,950					
		Do. ...				...	3,250					
		Tigria...				...	500					
		Sowpara				...	300					
		Do. ...				...	610					
		Do. ...				...	2,942					
		Burpara				...	1,000					
		Do. ...				...	200					
		Do. ...				...	1,540					
		Khattiapara				...	1,700					
		Do. ...				...	2,230					
		Sujanpur				...	4,100					
		Carried over	.....	.....	...	...	...					

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS
						Miles.	Feet.				
		Brought forward ...	.....	.....	...	...	...	...	...	...	
	101	Muttiapara ...	Ootikhan ...	Chota Brahmini.	Left	...	200	Not repaired since the closure of the Chota Brahmini in 1892.	...	3	
		Do. ...				...	380				
		Deolpore ...				...	1,130				
		Khodalsye ...				...	1,050				
		Do. ...				...	2,990				
		Bodo Rahama ...				...	1,800				
		Do. ...				...	730				
		Do. ...				...	360				
		Total ...	.....	.....	...	10	2,536				
		Sau Rahama ...	Utikhan ...	Baleorjore	Left	...	800				
		Do. ...				1	400				
		Sonkropa ...				...	4,400				
		Beri Rajpatua ...				...	700				
		Altang ...				...	920				
		Total ...	.....	.....	...	2	1,940				
	103	Gulnagar ...	Aul ...	Gobri ...	Left	...	1,750	Not repaired since 1880.	Fair ...	3	
		Gorapur ...	Do. ...			...	1,160				
		Kopileswar or Alijung ...	Tihon ...			...	4,710				
		Bareswarpur ...	Do. ...			...	740				
		Total ...	.....	.....	...	1	3,080				
	104	Joypura ...	Tikon ...	Gobri ...	Right	...	3,800			3	
		Runpura ...				...	2,750				
		Khodiand ...				...	2,300				
		Sunailon ...				...	2,200				
		Nagpura ...				1	3,720				
		Total ...	.....	.....	...	3	4,210				
	105	Niginpur ...	Alkhonta ...	Gundakia ...	Left	...	50	1888-89		3.	
		Do. ...				...	4,940				
		Bhorajpur ...				...	2,700				
		Artho ...				...	3,200				
		Ultia ...				...	2,600				
		Deulpara ...				...	1,700				
		Bankhi Chanda ...				...	170				
		Amirabad ...				...	1,075				
		Chandiapoi ...				...	2,120				
		...				...	3,050				
		Total ...	.....	.....	...	5	1,355				
		GRAND TOTAL ...	.....	.....	...	38	2,764				

Abstract.

River.	Bank.	LENGTH.	
		Miles	Feet.
Mahanadi ...	Left ...	...	2,500
Chitratola ...	Do. ...	...	5,143
Nuna ...	Do. ...	...	950
Bhagni ...	Right ...	2	3,820
Do. ...	Left ...	2	790
Berupa ...	Right ...	5	2,370
Brahmini ...	Do. ...	3	470
Chota Brahmini ...	Left ...	10	2,536
Baleorjore ...	Do. ...	2	1,940
Gobri ...	Do. ...	1	3,080
Do. ...	Right ...	3	4,210
Gundakia ...	Left ...	5	1,355
Total ...	.....	38	2,764

AQUAPADA-JAJPUR DIVISION—CLASS IV.

Embankments which it is undesirable to retain, as in some cases they are actually harmful, and the remainder are of doubtful utility.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS	
						Miles.	Feet.					
129	Pansahi	...	Jajpur Dhamnugger	Denguti	Right	{ ... 1	170	1889	Good	3		
130	Balighai	...					2,100	1889	Do.			
151	Paharpur	...					1,640	1890	Fair			
Total		...	.....	.....	...	1	3,940					
152	Anandapur	...	Dhamnugger	Byturni	Left	{	130	1883	Good	3		
153		...					210	1883	Bad			
154		...					310	1888	Good			
157	Missarpur	...	Jajpur	Byturni	Left	{	3,100	1890	Fair	3		
159	Balipada	...	Ahiyas				...	1,060	1874			Good
160	Kuturia	...	Jajpur				...	120	1881			Fair
191	Do.	...					...	1,218	1888			Do.
Total		...	.....	.....	...	1	868					
166	Nadigaon	...	Byang	Kochilla	Left	1	1,217	1890	Fair	3		
168	Phalpore	...		Bag Chirka	Do.	1	1,960	1890	Do.			
169	Nadigaon	...		Do.	Right	...	2,767	1888	Good			
171	Chintapoli	...	Jadha	Bernan		{	246	1890	Fair	2		
172	Do.	...	Do.				...	1,110	1890			Good
180	Kambhuka	...	Bernan				...	4,990	1885			Fair
184	Kantia and Raitra	...	Tisaniah	Kharsua	Right	1	4,820	1890	Do.	3		
188	Jagannathpur	...	Do.				...	644	1888			Good
190	Sundarpur	...	Do.				...	2,427	1888			Fair
193	Deashai	...	Hatimunda				...	860	1889			Good
193	Do.	...	Do.				...	2,022	1889			Do.
194	Khetrapal	...	Do.	...	1,663	1889	Do.					
Total		...	.....	.....	...	4	2,942					
212	Palsahi	...	Raudia Orgada	Kopali	Left	...	1,100	1889	Fair	2		
216	Tircona	...	Sahso	Do.	Right	{	770	Not known	Do.			
217	Do.	...					700	Do.	Do.			
218	Pariapada	...					820	Do.	Do.			
Total		...	.....	.....	...	...	2,290					
219	Gahirapada	...	Sahso	Kopali	Left	...	1,360	Not known	Fair	2		
220	Binekpur	...	Randia, Orgada.	Do.	Across	...	970	1890	Bad			
221	Gunijung	...			Do.	...	3,110	1890	Do.			
222	Palu	...			...	4,080						
223	Do.	...	Randia, Orgada.	Do.	Right	...	3,480	Not known	Bad	2		
223	Do.	...			Do.	...	1,650	Do.	Do.			
Total		...	.....	.....	...	...	5,080					
234	Loho	...	Byang	Bag Chirka	Right	1	1,824	1888	Good	3		
236	Srigunga	...	Do.	Kopali	Across	...	940	Not known	Fair	2		
237	Do.	...	Do.	Do.	Do.	...	550	Do.	Do.			
Total		...	.....	.....	...	...	1,490					
239	Srigunga	...	Byang	Kopali	Left	...	1,320	Not known	Fair	2		
241	Nagpara	...	Bernan	Brahmini	Do.	...	900	1879	Do.	4		
250	Parhamburda	...	Alti	Do.	Right	{	740	1882	Do.			
251	Chandpur	...					110	1890	Do.			
252	Do.	...					70	1890	Do.			
253	Bhagingund	...					300	1890	Good			
Total		...	.....	.....	...	...	1,220					
255	Rakhi	...	Olas	Kimria	Left	1	1,195	1890	Good	4		
256	Nahangapatna	...	Alti				...	440	1890			Fair
257	Nursingpur	...					...	3,770	1890			Do.
258	Alishapatna	...					...	520	1884			Do.
259	Mangalpore	...					...	1,710	1890			Do.
Total		...	.....	.....	...	1	2,535					
GRAND TOTAL		...	.....	.....	...	16	5,003					

Abstract.

River.	Bank.	LENGTH.	
		Miles.	Feet.
Denguti ...	Right ...	1	3,910
Byturni ...	Left ...	1	868
Kopali ...	Do. ...	...	3,780
Do. ...	Right ...	1	2,090
Do ...	Across ...	1	290
Kharsua ...	Right ...	4	2,942
Kimiria ...	Left ...	1	2,355
Brahmini ...	Do. ...	...	900
Do. ...	Right ...	...	1,220
Kochilla ...	Left ...	1	1,217
Bag Chirka ...	Do. ...	1	1,960
Ditto ...	Right ...	1	4,591
Total ...		16	5,003

ACQUAPADA-JAJPUR DIVISION.—CLASS V.

Embankments already practically abandoned, mostly superseded by embankments of class I.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS.
						Miles.	Feet.				
	10M	Malpada and Kukhsli	Panikhund	...	...	...	1,240	1881	Indifferent		
	12M	Nowapatna	...	...	...	...	1,272		Bad		
	15M	Debasahi	...	...	...	...	365		Do.		
	16M	Do.	...	...	...	...	270		Do.		
	17M	Simlibund	Tepponkhund	...	...	...	140		Indifferent		
	18M	Do.	...	Mahanadi	Left	...	1,520		Fair		
	19M	Do.	...	...	...	...	1,920		Good		
	20M	Chasapara	...	...	...	...	362		Fair		
	21M	Mundapara	...	...	...	...	5,082		Do.		
	22M	Nursingpur	Cuttack	...	...	...	1,898		Do.		
	23M	Chitrasur	...	...	...	...	1,280				
		Total	...	...	...	2	4,789				
	125	Sundarpur	...	...	...	...	1,270				
	126	Chainpur	Jajpur	Byturni	Right	...	1,175				
	127	Kamagarh	...	...	...	...	1,035				
	128	Do.	...	...	...	...	735				
		Total	...	...	...	...	4,215				
	134	Kodambypur to Rentiapur.	...	Kia Nalla	Left	...	3,552				
	135	Ranpur	Jajpur	...	Right	...	1,275				
	143	Talmahara	...	Benga	Do.	...	1,900				
	144	Bamdebpur	...	Byturni	...	...	300				
	145	Barapatra	Do.	...	Right	...	1,240				
	146	Do.	...	...	...	...	720				
	147	Do.	...	Benga	...	...	1,100				
		Total	...	...	...	...	3,060				
	148	Taliah...	...	...	...	...	1,020				
	149	Palasahi	Katia	Benga	Left	...	180				
	150	Do.	...	...	...	...	340				
		Total	...	...	...	...	1,540				
	162	Dhobabil	Jajpur	Byturni	Right	1	4,660				
	163	Deulbad	...	...	...	...	1,000				
	198	Chattrapara	Katia	Benga	Left	...	1,810				
	199	Chattapara	...	...	...	...	2,440				
	200	Chasakhund	...	...	...	...	3,000				
		Total	...	...	...	1	2,970				
	201	Pritipur	...	...	...	...	1,700				
	202	Do.	...	...	...	...	510				
	203	Do.	...	...	...	...	100				
	204	Do.	Dolgram	Jonai	Left	...	120				
	205	Do.	...	...	...	...	130				
	206	Balvadrapur	...	...	...	...	1,088				
	207	Do.	...	...	...	...	600				
		Total	...	...	...	...	4,248				
	208	Kopila	Dolgram	Tenta	Right	...	1,718				
	177	Digbaraj	Jajpur	Kia Nala	Left	...	1,877				
	179	Kamaipur	...	...	...	...	2,316				
	181	Karuna	...	...	...	...	3,490				
	182	Gobo	Tisania	Kharsua	Do.	...	3,795				
	183	Ballaghahi	...	...	...	...	1,875				
	185	Bunkipal	...	...	...	...	5,050				
		Total	...	...	...	...	676				
	225	Darda	...	...	...	...	300				
	226	Do.	...	...	...	...	350				
	227	Do.	Seneth	Chota Kopali.	Across	...	325				
	228	Do.	...	...	...	...	570				
	229	Do.	...	...	...	...	3,100				
	230	Do.	...	...	...	...	520				
		Total	...	...	...	...	5,165				
		GRAND TOTAL	...	...	...	14	4,985				

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition	Subdivision number.	REMARKS.
						Miles.	Feet.				
		Embankments remodelled to form the Byturni right embankment.									
137	Banpur	...	Jajpur	Byturni	Right	...	450				
138	Do.	...				...	90				
139	Rajipur	...				...	50				
140	Do.	...				...	400				
141	Ganpatipur	...				...	1,636				
142	Bamdebpur	...				...	4,020				
	Total	...			...	1	1,366				

Abstract.

River.	Bank.	LENGTH.	
		Miles.	Feet.

Superseded by the construction of other works.

Byturni	...	Right	...	2	3,895
Kia Nalla	...	Left	...	1	149
Ditto	...	Right	...	...	1,275
Benga	...	Do.	...	...	4,960
Do,	...	Left	...	1	4,510
Jonai	...	Do.	...	...	4,248
Tenta	...	Right	...	...	1,718
Kharsua	...	Left	...	3	678
Chota Kopali	...	Across	...	...	5,165
Mahanadi	...	Left	...	2	4,789
Total	...			14	4,985

Remodelled to form the Byturni right embankment.

Byturni	...	Right	...	1	1 366
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PURI DIVISION—CLASS IV.

Embankments which it is undesirable to retain, as in some cases they are actually harmful, and the remainder are of doubtful utility.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS.
						Miles.	Feet.				
255	Turasai	...	Kodhar	Diab	Right	...	3,400	1891	Fair	3	
256	Do.	...				...	3,000				
	Total	...				1	1,620				
259	Saldah...	...	Daogang	Kundal	Right	...	4,046	1891	Do.		
266	Murro	...				...	750				
267	Do.	...				...	2,050				
268	Do.	...				...	5,100				
269	Mohunpara	...				...	2,900				
270	Passang	...				...	270				
271	Do.	...				...	280				
272	Do.	...				...	2,000				
273	Dyjung	...				...	4,800				
274	Cutleemsolta	...				...	1,458				
275	Balava...	...				...	2,000				
276	Bunkubatia	...				...	4,500				
277	Lukhunpur	...				...	1,400				
278	Bungul	...				...	3,900				
279	Do.	...				...	1,000				
280	Do.	...				...	810				
281	Do.	...				...	450				
282	Do.	...				...	100				
	Total	...	...	...	...	7	854				
283	Baharua	...	Daogong	Kundal	Right	...	1,650	1890	Good	3	
318	Kalianpur to Boornoi	...				3	4,086				
319	Boornai to Muncheswar.	...				1	3,150				
320	Muncheswar	...				...	4,070				
321	Ditto and Ban-cooa.	...				3	5,470				
322	Bulbhadrapur	...				2	4,770				
	Total	...				13	100				
324	Bhimpur	...	Kotedes	Kushbhadra	Left	...	360	1890	Good	3	
325	Ditto	...				...	875				
326	Patna and Dooly Khusrahar.	...				2	3,813				
327	Parrbeasundaipur...	...				...	1,515				
328	Kantabaree	...				...	982				
329	Besurpur and Giringa	...				2	2,620				
330	Mahakoondah	...				...	800				
331	Do.	...				...	130				
332	Do.	...				...	90				
333	Do.	...				...	1,690				
	Total	...	...	...	...	6	2,315				
340	Barilon	...	Kotedes	Kushbhadra	Right	...	792	1890	Fair	3	
341	Baharsai	...				...	61				
	Total	...				...	853				
360B	Balkati to Dhasgobad	...	Kotedes Punchindal Rahang. Rahang Chow-biscood.	Bhargovi	Left...	5	916	1891	Good	3	
367	Ruttenchira river to Goalpara.	...			Right	4	3,410	1891	Good	3	
370	Bengai	...			Left...	3	435	1891	Fair	3	
371	Alsukah to Allupur	...			...	1	4,290	Not known	Good	3	
372	Pykrapur	...	Rahang	Bengai	Right	...	800				
373	Do.	...				...	50				
374	Do.	...				...	650				
375	Do.	...				...	120				
376	Do.	...				...	928				
	Total	...	...	...	...	2	1,558				
377	Oothen Supada and kanchi.	...	Rahang	Surlake...	...	2	1,130	1891	Good	3	
378	Soondhur	...				5	900				
379	Sundhur and Gur-Mururesswarah.	...				...	1,845				
380	Gurh Mururesswarah	...				...	2,382				
	Total	...	...	...	...	8	977				

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS.
						Miles.	Feet.				
Part of 881	381	Gurh Mururessur to Balliaghye.	Oldhar ...	Surlake	...	2	...	1891	} Good...	3	
	432	Singpur to Goalpara...	Dandimul ...	} Dya ...	Right.	7	1,614	} 1891			
	433	Tigria ...	Kurdah ...			1	1,800				
	Total ...		...	...	...	8	3,214				
	434	Burrahgur ...	} Serai ...	Monagoni	Left	...	1,510	} 1891			
	435	Do.				...	2,300				
	436	Burrahgur to Lukhunpur.				2	410				
	Total ...		...	...	...	2	4,220				
	439	Burrahgur ...	Serai ...	} Monagoni.	Right.	1	4,648	} 1891			
	440	Burparrah ...	Serai and Bulbhadrapur.			5	1,749				
	Total ...		...	...	...	5	1,117				
	437	Attarabatti ...	} Bullihadrapur.	Monagoni	Left	...	4,390	} 1891			
	438	Pulbad ...				...	2,680				
	Total ...		...	...	...	1	1,490				
	GRAND TOTAL ...		...	...	...	66	2,693				

Abstract.

River.	Bank.	LENGTH.	
		Miles.	Feet.
Daib ...	Right ...	1	1,620
Kundal ...	Do. ...	7	2,504
Koakhye, Right ...	Do. ...	13	100
Kushbbhadra ...	Left ...	6	2,315
Do. ...	Right ...	...	853
Bhargovi ...	Do. ...	4	3,410
Do. ...	Left ...	5	916
Bengai ...	Do. ...	3	435
Do. ...	Right ...	2	1,558
Surlake ...	...	10	977
Dya ...	Right ...	8	3,214
Monagoni ...	Left ...	4	430
Do. ...	Right ...	5	1,117
Total ...	...	71	3,609

PURI DIVISION --CLASS V.

Embankment already practically abandoned, mostly superseded by embankments of class 1.

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS.		
						Miles.	Feet.						
225	Parichowpari	...	Daogong ...	Godda ...	Right	...	843	1890	Good	...	3		
226	Amarpara	...				...	1,954						
227	Sassunpada	...				...	5,246						
	Total	...	...	...	...	1	2,263						
248	Majoorai...	...	Sylow ... Saibir ...	Daib ...	Right	...	4,419	1890	Do.	...	3		
249	Batodo ...	...				...	4,307						
	Total	...	...	...	...	1	3,446						
261	Pathurpucka	...	Doagong ...	Dobikhye	Right	...	4,335	1890	Fair	...	3		
262	Cuttee Cutta	...	Do.	Old Daib	Left	...	4,575	1889					
263	Bursan ...	...			Right	...	2,000	1889					
264	Surdole ...	...				...	3,200						
	Total	...	...	...	...	...	5,200						
284	Pookhuriaganj	...	Kattaye ...	Akhra ...	Left	1	1,380	1990	Good	...	3		
285	Tourah ...	...	Do. and Dao-gong.	Tourah ...	Right	1	2,275	1890	Do.	...			
286	Upendra ...	...	Berdeah ...	Muggra ...	Left	1	...	1891	Fair	...			
299	Neagang...	...	Daogong ...	Prachee	Do.	...	700	Un-known	Bad	...	3		
300	Karkore ...	...	Do. ...			...	100						
301	Nayally ...	...	Do. ...			...	230						
302	Balioorah	...	Khodar ...			...	920						
303	Kathkutpur	...	Do. ...			...	600						
304	Sarripur ...	...	Khoirto ...			...	130						
305	Do. ...	...	Do. ...			...	40						
306	Odaipur ...	...	Do. ...			...	70						
307	Do. ...	...	Do. ...			...	610						
	Total	...	...	...	...	...	3,400						
308	Adhka ...	...	Khodar ...	Prachee ...	Right	...	520	Unknown	Do.	...	3		
309	Kuntaboorne	...	Kharla ...	Kundia ...	Left	...	510	Un-known.	Do.	...			
310	Do. ...	...				...	250						
311	Oday Koome	...				...	200						
312	Chinoon...	...	...	...	...	...	1,623						
	Total	...	...	...	...	...	2,560						
313	Kullun Kunea	...	Kharlow ...	Stream from Prachee to Bay of Bengal.	Right	...	1,720	Unknown	Bad	...	3		
314	Kooneeah	...			Kodooa	Do....	...	730	Un-known.	Do.		...	
315	Sandahar	...				Do....	...	670					
316	Do. ...	...				Do....	...	1,000					
	Total	...	...	...	...	...	2,400						
334	Narsua ...	...	Uthais ...	K u s h-bhadra.	Left	...	3,390	Un-known.	Do.	...	3		
335	Pykesye ...	...	Do. ...			...	3,130						
336	Narsua ...	...	Do. ...			1	20						
337	Bangow ...	...	Mungulpatna	K u s h-bhadra	Right	2	1,240	Unknown	Bad	...	3		
342	Shaikhpatna	...	Kotedas ...			...	270						
343	Madgeghuriah	...	Do. ...			...	4,390						
344	Nagpur ...	...	Poorubduar...	Matgutpatna	Right	1	105	Do. ...	Bad	...	3		
345	Sujanagar	...	Matgutpatna			...	...						
	Total	...	...	...	...	4	725						
346	Gooniah ...	...	Poorubduar	Moogai ...	Left	...	50	1891	Fair	...	3		
347	Do. ...	...				...	130						
348	Do. ...	...				...	8,810						
349	Doobhar ...	...				1	1,020						
350	Entracood	...				...	2,310						
	Total	...	...	...	...	2	2,040						

Capital.	Ordinary.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS		
						Miles.	Feet.						
	351	Guhbadee ...	Poorubduar ...	Moogai ...	Right	...	4,216	1891	Fair ...	3			
	352	Numbai ...				...	1,560						
	353	Entracood ...				...	3,800						
		Total ...			...	1	4,290						
	354	Doobhar ...	Poorubduar ...	Dhunooah ...	Left	...	915	1891	Do. ...	3			
	355	Kapor Kooncha ...				...	3,730						
	356	Do. ...				...	2,610						
		Total ...			...	1	1,975						
	357	Sanroon ...	Poorubduar ...	Dhunooah ...	Right	...	3,285	1891	Do. ...	3			
	358	Orally to Chumrigoun				3	1,960						
		Total ...			...	3	5,245						
	359	Bulbhadra ...	Dandimul ...	Bulbhadra ...	Right	2	3,025	Unknown	Do. ...	3			
	368	Kajalow to Soapur ...	Kotedas ...	Kimriadhar...	Left ...	1	4,120	Unknown	Bad ...	3			
	369	Gobindpur to Konsonpur.	Kotrang ...	Do. ...	Right	1	4,020						
	405	Near right bank of Bhargovi.	Kotedas ...	Ratan-chira.	Right	...	2,178	Un-known.	Do. ...				
	406	Koolresaye ...				...	211						
	407	Ghursoondah ...				...	300						
	408	Salnah ...				...	2,200						
	409	Do. ...				...	2,325						
	410	Mudhoopoolothee ...				...	4,750						
	411	Bhagbutpur ...				...	1,000						
	412	Angung ...				...	3,300						
	413	Jassooapur ...				...	1,050						
	414	Poratoal to Dunrisunwah.				Rahang and Choubispur.	5			4,735			
		Total ...			...	9	609						
	415	Chingiriah and Chutboorg.	Choubispur ...	Ratanchira	Left ...	2	...	Do. ...	Do. ...	3			
	416	Chingiriah	Rahang and Choubispur.	Chingiriah	Do. ...	1	4,500	Do. ...	Do. ...				
	417	Datiapara ...	Rahang ...	Nuna ...	Do.	...	1,500	Un-known.	Bad ...				
	418	Do. ...				...	2,300						
	419	Naggoen ...				...	2,350						
	420	Undaising ...				1	3,810						
	421	Kangoda and Mudharsing.				3	5,060						
	422	Do. and Parikud				2	1,159						
		Total ...			...	9	389						
	423	Dellang ...	Simbah ...	Nuna ...	Right	...	540	Un-known.	Bad ...	3			
	424	Soodagha ...	Serame ...			...	1,420						
	425	Tipparee ...				...	1,140						
	426	Do. ...				...	4,096						
	427	Ebrooah and Jhauns				4	3,307						
	428	Jharas and Kumkurjan river.	6			1,044							
		Total ...			...	12	987						
	429	Dhankera t a—N o o r river.	Rahang ...	Petye ...	Right	1	420	Unknown	Bad ...	3			
		GRAND TOTAL ...			...	70	4,869						

Abstract.

Name of river.	Bank.	LENGTH.	
		Miles.	Feet.
Godda ...	Right ...	1	2,263
Daib ...	Do. ...	1	3,446
Old Daib ...	Left ...	...	4,575
Do. ...	Right ...	...	5,200
Akhra ...	Left ...	1	1,380
Tourah ...	Right ...	1	2,375
Muggra ...	Left ...	1	...
Prachee ...	Do. ...	...	3,400
Do. ...	Right ...	...	520
Kundia left ...	Left ...	...	2,560
Stream from Prachee to Bay of Bengal.	Right ...	...	1,720
Kodooa ...	Do. ...	...	2,400
Kushbhadra ...	Left ...	4	1,370
Do. ...	Right ...	4	725
Moogai ...	Left ...	2	2,040
Do. ...	Right ...	1	4,290
Dhunooah ...	Left ...	1	1,075
Do. ...	Right ...	3	5,045
Bulbhadra ...	Do. ...	2	3,025
Kimriadhar ...	Left ...	1	4,120
Do. ...	Right ...	1	4,020
Ratanchira ...	Do. ...	9	699
Do. ...	Left ...	2	...
Chingiriah ...	Do. ...	1	4,500
Nuna ...	Do. ...	9	339
Do. ...	Right ...	12	987
Petye ...	Do. ...	1	420
Dobikhye ...	Do. ...	...	4,335
Total ...	...	70	4,869

Final Abstract.

DIVISION.	LENGTH.					
	Class IV.		Class V.		Total.	
	Miles.	Feet.	Miles.	Feet.	Miles.	Feet.
Mahanadi ...	16	4,132	124	1,526	141	378
Brahmini-Byturni ...	8	9	38	2,764	46	2,773
Aquapada-Jajpur ...	16	5,003	14	4,905	31	4,708
Puri... ...	71	3,609	70	4,869	142	3,198
Total ...	113	2,193	248	3,584	362	477

List of the Orissa embankments in the Balasore Division, South-Western Circle, prepared in the Chief Engineer's Office, showing those it is proposed to retain after the new settlement dated the 19th April 1894.

CLASS II.

Agricultural embankments, mostly above present high flood level, which will probably be permanently maintained at their present height.

Register number.	NAME.	Pargana.	River	Bank.	LENGTH		When last repaired	Condition.	Subdivision.	REMARKS.
					Miles.	Feet.				
1	Bhograi	Bhograi	Subarnarekha	Left	15	...	1891-92	Fair	No. 4 Contai.	
3	Jameunda	Satmolong	Do.	Right	2	640	Do.	Do.	No. 3.	
4	Boras	Satmolong and Bhograi	Do.	Do.	...	2,780	1889-90	Do.	Do.	
29	Nagoree	Satmolong	Sea	...	...	2,010	1891-92	Do.	Do.	
	Panchpalce	Kourdashor	Subarnarekha	Right	3	1,850	Do.	Do.	Do.	
	Mandary to Das-mally.	Ancora	Sea	...	15	9,325	Do.	Do.	Do.	
			Total	...	35	45				

Abstract.

River.	Bank.	LENGTH.	
		Miles.	Feet.
Subarnarekha	Right	5	5,270
Ditto	Left	15	...
Sea	...	14	55
	Total	35	45

List of the Orissa embankments in the Balasore Division, South-Western Circle, prepared in the Chief Engineer's Office, showing those it is not proposed to retain after the new settlement dated the 19th April 1894.

CLASS IV.

Embankments which it is undesirable to retain, as in some cases they are actually harmful and the remainder are of doubtful utility.

Register number.	NAME.	Pargana.	River.	Bank.	LENGTH.		When last repaired.	Condition.	Subdivision number.	REMARKS.
					Miles.	Feet.				
8	Darboree	Kismut Kontsai	Subarnarekha	Right	1	2,180	1891,92	Fair	No. 3	
9	Soolpatta	Channuah	Panchpara	Do.	1	2,370	Do.	Do.	D6.	
10	Silda	Do	Do.	Do.	...	3,040	Do.	Do.	Do.	
11	Channuah	Satmolung	Do.	Do.	1	2,730	Do.	Do.	Do.	
12	Charidea	Gurpoda	Across Panchpara river.	...	...	1,690	Do.	Do.	No. 2.	
13	Metasole	Fulsohung	Across Local Hol-low	...	...	1,240	Do.	Do.	Do.	
14	Moodley	Gurpoda	Ditto	...	...	2,780	Do.	Do.	Do.	
15	Doomda	Keondee	Burabullong	Left	1	1,510	Do.	Do.	Do.	
17	Patra	Soonut	Below bridge on Trunk Road.	...	...	1,740	Do.	Do.	Do.	
18	Burpoda	Do	Nasubookhal	Right	1	...	Do.	Do.	Do.	
19	Khipur, Patna	Soro	Across Kanga	...	...	1,320	Do.	Do.	Do.	
20	Huldipakri	Do	Across Goydandee	...	...	530	Do.	Do.	Do.	
21	Kallany	Do	Across Kansbans	...	...	800	Do.	Do.	Do.	
23	Huldipore	Tapo Pasando	Across Andari nalla.	...	...	400	Do.	Do.	Do.	
24	Haripore	Sasa	Ditto	...	...	2,200	Do.	Do.	Do.	
25	Kupang or Kupari	Do.	Across Hadney	...	...	200	Do.	Do.	Do.	
26	Shahapada	Baleckund	Across Kansbans	...	...	2,090	Do.	Do.	Do.	
TOTAL					10	420	...	...	...	

Abstract.

River. or Locality.	Bank.	LENGTH.	
		Miles.	Feet.
Subarnarekha	Right	1	2,180
Phnchpara	Do.	3	2,860
Do.	Across	...	1,690
Burabullong	Left	1	1,510
Nasubookhal	Right	1	...
Kanga	Across	...	1,320
Goydandee	Do.	...	530
Kansbans	Do.	...	2,890
Andari	Do.	...	2,600
Hadney	Do.	...	200
Local hollows	Do.	...	4,020
Below bridge on Trunk Road	Do.	...	1,740
Total	.....	10	420

ORISSA EMBANKMENTS.

General Final Abstract.

CIRCLE.	Division.	LENGTH.																GRAND TOTAL.
		TO BE RETAINED.								NOT TO BE RETAINED.								
		Class I.		Class II.		Class III.		Total.		Class IV.		Class V.		Total.				
		Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Miles.	Feet.			
Orissa	Mahanadi	49	4,405	30	5,088	2	4,023	83	2,956	16	4,132	124	1,526	141	978	224	3,394	
	Brahmini Baitarani	15	3,293	52	2,777	13	977	81	1,767	8	38	38	2,764	46	2,773	127	4,540	
	Aquapada-Jajpur.	106	4,013	28	3,512	8	2,062	143	4,307	16	5,003	14	4,985	31	4,708	175	3,735	
	Puri	...	...	136	5,153	116	4,357	253	4,230	71	3,609	70	4,869	142	3,198	396	2,148	
	Total Orissa Circle	172	1,151	249	690	141	859	562	2,700	113	2,193	248	3,584	362	477	924	3,197	
South-Western	Balasore	...	...	35	45	...	...	35	45	10	420	...	...	10	420	45	465	
	GRAND TOTAL	172	1,151	284	735	141	859	597	2,745	123	2,613	248	3,584	372	897	969	3,662	

APPENDIX H.

ROADS IN CUTTACK.

(For Roads in other Districts see separate reports on Balasore and Puri Districts.)

No. of Road.	From.	To.	Length.			Class.
			Miles.	Fur.	Yds.	
1	TALDANDA LOOP ROAD— No. 2 Taladanda Canal Bridge Chuttra Bazar.	3rd quarter of 2nd mile of Taladanda Road.	0	5	147	I A.
2	JOBRA PILGRIM ROAD— Punchgachia Bazar on right bank of Mahanadi	No. 2 Taldanda Canal Bridge Chuttra Bazar.	1	5	6	I A.
3	Cuttack	Taladanda	44	0	0	
			13	4	0	I A.
			30	4	0	II A.
4	Kandurpur (11th mile of road No. 3).	Machgaon	32	2	23	
			2	0	0	I A.
			28	0	0	II A.
			2	2	23	II B.
5	Cuttack	Chandabali	63	1	90	
			5	0	0	I A.
			12	1	10	II A.
			46	0	0	II B.
6	PART OF CUTTACK-SONEPUR ROAD— Mund Muhan....	East Boundary of Killa Banki.	20	5	181	
			18	4	8	II B.
			2	1	173	VI.
7	Tanghi	Haripur, Dhenkanal boundary on way to Kopilas	12	3	88	
			2	0	0	I B.
			10	3	38	VI.
8	Phulnakra	Madhab	20	5	153	II B.
9	Jajpur	Kuakhia	9	3	216	II B.
10	Jagatsingpur	Sirloh	10	6	80	II B.
11	Jagatsingpur	Jaipur	8	3	173	II B.
12	Salepur	Mahanga	8	6	0	II B.
13	Ichapur (boundary of Kendrapara Municipality)	Marsaghai	8	6	0	II A.
14	Kendrapara	Jajpur	25	2	191	
			16	2	191	II B.
			9	0	0	VI.
15	Gogua	Tambalo	3	1	10	II A.
16	Kendrapara	Bospur	4	7	0	II B.
17	Jajpur	Kyanh	17	5	150	
			12	1	150	II B.
			5	4	(	VI.

No. of Road.	From.	To.	Length.			Class.
			Miles.	Fur.	Yds.	
18	Rambagh	Chhatrapada	7	4	96	II B.
19	Nischint Koil	Kendupatna	9	2	0	II B.
20	Kendrapara	Golra Hat	6	6	30	II B.
21	Chāndoe	Golra Hat	4	1	46	II B.
22	Baruan	Kalamatia	16	0	0	
			4	0	0	II B.
			12	0	0	IV.
23	Indropa	Srirampur	5	6	150	IV.
24	Jaipur	Balighai	1	7	48	II B.
25	Dharmasala	Kaema	2	4	16	II B.
26	Katia	Ahias	3	2	100	IV.
27	Patamundai	Indipur	11	0	116	II A.
28	Jaipur	Pachikot	19	0	0	IV.
29	Baruan	Balichandrapur	14	3	118	VI.
30	Kendrapara	Purusottampur	4	7	0	II B.
31	Baideswar	Kala Pathar	4	2	176	VI.
32	Charchika	Tulsipur	5	1	163	VI.
33	Tikhri	Marshaghai	6	4	60	VI.
34	Mahanga	Chuttia	9	3	153	
			6	3	153	II A.
			3	0	0	II B.
35	Katikata	Jaipur	11	0	190	
			2	4	0	II A.
			8	4	190	IV.
36	Mantira	Sukinda	13	1	113	VI.

APPENDIX I

List of Inspection Bungalows, Orissa.

Distance from Cuttack-1		Number.	Name.	Situation.
Canal.	Road.			
MAHANADI DIVISION.				
13	15	1	Barara	† On 6th mile Machgaon Canal.
49½	"	2	Balikuda	|| " No. 7 Distributary Machgaon Canal.
28	27	3	Bhutmundi	|| " 50th mile Taldandah Canal Extension.
		4	Jagatsingpur	§ " 21st mile Machgaon Canal.
23½	22½	5	Katrahat	† " 7th mile No. 10 H Distributary Machgaon Canal.
	44	6	Kulsai	|| " 24th mile Taldandah Canal.
		7	Machgaon	† " 37th mile Machgaon Canal.
	By river	8	Naraj	† At the Bifurcation of Mahanadi and Katjuri.
		9	Saura	† On No. 10 Distributary main, Machgaon Canal.
19	37	10	Sanksar	† " Pyka river Embankment.
	19	11	Ballia	|| " 12th mile Machgaon Canal.
38	37	12	Sugol	† " 5th mile No. 13 Distributary Machgaon Canal.
	37	13	Nagpur	† " 37th mile Machgaon road.
	46	14	Panchpa	† " 20th mile Daib left Embankment.
	29	15	Garadmul	† " 2 miles from Panchpili.
20½	28½	16	Alipingol	† " 12th mile Daib left Embankment.
"	41½	17	Nuapara	|| " 30th mile Taldandah Canal.
		18	Jaganathpur	§ " 6 miles from Manijanga by road.
		19	Ersama	|| About 8 miles from Manijanga across country.
BRAH-BYTURNI DIVISION.				
38	"	1	Ambura	† On No. 8 Distributary Pattamundi Canal.
59	"	2	Arajuri	† " Utikan Embankment.
48	"	3	Gandakia	† " Gobri Extension Canal.
31	"	4	Gopalpur	† " 27th mile Pattamundi Canal.
47	"	5	Goguah	† " Distributary No. 12 Pattamundi Canal along Chandbali Road.
25	21	6	Gourpara	† " 43rd mile.
30	"	7	Indor	* " No. 6 Distributary Kendrapara Canal.
40	"	8	Indpur	* " No. 8 Distributary Do.
"	4	9	Jagatpur	† " 36th mile Pattamundi Canal
57	"	10	Jumbur	† " Bank of Birupa River.
46	47	11	Koro	† " Jumbur Island.
20	"	12	Kuspur	† " No. 12 Distributary Pattamundi Canal.
60	"	13	Khadalsai	* " No. 14 Distributary Kendrapara Canal.
15	"	14	Lakhanpore	† " Ootikum Embankment. On Babarjor left.
43	"	15	Marsaghai	* " 11th mile Pattamundi Canal.
"	28	16	Narindrapore	* " 39th mile Kendrapara Canal.
20	"	17	Nurtang	* " Chitartola river Embankment.
38½	"	18	Pubhans	† " 17th mile Pattamundi Canal.
38	"	19	Pandalo	* " 23½ miles Kendrapara Canal.
30	"	20	Sublang	† " Chitartola river embankment.
"	32½	21	Samsundarpore	* " No. 9 Distributary Kendrapara Canal.
28	"	22	Hari Bhagatpore	* " No. 13 Do. Do.
				† " Gobri river bank,
ACQUAPADA-JAJPUR DIVISION.				
39	"	1	Bairi	† On 11th mile 4,600 ft. H. L. Canal Range I.
18½	"	2	Jenapur	† " 33rd mile Left bank Do. Do.
22	"	3	Kothpur	* " 9th mile Kimeria Embankment.
24½	"	4	Buntha	* " 6 miles from Moraigaon Inspection Bungalow. On the Agarpara road.
20	"	5	Chattrapara	* " 5th mile 1 D Distributary Jajpur Canal.
31	"	6	Deoltara	† " Left bank of Khursooa river, between Embankments Nos. 211 and 213.
12½	"	7	Jokodia	† " 1st mile right bank H. L. Canal Range II.
6½	"	8	Jajpur	† " Right bank Baiturni river at Jajpur.
18½	"	9	Moraigaon	† " End of Baiturni left Embankment.
18½	"	10	Nadigaon	† Left bank Kochilla river, between Embankments No. 169 and 168.
19	"	11	Saidpur	† On left bank Kharsua river.
27	"	12	Singpur	† Do. Do.
34	"	13	Biswanathpur	* " 10th mile No. 1 Main Distry. H. L. Canal Range I.
28	"	14	Hajipura	† " 5½ mile No. 1 Distributary Extension Do.
14½	"	15	Dhamnager	† " 7th mile No. 3 Distry. H. L. Canal Range III.
17	"	16	Kuraa	† " 8th mile No. 5 Do. Do. Do.
24	"	17	Indalva	† " 6½ miles Pingwa Embankment No. 107.
19	"	18	Chandpur	* " Right bank Sunkra river between Embankments Nos. 252 and 253.
24	"	19	Barri	† " Left bank Sunkra river close to Embankment No. 242.
"	35	20	Tanghi	† " 11th mile Orissa Trunk Road.
"	21	21	Barchana	† " 22nd Do. Do.
"	15	22	Dharamsala	† " 31st Do. Do.
"	9	23	Khanditar	† " 37th Do. Do.
"	10½	24	Barikpur	† " 55½ Do. Do.
"	17½	25	Bhadrak	† " 63rd Do. Do.

Distance from Cuttack Road.	Number.	Name.	Situation.
PURI DIVISION.			
			On Cuttack and Puri Road.
10½	1	Tulsipur †	Do.
21½	2	Fulnakra †	Do.
31	3	Sardaipur †	Do.
40½	4	Mukundpur †	Do.
52½	5	Jaipur †	Do.
3½	6	Puri †	Do.
11½	7	Mundmohan *	On Cuttack and Ganjam Road.
20¾	8	Chandka †	Do.
28	9	Chatabar †	Do.
40½	10	Khordah †	Do.
51½	11	Jankia †	Do.
61½	12	Tanghi †	Do.
73	13	Sonakhalla †	Do.
46½	14	Burkul †	Do.
51½	15	Marda †	On Cuttack and Sonpur Road
63	16	Kuntilo †	Do.
72	17	Belpara †	Do.
81¾	18	Chamundia †	Do.
90	19	Kutri †	Do.
98½	20	Dimira †	Do.
108½	21	Harbhanga †	Do.
117½	22	Dholpur †	Do.
125½	23	Kardi †	Do.
134	24	Bod †	Do.
143½	25	Telebund †	Do.
151½	26	Bagnadi †	Do.
14	27	Basudebpali †	Do.
21½	28	Daisara †	On Cuttack and Sambalpur Road.
31	29	Sankarpur †	Do.
41½	30	Ghatipur †	Do.
51½	31	Rasol †	Do.
62½	32	Maidharpur †	Do.
73½	33	Dhokta †	Do.
81½	34	Kanjura *	Do.
88½	35	Katara †	Do.
96	36	Lohamunda *	Do.
104½	37	Nackchi *	Do.
	38	Bamur *	Do.
EMBANKMENT BUNGALOWS.			
31½	1	Kunti *	11½ miles from head. On left bank Daya river.
41½	2	Gorodiah *	21½ Do. Do.
47	3	Kannas *	27 Do. Do.
57	4	Sahupara *	11 Do. On left bank Nuna.
64	5	Rarmul *	44 Do. On right bank Bhargovi.
54	6	Kerandipur *	34 Do. Do.
44	7	Turaniah *	24 Do. Do.
32	8	Sianso *	12 Do. On left bank Bhargovi.
53	9	Balighai *	15 Do. On left bank Sarlake.
29½	10	Balipatna *	7 Do. On right bank Kusbhadra.
30½	11	Nimapara *	18 Do. Do.
3½	12	Mokameswar *	1 Do. On right bank Katjuri.
25	13	Pongah *	12 Do. On right bank Kandal.
45	14	Jankadaipur *	29 Do. On left bank Bhargovi.

N. B.—*One roomed Bungalow. †Two roomed Bungalow. ‡Three roomed Bungalow. §Four roomed Bungalow. ¶Five roomed Bungalow.

District Board Inspection Bungalows in Cuttack.

No. of road.	Name of places.	REMARKS.
3.	Fakirpara ...	... 9th mile. Taldanda Road,
3.	Manpur ...	... 21st mile ditto.
3.	Taldanda ...	... End of ditto.
5.	Sissua ...	... 15th mile of Chandbali Road.
5.	Sukurpara ...	... 25th ditto ditto.
5.	Kendrapara ...	... 36th ditto ditto.
5.	Patamundai ...	... 48th ditto ditto.
5.	Aul ...	... 55th ditto ditto.
8.	Kantapara ...	... On Fulnakhra-Gope Road, 20 miles from Cuttack.
8.	Niali ...	... On Fulnakhra-Gope Road, 30 miles from Cuttack.
9.	Baruan ...	... 9 miles south of Jajpur.
26.	Ahiyas ...	... 9 miles east of Jajpur.

APPENDIX K

Ferries in Cuttack.

Read No.	Names of ferries.	Yearly value.
5.	Ganja ...	600
5.	Gurgaria ...	720
5.	Chadbali ...	2,000
5.	Gopalpur ...	655
9.	Budha ...	80
9.	Kharshua Rajghat ...	300
...	Do. Khanditer ...	710
14.	Binjharpur ...	160
14.	Indipur ...	400
24.	Balighai ...	175
25.	Kaema ...	55
28.	Budha ...	12
29.	Chandpur ...	4
29.	Banksahi ...	15
29.	Araikana ...	62
29.	Birupa ...	10
34.	Birupa at Kuanpal ...	33
34.	Genguti at Jagannathpur ...	83
35.	Nuna ...	103
35.	Chitratola ...	16
35.	Mahanadi ...	21
35.	Paika ...	20
Village { 11 road {	Baisamauza ...	220
	Kuspur ...	40
...	Jagatpur ...	1,305
...	Kakher ...	455
...	Brahmini ...	825
...	Jhinkiria ...	180
...	Kazipatna ...	40
...	Chausathipara ...	30

APPENDIX L.

Statement showing details of grazing and cremation lands.

District.	Thana.		Area of grazing land	Area of cremation ground.	Tanks and others.	Total.
Cuttack	Dharamsala	...	7,288	745	12	8,045
	Cuttack	...	4,868	724	25	5,617
	Jagatsingpur	...	9,249	1,217	64	10,530
	Tirtol	...	7,222	989	2	8,213
	Salepur	...	3,913	664	25	4,602
	Kendrapara	...	5,257	755	76	6,088
	Patamundai	...	2,149	231	132	2,512
	Aul	...	1,709	228	5	1,942
	Jajpur	...	7,153	627	...	7,780
Total			48,808	6,180	341	55,329
Balasore	Chandbali	...	1,321	56	...	1,377*
	Basudebpur	...	2,899	70	...	2,969
	Bhadrak	...	5,917	335	3	6,255
	Dhamnagar	...	7,520	514	14	8,048
	Soro	...	6,037	141	94	6,272
	Jaleswar	...	36	1	...	37
	Basta	...	3,073	21	5	3,099
	Balasore	...	6,014	91	50	6,155
	Baliapal	...	3,201	60	...	3,261
Total			36,018	1,289	166	37,473
Puri	Puri	...	5,927*	.....	284	6,211
	Pipli	...	8,229*	.....	423	8,652
	Gope	...	7,260*	.....	132	7,392
Total			21,416	.....	839	22,255

*This area also includes lands reserved for cremation purposes.

APPENDIX M.

Statement of lands held by Government for public purposes.

AREA (IN ACRES) HELD BY—																						
PUBLIC WORKS.		MILITARY.		POLICE.		POST OFFICE.		TELEGRAPH.		COLLECTORATE AND MISCELLANEOUS.		DISTRICT BOARD.		JAGAN. NATH ROAD.		RAILWAY.		SALT.		TOTAL.		
Area.	No. of plots.	Area.	No. of plots.	Area.	No. of plots.	Area.	No. of plots.	Area.	No. of plots.	Area.	No. of plots.	Area.	No. of plots.	Area.	No. of plots.	Area.	No. of plots.	Area.	No. of plots.	Area.	No. of plots.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

CUTTACK.

1. Dharmasala	2,098'19	2,019	...	...	0.57	4	...	...	...	...	28.71	143	223 62	471	27 65	469	1,031.90	2,005	...	...	3,591.64	5,111
2. Cuttack	2,151'84	5,015	36.74	73	155.03	117	1.15	5	4.42	29	61'69	270	263.28	447	187.98	417	1,416.80	3,236	...	...	4,278.93	9,609
3. Jagatsingpur	3,661.43	12,293	...	...	10.79	23	0.69	5	...	...	21.98	8	438.07	1,004	...	...	...	...	3 07	...	4,136.03	13,340
4. Tirtol	1,416'96	2,271	...	...	1.75	7	...	...	...	...	...	...	127.33	206	...	...	...	...	...	...	4,546.04	2,484
5. Salepur	4,013'92	10,360	...	...	3.60	26	0.98	13	...	...	...	...	347 91	1,060	68.08	96	...	...	...	...	4,434.49	11,555
6. Kendrapara	1,870'49	3,506	...	...	2.87	10	0.90	7	...	...	29.01	153	259.90	597	...	...	...	...	...	...	2,163 17	4,273
7. Patamundai	932.84	972	...	...	0.99	5	...	...	...	...	...	...	93.98	207	...	...	...	...	...	...	1,027.81	1,184
8. Aul	40.51	49	...	...	...	...	...	...	...	...	...	...	0.66	5	...	...	...	...	...	...	41.175	34
9. Jaipur	1,179 04	1,517	...	...	2.48	27	0.87	12	...	...	114.68	474	606.00	1,036	...	...	...	...	...	...	1,903.07	3,065
Total	17,356.22	38,002	36'74	73	178.08	219	4.59	42	4.42	29	256'07	1,048	2,360.75	5,033	473'71	982	2,448'70	5,241	3'07	...	23,122'35	50,675

BALASORE.

1. Bhadrak	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2. Dhamnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. Basudebpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4. Chandbali	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5. Soro	6,349	...	...	...	77	...	3	...	...	...	3 629	...	2,898	...	...	...	570	...	25	...	13,551	...
6. Balasore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7. Basta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8. Baliapal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9. Jalsowar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	6,349	...	...	...	77	...	3	...	...	...	3,629	...	2,898	...	...	...	570	...	25	...	13,551	...

District Board includes Local Board and Collectorate and Miscellaneous includes—

(1) Magistracy.
(2) Municipality.(3) Commissioner's office,
(4) Medical Department.(5) School Department,
(6) Excise.(7) Customs,
(8) Missions.

PURI.

Puri	546'61	...	...	...	10'36	...	1'47	...	...	...	766'39	...	32'95	...	194'44	...	510'91	...	...	...	1,963'11	...
Pipli	634'35	...	...	...	2'41	...	0'32	...	...	...	...	...	223'62	...	273'01	...	521'18	...	...	...	1,654'89	...
Gope	113'03	...	...	...	2'26	...	0'77	...	...	...	...	...	212 20	...	...	...	...	...	...	...	328'26	...
Total	1,293'99	...	...	...	15'03	...	2'56	...	...	...	766'39	...	468 75	...	367'45	...	1,032.09	...	...	...	3,946.26	...
GRAND TOTAL OF THREE DISTRICTS...	24,999'21	38,002	36'74	73	270'11	219	10'15	42	4'42	29	4 651'46	1,048	5'727'50	5,033	841 6	982	4,050.79	5,241	28'07	7	40,613'61	50,675

APPENDIX N.

List of prices taken at Bhadrak on 1st June 1899.

Serial No.	Vernacular name arranged alphabetically.	Corresponding English or Latin name.	Current price per maund.	Current price per seer.	Serial No.	Vernacular name arranged alphabetically.	Corresponding English or Latin name.	Current price per maund.	Current price per seer.
2	3		4	5	1	2	3	4	5
(a) Cereals and pulses.					(c) Tugar, etc.—conclb.				
			Rs. A. P.	Rs. A. P.				Rs. A. P.	Rs. A. P.
1	Buta ...	Gram ...	2 14 0		3	Kanda ...	Treacle ...	12 8 0	0 5 6
2	Biri Kala ...	Phasolus (black) ...	2 5 0		4	Michri ...	Crystallised sugar-candy.	11 0 0	0 6 0
	" Naa ...	(summer) ...	2 4 0		5	Mahu ...	Honey (pure) not available.	.....	0 5 6
3	Burguri ...	(Pea) Vigua Kotiang.	3 0 0						
4	China ...	Berdseed ...	...	0 1 9					
5	Dhana (Mota) ...	Paddy, coarse ...	1 2 0						
	" (saru) ...	" fine ...	1 8 0						
	Chaula mota usna	Rice, coarse ...	2 4 0						
	" su p e r i o r	.....	2 8 0						
	husked.								
	Chaula saru ...	.....	2 15 0						
	" arua ...	.....	3 8 0						
6	Gaham ...	Wheat ...	3 0 0						
	Atta ...	Coarse flour ...	4 0 0						
	Maeda ...	Fine " ...	4 8 0						
	Suji ...	Granula ...	6 0 0						
7	Harar ...	Cajanus Indicus	2 6 0						
		Jamalpur brought from Centrl Provinces.							
	Harar desi ...	Ditto Lower Provinces.	2 12 0						
	" Kangu ...	Ditto North Western.	4 0 0						
8	Jao (grain) ...	Barley ...	3 0 0						
9	Kultha ...	Dolichose Biflorus	1 10 0						
10	Khesari and	Lathyrus Sativus	1 12 0						
	Chana,								
11	Muga Kala ...	Mung ...	2 12 0						
	" Thain ...	.....	2 8 0						
	" Chaita ...	.....	4 12 0						
	" Methi ...	.....	3 0 0						
12	Masura ...	Ervum lens ...	3 0 0						
13	Mandia ...	Eleusine Corocana (rare).	.....	0 1 0					
(b) Oil and Ghi.					(d) Salt and Acids.				
1	Chooa ...	A preparation of resin and oil.	.....	0 6 0	1	Ambula ...	Mango slices dried with salt, etc.	3 6 0	
2	Jara tela ...	Castor oil	11 0 0	0 4 6	2	Tentuli ...	Tamarind not cleaned.	1 2 0	
3	Karanja tela ...	Guldupa oil	11 8 0		3	Nuna (Goda) ...	Karkach ...	3 10 0	
4	Kerosine ...	Petroleum	3 14 0	0 2 3	4	" (Panga) ...	Liverpool ...	3 10 0	
		per box of two tins of 48 quarts or 65 lbs.							
5	Nadia tela ...	Cocoonut oil	15 8 0	0 6 6					
6	Rasi ...	Gingelly "	9 12 0						
	Tisi ...	Linseed "	10 0 0						
7	Sarisa (Bengal) ...	Mustard "	10 0 0						
	" (local) ...	Ditto "	10 8 0						
8	Ghi Gawa (local)	Clarified butter of cow	.....	1 0 0					
	" Maisa ...	Clarified ditto buffalow.	34 0 0	0 14 0					
	Ghi Cuttack supply	.....	32 0 0	0 13 0					
(c) Sugar, etc.					(e) Spices and Condiments.				
1	Chini ...	Refined white sugar	8 8 0		1	Alaicha ...	Cardamom ...	.....	0 10 0
	Gura ...	Molasses	4 12 0			Ada ...	Ginger, raw	7 8 0	0 3 6
					2	Bacha ...	Orris root	.....	0 6 0
					3	Dalchini ...	Cinamon	.....	0 11 0
					4	Dhania ...	Coriander	.....	0 2 3
					5	Golmarieh ...	Pepper	28 0 0	0 12 0
					6	Goa ...	Betel-nut	7 0 0	
					7	Gujrati ...	.....	5 0 0	
					8	Gandha Sunthi, a variety of dried ginger.	.....	.....	0 6 0
					9	Gandhaka ...	Sulphur	.....	0 5 0
					10	Gogala ...	Lig numaloes	.....	0 6 0
					11	Haldi (desi) " Dakhin.	Turmerica (local) Turmeric supplied from South.	7 0 0	0 3 6 0 3 0
					12	Jaetri ...	Mace	.....	2 12 0
					13	Jaifala ...	Nutmeg	.....	1 0 0
					14	Jasti Madhu ...	Liquorice	.....	0 6 0
					15	Jaba khar ...	Saltpetre	.....	0 5 0
					16	Jira ...	Cummin	14 0 0	0 6 0
					17	Jhuna ...	Resin	6 8 0	0 3 0
					18	Kala Jira ...	Nigella Jodica	7 0 0	0 3 0
					19	Kabab chini ...	Cubeli	.....	0 10 0
					20	Karpurdana ...	.....	.....	0 8 0
					21	Karpura ...	Camphor	.....	2 0 0
					22	Khaera ...	Catechu	14 0 0	0 6 0
					23	Lanka Marich (Dakhin), (desi)	Chilies from South	12 8 0	.....
					24	Labanga ...	Local	.....	0 3 0
					25	Methi ...	Clove	.....	0 9 0
					26	Pan Mohuri ...	Fenu Greek	4 8 0	0 2 0
					27	Piaja ...	Aniseed	7 0 0	
					28	Postakdana ...	Olnton	3 8 0	
					29	Pippali ...	Poppyheads	9 0 0	
					30	Rasuna ...	Long pepper	.....	0 7 0
					31	Rai ...	Garlic	3 8 0	.....
					32	Saupa ...	(White mustard)...	4 12 0	0 2 0
					33	Saindhav ...	.....	.....	0 1 0
					34	Sunthi (luna) ...	Roek Salt	.....	0 3 0
					35	Sindura ...	Dried ginger	.....	0 5 0
					36	Sora ...	Vermilion	.....	5 0 0
					37	Harira ...	Nitre	.....	0 5 0
							.....	.....	0 2 0

Serial No.	Vernacular name arranged alphabetically.	Corresponding English or Latin name.	Current price per maund.	Current price per seer.	Serial No.	Vernacular name arranged alphabetically.	Corresponding English or Latin name.	Current price per Maund	Current price per seer.
1	2	3	4	5	1	2	3	4	5

<i>(f) Stimulants.</i>					<i>(k) Vegetables.</i>				
			Rs. A. P.	Rs. A. P.				Rs. A. P.	Rs. A. P.
1	Aphima ...	Opium per tola ...	.....	0 7 6	1	Alu Bilati ...	potato ...	2 4 0	0 1 3
2	Ganjai ...	Ganja ...	.....	0 3 6	2	„ Desi ...	Yam ...	2 0 0	0 1 0
3	Pati ...	„ leaves ...	.....	0 1 0	3	Baigana ...	Brinjal ...	.....	0 0 6
4	Sarap (Desi) ...	Country liquor per lb. ...	.....	1 8 0	4	Baitalu ...	Pampkin (each of ordinary size) ...	0 2 0	
5	Tadi ...	Date juice per seer ...	.....	0 1 0			to ...	0 4 0	
6	Tamaku Dokta ...	Tobacco leaf ...	15 0 0	0 6 6	5	Bhendi ...	.....	.....	0 0 9
	Gurakhu ...	„ with molasses. ...	.....	0 6 0	6	Chhachinda ...	.....	.....	0 0 9
7	Pan ...	Betel leaves per 1,000. ...	.....	1 0 0	7	Janhi ...	.....	.....	0 0 6
<i>(g) Milkman's Stores.</i>					8	Kadali (batal) ...	Carry plantain (bunch of ordinary size). ...	0 5 0	
							to ...	0 6 0	
1	Chhena (Dudha) ...	Milk cream ...	.....	0 2 0	9	Kandamula ...	Sweet Pptato ...	.....	0 0 6
2	„ Dahi ...	Curd ...	.....	0 1 0	10	Karala ...	.....	.....	0 0 9
3	Dudha ...	Milk ...	.....	0 1 6	11	Kabiphula ...	Collywer ...	0 1 6	
4	Dahi (Ghola) ...	Butter milk ...	.....	0 0 6			to ...	0 3 0	
5	„ (Basa) ...	Curd ...	.....	0 1 0	12	Mula ...	Radish ...	.....	0 1 3
5	Makhan ...	Butter ...	.....	1 0 0	13	Nao ...	Gourd ...	.....	
6	„ of curd ...	.....	.....	0 8 0	14	Panikakharu ...	Water Pampkin ...	.....	
<i>(h) Confectioners Stores.</i>					15	Sajanachhum ...	.....	6 per	3 pies.
					16	Simba ...	Bean ...	.....	
1	Sweets ...	Made of Ghee ...	.....	0 8 0	17	Saru ...	Aram ...	1 2 0	0 0 6
	„	Ordinary ...	.....	0 6 0	<i>(l) Fruits, etc.</i>				
2	Tarts & pastry, &c	.....	.....	0 8 0	1	Amba ...	Mango ...	According to the season	yield.
3	Specially ordered things	.....	.....	0 12 0				2 per	3 pies.
	„	Superior ...	.....	1 0 0	2	Atta ...	Apple ...	1 0 0	
4	Chura ...	Flattened rice ...	3 0 0	0 1 6	3	Batabi ...	Penuels ...	2 0 0	
5	Huramba ...	Rice fried with sugar. ...	4 8 0	.....	4	Bela ...	Wood apple ...	1 per	4 Annas.
6	Murhi ...	„ „ Salt ...	.....	0 1 3	5	Dalimba ...	Pomegranate ...	1 per	3 pies.
7	Chhatu ...	.....	.....	0 2 0	6	Jamilo ...	Starapple ...	.....	
8	Ukhra ...	Sweetened fried rice	.....	0 4 0	7	Jesti ...	Acid fruit ...	2 per	3 pies.
<i>(i) Metals.</i>					8	Kakuri ...	Cucumber ...	.....	
					9	Karmanga ...	.....	.....	
1	Kala Suna ...	English standard coin ...	Per tola	25 0 0	10	Kaitha ...	.....	.....	
	Patri „	Leaf gold ...	„	26 0 0	11	Kagaji nembu ...	Lemon ...	3 per	3 pies.
	Jaipuri „	Mohar „	.....	24 0 0	12	Kadali ...	Plaintain (round) ...	2 per	
2	Chandirupa ...	Pure Silver ...	Per tola	0 12 6	13	Kamala ...	Orange ...	.....	
3	Tamba ...	Copper ...	per seer.	1 8 0	14	Kendu ...	Embryopteris ...	.....	
4	Kansa ...	Bell metals ...	„	1 2 0	15	Maka ...	Ghilinifera ...	.....	
5	Pital ...	Brass ...	„	0 15 0	16	Mahula ...	Maize ...	.....	
6	Khapur ...	Antimony ...	„	0 6 0	17	Nadia ...	.....	.....	
7	Sinsa ...	Lead ...	„	0 5 0	18	Narang ...	Cocanut ...	1 per	1 anna.
8	Dasta ...	Zinc ...	„	0 5 0	19	Oau ...	A kind of orange	.....	
9	Ranga ...	Paint ...	„	1 4 0	20	Panasa ...	Jack ...	1 per	8 annas,
10	Loha ...	Iron ...	„	0 2 0	21	Peora ...	Guava ...	.....	
11	Para ...	Mercury ...	„	2 8 0	22	Sapuri ...	Pineapple ...	1 per	1 anna.
<i>(j) Cost of manufactured of metals.</i>					23	Salma ...	.....	.....	
	Per tola of gold ...			0 8 0	24	Tala ...	Palm ...	.....	
	„			to	25	Tarbhuji ...	Watermilan ...	.....	
	„ Silver			0 2 0				.....	
				to				.....	
	Per seer of brass... and bell metals.			0 4 0				1 8 0	10 Yards
				to				1 12 0	
				0 6 0				2 0 0	
				0 8 0				2 4 0	

<i>(m) Yarn and Cotton piece goods.</i>				
1	Dhala Suta ...	White thread ...	.....	
	No. 40	Per rupee 8 moras	.....	2 seers.
	„ 20	„ 10 „	.....	2½ „
	„ 12	„ 7 „	.....	1½ „
	Nal „	Red per rupee 5	.....	
	Nila „	Moras.	.....	1½ „
2	Dhuti Bilati ...	Green, etc. per rupee 4 moras.	.....	1 seer.
		Cloth 1 pair	1 8 0	
		„	1 12 0	
		„	2 0 0	
		„	2 4 0	

These others vary according to produce of the season.

(m) Yarn and Cotton piece goods.

(m) These vary according to the workmanship and make and size of the article.

Serial No.	Vernacular name arranged alphabetically.	Corresponding English or Latin name.	Current price per maund.	Current price per seer.	Serial No.	Vernacular name arranged alphabetically.	Corresponding English or Latin name.	Current price per maund.	Current price per seer.
1	2	3	4	5	1	2	3	4	5

(m) Yarn and Cotton piece goods—concl'd.					(o) Wood (Fuels)—concl'd.				
			Rs. A. P.	Rs. A. P.				Rs. A. P.	
3	Sari Bilati ...	1 pair ...	2 0 0	10 yards.	5	Bara ...	Banian ...	1 tree for	
4	Lawn cloth ...	1 than of 40 yards	2 8 0	"		And other trees are sold in consideration of the quantity of fuels and average ..		10 0 0	
	White ...	.....	5 0 0	"					
			6 8 0	"					
			8 0 0	"				0 4 0	
			10 0 0	"				per maund	
5	Markin ...	1 than of 39 yds. according to quality ...	3 to 6	"	(p) Live stock, &c.				
6	Jute ...	.....	6 0 0	"	1	Balada ordinary young.	Plough or pack bullocks and 5 ft height.	15 0 0	per head
7	Tasar (Silk) ...	.....	5 0 0	"	2	Gai ...	Milk cow ...	1 0 0	
								1 4 0	
								per chatak of morn- ings milk if day at half rate.	
					3	Khasi ...	Goat ...	0 4 0	per seer of meat.
					4	Bhera ...	.....	0 2 6	per seer of mutton
					5	Batak ...	Duck goose ...	per head	0 6 0
					6	Murgi ...	Fowl ...	"	0 4 0
					7	Hansa ...	Goose ...	"	1 4 0
					8	Anda Murgi ...	Fowl's egg ...	2 for 3 pies.	
					9	" Batak ...	Duck's " ...	"	
						Beaf ...	.....	1 anna	
					10	Fish (very rare)...	.....	per seer. 4 annas	
								Per seer.	

(n) Country made Coarse Cotton.				
1	Gamcha ...	Towel 6 cubits ...	0 5 0	.....
1	Dhoti ...	9 cubits ...	0 12 0	.....
1	Sari ...	10 " ...	1 0 0	.....

(o) Wood (Fuels).				
1	Jaleni ...	Fuel ...	0 9 0	0 0 3
2	Bamboo of middle size length 13 ins.	.....	8 pieces	1 0 0
3	Timber for posts 1 pair 6 inches girths and 8 cubits length ...	.....	10 to 14 annas. 1 tree 3 to 7 rupees.	.....
4	Amba ...	Mango tree ...		.....

APPENDIX O.

Details of Expenditure for the family of an Ordinary Raiyat ; three adult members and two children

Condiments per month						RS.	A.	P.
Fresh fish and "Sukhua" (dried fish)	...	...	...	...	...	0	4	0
Salt	...	...	...	...	...	0	3	6
Oil (mustard and kerosine)	...	...	...	...	...	0	7	6
Chilis, tamarind, mustard, and spices	...	...	...	...	...	0	3	9
Betel and chewing materials...	...	...	...	...	...	0	7	6
Tobacco	...	...	...	...	...	0	3	9
Molasses	...	...	...	...	...	0	2	0
Turmeric	...	...	...	...	...	0	2	0
Total						2	2	0
Clothing Annual								
Two pair dhotis for each of 3 males @ 10 annas	...	...	...	...	...	3	12	0
Five gamcha at 6 annas	...	...	...	...	...	1	14	0
One sari, one dhoti, one gamcha for two females	...	...	...	...	...	2	7	0
One pair winter cloths	...	...	...	...	...	1	0	0
Total						9	1	0
Miscellaneous								
Village donations at the festivals of Dole Jatra, Durga Puja or at the time of cholera or small-pox.	...	...	...	...	...	0	2	0
Cash "Bidagi" to the Brahmans attending the house on special days	...	...	...	...	...	0	4	0
The village doctor for drugs...	...	...	...	...	...	0	4	0
For meeting and entertaining the relatives of the family	...	...	...	...	...	1	0	0
Vermillion for use by the females, excepting widows who are prohibited	...	...	...	...	...	0	4	0
Total						1	14	0
Ornaments of the Females								
Two bell-metal bangles ($\frac{1}{2}$ seer)	...	...	...	...	...	1	6	0
Two do. anklets ($\frac{1}{2}$,,)	...	...	...	...	...	1	0	0
Two do. armlets ($\frac{1}{2}$,,)	...	...	...	...	...	0	8	0
One necklace of silver coins...	...	...	...	...	...	10	0	0
One gold nose ornaments	...	...	...	...	...	8	0	0
One silver finger ring	...	...	...	...	...	1	8	0
Do. topped hair pin	...	...	...	...	...	1	0	0
One pair shellac or brass "churis"	...	...	...	...	...	1	0	0
Total						19	6	0
Purchased once in 15 years ; annual outlay therefore Rs. 1-5-0.								

Utensils						Rs.	A.	P.
One bell metal plate	...	...	...	...	...	1	10	0
Two do. cups	...	...	...	...	...	0	12	0
One large brass "lota"	...	...	...	...	...	1	8	0
One small do.	...	...	...	...	...	1	0	0
One large bell metal cup	...	...	...	...	...	1	8	0
Earthen pots	...	...	...	...	...	0	4	0
Two cups of muguni store	...	...	...	...	...	0	6	0
One drinking tumbler	...	...	...	...	...	0	8	0
Total						7	8	0
Purchased once in 15 years ; annual outlay therefore Rs. 0-8-0.								
<i>Extraordinary Expenditure</i>								
BIRTH.—(The expense is largest at that of the first child.)								
One new mat	...	...	...	...	...	0	5	0
One new cloth	...	...	...	...	...	1	0	0
One pair shellac churi	...	...	...	...	...	0	8	0
Cowries	...	...	...	...	...	0	0	3
Oil and turmeric for child	...	...	...	...	...	0	2	0
Purchase of fried rice and sweets on the 5th day	...	...	...	...	...	0	3	0
Purchase of cakes and palmleaf ceremony on the 6th day when the Goddess of Fate is asked to determine the child's future.	...	...	...	...	...	0	4	0
Remuneration of washerman and barber	...	...	...	...	...	0	2	0
Total						2	8	3
DEATH.								
One new cloth for the corpse	...	...	...	...	...	0	5	0
Food and oil for the men who carry and burn the corpse	...	...	...	...	...	0	2	3
Wood for burning obtained from zamindars, where payment takes the shape of abwabs.	...	...	...	...	...	0	0	0
Food for the family, some Brahmans, the Washerman, Barbar and Chowkidar on the 10th and 11th day (Chura, Gur, Curds and Salt).	...	...	...	...	...	0	12	0
New earthenpots and cocoanut spoons (the old ones being thrown away on the burial ground).	...	...	...	...	...	0	1	0
Ghi (Ghiabhat is the name of the ceremony)	...	...	...	...	...	0	0	6
For feeding the kinsmen	...	...	...	...	...	0	9	0
Total						1	13	9
For a child the expense will be half that for an adult.								