

PUBLIC WORKS DEPARTMENT
(BOMBAY PRESIDENCY)

ADMINISTRATION REPORT

FOR THE YEAR

1916-1917



PART II

IRRIGATION WORKS

ACCOUNTS AND STATISTICAL STATEMENTS

(Part I—Civil and Military Works and Railways is issued separately)

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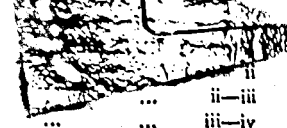
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CONTENTS.

Narrative Portion.

	
I. General—	
A. Details of Expenditure	...
B. Figures for Capital Works only	...
C. Figures for other than Capital Works	... ii—iii
D. Review of Irrigation	... iii—iv
II. Sind—	
1.—Nature of inundation and rainfall	... iv
2.—Indus Right Bank Division—	
(i) Works for which Capital and Revenue Accounts are kept	... iv—v
(ii) Works for which only Revenue Accounts are kept	... v—vi
3.—Indus Left Bank Division—	
(i) Works for which Capital and Revenue Accounts are kept—	
(a) Canals taking off from the Eastern Nara	... vii—viii
(b) Canals taking off direct from the Indus	... viii—ix
(ii) Works for which only Revenue Accounts are kept	... ix—x
4.—Protective Embankments	... x—xi
5.—Indus River Commission	... xi—xii
6.—Miscellaneous	... xii—xiii
III. Deccan and Gujarát—	
1.—Northern Division—	
(i) 1st class Irrigation Works	... xiii—xiv
(ii) 2nd class Irrigation Works and Agricultural Works	... xiv
2.—Central Division—	
(i) 1st class Irrigation Works	... xiv—xv
(ii) 2nd class Irrigation Works	... xv
3.—Deccan Irrigation Division—	
(i) 1st class Irrigation Works—	
(a) Works in existence	... xv
(b) Works under construction	... xv—xvii
(ii) 2nd class Irrigation Works	... xvii
4.—Southern Division—	
(i) 1st class Irrigation Works	... xvii—xviii
(ii) 2nd class Irrigation Works	... xviii
5. Scientific Works—	
(a) River gauging	... xviii—xix
(b) Experiments on the efficiency of canals	... xix
Administrative Accounts.	
Administrative Accounts, Public Works Department (Irrigation), for the Bombay Presidency and Sind	... 1—129
Statistical Statements for Irrigation Works, Deccan and Gujarat.	
Statement I A—Statement showing size, command, length and cost of canals	... 132—133
Statement II A—Statement showing details of catchment area, storage, command and cost of reservoir projects	... 134—135
Statement I B—Capital Account of Irrigation Works for and to end of 1916-17	... 136—139
Statement I C, showing financial results of irrigation works for the year ending 31st March 1917. Realizations under main heads of revenue and working expenses	... 140—141
Statement II C, showing general financial results of irrigation works for and to end of 1916-17	... 142—143
Statement III C—Demands and realizations during the year 1916-17	... 144
Statement IV C, showing the financial results of irrigation works for 1916-17 based on assessments	... 145

	Pages.
Statement I E, showing areas irrigated and average discharges and duty of water in regard to irrigation works during 1916-17	145—147
Statement II E, showing incidence of working expenses and assessed revenue on certain irrigation works during 1916-17	148—149
Statement III E, showing quantity and value of crops irrigated during 1916-17	150—159
Statement IV E—Comparative Statement of irrigation and rainfall for the years 1915-16 and 1916-17	160—163
Statement F, showing remissions on irrigation works for the year 1916-17	164
Statement I F, showing water-rates per acre in force during 1916-17	165—166
Statement G, showing areas and water-rate assessments during 1916-17 according to the system of classification adopted in fixing the scale of water-rates...	167—169
Statement H, showing operations of the year 1916-17	170—171
Statistical Statements for Sind.	
Statement I A—Statement showing size, command, length and cost of canals	174—177
Statement I B—Capital Account for Irrigation Works for and to end of 1916-17	178—179
Statement I C, showing the financial results of irrigation works for the year ending 31st March 1917. Realizations under main heads of revenue and working expenses	180—181
Statement II C, showing general financial results of irrigation works for and to end of 1916-17	182—183
Statement III C, showing general financial results of irrigation works for and to end of 1916-17	184
Statement IV C, showing the financial results of irrigation works for 1916-17 based on assessments	185—187
General Abstract of financial results of irrigation works for and up to end of 1916-17	188—195
Statement I E, showing areas irrigated and discharges and duty of water in relation to certain works during 1916-17	196—197
Statement II E, showing incidence of working expenses and assessed revenue on certain canals during 1916-17	198
Statement III E, showing quantity and value of crops irrigated during 1916-17	199—207
Statement IV E—Comparative Statement of irrigation and rainfall for the years 1915-16 and 1916-17	208—211
Maps.	
Map of the Northern Division.	} At end of Volume.
Do. Central and Deccan Irrigation Divisions.	
Do. Southern Division.	
Index map of the Indus Right and Left Bank Divisions.	

ADMINISTRATION REPORT.

OF

IRRIGATION WORKS IN THE BOMBAY PRESIDENCY FOR 1916-17.

I.—GENERAL.

A.—DETAILS OF DIRECT EXPENDITURE.

In the year 1916-17 the direct expenditure (excluding collection charges) on all the Irrigation Works throughout the Presidency amounted to Rs. 68½ lakhs compared with Rs. 86½ lakhs in the previous year, and Rs. 93 lakhs, the average of the last three years. The total is classified and divided between the Presidency proper and Sind as follows :—

	Deccan and Gujarát.	Sind.	Total.
	Rs.	Rs.	Rs.
Works	24,01,870	6,24,804	30,26,674
Repairs	4,87,321	19,48,993	24,36,314
Establishment	8,05,999	8,53,099	16,59,098
Tools and Plant	—1,19,209	—1,52,109	—2,71,318
Refunds of Revenue	—9,115	.....	—9,115
Gratuitous Relief	.....	.....	.....
Suspense Account	8,313	796	9,109
Receipts on Capital Accounts	—5,319	.....	—5,319
Total	35,69,860	32,75,583	68,45,443

2. The distribution of the above expenditure under Major heads of Accounts is given below :—

Heads.	Amount.	Remarks.
	Rs.	
<i>Capital Account—</i>		
Major Works—		
Protective Works	24,45,742	
Productive Works	2,37,489	
	26,83,231	Imperial.
Minor Works and Navigation—		
Works for which Capital and Revenue Accounts are kept	52,883	Half Imperial and half Provincial
<i>Revenue Account—</i>		
Major Works—		
Protective Works	2,84,455	
Productive Works	12,74,019	
	15,58,474	Do.
Minor Works and Navigation—		
Works for which Capital and Revenue Accounts are kept	5,76,069	
Works for which only Revenue Accounts are kept	10,73,058	
	16,50,027	Do.
<i>Works for which neither Capital nor Revenue Accounts are kept—</i>		
Agricultural Works	7,95,154	Do.
Contribution Works	42,205	Deposit contribution.
	8,37,419	
Construction of Protective Works	63,409	Imperial.
Famine Relief outlay on Irrigation Works	.....
Grand Total	68,45,443	

(a) Includes expenditure in England, Rs. 16,997.
(b) Includes expenditure in England, Rs. 222.

B.—FIGURES FOR CAPITAL WORKS ONLY.

3. The receipts on Capital Irrigation Works alone compared with the year's expenditure show a profit of Rs. 34,81,686 in Sind and a loss of Rs. 15,37,473 in the Deccan and Gujara't :—

Class of works.	Direct Receipts.	Indirect Receipts.	Total Direct and Indirect Receipts.	DIRECT EXPENDITURE.		
				Capital.	Working expenses (including the share of collection charges).	Total.
Major Irrigation works { Deccan and Gujara't	14,56,083	4,064	14,60,147	24,81,564	5,80,220	30,61,784
{ Sind	2,28,078	31,24,868	33,52,946	2,37,489	12,01,300	14,38,789
Minor Irrigation works for which Capital and Revenue Accounts are kept: { Deccan and Gujara't	1,72,221	5,056	1,77,277	5,992	1,07,121	1,13,113
{ Sind	74,978	21,08,893	21,83,871	11,069	6,05,273	6,16,342
Total Deccan and Gujara't	16,28,304	9,120	16,37,424	24,87,556	6,87,341	31,74,897
Total Sind	3,03,056	52,33,761	55,36,817	2,48,558	18,06,573	20,55,131
Grand Total, Deccan and Gujara't and Sind, 1916-17	19,31,360	52,42,881	71,74,241	27,36,114	24,93,914	52,30,028
Grand Total, average of last three years	19,40,312	46,37,141	65,77,453	45,00,692	24,69,154	69,69,846

4. The area under irrigation showed, on the whole, an increase of over 6 per cent. on the average of the last triennium. These areas and estimated value of the crops grown are contrasted in the following statement :—

Capital Works.	Area.			Value.		
	1916-17.	Average of 3 years ending 1915-16.	Difference.	1916-17.	Average of 3 years ending 1915-16.	Difference.
	Acres.	Acres.	Acres.	Rs.	Rs.	Rs.
Major Works— Deccan and Gujara't	90,228	136,747	- 46,519	1,32,36,841	1,33,23,102	- 86,261
Sind	1,490,990	1,357,158	+ 133,832	3,62,94,016	3,33,38,791	+ 29,55,225
Total	1,581,218	1,493,905	+ 87,313	4,95,30,857	4,66,61,893	+ 28,68,964
Minor Works— Deccan and Gujara't	30,911	31,916	- 1,005	11,74,844	14,77,371	- 3,02,527
Sind	1,093,304	1,008,268	+ 85,036	2,74,98,355	2,28,72,513	+ 46,25,842
Total	1,124,215	1,040,184	+ 84,031	2,86,73,199	2,43,49,884	+ 43,23,315
Grand Total	2,705,433	2,534,089	+ 171,344	7,82,04,056	7,10,11,777	+ 71,92,279

NOTE.—For further details see Statements III-E and IV-E of Statistical part of Irrigation Administration Report.

C.—FIGURES FOR OTHER THAN CAPITAL WORKS.

5. These may be works for which only Revenue Accounts are kept, or works for which neither Capital nor Revenue Accounts are kept. The former are termed Second Class Irrigation Works in the Presidency (excluding Sind). The receipts on these works are principally in the form of a share of the Land Revenue and are termed "Indirect" and as such are book credits, so that figures of revenue appearing in the Finance Accounts, as distinguished from the Statistical Statements accompanying the Irrigation Administration Report, are very small, being for direct revenue only, *via.*, proceeds from sale of water, etc. The area of irrigation on these very numerous works is always large, but it fluctuates to

some extent with the seasons. The following statements give a comparison of this year's and the average of the last three years' figures :—

Class of works.	Revenue.			Expenditure.	Net Revenue.	
	Direct.	Indirect.	Total.			
	Rs.	Rs.	Rs.	Rs.	Rs.	
MINOR WORKS.						
Works for which only Revenue Accounts are kept.	Deccan and Gujarát.	11,220	5,80,082	5,91,302	3,51,850	2,39,452
	Sind	60,672	28,36,078	28,96,750	9,48,886	19,47,864
Total for 1916-17 ...	71,892	34,16,160	34,88,052	13,00,736	21,87,316	
Average total for triennium ending 1915-16 ...	79,602	30,71,301	31,50,903	14,59,157	16,91,746	
Works for which neither Capital nor Revenue Accounts are kept.	Deccan and Gujarát.	13,022	13,022	74,782	- 61,760
	Sind	15,384	9,65,542	9,80,926	(A) 8,08,577	1,72,349
Total for 1916-17 ...	28,406	9,65,542	9,93,948	8,83,359	1,10,589	
Average total for triennium ending 1915-16 ...	25,584	9,49,699	9,75,283	14,33,012	- 4,57,729	
Grand Total for 1916-17 ...	1,00,298	43,81,702	44,82,000	21,84,095	22,97,905	

NOTE.—In this report whenever the average is referred to, it is the average of the last three years, unless otherwise defined. (A) Exclusive of Rs. 222 on account of English expenditure incurred in the Karachi Canal during 1916.

Class of works.	Area.			Value of crops.		
	1916-17.	Average of triennium ending 1915-16.	Difference.	1916-17.	Average of triennium ending 1915-16.	Difference.
	Acres.	Acres.	Acres.	Rs.	Rs.	Rs.
Minor Works—						
Works for which only Revenue Accounts are kept—						
Deccan and Gujarát ...	143,723	136,766	+ 6,954	43,13,643	39,44,501	+ 3,69,142
Sind	1,195,802	1,126,520	+ 69,282	2,89,79,210	2,44,43,936	+ 45,35,274
Total ...	1,339,525	1,263,286	+ 76,236	3,32,92,853	2,83,88,437	+ 49,04,416
Works for which neither Capital nor Revenue Accounts are kept—						
Deccan and Gujarát ...	1,095	1,490	- 395	46,691	45,655	+ 1,036
Sind	39,778	43,236	- 3,458	10,02,281	9,68,929	+ 33,352
Total ...	40,873	44,726	- 3,853	10,48,972	10,14,584	+ 34,388
Grand Total ...	1,380,398	1,308,015	+ 72,383	3,43,41,825	2,94,03,021	+ 49,38,804

D.—REVIEW OF IRRIGATION.

6. A general review of irrigation brings out strikingly the different conditions obtaining in Sind and in the Presidency proper. Well irrigation is similar in all parts of the country but canal irrigation in Sind is of quite a different nature from the canal and tank irrigation in the Deccan and Gujarát. Description of irrigation.

7. In Sind, the rainfall is scanty and the cultivation entirely depends upon irrigation, the country is flat and the soil is mostly very fertile, but until it is brought under irrigation, the land presents everywhere the appearance of a desert.

8. In Sind, the canals are mainly dependent for their water supply on the inundation of the river Indus. They receive water, with few exceptions, from June to September only and their flow is very variable. With a consistently low river, the canals can get only very little water, while a fairly high and long-lasting inundation permits of the wide-spread cultivation of rich crops.

9. In the Deccan and Gujarát, the cultivation depends upon rainfall only and the tanks and canals are therefore useful for the purpose of growing more valuable crops or to counteract, if necessary, the evil effect of years of deficiency of rainfall.

Inundation and
rainfall in Sind.

10. The inundation of 1916 was a satisfactory one owing to abnormally heavy but timely rainfall which was of great assistance in mitigating the otherwise serious effects of the low river in June.

Rainfall in the
Deccan and Gujarát.

11. In Gujarát, the rainfall, though not much in defect of the normal, was not satisfactory, being local and scattered. In the Deccan, however, it was seasonable and consequently there was less demand for canal water for monsoon and rabi crops.

12. The area irrigated in Sind was over $3\frac{1}{2}$ million acres which is more than a quarter of the culturable area of the province and the gross revenue was 94 lakhs of rupees while the capital expenditure upto date on irrigation works has been 326 $\frac{1}{2}$ lakhs.

13. In the Deccan and Gujarát the total area irrigated was 266,000 acres only out of 28 million acres classed as culturable and the revenue from all sources was nearly 22 $\frac{1}{2}$ lakhs. The capital expenditure upto date has been 619 lakhs of rupees.

II.—SIND.

1.—NATURE OF INUNDATION AND RAINFALL.

Character of
Inundation.

14. The inundation of 1916 was, on the whole, a satisfactory one owing to abnormally heavy but timely rainfall in June when the river was unusually low.

15. The river commenced to rise early in June and reached its highest level on the 16th August when the reading at Bukkur was 13.6 feet, as against 12.7 feet in 1915, and 17.9 feet, the maximum reading recorded. On the 14th August it attained the "fair irrigating level" of 13 feet. This level and over was registered for 9 days as against none in 1915, 45 days in 1914 and an average of 20 days for the previous triennium.

16. The corresponding 'fair irrigating level' *vis.*, 17 feet at Kotri, was first registered on the 21st June and this level and over was maintained continuously upto the 14th September, *i. e.*, for 86 days as against 65 days in 1915, 100 days in 1914 and an average of 77 days for the previous triennium. The highest reading was 22.1 feet on the 24th August as compared with 19.6 feet in 1915, and 23.8 feet, the maximum reading recorded.

Rainfall.

17. The season's abnormally heavy rainfall was of great assistance in mitigating the otherwise serious effects of the low river during June, although it caused some breaches in canals in north Sind which were, however, closed with small damage to crops.

2.—INDUS RIGHT BANK DIVISION.

(i)—WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Desert Canal.

18. The Desert canal was opened on 1st June as usual and the supply was very good throughout, except at the tails of some branch canals where there was slight deficiency. Though the full supply gauge reading was obtained on 40 days the canal discharged its designed discharge of 2,750 cusecs on 83 days.

19. The Adiwah worked better than last year. A scheme for remodelling it is under consideration.

Unharwah.

20. The Unharwah was opened on 1st June 1916 and the supply was, on the whole, satisfactory, except on a branch, the Khariwah, but at its tail and that of the Nasir there was slight deficiency chiefly due to a large number of *kacha* sluices. Though the full supply gauge was obtained on 34 days, the designed discharge was recorded on 74 days.

21. The rabi supply was reduced by active erosion just above the head which caused heavy silting in the supply channel in September. Soon after, the main Dhand moved away from the mouth, but a new cut was made extending the mouth to the main Dhand.

Begári Canal.

22. The Begári canal was opened on 1st June as usual and the supply was very satisfactory throughout. The maximum supply which the canal can take was obtainable on 58 days and the designed discharge of 5,668 cusecs was obtained on 67 days.

23. There were complaints of the zamindars whose *karias* take off the main canal below and near the regulators. The only method of removing these complaints is to construct branch canals, proposals for which are under consideration.

24. All the branch canals worked well. There was a little deficiency at the tail of the Nurwah, but this was rectified by rotation of the upper sluices.

25. One breach occurred in the main canal, at mile 33/3 right bank which was quickly closed. The Choi branch breached badly on two occasions at its crossing at the Lundi Dhoro. Retired bunds have now been constructed at this point to minimize the danger of recurrence of such breaches.

Mahiwah.

26. The Mahiwah was opened on 10th June 1916. The canal takes off from the Gudu dhand and has worked very satisfactorily. Usual rotations were enforced to supply water to Deharwah tail and for the irrigation of high lands for rabi. The following works remaining to be done in connection with the Mahiwah Project, (i) widening the Mahiwah Main, (ii) sluice at head of Khambra distributary, (iii) road culvert on Khambra distributary at mile 1/3, have been abandoned and a survey is being made for a new rabi branch starting from mile 1/1 of the Mahiwah in lieu of the projected Mirkosh branch.

27. The Rahuja head of the Sukkur Canal was opened on the 25th May 1916 with 4.8 Sukkur Canal feet at Bukkur, and the gauge at Shikarpur road bridge reading 6.2 feet. This year, this head worked very satisfactorily as it was not found necessary to supplement the canal by opening the old head till 30th September whereas in 1915 the old head had to be opened on 5th July. This good result was due to the clearance that was done during the previous working season. Dhoro "B" was again thoroughly cleared to a bed width of 50 feet to supply the Rahuja head and groyning was done in a particularly wide portion.

All the branches worked satisfactorily.

28. The Ghar canal was opened on 26th May 1916 when the gauge at its head Ghar Canal recorded 4 feet corresponding to 4.5 feet at Bukkur. On the 14th of June the Bukkur gauge read 10.1 feet (the reading which affords a fairly good supply in the canal) and the river rose, with a few fluctuations, till 1st July when 12.2 feet were recorded at Bukkur. During this rise, rice transplantation was pushed on vigorously with the result that all crops were established. Owing to the groynes constructed and clearance done in the Ghar dhand opposite the canal mouth, the supply in the canal proved quite adequate. This year a permanent earthen dam has been constructed across the dhand just below the head of the canal.

29. The Fordwah, a feeder of the Ghar canal and its branches, which takes off from the Ford dhand, worked very satisfactorily. It was opened on 1st June 1916, recording a gauge reading of 5.4 feet on the up-stream and 3.5 feet on the down-stream at the head regulator, when the gauge at Bukkur was reading 4.6 feet. Full supply depth of 10 feet and over was recorded at the 2nd Mile regulator this year for 19 days against 3 days last year. There is generally a scour in the bed as well as on the sides just below its head regulator. To prevent this, every year, groynes are constructed but they have not been very successful. Further groyne work of a more permanent nature has been done this year.

30. The Sattah canal derives its supply from a "Kohri" which is fed from the river Sattah Canal. Indus by an artificial cut, where heavy clearance is necessary every year involving heavy expenditure which must continue until a regular canalized channel is obtained. The canal and its branch, the Rajwah, have worked very satisfactorily although affected by the general deficiency of the early part of the inundation.

(ii) WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.

31. The principal canals under this head are the Sind, Western Nara, Pinyari, Kalri and Baghar canals.

32. The Sind canal was opened on 1st June 1916. The system received an excellent, Sind Canal steady supply upto the end of August, when the river fell suddenly. Most of the lift lands got flow water and rice cultivation was tried to a great extent owing to the ample supply in the system. The very favourable conditions at the head of Colonel Fife's Channel suddenly changed towards the end of August when the river receded from the dhand feeding the channel. A proposal to take advantage of the supply, in future, from the other head, New Feeder, is under consideration. The irrigation works under contemplation in regard to this canal are (i) removing curves in the canal, (ii) remodelling Mangirwah, (iii) reducing karias in Mirwah.

33. The Western Nara canal was opened on 20th May when Bukkur gauge read 4.7 feet Western Nara and flowed with a depth of 3.0 feet at its head. The head regulator was kept fully opened till 10th August when it read 13.0 feet, i.e., 2' more than the full supply level, when it was regulated on account of breaches in the canal. From 1st September the regulator was again kept fully opened.

34. The gauge at the head regulator corresponded well with that of Bukkur up to the middle of September but thereafter showed a difference of nearly 2.5 feet which was mostly due to erosion in the dhand feeding Gharo 'B'.

35. The canal worked very satisfactorily this year and the kharif crops grown were better than last year. The lands were also well soaked for rabi excepting some high portions.

36. In Mehar Sub-division there was deficiency of water from the beginning of July when the river was low and water was taken in the upper reaches for transplantation. But the rotations resorted to in the upper reaches did much good and saved the seedlings from withering. The rainfall in the beginning of August helped to bring the crops to maturity. Much of the kharif crop was flooded but the losses were amply compensated by an increase in rabi cultivation. In the Pritchard and Dadu Sub-divisions the kharif crop on the right bank of the Nara was mostly submerged by hill floods. The canal ceased flowing at the head on 30th October.

37. The New Feeder, till last year, used to take off from the Khambrani dhand, but this year the river has changed its course and the Feeder now takes off direct from the river. The canal was opened on 9th June, with a depth of 6.5 feet on the up and down stream gauges and the regulator remained fully opened till 9th August when the full supply of 12.4 feet was attained. From this date till 2nd September the supply was regulated in accordance with requirements.

38. The river has eroded about a mile at the head of this canal and is now about 2 miles 5 furlongs from the head regulator. There was no complaint of deficiency on this canal and the crops have been better than last year.

39. The Pritchard canal is the second feeder to the Western Nara. It worked excellently and gave a satisfactory supply.

40. It was opened on 25th May and had a moderate supply in the beginning but there was excessive water in the latter half of August and the regulator had to be partly closed. The cultivation has been normal and flourished well.

41. The canal brought down much silt as usual as it takes off directly from the river though it has a non-silting section.

42. Rotations on the stop gate-regulator were carried out as usual. The two escapes, one at mile 13/1 and the other at mile 21/1 and also the Larwah, a large zamindari karia in mile 13/7, were used this year at the time hill floods entered the Western Nara.

Pinyari.

43. The Pinyari was opened on 7th May 1916. It is 67 miles in length and is the chief source of supply of three sub-divisions, *viz.*, the Pinyari, Sujawal and Shahbunder.

44. The supply in the lower reaches of this canal was deficient until the early part of July and even when the normal supply became available the general demand all over the area under command caused considerable difficulties in distribution which were met by rotations. The supply was in excess of requirements after the heavy rainfall in August and was cut off at the head regulator. The work of reduction of vents of karia sluices drawing off excessive supply has now been almost completed.

45. The closure of unauthorized and superfluous karias is having the anticipated result of equalizing the distribution of supply in the branch canals.

46. The cultivated area and the outturn of crops have been exceptionally good.

Kalri.

47. The Kalri canal takes off from the river Indus near Luka and runs south-west through the interior of Tatta taluka and tails into Mirpur Sakro taluka. It was opened on the 11th June and until the 26th July 1916, the full supply in the canal was not available which resulted in loss of much of the early sowings. The well distributed rainfall of August, however, proved very beneficial and the continued good supply in the main and branch canals throughout August and September has yielded excellent crops.

48. Proposals for improving the water-supply in the lower reaches of the Kalri are under consideration.

Baghar.

49. The Baghar canal is one of the deltaic mouths of the river Indus and takes off from the right bank of the river near the town of Tatta. It runs through the Baghar Sub-division and tails into the sea through the Shisha Creek.

50. The supply in the Baghar branches during the early half of the inundation was very inadequate but after the rise of the river and the heavy rainfall of August it became excessive. The canal being unregulated it was inevitable that breaches of its banks should result but these were most promptly dealt with and little damage from flooding resulted.

51. The area under cultivation and outturn of crops are in consequence well up to the average.

Unfinished works.

52. The following are the principal original works under this head which were either commenced during the previous year or during the year under report but were yet in progress :—

	Expenditure during 1916-17. Rs.
Additions and alterations to the regulator at Chiman at mile 5/5 of the Sind canal	1,000
Additions and alterations to the Bichanji Regulator on Chiti canal	5,498
Constructing a head regulator over Charjo Wahur canal...	83,419
Excavating a cut for the Phitta canal from mile 4/7 to 9/0	4,112

53. In the Shikarpur Canals District, owing to the extensive floods, vast areas of land were brought under rabi cultivation.

54. In places exposed to floods, the kharif crop was submerged but the losses were amply made up by an increase in rabi cultivation. The regulation of sizes of karia heads and of rotations at regulators were followed as in previous years and proved satisfactory.

3.—INDUS LEFT BANK DIVISION.

(i) WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

55. While all the canals in the Right Bank Division take off directly from the Indus river, those in the Left Bank Division fall under two groups, *viz.*, (a) the Eastern Nara System and (b) canals taking off direct from the Indus.

Under (a) are the Nara river, the Jamrao, Mithrao, Khipro, Thar and Hiral canals, of which the Khipro canal flows during the inundation only, the others being perennial. The Thar, though classed as perennial, is closed on or about the 1st December each year to save the country round about from being water-logged.

Under (b) are the Dad, Nasrat, Fuleli, Hasanali and a large number of smaller canals, all being classed as inundation canals though the Fuleli receives a fair rabi supply.

(a) Canals taking off from the Eastern Nara.

56. The Nara supply channel is an artificial channel 12 miles in length taking off the river on its left bank above Rohri and forming the mouth of the Nara, an ancient course of the Indus. The supply channel worked satisfactorily during the year and no necessity for the services of a dredger was felt. The minimum discharge recorded during the year was 511 cusecs with a downstream reading of 6.1 feet at the head regulator. The Sarhad floods entered the Nara supply channel and these, though supplemented by abnormal rains, did not reach the Eastern Nara District. The head regulator was tightly closed, when a height of 26.1 feet on the 12th mile gauge was reached, for a full month from 18th August to 18th September. It was completely opened on the 31st September. Nara Supply Channel.

57. Necessary repairs to the channel and its sides, consisting of stone pitching and groyning were carried out during the year. Fluctuations of silting and scouring occurred at the mouth and were carefully watched and recorded as usual. The earthwork of the Ghotki Flood Diversion Bund (29 miles) mentioned in the last year's report was nearly completed during the year under report and a sum of Rs. 1,83,031 was spent on it during the year.

58. The Nara, from the end of the Nara supply channel to the Jamrao, is about 96 miles and from the Jamrao to the Thar Weir about 100 miles in length. It commands over 500,000 acres of culturable land. The area cultivated during the year on the Nara in this district was about 40,840 acres as against 38,233 acres in 1915-16 and 38,324 acres, the average of the previous three years.

59. The Nara bed is in fairly good condition. During the year under report surplus water from the Nara was allowed to pass through Mooral and Bagdad Sangs from 21st August to 13th September to the Makhi dhand, which forms a reservoir for supplementing the rabi supply of the Mithrao. This greatly helped the Mithrao when deficiency was experienced in the latter part of the year.

60. No capital expenditure was incurred on the Jamrao canal during the year. The recoveries of the year from Colonists amounted to Rs. 10,885. The Jamrao Canal.

61. Current repairs to the head works were carried out, as usual, and the head works were maintained in good order throughout the year and were not subjected to any undue strain, as the maximum and average discharge passing down the Nara were both low. The scour hole near the Divide Wall upstream of the weir silted up, as usual, during the flood season when the shutters were down. An opportunity was taken to cover it with a stone mattress 50' x 50' x 1.5' deep to prevent its scouring again before the water level fell and the weir shutters were raised. This has acted very satisfactorily and no further trouble is apprehended.

62. The approach channel has maintained its satisfactory condition. Soundings were regularly taken and the behaviour of the silt trap carefully watched for any signs of undue silting. The groynes at the nose of the island and also on the opposite side on the right bank were maintained in good order. They have stopped erosion and have induced silting, so ending the trouble hitherto experienced at these points.

63. The canal was completely closed for clearance from the 15th March to 25th May 1917. The necessity for this clearance after 17 years of the working of the canal was apparent, as the kharif discharge had fallen considerably below the designed discharge though the gauge reading at the head had been increased. This most important and arduous work was successfully completed within the period fixed for the closure of the canal. It had to be undertaken departmentally and employed some 5,000 men. The silt removed amounted to 106 lakhs cubic feet, at an approximate cost of Rs. 1,00,610. The whole work including raising inspection paths, etc., amounted to Rs. 1,34,780.

64. The area cultivated during the year on this canal was about 248,420 acres as compared with 278,135 acres in the last year and 259,103 acres, the average of the previous three years. The decrease in cultivation was mainly in the rabi crops. The area under cotton was about 101,020 acres as compared with 66,608 acres in the last year and 105,495 acres, the average acreage of the previous three years. A marked feature of this year's cotton was that owing to its high price, zemindars tried to get as many pickings as possible from their crop. Cotton was watered till December and in some cases upto February.

65. An allotment of new land to the extent of 7,467 acres was made during the year on this canal.

66. The Mithrao is, as already mentioned, a perennial canal taking off from the Nara above the Makhi Weir. The water-supply in the canal was fairly good on the whole though deficiency was felt at the tail at the commencement of the season. All the branches also worked well. Mithrao Canal.

67. The 30th and 45th mile distributaries, as mentioned in the last year's report, came into operation in May 1916 and worked satisfactorily. They should do well after some minor adjustments. The construction of these distributaries has improved the condition of

the lower reaches of the Mithrao to some small extent but that portion cannot be adequately benefited until the Makhi distributaries ex-Nara, which have been sanctioned but postponed for lack of funds, are constructed.

68. The capital expenditure of the year amounted to Rs. 10,420 and was mainly incurred on completing the 30th and 45th mile distributaries mentioned above.

69. The area cultivated during the year under report was about 129,290 acres as compared with 129,365 acres in the last year and 130,010 acres, the average of the previous three years.

Hiral Canal.

70. The Hiral canal flowed throughout the year and its supply was sufficient. The canal was designed for the cultivation of dry crops only and rice was entirely prohibited. But owing to the declining prosperity of the tract in the past decade, this restriction was relaxed and, as mentioned in the last year's report, zemindars were permitted to grow rice for two years (1915-16 and 1916-17) in low-lying and water-logged lands and also in high lift irrigated 'kalar' lands in which no dry crops can be successfully grown. As this concession was found to be advantageous to the zemindars and its continuance and extension thought desirable, pending the restoration of the condition of the soil by the construction of drainage channels, etc., certain proposals were put forward at a conference by the Executive Engineer, the Superintending Engineer and the Collector and recommended to Government by the Commissioner in Sind with some modifications. These have since been sanctioned by Government under Government Resolution, Revenue Department, No. 7355, dated the 16th June 1917. A project for the improvement of the Hiral tract by the provision of drainage channels is under scrutiny.

71. The Hiral commands 49,000 acres of culturable land. The cultivation during the year was about 17,970 acres as compared with 17,245 acres in the last year and 17,901 acres, the average of the previous three years.

72. New grants to the extent of 197 acres were made to local zemindars and Junior Talpurs on this canal during the year. Besides this, 688 acres of fallow-forfeited area were restored to the zemindars. An area of 526 acres was, however, forfeited during the year under fallow rules on account of non-payment of fallow assessment and 327 acres of grants cancelled.

Thar Canal.

73. The Thar canal and its branches worked satisfactorily. As the river was low at the beginning of the season, it did not get its full supply level of 8·7 feet and rotation had therefore to be resorted to at the intermediate regulators for the proper distribution of water upto 5th August. The Sufi Distributary newly excavated *ex* the Right Bank Branch of the Thar canal gave a good supply to the high lands near the Thar Protective Embankments but it drew off more than its share. A head regulator was therefore constructed across it during the year in order to restrict the supply.

74. The cultivation on this canal during the year was about 58,780 acres against 63,463 acres in the last year and 60,212 acres, the average of the previous three years.

Khipro Canal.

75. This canal commenced flowing on 29th May and ceased to flow on 7th November. It worked well upto the last and no rotation of karias had to be resorted to this year as is usually the case.

(b) Canals taking off direct from the Indus.

Nasrat Canal.

76. The supply in the Nasrat canal was deficient but the heavy rainfall of July and August and the usual rotations at intermediate regulators helped the cultivation to a very great extent. The canal was opened on the 8th of June and stopped flowing on the 30th September. The late commencement of flow of the canal had a bad effect on the cultivation of cotton which requires early water. There was a considerable reduction in the outturn from cotton owing to much of the late sown crop not having matured before the advent of frost. The loss on cotton cultivation was, however, more than made good by the extensive rabi cultivation which was effected as a result of the heavy rainfall of the season. The cultivation during the year on this canal was about 112,720 acres against 81,662 acres in the last year and 89,925 acres, the average of the previous three years.

77. The new cut, feeding the Nasrat excavated in 1915-16, worked very satisfactorily upto the beginning of September but about the 4th of that month the main current of the river, which, till then, had been eroding its left bank below the off-take of the cut, moved to the other side, leaving a large dhand in front of the new cut. This produced a fall in the water level, so that partly from this cause and partly from the deposit of silt, the canal stopped flowing while the Bukkur gauge read 6 feet although the cut had been excavated to flow with 3 feet at Bukkur. The Lundi dhand has been cleared this year (1917) to feed the Nasrat while the new cut has been closed at both ends and will be opened if erosion starts again at the Lundi Head and causes it to silt.

78. The total expenditure on the construction of karias and kasis upto the end of the year on this canal amounted to Rs. 2,88,860 against which Rs. 3,04,679 have been recovered from the zemindars. The latter amount includes Rs. 8,653 recovered during the year under report. An allotment of 1,758 acres was made on this canal during the year.

Dad Canal.

79. The Dad canal was opened on the 3rd of June and continued to flow effectively upto the 30th of September. The supply, on the whole, was, however, deficient owing to

the abnormally late rise of the river, the rapid fall at the end of the season and silting of the channel feeding the Dad in September. The bad effects of the deficiency were, however, counterbalanced to a great extent, as in the case of the Nasrat, by the heavy rainfall in July and August and by the judicious rotations at the intermediate regulators.

80. There were two breaches between miles 50 and 56. Their occurrence was most unfortunate as it necessitated the closing of the upper regulators to the detriment of the central reach of the canal which, as a rule, gets a deficient supply. The tail of the Dad also breached, as usual, owing to the excess water which had to be let down below the 50th mile regulator to give a suitable level down below. A project is under preparation for the better control of water in the last 36 miles.

81. Owing to erosion at the Dad head in the beginning of the inundation about 2½' to 3' of silt was deposited in the bed. The river, however, changed its course in the end of August and formed a dhand in front of the Dad head but the velocity was not sufficient to scour out the whole of the silt collected. About 1½' was removed by the force of the current while the remainder was cleared by hand.

82. The cultivation during the year was about 97,710 acres against 89,535 acres in the last year and 104,238 acres, the average of the previous three years.

83. The total expenditure on the construction of the karias and kasis up to the end of the year under report amounted to Rs. 1,32,574 against which Rs. 1,36,314 have been recovered from the zemindars. The latter amount includes Rs. 5,254 recovered from Colonists during the current year.

84. New land to the extent of 346 acres was allotted during the year.

85. The Ren distributary is fed by the Dad canal. At the end of the season due to rotations on the Dad system, the supply was deficient. The heavy rainfall in August, however, helped the crops to maturity. The total expenditure on this project upto the end of the year under report was Rs. 2,19,444, the outlay of the year being Rs. 16,055.

86. New land to the extent of 3,942 acres was allotted during the year.

87. The Fuleli canal worked quite satisfactorily during the year. The river was Fuleli Canal. abnormally low till the middle of June but maintained a high level throughout the rest of the season. Full supply at the tail was not reached till July 15th but the heavy rainfall in July, August and September helped the crops throughout the district. The rabi supply was barely sufficient for requirements and as the river was considerably below the average, there was slight deficiency in January and February. There was no accumulation of silt at the Fuleli mouth which is in a very satisfactory condition. The groyne for the reclamation of the eroded banks below the head regulator were maintained and the eroded portion is silting up satisfactorily. The Alipur regulator in the 46th mile of the canal was regulated at intervals throughout the season to give a higher level to the lift lands above it. These rotations have greatly benefited the zemindars in growing rabi crops.

88. As the lower mouth of the dhand supplying the Old Fuleli had silted considerably during the last inundation, a cut through the silted portion was made in a length of 2,500 feet with a 40 feet bed width to give the canal an early supply. There is still mild erosion at the take-off of the cut from the river and it is quite possible that the Old Fuleli will take off direct from the river in the near future and thus get a greatly increased supply.

89. The area cultivated during the year was about 415,000 acres against 416,970 acres in the last year and 400,429 acres, the average of the previous three years.

90. The main Hasanali canal and its branches worked very satisfactorily and even Hasanali Canal. with the low river at the beginning of the season there was no serious deficiency. The lower part of the canal is of a very tortuous nature with mountainous banks. In the future it will be necessary to cut an entirely new channel and at the same time raise the Full Supply Level of the canal. The Rajwah branch of this canal has been greatly improved by the construction of sluices and the tail now gets a satisfactory supply.

91. The area under cultivation on this canal was about 18,000 acres against 17,945 acres cultivated in the last year and 18,019 acres, the average of the previous three years.

92. All the canals in this district worked satisfactorily. There was erosion of the mouth of the Great Marak (dhand portion) during the middle of the inundation. Water Canals in the Hyderabad Canals District. in this canal was almost uncontrollable from the middle of June to the middle of September due to there being practically no draw-off for irrigation on account of abnormal rainfall during these months. In many places the canal banks were overtopped. There were also several breaches which caused much damage to the kharif crops. The project for the construction of a head regulator over this canal has been sanctioned and the work will be taken in hand during the ensuing cold weather.

93. The cultivation this year in the whole of the Hyderabad Canals District will be about 282,500 acres against 257,388 acres in the last year and 279,864 acres, the average of the previous three years.

(ii) WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.

94. The principal canals under this head are the Naulakhi, Mehrab and Dambro in the Nasrat Canals District and Ren, Ghara Mahmudo, Kari Shumali and Nasir in the Hyderabad Canals District. All the canals under this head in both the districts had a fairly good supply.

95. Throughout the season active erosion was going on at the Naulkhi Head but the supply was not appreciably reduced owing to the very high velocity in the *shallow* cut of 1915. Since the beginning of September, the river current has shifted to the right bank leaving a dhand in front of the canal head and lowering the water level. As there is every likelihood of the river returning to the left bank, a new cut has been excavated to feed the canal during this season (1917).

96. The Mehrabwah had a variable supply. At first it received a back water supply from the Nasraf new cut, but as this proved deficient it was given a direct supply from the Lundi dhand. This proved most satisfactory till the end of August when this dhand ceased flowing. Thereafter depressions near the canal, which were full of river and rain water, were drained to supply it. This year (1917) the Mehrabwah will be fed from the Lundi dhand which has been cleared for the purpose.

4.—PROTECTIVE EMBANKMENTS.

97. The maximum gauge reading at Bukkur during the year was 13'6" against 12'7" last year and the water level against the Kashmir bund was 1'9" higher this year than last.

98. Erosion took place all through the inundation season between miles 3/6 to 10/1. The river was close to the front bund and it is quite probable that this will be eroded during 1917-18. Proposals for strengthening bunds are under consideration.

99. As usual, hill torrents caused a breach at the north end of the bund but no serious damage was done.

100. No breaches occurred due to flood water but there were a few leaks in the 1896 loop, Tori Bund and Tori Cross Bund. These were opened and refilled by the establishment.

101. Tori, Haibat, and Gouspur Loops were wetted satisfactorily by the trench system.

102. In the Shikarpur Canals District owing to the good inundation the flood water touched the Sukkur Begari bund in 54 out of 57 miles, Kassimpur bund in 5 out of 10 miles and Naich bund in the whole length of 34 miles. All the bunds stood very well and there was no accident. A few leaks occurred in the Adurtakio loop of the Sukkur Begari bund, but they were promptly detected and closed. Important original work carried out and in progress in this district during the year under report was a loop to Sukkur Begari bund, miles 9 to 13 (Bichanji loop).

103. In the Ghar Canals District water first touched the Mitho Phulu bund at depressions in miles 30/4 and 33/2 on 27th June, and miles 20/1 and 21/1 of Jhalli bund on 29th idem, and water stood in these depressions till 30th September. The maximum gauge readings recorded in these portions were 6'4" and 6'3" respectively on 16th August when Bukkur gauge read 13'6" which is the maximum reading recorded during the year. Bunds in this district are in good condition.

104. The bunds in the Western Nara District have now been extended upto Sehwan in a length of 21 miles making up the total length of bunds to 121 miles. The expenditure incurred on the work during 1916-17 was Rs. 1,03,414. With the exception of some leaks, the whole length of the bunds upto mile 80/1 was safe. As regards the new extension from mile 80/1 to 101, the work has been completed and a regulator over the Phitta canal, where the new extension crosses it, has been constructed. There remains only the regulator over the Chario Wahur which is still in progress. With the exception of a few furlongs, the water stood against this bund in its entire length and the maximum depth of water was 10'3 feet at mile 94/1 and 2. Owing to continuous heavy rains and storms, the slopes of the bund have been greatly damaged by wave-wash. There were about 200 leaks and 11 breaches all of which have since been closed.

105. In the Karachi Canals District the river bunds run along both sides of the river Indus for a length of 52 miles on the right bank and 94 miles on the left bank. The whole bund line on both banks of the river stood well during the inundation although the heavy and continuous rainfall of August caused some damage to the bund surface and slopes. Some considerable length of the Baghar Uchito bund had insufficient free-board owing to change in the set of the river and the raising of this length to the standard section is being provided as far as is practicable from the repair grant.

106. Many old type bund sluices which have proved to be sources of danger have now been replaced by new ones of the standard design.

107. The sluice in mile 13/2 of Baghar Uchito bund suddenly collapsed on the 17th August causing a breach which widened rapidly to 100' and its closure became impossible. This breach resulted in loss to Government of not more than Rs. 3,000 from remission of assessment on crops destroyed by spill water.

108. The uneroded distance between the river and the front Belo bund was only 17'. Erosion had also been active on the right bank opposite 27th mile of Baghar Uchito bund, and in the river Hyderi against the 12th mile of Kokawari bund which was cut into and will not now be maintained below this point as decided by the Indus River Commission.

109. A retired loop behind mile 9/6 to 10/3 of the Kokawari bund was constructed in 1915-16 but before it had been possible fully to wet this new loop, erosion of the river cut the front bund on the 29th June 1916, and the sudden pressure of the river spill against the new loop caused several breaches which it was impossible to close. These breaches have all been repaired during the year under report.

110. There are six short bunds in the Nasrat Canals District, all of which had river water against them during the inundation. The bund between the Nasrat and the Naulakhi was eroded and about half a mile of it taken away, but no damage resulted as a temporary loop was constructed behind it to confine the spill water. The Tirchi bund also breached but was immediately repaired.

111. The Ren Bund in the Hyderabad Canals District stood very well during the year under report. There was water against it in almost the whole of its length, the maximum depth being 39 feet.

112. All the bunds in the Fuleli Canals District were subjected to high water levels during August when Kotri gauge reached a reading of 22 feet. This was within 1.8 feet of the maximum of 1914. Owing to the heavy rainfall, the Baran river came down in flood and the gauges along the Hajipur bund rose to within .5' of the 1914 record. There were no breaches or leaks and the chief trouble was due to wave-wash. The new bund from the Dhadko to the Mulchandwah, estimated to cost Rs. 19,801, was commenced during the year under report and a sum of Rs. 4,204 was spent on it upto March 1917. A new sluice at mile 14 of the Hajipur bund is also under construction. With the completion of this bund and sluice, the whole embankment system of this district should be thoroughly efficient as owing to the high river level of the past few years the existing bunds have been severely tested and found to be staunch.

5—INDUS RIVER COMMISSION.

113. The expenditure on works and surveys was charged to "43—Irrigation Minor Works and Navigation—Agricultural Works—Works for which neither Capital nor Revenue Accounts are kept." Indus River Commission Works and their classification.

114. The usual topographical surveys, aggregating 2,337 miles in length, of the Indus, dhands and bunds, etc., were made. Survey of the Indus.

115. The Indus from Rojhan in the Punjab down to the bifurcation, 526 miles, the Haideri 37 miles, and the Ochito 63 miles were surveyed and plotted.

116. The usual surveys for the "Central passage of the Indus" were carried out. As, however, no useful results are obtained from these particular surveys, Government have now ordered that they should be discontinued in future.

117. The Khairpur Boundary rails, 82 in number, were inspected. Rail No. 24 on the right bank and its pointer were shifted to Phulu bund and the altered distance from this rail to midstream fixing and the consequent change in the total distance of the whole range line were reported to the officers concerned. Khairpur Boundary Rails.

118. Gauge readings of the river were taken daily at 11 stations, twice a week at 4 stations and weekly at 9 stations. River Gauges.

119. Discharge observations were continued at Sukkur and Kotri, and observations were made for the velocity at various depths, on the silt in suspension and sand waves or the movements of the bed of the river. The results will be published in the Indus River Records. The discharge at Sukkur during the inundation and the minimum discharge of the year, compared with the results of previous years, are as follows:— Scientific Work and discharges of the Indus.

Month.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
June	8,138,000	8,432,000	7,401,000	8,925,000	8,038,000
July	16,227,000	10,586,000	21,453,000	10,756,000	13,044,000
August	17,275,000	13,377,000	18,359,000	11,834,000	18,227,000
September	7,034,000	7,670,000	13,863,000	7,083,000	7,972,000
Total*	48,674,000	40,065,000	61,076,000	38,593,000	47,281,000
Average discharge	398,967	328,402	500,623	316,377	387,549
Maximum discharge	721,256	621,156	948,728	430,445	735,348
Minimum discharge June to September	105,230	108,513	176,894	134,888	73,287
Minimum discharge observed throughout the year	23,730	23,719	40,664	25,546	17,568

NOTE.—These totals and their constituent figures are the sums of the daily observations of the Indus in cusecs. To arrive at its total discharge during the period concerned, the figures given in the table must be multiplied by 86,400 (the number of seconds in a day).

120. The discharge observations of the Indus at Mithankot above and below its junction with the Chenab were continued this year. The minimum discharge was 16,449 (actual) and 20,000 (calculated) cusecs respectively at the two sites.

121. Silt observations were taken above Bukkur gorge for comparison with those below the gorge.

Extensions and Improvements and Special Repairs.

122. The estimated cost of the works under these heads sanctioned during 1916-17 by the Indus River Commission for execution by Executive Engineers and by the Commission is given below:—

District.	Extensions and Improvements.	Special Repairs.	Total.
	Rs.	Rs.	Rs.
<i>A.—Indus Right Bank Division.</i>			
Shikarpur Canals ... ..	.....	1,88,515	1,88,515
Western Nara	983	.....	983
Karachi Canals	15,830	688	16,518
Total ...	16,813	1,89,203	2,06,016
<i>B.—Indus Left Bank Division.</i>			
Fuleli Canals	24,899	960	25,859
<i>C.—Indus River Commission.</i>			
Works under the direct control of the Indus River Commission	49,863	.....	49,863
Grand Total ...	91,575	1,90,163	2,81,738

Maintenance and Repairs.

123. The total expenditure under this head on the several works under the direct control of the Indus River Commission was Rs. 11,853 of which Rs. 2,382 were spent on the River Gauge establishment at Sukkur, Kotri, Jherruck, Khairabad (Punjab) and the Indus Delta.

Total expenditure.

124. The total expenditure accounted for by the Indus River Commission was:—

	Rs.
Works	14,446
Repairs	11,853
Establishment	91,941
Tools and Plant	11,645
Total	1,29,885

Snagging operations.

125. The snagging of the Indus and the Eastern Nara was not carried out this year, owing to the S. S. "Fateh Mubarak," which is used for this purpose, being out of repair during the season.

Erosion.

126. Heavy erosion occurred at mile 3/6 of the Kashmor bund and at miles 11/0, 29/0 and 30/4 of the Sukkur Begari bund, the maximum rate of the erosion being 392 feet, 530 feet, 400 feet and 320 feet per week respectively.

Dredger "Mudlark."

127. No clearance work was done this year as the dredger "Mudlark" was transferred to the Military Authorities for use in Mesopotamia.

Sukkur Barrage.

128. The new district (called the Sukkur Barrage Project District) which was sanctioned last year was created and placed in charge of an Executive Engineer for the preparation of revised plans and estimates for the barrage and the two large canals in connection with it, and the conduct of necessary outdoor work.

6.—MISCELLANEOUS.

Plantation.

129. In all the districts in the Right Bank Division, nurseries and gardens were kept in good order and endeavour is being made by Executive Engineers to extend the plantation of trees along canals and bunds.

130. The existing plantations in the Left Bank Division on canals and bunds were well cared for. New trees were planted in all the districts on various canals and bunds and they are all thriving.

Irrigation of cotton crops.

131. No Egyptian cotton was grown in this Division during the year.

132. The following table shows certain details regarding the watering of indigenous cotton crops :—

District.	Lift lands.		Flow lands.		Date of last watering varied from to
	Number of waterings.	Intervals between	Number of waterings.	Intervals between	
Nasrat Canals ...	.....	.....	5 to 8	15 to 20 days	5th to 13th September.
Hyderabad Canals ...	5 to 6	.....	.....	.....	20th to 30th September.
Fuleli Canals ...	5 to 8	10 to 25 days	.....	.....	8th to 20th September.
Eastern Nara ...	.....	.....	2 to 3	.....	3rd August to 10th October.
Jamrao Canal ...	4 to 10	.....	3 to 10	.....	14th October 1916 to 17th February 1917.

III.—DECCAN AND GUJARAT.

1.—NORTHERN DIVISION.

133. No relief was required anywhere.

General remark.

(i) FIRST CLASS IRRIGATION WORKS.

134. The rainfall gauged at Ahmedabad and Prantij during 1916-17 was 26.64 and 21.20 inches against an average of 28.77 and 29.93 inches respectively for the last 30 years including the year under report. The rainfall, though not much below normal, was not satisfactory, being local and scattered. The Khari catchment did not get the benefit of much of this. The Hathmati canal and the Khari system.

135. The monsoon broke as usual in the middle of June and more than an inch fell on the 16th and 17th idem. Heavy rain fell on the 23rd July at Ahmedabad which measured 3.21 inches. There were falls of more than an inch twice in August and once in September. Throughout August there was drizzling rain and in September there were drizzles at intervals of a few days measuring a few cents. On the 22nd October there was a little rain which did some good to the standing crops.

136. There were floods in the Hathmati river on the 17th June and 22nd August 1916, when the water rose 1.00 foot and 8.80 feet respectively above the crest of the weir. The Hathmati canal was opened on 17th June and flowed till 13th December 1916 with an interruption of 6 days. It was closed once on the 22nd August to avert damage to the canal gates by floating trees which came down with the heavy flood. Some damage was, however, caused to the concrete bar over the top of the weir and one of the piers of the waste weir, which was promptly repaired. The maximum discharge was 322 cusecs on the 23rd August and the minimum 21 cusecs on the 13th December. The supply available was utilized for irrigating the lands on the canal itself, the surplus water being allowed to run into the Khari river through the Bokh Reservoir (in which it was collected when not required) and the Bhujwa channel, to the extent of 530 and 367 million cubic feet respectively.

137. The Chandola Tank, mainly fed through the Khari Cut Canal, was half filled twice upto R. L. 136.60, storing about 80 million cubic feet which saved the rice crop of 800 to 1,000 acres in the surrounding villages.

138. In order to use the supply available to the best advantage, canal water was issued to the fields nearest to the canal and its branches, and only two waterings were given to save the early transplanted crops, it being almost impossible to save the late transplanted crops since they required not less than three heavy waterings which could not be given. Thus the object of saving the crops over as large an area as possible by economical distribution of water was achieved.

139. The area irrigated and the gross assessed revenue as compared with the average for the triennium ending 1915-16, are as under :—

	1916-17.		Average of the previous three years.	
	Area irrigated.	Gross assessed revenue.	Area irrigated.	Gross assessed revenue.
	Acres.	Rs.	Acres.	Rs.
Hathmati Canal ...	785	3,540	4,217	11,402
Khari Cut Canal ...	5,559	35,850	9,562	63,866

Tanks in Kaira.

140. The area irrigated and the gross assessment on the Wangroli, Tranza-Nagrama, Savli and Saiat Tanks as compared with the average for the triennium ending 1915-16, are shown below :—

Name of Tank.	1916-17.		Average of the previous three years.	
	Area irrigated.	Gross assessed revenue.	Area irrigated.	Gross assessed revenue.
	Acres.	Rs.	Acres.	Rs.
Wangroli	859	3,133 1,000*	585	2,486
Tranza-Nagrama	Nil	488	58	514
Savli	970	3,675	642	2,432
Saiat	Nil	723	328	1,614

* Proceeds of the sale of water given to the Gomati Tank at Dakor, taluka Thasra.

141. There was no replenishment received in the Tranza-Nagrama and Saiat Tanks. The Wangroli and Savli Tanks only partially filled. The whole supply in the latter tank was utilized in irrigating kharif crops, while surplus water from the former after supplying the requirements of kharif and rabi crops, was run into the Shedi river for filling, by lift, the sacred Gomati Tank at Dakor, in Thasra Taluka, in which there was little or no water for the pilgrims. The construction of the Balada high level canal from the Wangroli Tank which was commenced in 1915-1916 was in progress.

Futelao Tank.

142. The Futelao Tank filled partially and the supply was utilized in irrigating 89 acres of rabi as against 39 acres last year. Irrigation under the tank may be expected to expand as the advantages thereof become known. A portion of the bed was also given out for cultivation.

(ii) SECOND CLASS IRRIGATION WORKS AND AGRICULTURAL WORKS.

Khari Sluices.

143. The rainfall during the year, being local, badly distributed and not sufficiently intense, the Khari flow did not reach Pinglaj and it was necessary to utilize the channels from the Khari Cut Canals to save the rice crop on the Khari Sluices. Though due to the scanty rainfall and absorption on the way, not more than 1/4th of the volume let down at the head reached the Khari at Bidaj, Navagam—the most important village—was enabled to transplant about 200 acres and Pinglaj about 100 acres and an area of 1,200 to 1,500 acres of rice was saved by the canal water, mainly from the Hathmati river, the Khari being almost dry. This was possible as connecting channels had lately been constructed. The small tanks did not fill at all during the year, as owing to the light rainfall there was little or no flow off the ground, what little water fell being held up in the fields.

144. The special feature of the year was the heavy flooding of the Sabarmati river which twice overflowed some of the Khari Sluice area and enabled rice to be transplanted in the villages of Naika, Chanindra and Lower Navagam. The Mahijda regulator constructed last year was also used to store the overflow which helped subsequently to save 300 acres of rice in the villages of Mahijda and Wasai.

Muvalia Tank.

145. The Muvalia tank overflowed thrice, once each in August, September and October. On account of the seasonable and well distributed rainfall at Dohad, however, the demand for water for irrigation was limited and 677 acres only were irrigated as against 743 acres cultivated last year.

Old Tanks.

146. Improvements to 98 and repairs to 61 small irrigation tanks in the Gujarat Irrigation District and repairs to 19 such tanks in the Surat and Broach District, were executed at a total cost of Rs. 82,776 and Rs. 42,264 respectively. In the Gujarat Irrigation District, repairs to 6 Talukdari tanks were in progress, the Government share of the expenditure being Rs. 879.

Drainage channels.

147. The drainage channels in the Surat and Broach and Gujarat Irrigation Districts were maintained and the reclamation works in the former repaired.

2.—CENTRAL DIVISION.

148. In the Central Division there are a few irrigation works of importance. The area irrigated on First Class Irrigation Works was 10,138 acres and the gross assessed revenue was Rs. 1,43,918.

149. The rainfall during the year 1916 being seasonable in the irrigated areas in the Central Division, there was less demand for canal water as compared with the average for the past three years.

(i) FIRST CLASS IRRIGATION WORKS.

150. *Ekrak Tank*.—The work of improving the water supply of the town of Sholapur, which is in progress, will, when completed, give a wholesome supply of water to the Sholapur

Municipality direct through the newly laid gravitation mains from the Ekruk Tank instead of, as heretofore, from the canal, in which the supply is liable to contamination.

151. *The Jamda Canals* in the East Khandesh District form an important irrigation system, the supply in which is not, however, assured for want of a storage tank. Though at present the river discharge is supplemented by a supply from the Chankapur tank, yet this source of supply cannot always be depended on as the tank has to provide water for a large area directly dependent on it. An important work carried out in connection with these canals was the raising the weir, the Jamda bandhara, by a foot, to R. L. 106.50, and making its crest perfectly level, which was not the case formerly. This work has been done in order to increase the discharge, and the velocity in the canals and lessen the deposit of silt.

152. A system of 8 months' Rabi Blocks was introduced on these canals from 15th October 1916 and water applications for an area of 68 acres and 26 gunthas were received. The Kharif and Rabi seasons being, however, very favourable, the irrigators could not appreciate and did not take full advantage of the system, which was explained to them by the local Revenue Officers.

(ii) SECOND CLASS IRRIGATION WORKS.

153. The total expenditure on Extensions and Improvements and Maintenance and Repairs to the bandharas situated in the East Khandesh and West Khandesh Districts was Rs. 5,451. The area irrigated and the gross revenue assessed were 9,485 acres and 77,380 rupees respectively.

3.—DECCAN IRRIGATION DIVISION.

(i) FIRST CLASS IRRIGATION WORKS.

(a) Works in existence.

Protective Works.

154. The Nira Left bank canal situated in the Poona District is the largest irrigation work in operation in the Deccan. Nira Left bank canal and Shephal Tank.

155. The canal irrigated a total area of 34,228 acres. This is much below the average figure, the fall being due to seasonable rainfall and consequent low demand for canal water for Monsoon and Rabi crops. The gross revenue from all sources was Rs. 4,46,159.

156. The total area irrigated under the Mhaswad Tank was 4,846 acres and the gross revenue from all sources was Rs. 33,685. These are lower than the average figures, the fall being due to seasonable rainfall. Mhaswad Tank.

Productive Works.

157. The Mutha Canals system irrigated a total area of 10,402 acres, the gross revenue from all sources was Rs. 4,31,946 which includes Rs. 1,69,703 realized from the Poona Water Supply. There was a small decrease in the irrigated area due to seasonable rainfall, but the gross revenue was higher chiefly owing to an increase in the area of sugarcane. Mutha Canals and Matoba Tank.

158. The installation of the Paterson filter plant at the Poona Cantonment Water Works was practically completed. The plant was brought into operation in July 1916 and is working very well. The expenditure incurred on this work during the year under report amounted to Rs. 38,908, bringing the total expenditure to Rs. 1,72,723.

(b) Works under construction.

159. The Godavari Canals Project comprises the following works :—

Godavari Canals.

- (1) Lake Beale Storage.
- (2) Pick-up-weir at Nandur Madhmeshwar.
- (3) The Godavari Right and Left Bank Canals.

This is the first of the new large protective irrigation schemes in the Deccan and has now been practically completed.

160. *Godavari Right Bank Canal*:—The whole length of 70½ miles of this canal and all its distributaries have been completed. The last 8½ miles have been tested and are now ready for irrigation purposes. During the year this canal irrigated a total area of 15,453 acres and the gross revenue from all sources was Rs. 1,50,117.

161. Every effort is being made to make irrigation popular by acquainting the cultivators with the canal rules and the proper system of careful cultivation. The local Godavari Canals Irrigators' Association, mentioned in the last report, held during the year several meetings which were well attended.

162. The progress of sugarcane cultivation was more rapid than anticipated, and is due to the impetus given to the sugarcane industry by experienced Saswad malis from the Poona District.

163. *Godavari Left Bank Canal*.—The construction of the whole length of this canal and its distributaries has been completed. This canal irrigated during the year 3,549 acres and the gross revenue from all sources was Rs. 40,792.

164. The total expenditure incurred on this project during the year was Rs. 1,30,093 as under:—

	Rs.
Lake Beale Storage	7,544
Godavari Right Bank Canal	1,16,860
Godavari Left Bank Canal	5,689
Total ..	1,30,093

Pravara Canals.

165. The Pravara Canals system comprises:—

- (1) Lake Arthur Hill Storage.
- (2) Pick-up-weir at Ojhar.
- (3) The Right and Left Bank Pravara Canals.

During the year the dam was raised throughout to one level, *vis.*, R. L. 2289.

166. The caging work for the lowest sluice at R. L. 2227.63 was completed and the laying of the pair of pipes for the second sluice at R. L. 2277.63 was commenced during the year. The raising of the weir at Ojhar and the construction of the head regulator with the scouring sluices for the Pravara Left Bank Canal were completed during the year.

167. *Pravara Left Bank Canal.*—The work of widening and extending the old canal, started in 1910, was practically completed with the exception of a few masonry works. The construction of distributaries was in progress. The canal was closed during the year.

168. *Pravara Right Bank Canal.*—All the works on this canal, including distributaries, were practically completed. The progress on the construction of the tail branch and Rahuri distributary was rather slow owing to scarcity of labour.

169. Water is at present given for perennial irrigation in fields having wells and the total area irrigated under the canal during the year was 2,278 acres. The gross revenue from all sources was Rs. 10,914. These figures are lower than the average owing to seasonable rainfall.

170. The total expenditure incurred during the year on this scheme was Rs. 8,18,563 as detailed below:—

	Rs.
Lake Arthur Hill Storage	5,13,347
Pravara Right Bank Canal	40,707
Pravara Left Bank Canal	2,64,509
Total ..	8,18,563

Nira Right bank canal.

171. This project comprises the following works:—

- (1) Building a new dam at Bhatghar.
- (2) Increasing the capacity of the existing Nira Left Bank Canal.
- (3) Constructing a canal on the right bank from Vir up to Piliv for a length of about 88 miles.

172. *Bhatghar Dam.*—The excavation for foundation of the new dam was completed with the exception of a short length of 400 feet. The total excavation done during the year was 1.76 million cubic feet. The foundation has been practically covered throughout and masonry raised several feet. The total quantity of masonry laid during the year was 1.27 million cubic feet.

173. The progress during the year was not satisfactory owing to (a) labour difficulties caused by a good agricultural season, (b) the outbreak of plague in the neighbourhood of Bhatghar and at the Lime Depôts at various places, and (c) the excessive amount of water met with in the foundations owing to heavy percolation from the upstream side of the cutting and the late rains, which continued till the end of November.

174. The erection of the turbine pipe and of the Power House Machinery was completed and the Electric plant worked very satisfactorily.

175. *Right Bank Canal.*—The canal was originally designed to discharge 1,500 cusecs with 8 feet of water at its head and to be 109 miles in length. But in the revised project the portion below mile 88 has been omitted, as the supply after the construction of the new Bhatghar dam is likely to be fully utilized above that point.

176. Considering the labour difficulties due to a severe plague epidemic, the progress on earthwork and masonry works was fairly steady and good.

177. A detailed contour survey of the area under command of the canal for distributaries was in progress.

178. The total outlay during the year under report was Rs. 14,04,705 as detailed below :—

	Rs.
Lake Whiting District	6,90,033
Lonand District	3,68,532
Malsiras District	3,46,140
Total	14,04,705

179. The river supply was sufficient for the requirements of the Girna Canal upto 18th January 1917, after which water was let out of the Chankapur tank. The tank water not required for the canal was let down to supplement the supply to the Jamda Canals in the East Khandesh District. Girna River Works.

180. *Girna Left Bank Canal.*—This canal irrigated during the year a total area of 1,837 acres and the gross revenue from all sources was Rs. 8,393. The cultivators under this canal have begun to realise the advantages of sugarcane cultivation and it is expected that the area of sugarcane will go up quickly. The extension of the canal was in progress, the expenditure incurred on it during the year being Rs. 13,874.

181. Under the orders of the Government of India water was supplied to the wheat crop, free of charge, during the rabi season of 1916-17 in the Deccan Irrigation Division. The area of wheat actually cultivated and the consequent loss of revenue due to Government amounted respectively to 11,052 acres and Rs. 53,346 as detailed below :—

Name of work.	Area of wheat actually cultivated.	Loss of Revenue.
	Acres.	Rs.
Nira Canal and Shetphal Tank	1,431	7,305
Godavari Right and Left Bank Canals	6,352	31,760
Pravara Right Bank Canal:	244	732
Girna Left Bank Canal	880	4,385
Mhaswad Tank	624	2,494
Mutha Canals and Matoba Tank	540	2,665
Kadwa River Works	562	2,460
Lakh Canal	125	250
Paraul Tank	127	637
Kasurdi Tank	23	100
Shirsuphal Tank	100	334
Bhadalwadi Tank	44	224
Total	11,052	53,346

(ii) SECOND CLASS IRRIGATION WORKS.

182. The outlay on repairs, extensions and improvements to the bandharas and small village channels during the year was Rs. 28,328 as against Rs. 13,935 for the previous year.

4.—SOUTHERN DIVISION.

183. This year there was a decrease in the area of irrigation in the Southern Division owing to timely and sufficient rainfall. The total area irrigated and the assessed revenue showed a decrease of 23 per cent. and 6 per cent. respectively when compared with the average of the previous three years.

The Major and Minor Works of the first class irrigated about 24,000 acres of land while the numerous second class works in this division irrigated over 80,000 acres.

(i) FIRST CLASS IRRIGATION WORKS.

184. The only Major Irrigation work in this Division is a small weir and canal system on the Krishna river near Karad, south of Sátara. Certain improvements to the weir, undertaken with a view to enable an extra 4 feet depth of water to be stored, were in progress. The total expenditure on these improvements to end of the year under report was Rs. 59,086 against the estimated cost of Rs. 85,226. Krishna Canal.

185. The most important of the First Class Minor Works in the Division is the Gokak Canal. This irrigation system consists of a masonry weir across the Ghataprabha river in the Belgaum District and a short length of canal taking off from the reservoir formed by the weir. Gokak Canal.

186. With a view to increase the water stored by the weir, its crest (2,985 feet in length) was raised by constructing a temporary wall 2 feet high, as usual, at a cost of Rs. 1,546. The additional storage thus obtained proved very useful.

187. At the request of the Manager of the Spinning Mills at Gokak, the daily supply of water was reduced to 130 cusecs instead of the usual 146 cusecs, during the 4½ months period ending 24th May 1916.

188. On the evening of the 13th May 1916, the water in the reservoir reached its lowest level standing at 17 feet above the sill of the sluices. Thereafter the reservoir

filled till it overflowed on the 28th May 1916 and reached a maximum flood height on the 4th August 1916, when the water reached a level of 3.34 feet above the crest of the weir.

189. During the year under report, Rs. 31 only were paid on account of compensation for the lands taken up in 1906 for the Gokak Canal extension.

- Revari and Chikhli Canals. 190. The only other two works taking off direct from rivers without storage are both in the Sâtára District, the Revari and Chikhli canals, irrigating about 900 and 200 acres, respectively. The former yielded, in the year under report, a gross revenue of Rs. 5,600 and the latter Rs. 2,100.
- Dharma Canal. 191. Certain improvements to the Dharma Canal which were commenced in 1910, were in progress during the year. This consisted mainly of (1) providing a new Head Regulator to admit sufficient supply to the canal and to control floods, (2) providing escapes and aqueducts at certain places in the first 10 miles of the canal, (3) putting the tail portion of the canal into good order, and (4) constructing suitable cross drainage works. The total expenditure on these improvements to the end of the year under report was Rs. 85,537 against the estimated cost of Rs. 95,582 (direct charges).
- Yerla River Irrigation Works. 192. Of canals furnished with storage works, the three most important are in the Sâtára District. The Yerla river irrigation works irrigated over 2,400 acres of land yielding a gross revenue of over Rs. 12,500.
- Maini tank. 193. The Maini tank is the second system. It irrigated 1,500 acres with a gross revenue of over Rs. 6,400.
- Upper Mán River Works. 194. The third system referred to is the Upper Mán river works with the Pingli tank as storage. This irrigated about 700 acres yielding a gross revenue of Rs. 3,300.
- Other Works. 195. The remaining works are all small tanks mostly in the Dhárwár Irrigation District. They irrigated from 50 to 600 acres each.

(ii) SECOND CLASS IRRIGATION WORKS.

196. Most of the Second Class Irrigation Works are in the Dhárwár District and on them depends the success of the important rice cultivation in the hills. During the year, repairs to 71 tanks were carried out and the expenditure on them amounted to Rs. 32,000, the average of the previous three years being Rs. 54,200.

5.—SCIENTIFIC WORKS.

ENGINEERING QUESTIONS THAT HAVE ARISEN.

197. Experimental iron boxes to ascertain the loss by evaporation of water in tanks have been installed in the Ekrak, Ashti and Pathri Tanks in the Sholápur District, the Mhaswa and Hartala in the East Khandesh and the Bhatodi Tank in the Ahmednagar District. The results of observations are being recorded; these will furnish useful data in the preparation of projects for tanks to be constructed under similar conditions.

198. The raising of the crest to one uniform level of the weir at Jamda and the institution of a new river gauge at Raipur 2 miles below it will enable some interesting comparisons to be made between the river discharges as gauged at the two places.

199. An experimental device for locking pipe outlets is under trial on the Bhatodi Tank in the Ahmednagar District, the use of which could, if found satisfactory, be extended.

200. During the year under review the formation of a special Irrigation District was sanctioned by the Government of India for carrying out certain investigations and surveys, etc., as detailed below, in connection with the areas under command of the important Irrigation systems in the Deccan, viz., the Nira Canals, the Pravara Canals, the Godavari Canals and the Mutha Canals :—

- (a) Contouring the commanded area.
- (b) Making a careful survey and classification of the surface soil and subsoil.
- (c) Selecting and marking out definite areas suitable for 'blocks' for perennial and other crops.
- (d) Designing the drainage required.
- (e) Indicating suitable lines of communication and centres for the establishment of grinding, crushing, refining and other machinery for trade purposes.
- (f) Making a special study of the reclamation of waste lands and areas damaged by water logging and salt efflorescence and of the problem of the growth of useful timber in such tracts and along the main canals.

The work done during the year by the Special Engineer appointed for the purpose was only preliminary and experimental.

(a) RIVER GAUGING.

201. The gauging of 36 rivers in the Deccan and Gujarát was continued during the year under report directly under the control of the Deccan Irrigation Division.

202. A training class was opened in Poona where practical instructions were given to the old as well as the new gauge karkuns before they commenced the annual gauging operations. This, combined with the frequent surprise visits paid to them, the timely

inspection of and repairs to the gauges, etc., helped to make the results more reliable. These figures are published in an annual report.

203. The several rain gauges in the Belgaum and Sâtara Districts were maintained during the year by the respective Executive Engineers.

(b) EXPERIMENTS ON THE EFFICIENCY OF CANALS.

204. Another annual publication gives a record of observations for the flow and losses in canal, the quantity of water used for irrigation and the loss from tanks.

205. Occasional notes are written upon the saturation of earthen dams and the rate of deposit of silt in tank basins for which observations are being made continuously.

ADMINISTRATIVE ACCOUNTS
PUBLIC WORKS DEPARTMENT
(IRRIGATION)
BOMBAY PRESIDENCY
FOR THE YEAR
1916-17

TABLE OF CONTENTS.

	Name of Work.	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
		General Abstract of Financial Results.	Capital Account.	Revenue Account.	Interest Account.	Account of Indirect Charges.	Statement comparing Charges to date with sanctioned estimate.
		Pages.	Pages.	Pages.	Pages.	Pages.	Pages.
35.—Protective Irrigation Works.							
1	Pravara River Canals ...	4 & 5	8 & 9	10	11	11	12
2	Chankápur Tank ...	4 & 5	13 & 14	15	16	16	16
3	Godáveri Canal ...	4 & 5	17	18	19	19	19
4	Nira Canal, including Shetphal Tank	4 & 5	...	20 & 21	21	21	...
5	Mhasvad Tank ...	4 & 5	...	22 & 23	23	23	...
6	Gokák Canal—First Section ...	4 & 5	...	...	...	...	...
7	Máládevi Tank ...	4 & 5	24	...	25	25	25
8	Budbihal Tank ...	4 & 5	26	...	27	27	27
9	Nira Right Bank Canal ...	4 & 5	28	...	29	29	29
42.—Irrigation Works.							
10	Desert Canal ...	4 & 5	...	80	31	31	...
11	Unharwah ...	4 & 5	...	32	33	33	...
12	Begári Canal ...	4 & 5	34	35	36	36	36
13	Mahiwah do. ...	4 & 5	37	38	39	39	39
14	Eastern Nára Works ...	4 & 5	40	41	42	42	42
15	Jámrao Canal ...	4 & 5	43 & 44	45	46	46	46
16	Dád do. ...	4 & 5	47	48	49	49	49
17	Nasrat do. ...	4 & 5	50	51	52	52	52
18	Navláki do. ...	4 & 5	...	...	53	...	53
19	Háthmati and Khári Cut Canals...	4 & 5	...	54	55	55	...
20	Lower Pánjhra River Works ...	4 & 5	...	56	57	57	...
21	Kádva River Works ...	4 & 5	...	58 & 59	59	59	...
22	Pravara River Works—Lákh Canal	4 & 5	...	60 & 61	61	61	...
23	Mutha Canals, including Mátoba Tank	4 & 5	62 & 63	64 & 65	65	66	66
24	Ekrúk Tank ...	4 & 5	...	67 & 68	68	68	...
25	Krishna Canal ...	4 & 5	69	70 & 71	71	71 & 72	72
43.—Minor Works and Navigation.							
26	Sukkur Canal ...	6 & 7	...	73 & 74	...	74	...
27	Ghár do. ...	6 & 7	...	75 & 76	...	76	...
28	Suttah do. ...	6 & 7	...	77	...	77	...
29	Alibhar Kacheri Canal ...	6 & 7	...	78	...	78	...
30	Márak Great do. ...	6 & 7	...	79	...	79	...
31	Sarfrázwah ...	6 & 7	...	80	...	80	...
32	Fuleli Canal ...	6 & 7	81	82 & 83	...	83	84
33	Hasanaliwah ...	6 & 7	...	85	...	85	...
34	Wangroli Tank ...	6 & 7	86	87	...	88	88
35	Tránza—Nagrama Tank ...	6 & 7	...	89	...	89	...
36	Sávli Tank ...	6 & 7	...	90	...	90	...
37	Sahiat do. ...	6 & 7	...	91	...	91	...
38	Suki River do. ...	6 & 7	...	...	...	92	92
39	Futelao do. ...	6 & 7	93	94	...	95	95
40	Hartála do. ...	6 & 7	...	96 & 97	...	97	...
41	Mhasva do. ...	6 & 7	...	98	...	98	...
42	Jámda Canals ...	6 & 7	...	99	...	99	...
43	Parsul Tank ...	6 & 7	...	100	...	100	...
44	Pravara Left Bank Canal ...	6 & 7	...	101	...	101	...
45	Bhátodi Tank ...	6 & 7	...	102	...	102	...
46	Kásurdi do. ...	6 & 7	...	103	...	103	...
47	Shirsuphal do. ...	6 & 7	...	104	...	104	...
48	Bhádálvádi do. ...	6 & 7	...	105	...	105	...
49	Victoria do. ...	6 & 7	106	...	...	107	107
50	Koregaon do. ...	6 & 7	...	108	...	108	...
51	Ashti do. ...	6 & 7	...	109	...	109	...
52	Páthri do. ...	6 & 7	...	110	...	110	...
53	Revári Canal ...	6 & 7	...	111	...	111	...
54	Upper Mán River Works ...	6 & 7	...	112	...	112	...
55	Yerla River Irrigation Works ...	6 & 7	...	113	...	113	...
56	Chikhli Canal ...	6 & 7	...	114	...	114	...
57	Maini Tank ...	6 & 7	...	115	...	115	...
58	Muchkundi do. ...	6 & 7	...	116	...	116	...
59	Gadikeri do. ...	6 & 7	...	117 & 118	...	118	...
60	Gokák Canal—First Section, and Storage Works	6 & 7	...	119	120	120	...
61	Dámhal Tank ...	6 & 7	...	121	...	121	...
62	Medleri do. ...	6 & 7	...	122	...	122	...
63	Madag do. ...	6 & 7	...	123	...	123	...
64	Asundi do. ...	6 & 7	...	124	...	124	...
65	Dharma Canal ...	6 & 7	125	126	...	127	127
66	Mávinkop Tank ...	6 & 7	...	128	...	128	...
67	Gokák Canal—Second Section ...	6 & 7	...	...	...	...	...
68	Works for which only Revenue Accounts are kept—Sind ...	6 & 7	...	129	...	...	...

IRRIGATION BRANCH

PUBLIC WORKS
ADMINISTRATIVE ACCOUNTS

No. I.—General Abstract of Financial Results showing the estimated Cost of Construction of Major and the Simple Interest on the MAJOR

Name of Work.	ESTIMATED COST OF CONSTRUCTION.			CAPITAL OUTLAY.						RECEIPTS Water-rates, &c.
	Direct Charges.	Indirect Charges.	Total.	During 1916-1917.			To end of 1916-1917.			
				Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	
1	2	3	4	5	6	7	8	9	10	11
35.—PROTECTIVE IRRIGATION WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
DECCAN AND GUJARAT.										
<i>Works in Operation.</i>										
Pravara River Canal	71,54,934	4,55,822	76,10,826	8,08,545	26,422	8,34,967	65,43,857	2,10,801	67,54,458	15,827
Chankapur Tank	18,88,840	64,282	19,53,072	16,974	405	17,379	18,41,032	61,127	19,02,189	12,627
Godsveri Canal	98,55,562	4,80,689	98,36,251	1,65,480	7,166	1,72,646	95,21,042	4,87,855	1,00,08,897	2,17,795
Nira Canal and Shetphal Tank	60,96,736	8,64,335	64,61,071	...	...	...	60,96,736	3,64,335	64,61,071	4,95,014
Mhasvad Tank	20,05,552	90,468	20,96,016	...	...	...	20,05,553	90,468	20,96,016	42,577
Gokak Canal, First Section	4,00,939	11,727	4,12,666	...	...	...	4,00,939	11,727	4,12,666	...
Total, Works in Operation...	2,69,02,564	14,67,338	2,83,69,902	9,90,999	33,993	10,24,992	2,64,08,989	12,26,308	2,76,35,297	7,84,140
<i>Works under Construction.</i>										
Maldodevi Tank	3,04,671	9,908	3,14,574	...	...	...	3,02,040	9,888	3,11,928	...
Badhinal do.	13,98,529	56,032	14,54,611	138	9	147	4,91,039	18,277	5,09,319	...
Nira Right Bank Canal	2,49,71,868	8,00,631	2,57,72,499	14,54,605	30,765	14,85,390	1,07,39,412	2,36,833	1,09,76,045	...
Total	2,66,75,068	8,66,616	2,75,41,684	14,54,743	30,794	14,85,537	1,15,32,482	2,64,798	1,17,97,288	...
Total, Protective Irrigation Works	5,35,77,632	23,33,954	5,59,11,586	24,45,742	64,787	25,10,529	3,79,41,477	14,91,106	3,94,32,583	7,84,140
49.—IRRIGATION WORKS.										
SIND.										
<i>Works in Operation.</i>										
Desert Canal	26,40,891	79,665	27,20,556	...	...	...	26,40,891	79,665	27,20,556	1,13,838
Unharwah	7,68,050	20,780	7,88,830	...	...	...	7,68,050	20,780	7,88,830	1,428
Deqari Canal	24,99,991	64,006	25,34,597	241	13	254	23,72,384	78,557	24,50,941	42,825
Mahitwah	14,45,248	72,138	15,17,386	2,685	16	2,701	13,81,060	59,808	14,39,868	3,114
Eastern Nara Works	67,75,168	2,35,344	70,10,412	15,551	894	14,335	67,79,815	2,35,135	70,14,920	18,325
Jamrao Canal	86,82,761	2,73,769	89,56,530	2,14,233	5,487	2,19,720	85,84,355	2,56,720	88,41,075	45,095
Dad do.	25,68,999	98,077	26,67,076	15,441	607	16,048	25,76,626	93,769	26,70,395	1,130
Nasrat do.	18,11,482	58,226	18,69,708	—8,662	591	—8,071	18,11,482	58,226	18,69,708	2,328
Total, Works in Operation...	2,71,62,580	9,02,476	2,80,65,055	2,37,489	7,548	2,45,037	2,69,14,663	8,81,630	2,77,96,298	2,28,078
<i>Works under Construction.</i>										
Naulakhi Canal	12,17,935	44,619	12,62,554	...	...	...	5,112	33	5,145	...
Sukkur Barrage Works	...	...	...	...	...	...	—284	...	—284	...
Total, Sind	2,83,80,515	9,47,094	2,93,27,609	2,37,489	7,548	2,45,037	2,69,19,491	8,81,663	2,78,01,154	2,28,078
DECCAN AND GUJARAT.										
<i>Works in Operation.</i>										
Hathmati Canal and Khari Cut Canal	12,40,983	74,990	13,15,973	...	...	...	12,40,983	74,990	13,15,973	34,539
Lower Panjhra River Works	4,45,382	23,239	4,68,621	...	...	...	4,45,382	23,239	4,68,621	14,702
Kadva River Works	9,71,741	62,450	10,34,191	...	...	...	9,71,741	62,450	10,34,191	30,924
Pravara River Works	3,52,446	19,445	3,71,891	...	...	...	3,52,446	19,445	3,71,891	1,683
Lakh Canal	...	...	...	...	...	...	...	...	...	...
Mutha Canals and Mdtoba Tank	75,71,836	2,97,853	78,69,889	33,903	1,171	35,074	76,18,735	3,01,502	79,20,237	4,27,393
Ekrak Tank	12,28,117	1,12,269	13,40,386	...	...	...	12,28,117	1,12,269	13,40,386	78,580
Krishna Canal	8,95,262	51,607	9,46,769	1,919	47	1,966	8,92,960	51,482	9,44,442	89,122
Total, Deccan and Gujarat...	1,27,05,767	6,41,763	1,33,47,520	35,822	1,218	37,040	1,27,50,364	6,45,377	1,33,95,741	6,71,943
Total, 49.—Irrigation Works	4,10,86,282	15,88,847	4,26,75,129	2,73,911	8,766	2,82,077	3,96,69,855	15,27,040	4,11,96,895	9,00,021
GRAND TOTAL	9,46,63,914	39,22,801	9,85,86,715	27,19,058	78,553	27,92,606	7,76,11,332	30,18,146	8,06,29,478	16,84,161

Note.—Direct charges under Working Expenses include share of collection charges in the Civil Department calculated

Bombay, 22nd October 1917.

DEPARTMENT.

BOMBAY PRESIDENCY.

FOR THE YEAR 1916-1917.

Works, the Capital Outlay thereon, the Revenue derived therefrom, the Working Expenses, Direct Capital Outlay on those Works.

WORKS.

DURING 1916-1917.		WORKING EXPENSES DURING 1916-1917.				NET RESULT, EXCLUDING INTEREST (DIFFERENCE BETWEEN REVENUE AND WORKING EXPENSES).				NET RESULT, INCLUDING INTEREST.				
Collected with Land Revenue.	Total.	Direct Charges.	Indirect Charges.	Total.	Excess revenue (surplus).	Excess expenditure (deficit).	Rate per cent.		Simple Interest during 1916-17.	Excess revenue (surplus).	Excess expenditure (deficit).	Rate per cent.		
							Of excess revenue.	Of excess expenditure.				Of excess revenue.	Of excess expenditure.	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
...	15,827	19,081	864	19,945	...	4,118	...	0'00	2,02,370	...	2,00,497	...	3'04	
...	12,627	16,270	660	17,226	...	4,600	...	0'24	60,400	...	65,008	...	8'11	
...	2,17,795	1,24,194	5,744	1,29,938	87,857	...	0'88	...	8,11,124	...	2,29,207	...	2'83	
...	4,95,014	1,47,237	7,768	1,55,005	3,40,011	...	5'26	...	2,00,079	1,30,038	...	2'16	...	
...	42,877	16,038	1,105	17,143	25,734	...	1'23	...	90,111	...	40,377	...	1'33	
...	...	...	...	...	...	...	...	...	13,217	...	13,217	...	3'20
...	7,84,140	3,22,820	16,435	3,39,255	4,44,885	...	1'01	...	8,54,213	...	4,00,928	...	1'46	
...	...	...	...	...	...	...	...	...	0,050	...	0,050	...	3'19
...	...	...	...	...	...	...	...	...	16,184	...	16,184	...	3'18
...	...	...	...	...	...	...	...	...	3,30,000	...	3,30,000	...	3'01
...	...	...	...	...	...	...	...	...	3,66,170	...	3,66,170	...	3'02
...	7,84,140	3,22,820	16,435	3,39,255	4,44,885	...	1'13	...	12,10,302	...	7,05,607	...	1'04	
3,06,493	4,80,821	1,20,188	4,577	1,24,765	3,55,556	...	13 07	...	87,064	2,08,602	...	0'87	...	
1,86,502	1,87,930	61,162	1,887	63,049	1,24,881	...	16 83	...	25,318	99,563	...	12 02	...	
6,57,835	7,90,660	1,82,137	4,901	1,87,038	5,38,602	...	21 77	...	78,190	4,55,403	...	18 58	...	
75,407	78,611	68,637	311	68,948	9,603	...	0 07	...	45,481	...	35,818	...	2 40	
6,50,734	6,79,059	2,25,292	8,299	2,33,591	4,45,471	...	0 85	...	2,28,207	2,22,204	...	3 17	...	
7,53,003	7,96,101	3,45,445	19,188	3,64,631	4,38,473	...	4 00	...	2,70,444	1,54,029	...	1 74	...	
2,03,575	2,10,705	88,808	2,788	91,594	1,19,111	...	4 46	...	84,381	34,430	...	1 20	...	
2,15,233	2,17,558	1,29,913	4,145	1,33,758	83,798	...	4 48	...	69,866	23,942	...	1 23	...	
31,24,868	33,52,946	12,01,300	46,091	12,47,391	21,05,556	...	7 57	...	8,83,300	12,22,265	...	4 40	...	
...	...	...	...	...	...	...	...	...	1 00	...	1 00	...	3 28
...	...	...	...	...	...	...	...	...	- 0	...	- 0	...	...
31,24,868	33,52,946	12,01,300	46,091	12,47,391	21,05,556	...	7 57	...	8,83,400	12,22,095	...	4 40	...	
...	34,589	37,275	1,411	38,686	...	4,147	...	0 32	40,008	...	45,055	...	3 12	
3,245	17,947	6,918	269	7,187	10,760	...	2 30	...	14,881	...	3,021	...	0 54	
584	31,518	15,101	863	16,024	15,494	...	1 60	...	32,032	...	10,638	...	1 60	
225	1,908	2,380	180	2,510	...	602	...	0 16	11,618	...	12,220	...	3 20	
...	4,27,393	1,68,135	7,718	1,75,853	2,51,540	...	3 18	...	2,50,885	856	...	0 01	...	
...	73,580	11,879	602	12,481	61,099	...	4 65	...	40,484	20,615	...	1 54	...	
...	80,123	15,652	448	16,100	78,022	...	7 73	...	29,404	43,618	...	4 02	...	
4,004	6,76,007	2,57,400	11,441	2,68,841	4,07,168	...	3 04	...	4,19,712	...	12,546	...	0 00	
31,28,932	40,28,953	14,58,700	57,532	15,16,232	25,12,721	...	6 10	...	13,08,172	12,00,549	...	2 28	...	
31,28,932	46,18,093	17,81,520	73,967	18,55,487	29,57,806	...	8 07	...	25,13,664	4,44,032	...	0 55	...	

*Certain percentages fixed by Government, but which are not adjusted in the Finance Accounts.

W. ALDER,
Accountant General

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

No. I.—General Abstract of Financial Results showing the estimated Cost of Construction of Minor Works, and Navigation, the Capital Outlay thereon, the Revenue derived therefrom, and the Working Expenses on those Works.

Name of Project.	ESTIMATED COST OF CONSTRUCTION.			CAPITAL OUTLAY.						RECEIPTS DURING 1916-1917.			WORKING EXPENSES.			NET RESULT, INCLUDING INTEREST (DIFFERENCE BETWEEN REVENUE AND WORKING EXPENSES).			
	Direct Charges.	Indirect Charges.	Total.	During 1916-1917.			To end of 1916-1917.			Water-rates, &c.	Collected with Land Revenue.	Total.	Direct Charges.	Indirect Charges.	Total.	Excess Revenue (surplus).	Excess Expenditure (deficit).	Rate per cent.	
				Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.									Of excess Revenue.	Of excess Expenditure.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
43.—MINOR WORKS AND NAVIGATION.	- Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
<i>Works for which Capital and Revenue Accounts are kept.</i>																			
SIND.																			
<i>Works in Operation.</i>																			
Sukkar Canal	13,64,754	61,406	14,26,250	...	...	...	13,64,754	61,496	14,26,250	3,474	2,19,432	2,22,906	67,223	1,891	68,614	1,54,592	...	10.82	...
Ghid do	5,48,405	30,854	5,79,259	...	...	...	5,48,405	30,854	5,79,259	7,198	8,86,971	8,44,164	2,30,272	5,711	2,85,983	6,08,181	...	104.99	...
Kutab Canal	1,74,028	6,051	1,80,079	...	...	...	1,74,028	6,051	1,80,079	161	5,209	5,420	7,770	319	8,089	...	2,669	...	1.48
Alibhar Kacheri Canal	23,207	710	23,917	...	...	...	23,207	710	23,917	501	15,490	15,991	1,440	28	1,417	17,408	...	72.79	...
Mārak Great Canal	2,07,486	8,310	2,15,746	...	...	...	2,07,436	8,310	2,15,746	3,885	1,87,465	1,41,050	28,007	1,126	29,133	1,11,917	...	51.87	...
Surfrāzsh	1,18,559	6,121	1,24,680	...	...	...	1,18,559	6,121	1,24,680	1,940	49,891	45,811	14,068	705	14,773	81,068	...	24.91	...
Fuleli Canal	19,71,833	73,202	20,45,035	11,039	271	11,340	19,24,576	71,488	19,96,001	57,643	8,01,994	8,59,532	2,87,891	7,291	2,45,282	6,14,300	...	30.78	...
Hasanali Canal	2,89,929	14,876	3,04,805	...	...	...	2,89,929	14,876	3,04,805	486	48,441	48,927	21,882	624	22,006	26,921	...	8.83	...
Total, Sind ...	46,93,201	2,01,020	48,99,321	11,068	271	11,340	46,50,833	1,99,904	48,50,737	74,978	21,03,893	21,83,871	6,05,273	17,190	6,22,463	16,61,408	...	82.19	...
DECCAN AND GUJARAT.																			
<i>Works in Operation.</i>																			
Wangrol Tank	2,39,471	50,875	2,90,346	2,590	44	2,634	2,38,960	50,105	2,89,065	2,789	1,767	4,556	7,720	295	8,015	...	3,459	...	1.20
Tranza Nagarna Tank	2,38,032	42,603	2,80,635	...	...	...	2,38,032	42,603	2,80,635	487	60	547	2,761	109	2,860	...	2,313	...	0.82
Sāvli Tank	2,34,179	21,031	2,55,210	...	...	...	2,34,179	21,031	2,55,210	2,784	...	2,784	7,701	300	8,001	...	5,217	...	2.04
Sahlat Tank	1,68,452	25,577	1,94,029	...	...	...	1,68,452	25,577	1,94,029	1,187	...	1,187	7,025	279	7,304	...	6,117	...	3.82
Fatela Tank	1,07,856	9,105	1,16,461	1,000	36,704	7,704	1,07,856	9,105	1,16,461	153	...	153	1,722	68	1,790	...	1,637	...	1.41
Hartala Tank	47,948	25,434	73,382	...	...	...	47,948	25,434	73,382	691	...	691	1,128	48	1,171	...	480	...	0.65
Mhasva Tank	1,28,781	10,175	1,38,956	...	...	...	1,28,781	10,175	1,38,956	9,089	...	9,089	2,863	108	2,455	...	684	...	0.46
Jūnda Canals	9,91,178	49,911	10,41,089	...	...	...	9,91,178	49,911	10,41,089	11,886	...	11,886	13,287	682	13,968	...	2,083	...	0.20
Parsul Tank	2,11,995	6,961	2,18,946	...	...	...	2,08,007	6,938	2,14,995	6,153	...	6,153	4,858	283	4,934	1,224	...	0.57	...

Pravara Left Bank Canal	3,24,317	23,293	3,47,550	...	...	...	3,24,317	23,233	3,47,550	6,086	76	6,162	6,590	267	6,857	...	695	...	0.20
Bhatodi Tank	3,52,035	27,022	3,79,707	...	...	...	3,52,035	27,022	3,79,707	6,018	2,206	8,224	3,550	108	8,358	...	4,500	...	1.20
Kasurdi do	40,812	4,778	45,590	...	...	...	40,812	4,778	45,590	554	...	554	597	28	656	...	71	...	0.16
Shirsuphal do	2,32,199	12,339	2,24,568	...	...	...	2,12,199	12,369	2,24,568	4,904	...	4,904	2,455	127	2,582	...	2,322	...	1.03
Dhātālvāl do	2,13,115	14,307	2,27,422	...	...	...	2,13,115	14,307	2,27,422	4,668	...	4,668	2,526	131	2,657	...	2,011	...	0.88
Koregnon do	37,923	1,366	39,189	...	...	...	37,923	1,266	39,189	3,162	...	3,162	883	89	922	...	2,340	...	5.72
Ashti do	7,57,050	79,041	8,36,091	...	...	...	7,57,050	79,041	8,36,091	18,114	...	18,114	5,080	103	5,873	...	12,241	...	1.46
Pāthri do	6,27,825	15,921	6,42,946	...	...	...	6,27,825	15,021	6,42,846	5,731	...	5,731	1,920	82	2,002	...	3,729	...	0.68
Rovāri Canal	56,771	3,040	59,811	...	...	...	56,771	3,040	59,811	7,243	...	7,243	1,793	69	1,862	...	5,361	...	8.99
Upper Mān River Works	4,15,835	23,431	4,39,286	...	...	...	4,15,835	23,451	4,39,286	5,884	...	5,884	2,943	124	3,007	...	3,317	...	0.68
Yerla River Irrigation Works	7,27,633	44,181	7,71,814	...	...	...	7,19,542	45,323	7,64,870	18,464	...	18,464	7,159	268	7,426	...	11,038	...	1.44
Chikhli Canal	53,803	3,639	57,442	...	...	...	53,803	3,639	57,442	3,923	...	3,923	770	26	790	...	3,132	...	5.45
Maini Tank	4,62,123	25,825	4,87,948	...	...	...	4,62,123	25,825	4,87,948	8,276	...	8,276	3,031	132	3,103	...	5,113	...	1.05
Muehkundi Tank	1,40,217	13,490	1,53,707	...	...	...	1,40,217	13,490	1,53,707	171	...	171	138	5	143	...	25	...	0.02
Gadikeri do	16,363	555	16,918	...	...	...	16,363	555	16,918	...	2,061	2,061	336	3	339	...	1,722	...	10.18
Gokak Canal, First Section, and Storage Works	9,00,811	63,445	9,69,256	...	...	...	9,00,811	63,445	9,69,256	43,160	...	43,160	10,674	512	11,186	...	31,074	...	3.80
Dambal Tank	60,847	3,133	63,980	...	...	...	60,847	3,133	63,980	1,015	916	1,931	1,177	96	1,273	...	658	...	1.08
Medlari do	78,354	3,038	81,392	...	...	...	78,354	3,038	81,392	771	...	771	790	73	863	...	...	...	0.11
Madag do	1,61,248	6,350	1,67,598	...	...	...	1,61,248	6,350	1,67,598	1,762	...	1,762	1,750	144	1,874	...	122	...	0.07
Asundi do	60,741	14,254	74,995	...	...	...	60,741	14,254	74,995	1,155	687	1,842	1,044	58	1,132	...	710	...	0.35
Mavinkop do	30,185	3,319	33,504	...	...	...	30,185	3,319	33,504	...	2,344	2,241	2,023	142	2,170	...	74	...	0.23
Dharna Canal	95,582	3,782	99,364	2,504	61	2,565	85,536	2,103	87,639	2,431	-4,951	-2,530	969	199	1,158	...	3,088	...	4.21		
Total, Works in Operation	81,89,883	6,38,521	88,32,704	6,004	6,809	12,903	81,61,197	6,38,636	87,99,833	1,72,221	5,056	1,77,277	1,07,121	5,016	1,12,137	65,140	...	0.74	...		
Works under Construction																					
Victoria Tank	4,37,530	23,473	4,61,003	-102	1	-101	54,565	3,790	58,355	
Suki River	15,189	385	16,574	
Total	4,37,530	23,473	4,61,003	-102	1	-101	69,704	4,175	73,879	
Works in Abeyance																					
Gokak Canal, Second Section	1,73,001	13,994	1,91,995	1,76,306	13,978	1,90,284	
Total, Deccan and Gujarat	87,99,414	6,76,283	94,75,702	5,992	6,810	13,802	84,07,207	6,56,789	90,63,936	1,72,221	5,056	1,77,277	1,07,121	5,016	1,12,137	65,140	...	0.72	
Grand Total—Works for which Capital and Revenue Accounts are kept	1,34,97,615	8,77,903	1,43,75,523	17,661	7,081	24,142	1,30,58,010	8,56,693	1,39,14,733	2,47,199	31,13,949	23,61,748	7,12,394	22,206	7,21,600	16,26,548	...	11.69	
Works for which only Revenue Accounts are kept																					
Sind	60,672	23,30,073	23,96,750	9,45,836	...	9,48,336	19,47,864	

Note.—(1) Direct Charges under Working Expenses include share of collection charges in the Civil Department calculated at certain percentages fixed by Government, but which are not adjusted in the Finance Accounts.

* The rate per cent. on the total cost (Rs. 13,81,922) of the Project comes to 2.31.

W. ALDER,
Accountant General.

Bombay, 22nd October 1917.

IRRIGATION BRANCH

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)— <i>Head Works.</i>					
A. Preliminary Expenses ...	1,808	65	1,873	4,612	....
B. Land ...	52,456	100	52,556	98,250	....
C. Works ...	20,18,927	5,11,450	25,30,377	28,32,892	....
K. Buildings ...	38,639	865	39,504	42,466	....
O. Miscellaneous ...	27,903	1,158	29,061	23,328	....
P. Maintenance ...	25,925	6,104	32,029	36,338	....
Total, Head Works ...	21,65,658	5,19,742	26,85,400	30,37,886	....
(2)— <i>Main Canals and Branches.</i>					
A. Preliminary Expenses ...	9,562	599	10,161	9,358	....
B. Land ...	57,033	3,741	61,374	67,891	....
D. Regulators ...	22,613	16,155	38,768	36,232	....
E. Falls and Weirs ...	12,610	1,741	14,351	18,471	....
F. River and Hill torrent works ...	4,05,888	44,828	4,50,209	4,67,130	....
G. Bridges ...	63,636	33,967	97,603	99,466	....
H. Escapes ...	3,722	9,084	12,806	6,150	....
K. Buildings ...	1,02,292	13,076	1,15,968	94,382	....
L. Earth-work ...	13,49,597	90,493	14,46,090	11,95,768	....
M. Plantations ...	30,638	8,539	39,177	50,306	....
O. Miscellaneous ...	2,166	601	2,767	2,669	....
P. Maintenance ...	20,957	2,603	23,560	23,331	....
Total, Main Canals and Branches ...	20,81,309	2,31,525	23,12,834	20,71,154	....
Carried over ...	42,46,967	7,51,267	49,98,234	51,09,040	....

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917—continued.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-17.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	42,46,967	7,51,267	49,98,234	51,00,040	.....
WORKS—continued.					
(3)—Distributaries.					
A. Preliminary Expenses ...	9,857	906	10,853	2,583	.....
B. Land ...	33,526	3,472	36,998	.....	.....
C. Works ...	77,205	14,355	91,563	2,77,177	.....
L. Earth-work ...	3,817	4,584	8,351	11,847	.....
O. Miscellaneous ...	1,02,742	43,427	1,46,169	3,30,783	.....
Total, Distributaries ...	2,27,147	66,787	2,93,934	6,28,380	.....
Total, I.—Works ...	44,74,114	8,18,054	52,92,168	57,87,420	.....
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	1,79,066	22,849	2,01,915	12,53,005	.....
3. Executive ...	7,43,494	1,41,428	8,84,922		
Total, II.—Establishment ...	9,22,560	1,64,277	10,86,837	12,53,005	.....
III.—TOOLS AND PLANT ...	5,42,558	-1,72,464	1,70,094	1,64,410	.....
IV.—Suspense Accounts ...	-154	...	-154	.....	.....
Grand Total ...	57,39,078	8,09,867	65,48,945	71,54,934	.....
V.—Less—Receipts on Capital Account.	3,966	1,322	5,288	.....	.....
Net Outlay ...	57,35,112	8,08,545	65,43,657	71,54,934	.....
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works ...	51,98,621	8,08,545	60,07,166	71,54,934	.....
Chargeable to 43.—Minor Works and Navigation ...	22,623	...	22,623		
Chargeable to 33.—Famine Relief ...	5,13,868	...	5,13,868		
Total ...	57,35,112	8,08,545	65,43,657	71,54,934	.....

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	63,728	15,078	78,876	2. Main Canals and Branches ...	176	...	176
3. Sales of water ...	84	...	84	II.—MAINTENANCE AND REPAIRS.			
5. Plantations.	868	338	1,206	2. Main Canals and Branches ...	35,606	11,098	46,704
6. Other canal produce	277	...	277	3. Distributaries ...	1,222	490	1,712
9. Rents of Buildings.	158	338	496	Total ...	36,828	11,588	48,416
10. Fines ...	121	35	156	IV.—ESTABLISHMENT.			
11. Miscellaneous Receipts ...	1,622	38	1,660	1 & 2. Direction and Accounts ...	1,638	497	2,135
Total ...	66,928	15,827	82,755	3. Executive ...	15,681	5,676	21,357
				Total ...	17,319	6,173	23,492
				V.—TOOLS AND PLANT ...	526	166	692
				VI.—REFUNDS OF REVENUE ...	60	402	462
II.—INDIRECT RECEIPTS.				Total ...	54,909	19,329	73,238
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	Share of Collection Charges in the Civil Department ...	3,196	752	3,948
Total, Receipts ...	66,928	15,827	82,755	Indirect Charges debitable to Revenue Account as per Account No. 5 ...	2,425	864	3,289
				Total, Charges ...	60,530	19,945	80,475
				Balance Net Revenue ...	6,398	-4,118	2,280
Grand Total ...	66,928	15,827	82,755	Grand Total ...	66,928	15,827	82,755

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

85.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 ...	6,07,768	Net Revenue realized to end of 1915-1916 ...	6,308
Interest charges for the year 1916-1917 ...	2,02,379	Do. during 1916-1917 ...	-4,118
			2,280
		Balance net Interest charges ...	8,07,807
Total ...	8,10,147	Total ...	8,10,147

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue ...	55,221	8,423	58,644
2. Leave and Pension Allowances ...	1,29,158	22,909	1,52,157
Total ...	1,84,379	26,422	2,10,801
REVENUE—			
2. Leave and Pension Allowances ...	2,425	864	3,289

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION. WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.	
	Expenditure against Construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.			
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
DIRECT CHARGES.									
Works	52,92,168	57,37,429	4,45,261	52,92,168	<p>Total estimate for the Pravara River Canal Project sanctioned by the Secretary of State's Despatch No. 33-F.W. of 9th August 1907, vide Government of India's No. 1631-I of 23rd September 1907, communicated in Government Resolution No. 2557 of 22nd October 1907, Rs. 86,44,841.</p> <p>Deduct—Estimate of the undermentioned works, as their separate accounts have been prepared as one account for the whole project has been kept in abeyance pending the new project is completed sufficiently to give water to the other canals, vide Government of India's No. 1951-I of 18th September 1908, communicated in Government Resolution No. 2721 of 20th October 1908:—</p> <p>Maldhari Rs. Tank ... 8,14,574</p> <p>Ojhar Canal ... 5,47,650</p> <p>L & k h Rs. Canal ... 3,71,891 10,34,015</p> <p>Net amount shown in this account ... 76,70,826</p> <p>Note.—From the sanctioned provision of works Rs. 7,419 have been transferred to that of Tools and Plant as per Government Resolution No. 5047, dated 18th March 1913.</p>	
Establishment	10,86,837	12,53,095	1,66,258	10,86,837		
Tools and Plant	1,70,094	1,64,410	—5,68	1,70,094		
Suspense Accounts.	—154	...	154	—154		
Total	65,48,945	71,54,934	6,05,989	65,48,945		
Less—Receipts on Capital Account.	5,288	...	—5,288	5,288		
Net Total	65,43,657	71,54,934	6,11,277	65,43,657		
INDIRECT CHARGES.									
Capitalized Abatement of Land Revenue	58,644	2,80,459	2,21,815	58,644		
Leave and Pension Allowances	1,52,157	1,75,433	23,276	1,52,157		
Total	2,10,801	4,55,892	2,45,091	2,10,801		
Grand Total	67,54,458	76,10,826	8,56,368	67,54,458		

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

CHANEAPUR TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1916.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Works.					
(1)—Head Works.					
A. Preliminary Expenses ...	7,678	...	7,678	7,678	7,678
B. Land ...	19,068	...	19,068	19,068	19,068
C. Masonry Works ...	8,82,680	...	8,82,680	8,82,680	8,82,680
K. Buildings ...	11,459	...	11,459	11,459	11,459
L. Earth-work ...	1,16,778	...	1,16,778	1,16,778	1,16,778
P. Maintenance ...	6,610	...	6,610	6,610	6,610
Total, Head Works ...	10,43,256	...	10,43,256	10,43,256	10,43,256
(2)—Main Canals and Branches.					
A. Preliminary Expenses ...	1,393	87	1,306	1,349	349
B. Land ...	2,387	601	2,988	10,417	2,102
C. Masonry Works ...	1,28,949	7,131	1,36,080	1,83,514	1,25,080
C (b). Falls and Weirs ...	302	...	302	302	302
C (c). River and Hill Torrent Works ...	71,143	...	71,143	.....	.....
C (e). Bridges ...	718	...	718	.....	.....
K. Buildings ...	11,990	...	11,990	6,148	6,148
L. Earth-work ...	1,50,456	5,825	1,56,281	2,03,179	92,086
M. Plantations ...	5,183	...	5,183	5,183	5,183
O. Miscellaneous ...	4,877	...	4,877	320	.....
P. Maintenance ...	.....	...	.....	250	.....
Total, Main Canals and Branches ...	3,77,488	13,479	3,90,958	4,10,762	2,32,226
(3)—Distributaries.					
A. Preliminary Expenses ...	7,258	404	7,662	6,717	6,717
B. Land ...	3,221	...	3,221	3,221	3,221
C. Masonry Works ...	5,373	...	5,373	5,373	5,373
L. Earth-work ...	7,794	...	7,794	7,794	7,794
O. Miscellaneous ...	18,259	...	18,259	38,659	18,259
Total, Distributaries ...	41,905	404	42,309	61,764	41,364
Total, I.—Works ...	14,62,649	13,874	14,76,523	15,15,772	18,18,848
Carried over ...	14,62,649	13,874	14,76,523	15,15,772	18,18,848

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

CHANKÁPUR TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917—continued.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated (Construction estimate closed on 31st March 1910.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	14,62,649	18,874	14,76,523	15,15,772	13,16,846
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	62,933	533	63,466	} 3,16,581 {	57,852
3. Executive ...	2,39,871	2,359	2,42,230		2,15,153
4. Medical ...	2,810	...	2,810		2,810
Total, II.—Establishment ...	3,05,614	2,892	3,08,506	3,16,581	2,75,815
III.—TOOLS AND PLANT					
...	57,957	208	58,165	58,619	55,775
Grand Total ...	18,26,220	16,974	18,43,194	18,90,972	16,48,436
V.—Less—Receipts on Capital Account					
...	2,132	...	2,132	2,132	2,132
Net Outlay ...	18,24,088	16,974	18,41,062	18,88,840	16,46,304
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works	17,89,772	16,974	18,06,746	} 18,88,840 {	16,11,988
Do. 43.—Minor Works and Navigation	84,316	...	84,316		34,316
Total ...	18,24,088	16,974	18,41,062	18,88,840	16,46,304

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

85.—PROTECTIVE IRRIGATION WORKS.

CHANKA'PUR TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	63,923	12,367	76,290	1. Head Works ...	1,578	94	1,672
3. Sales of water ...	4	...	4	2. Main Canals and Branches ...	290	235	525
6. Other canal produce	.74	121	195	Total ...	1,874	329	2,203
9. Rents of Buildings.	283	2	285	II.—MAINTENANCE AND REPAIRS.			
10. Fines ...	61	...	61	1. Head Works ...	18,134	4,452	22,586
11. Miscellaneous Receipts ...	1,581	137	1,668	2. Main Canals and Branches ...	21,009	3,306	24,405
Total ...	65,876	12,627	78,503	3. Distributaries ...	2,107	528	2,630
				Total ...	41,250	8,371	49,621
II.—INDIRECT RECEIPTS				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	1 & 2. Direction and Accounts ...	1,060	379	1,439
				3. Executive ...	25,875	6,447	32,322
				Total ...	27,835	6,826	34,661
				V.—TOOLS AND PLANT ...	2,471	126	2,597
				VI.—REFUNDS OF REVENUE ...	36	...	36
				Total ...	78,466	15,652	94,118
				Share of Collection Charges in the Civil Department ...	3,201	618	3,819
Total, Receipts ...	65,876	12,627	78,503	Indirect Charges debitable to Revenue Account as per Account No. 5 ...	3,896	956	4,852
				Total, Charges ...	80,563	17,226	97,789
				Balance Net Revenue ...	-14,687	-4,599	-19,286
Grand Total ...	65,876	12,627	78,503	Grand Total ...	65,876	12,627	78,503

N.B.—Construction Estimate closed on 31st March 1910—*vide* G. E. No. 672, dated 1st April 1910.
Completion Report approved in G. E. No. 443, dated 3rd March 1911.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

CHANKA'PUR TANK.

TANK PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.			Amount.	
	Rs.			Rs.	
Total Interest charges to end of 1915-1916 .	5,94,807		Net revenue realized to end of 1915-1916 .	—14,687	
Interest charges for the year 1916-1917 ...	60,409		Do. during 1916-1917...	—4,599	
				—19,286	
			Balance net interest charges	6,74,502	
Total ...	6,55,216		Total ..	6,55,216	

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.		Total.
		Rs.	Rs.	
CAPITAL—				
1. Capitalized abatement of Land Revenue ...	Rs. 17,297	.....		17,297
2. Leave and Pension Allowances ...	43,425	405		43,830
Total ..	60,722	405		61,127
REVENUE—				
2. Leave and Pension Allowances ...	8,896	956		4,852

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open capital Sanctions.	Total	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	12,04,069	1,12,777	13,16,846	1,59,677	1,98,926	39,249	14,76,523	
Establishment ...	2,51,351	24,464	2,75,815	32,891	40,766	8,075	3,08,506	
Tools and Plant ...	62,947	—7,172	55,775	2,390	2,344	454	58,165	
Total ...	15,18,367	1,30,069	16,48,436	1,94,758	2,42,536	47,778	18,43,194	
Less—Receipts on Capital Account.	2,132	...	2,132	...	...	...	2,132	
Net Total ...	15,16,235	1,30,069	16,46,304	1,94,758	2,42,536	47,778	18,41,062	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	16,285	1,037	17,272	25	2,000	1,975	17,297	
Leave and Pension Allowances ...	35,829	3,424	39,253	4,577	5,707	1,130	43,830	
Total ...	52,064	4,461	56,525	4,602	7,707	3,105	61,127	
Grand Total ...	15,68,299	1,34,530	17,02,829	1,99,360	2,50,243	50,883	19,02,189	

Government Resolution
(Public Works Department) No. W. I-3923,
dated 11th April 1917.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

GODAVARI CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated (Construction estimates closed on 31st March 1916).	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—Head Works.					
A. Preliminary Expenses	5,480	...	5,480	5,480	5,480
B. Land	9,16,341	805	9,16,146	9,16,341	9,16,341
C. Works	31,39,485	15,344	31,54,749	31,39,485	31,39,485
K. Buildings	42,777	...	42,777	42,777	42,777
O. Miscellaneous	152	...	152	152	152
P. Maintenance	18,007	...	18,007	18,007	18,007
Total, Head Works	41,21,192	16,119	41,37,311	41,21,192	41,21,192
(2)—Main Canals and Branches.					
A. Preliminary Expenses	29,652	...	29,652	29,652	29,652
B. Land	1,06,542	811	1,07,353	1,06,542	1,06,542
D. Regulators	28,177	1,575	29,752	28,177	28,177
E. River and Hill Torrent Works	10,86,087	14,147	11,00,234	10,86,087	10,86,087
G. Bridges	92,651	10,536	1,03,187	92,651	92,651
H. Escapes	18,989	1,448	20,437	18,989	18,989
K. Buildings	1,88,165	2,005	1,90,170	1,88,165	1,88,165
L. Earth-work	17,09,169	34,262	17,43,431	17,09,169	17,09,169
M. Plantations	8,907	...	8,907	8,907	8,907
O. Miscellaneous	12,680	...	12,680	12,680	12,680
P. Maintenance	15,318	715	16,033	15,318	15,318
Total, Main Canals and Branches	32,96,337	65,409	33,61,836	32,96,337	32,96,337
(3)—Distributaries.					
A. Preliminary Expenses	8,762	...	8,762	8,762	8,762
B. Land	26,513	1,550	28,063	26,513	26,513
C. Works	1,00,642	4,078	1,04,720	1,00,642	1,00,642
L. Earth-work	1,73,319	808	1,73,687	1,73,319	1,73,319
O. Miscellaneous	1,65,968	35,682	2,01,650	1,65,968	1,65,968
Total, Distributaries	4,75,204	41,678	5,16,882	4,75,204	4,75,204
Total, I.—Works	78,92,733	1,23,296	80,16,029	78,92,733	78,92,733
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	3,36,846	4,277	3,41,123	3,36,846	3,36,843
3. Executive	9,03,767	36,069	9,39,836	9,03,767	9,03,767
Total, Establishment	12,40,613	40,346	12,80,959	12,40,613	12,40,613
III.—Tools and Plant	2,21,997	1,227	2,23,224	2,21,997	2,21,997
IV.—Suspense Accounts	2,245	611	2,856	2,245	2,245
Grand Total	93,57,588	1,65,480	95,23,068	93,57,588	93,57,588
V.—Less—Receipts on Capital Account	2,028	...	2,028	2,028	2,028
Net Outlay	93,55,562	1,65,480	95,21,042	93,55,562	93,55,562
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works	93,55,562	1,65,480	95,21,042	93,55,562	93,55,562

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

GODA'VARI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	6,56,597	2,07,914	3,74,511	1. Head Works ...	4,305	1,824	6,129
3. Sales of water ..	1,838	479	2,317	2. Main Canals and Branches ...	1,023	1,819	2,842
5. Plantations ...	305	923	1,228	Total ...	5,328	3,643	8,971
6. Other canal produce ...	974	678	1,652	II.—MAINTENANCE AND REPAIRS.			
8. Navigation ...	2	...	2	1. Head Works ...	33,468	9,922	43,390
9. Rents of buildings .	1,491	978	2,469	2. Main Canals and Branches ...	2,10,692	61,320	2,72,012
10. Fines ...	2,088	228	2,316	3. Distributaries ..	18,415	6,843	25,253
11. Miscellaneous receipts ...	22,253	6,595	28,848	Total ...	2,62,575	78,085	3,40,660
Total ...	3,95,548	2,17,795	9,13,343	IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts ...	10,703	3,459	14,162
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	3. Executive ...	1,07,718	87,571	1,45,289
Total ...	...	...	...	Total ...	1,18,421	41,030	1,59,451
Total, Receipts ...	3,95,548	2,17,795	9,13,343	V.—TOOLS AND PLANT ...	3,339	1,153	4,492
Grand Total ..	3,95,548	2,17,795	9,13,343	VI.—REFUNDS OF REVENUE	38,589	-10,316	28,273
				Total ...	4,28,252	1,13,595	5,41,847
				Share of Collection Charges in the Civil Department ...	34,124	10,599	44,723
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	16,577	5,744	22,321
				Total Charges ...	4,78,953	1,29,938	6,08,891
				Balance Net Revenue ...	2,16,595	87,857	3,04,452
				Grand Total ...	6,95,548	2,17,795	9,13,343

N. B.—Construction Estimate closed on 31st March 1916, vide Government Order No. A-1, 3470, dated 28th March 1916.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917,

35.—PROTECTIVE IRRIGATION WORKS.

GODA'VARI CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.			Amount.	
	Rs.			Rs.	
Total Interest charges to end of 1915-1916	17,89,392		Net Revenue realized to end of 1915-1916	2,16,695	
Interest charges for the year 1916-1917.	3,11,124		Net Revenue realized during 1916-1917.	87,867	
			Balance Not Interest charges ...	3,04,453	
Total ...	20,50,516		Total ...	17,40,064	
				3,04,453	
				17,40,064	
				20,50,516	

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.		Previous.	1916-1917.	Total.
		Rs.	Rs.	Rs.
CAPITAL—				
1. Capitalized abatement of Land Revenue		3,07,005	1,518	3,08,523
2. Leave and Pension Allowances		1,73,684	5,048	1,79,332
	Total ...	4,80,689	7,166	4,87,855
REVENUE—				
2. Leave and Pension Allowances		16,577	5,744	22,321

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
DIRECT CHARGES.								
Works	78,92,733	...	78,92,733	1,23,290	...	-1,23,290	80,16,029	The excess is due to the expenditure incurred against the construction Estimate, Completion Report for which is submitted to the Government of India for approval and partly to the expenditure incurred against open capital account, the list of incomplete works for which accompanies the completion Report.
Establishment	12,40,613	...	12,40,613	40,346	...	-40,346	12,40,959	
Tools and Plant	2,21,997	...	2,21,997	1,227	...	-1,227	2,23,224	
Suspense Accounts	2,245	...	2,245	611	...	-611	2,856	
Total	93,57,588	...	93,57,588	1,65,480	...	-1,65,480	95,23,058	
Less—Receipts on Capital Account... ..	2,026	...	2,026	...	...	...	2,026	
Net Total	33,55,562	...	93,55,562	1,65,480	...	-1,65,480	95,21,042	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue	3,07,005	...	3,07,005	1,518	...	-1,518	3,08,523	
Leave and Pension Allowances	1,73,684	...	1,73,684	5,048	...	-5,048	1,79,332	
Total	4,80,689	...	4,80,689	7,166	...	-7,166	4,87,855	
Grand Total	98,36,251	...	98,36,251	-1,72,646	...	-1,72,646	1,00,08,897	

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA CANAL, INCLUDING SHETPHAL TANK.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	63,41,121	4,87,341	68,28,462	1. Head Works ...	13,225	2,498	15,723
3. Sales of water ...	2,470	66	2,536	2. Main Canals and Branches ...	49,792	4,422	54,214
4. Water-supply of towns ...	1	...	1	3. Distributaries ...	14,331	6,661	20,992
5. Plantations ...	62,886	1,250	64,136	4. Drainage and Protective Works ...	4,737	...	4,737
6. Other canal produce ...	...	3,601	3,601	Total ...	82,085	13,581	95,666
8. Navigation ...	30	...	30	II.—MAINTENANCE AND REPAIRS.			
9. Rents of buildings	7,785	338	8,123	1. Head Works ...	1,30,245	9,042	1,39,287
10. Fines ...	7,279	213	7,492	2. Main Canals and Branches ...	5,25,186	35,269	5,60,455
11. Miscellaneous receipts ...	45,850	2,205	48,055	3. Distributaries ...	1,59,708	9,093	1,68,801
Total ...	64,67,422	4,95,014	69,62,436	4. Drainage and Protective Works ...	977	6	983
II.—INDIRECT RECEIPTS.				Total ..	8,16,116	53,410	8,69,526
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	III.—COMPENSATION ...	5	...	5
Total, Receipts ...	64,67,422	4,95,014	69,62,436	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	70,472	2,736	73,208
				3. Executive ...	7,34,223	52,736	7,86,959
				4. Medical ...	3,724	...	3,724
				Total ...	8,08,419	55,472	8,63,891
				V.—TOOLS AND PLANT ...	40,431	73	40,554
Carried over ...	64,67,422	4,95,014	69,62,436	Carried over ...	17,47,106	1,22,536	18,69,642

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA CANAL, INCLUDING SHETPHAL TANK.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	64,67,422	4,95,014	69,62,436	Brought forward ...	17,47,106	1,22,536	18,69,642
				VI.—REFUNDS OF REVENUE ...	12,916	338	13,254
				Total ...	17,60,022	1,22,874	18,82,896
				Share of Collection Charges in the Civil Department ...	8,17,413	24,363	8,41,776
				Indirect Charges debit-able to Revenue Account as per Account No. 5 ...	1,13,178	7,766	1,20,944
				Total Charges ...	21,90,613	1,55,008	23,45,616
				Balance Net Revenue ...	42,76,809	3,40,011	46,16,820
Grand Total ...	64,67,422	4,95,014	69,62,436	Grand Total ...	64,67,422	4,95,014	69,62,436

N.B.—Last Capital Account detailed in the Administrative Accounts for 1916-16. Construction Estimate of the Nira Canal closed on 31st March 1899—vide Government Resolution No. 1847, dated 2nd April 1900.
Construction Estimate of the Shetphal Tank closed on 31st March 1906—vide Government Resolution No. 2434, dated 2nd October 1905.
Completion Report approved in Government Resolution No. 2367, dated 3rd December 1907.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.			Amount.	
	Rs.			Rs.	
Total Interest charges to end of 1915-16.	67,37,817		Net revenue realized to end of 1915-16.	42,76,809	
			Do. during 1916-17.	3,40,011	
Interest charges for the year 1916-17...	2,00,973			46,16,820	
			Balance net Interest charges ...	23,21,470	
Total ...	69,38,290		Total ...	69,38,290	

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue ...	.....	.....	.....
2. Leave and Pension Allowances ...	1,13,178	7,766	1,20,944
Total ...	1,13,178	7,766	1,20,944

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

MHASWAD TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	6,78,296	{ 39,391 (a) 189 }	7,17,876	1. Head Works ...	17,901	...	17,901
3. Sales of water ...	556	...	556	2. Main Canals and Branches ...	2,048	...	2,048
4. Water-supply of towns.	29,806	40	29,846	3. Distributaries ...	2,083	277	2,360
5. Plantations ...	...	{ 2,059 }	24,698	Total ...	22,032	277	22,309
6. Other canal produce ...	21,498	{ 1,141 }	...	II.—MAINTENANCE AND REPAIRS.			
9. Rents of buildings.	1,219	30	1,249	1. Head Works ...	52,736	851	53,587
10. Fines ...	185	...	185	2. Main Canals and Branches ...	1,06,656	2,466	1,09,122
11. Miscellaneous receipts ...	35,614	27	35,641	3. Distributaries ...	62,536	2,404	64,940
Total ...	7,67,174	42,877	8,10,051	Total ...	2,21,928	5,721	2,27,649
II.—INDIRECT RECEIPTS.				III.—COMPENSATION ...	75	...	75
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	23,045	270	22,315
				3. Executive ...	1,55,809	7,626	1,63,435
				4. Medical ...	66	...	66
				Total ...	1,78,920	7,896	1,86,816
Total Receipts ...	7,67,174	42,877	8,10,051	V.—TOOLS AND PLANT ...	5,496	90	5,586
Carried over ...	7,67,174	42,877	8,10,051	Carried over ...	4,28,451	13,984	4,42,435

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

MHASWAD TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	7,67,174	42,877	8,10,051	Brought forward ...	4,28,451	13,984	4,42,435
				VI.—REFUNDS OF REVENUE ...	242	21	263
				Total ...	4,29,693	14,005	4,42,008
				Share of Collection Charges in the Civil Department ...	35,251	{ 1,844 (a) 189 }	37,284
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	25,106	1,105	26,211
				Total Charges ...	4,80,050	17,148	5,06,198
				Balance Net Revenue ...	2,78,124	25,734	3,03,858
Grand Total ...	7,67,174	42,877	8,10,051	Grand Total ...	7,67,174	42,877	8,10,051

N.B.—Last Capital Account detailed in the Administrative Accounts for 1906-1907.

Construction Estimate closed on 31st March 1901, vide Government Resolution No. 1197, dated 10th June 1901.

Completion Report approved in Government Resolution No. 1106, dated 22nd April 1903.

(a) Amount adjusted by credit to Water rates and debit *per contra* on account of collection charges for the revenue realized by the Aundh State.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 ...	25,31,433	Net revenue realized to end of 1915-1916 ...	2,78,124
Interest charges for the year 1916-1917 ...	66,111	Do. during 1916-1917 ...	25,734
Total ...	25,97,544	Balance net Interest charges ...	3,03,858
		Total ...	22,93,686
			25,97,544

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue ...	58	.....	58
2. Leave and Pension Allowances ...	25,048	1,105	26,153
Total ...	25,106	1,105	26,211

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

MA'LA'DEVI TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
<i>(1)—Head Works.</i>					
A. Preliminary Expenses	5,327	...	5,327	5,327	...
B. Land	13,576	...	13,576	13,990	...
C. Masonry Works	85,812	...	85,812	85,823	...
K. Buildings	3,707	...	3,707	3,706	...
L. Earth-work	1,34,417	...	1,34,417	1,34,443	...
P. Maintenance	80	...	30	30	...
Total, Head Works	2,42,869	...	2,42,869	2,43,319	...
Total, I.—Works	2,42,869	...	2,42,869	2,43,319	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	11,436	...	11,436	11,459	...
3. Executive	49,110	...	49,110	49,194	...
Total, II.—Establishment	60,546	...	60,546	60,653	...
III.—TOOLS AND PLANT					
...	1,473	...	1,473	1,473	...
Grand Total	3,04,888	...	3,04,888	3,05,445	...
V.—Less—Receipts on Capital Account	2,848	...	2,848	774	...
Net Outlay	3,02,040	...	3,02,040	3,04,671	...
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works	2,88,703	...	2,88,703	} 3,04,671	...
Do. 43.—Minor Works and Navigation	13,337	...	13,337		
Total	3,02,040	...	3,02,040	3,04,671	...

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

MA'LA'DEVI TANK.

TANK PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.			Amount.	
	Rs.			Rs.	
Total Interest charges to end of 1915-1916...	1,90,898		Net Revenue realized to end of 1915-1916... Do. during 1916-1917 ...	.....	.....
Interest charges for the year 1916-1917 ...	9,955		Balance net Interest charges ...	.....	2,00,840
Total ...	2,00,849		Total ...	.....	2,00,840

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue ...	875	.....	875
2. Leave and Pension Allowances ...	9,018	.....	9,018
Total ...	9,888	.....	9,888

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanction.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
DIRECT CHARGES.								
Works	2,42,869	2,43,319	450	2,42,869	This work is a part of the Pravara River Irrigation Project, but separate account has been maintained until the new project is completed sufficiently to give an increased supply of water to the other canals—vide Government of India's No. 1951-1, dated 18th September 1908, communicated in Government Resolution No. 2721 of 20th October 1908. Estimate amounting to Rs. 3,14,574 for direct and indirect charges included in the above project sanctioned in the Secretary of State's Despatch No. 88-P. W., dated 9th August 1907, communicated in Government of India's No. 1081 of 23rd September 1907—vide Government Resolution No. 2597 of 22nd October 1907—has been shown here.
Establishment	60,546	60,653	107	60,546	
Tools and Plant...	1,478	1,478	...	1,478	
Suspense Accounts	
Total	3,04,888	3,05,445	557	3,04,888	
Less—Receipts on Capital Account.	2,848	774	—2,074	2,848	
Net Total	3,02,040	3,04,671	2,631	3,02,040	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue	875	875	...	875	
Leave and Pension Allowances	9,018	9,028	15	9,018	
Total	9,888	9,903	15	9,888	
Grand Total	3,11,928	3,14,574	2,646	3,11,928	

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

BUDDHIAL TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
<i>(1)—Head Works.</i>					
A. Preliminary Expenses	836	...	836	1,600	...
B. Land	8,174	...	8,174	30,204	...
C. Masonry Works	45,988	...	45,988	1,50,398	...
K. Buildings	5,696	...	5,696	5,696	...
L. Earth-work	3,28,697	...	3,28,697	7,63,440	...
O. Miscellaneous	4,993	...	4,993	7,656	...
P. Maintenance	3,893	283	3,676	3,973	...
Total, Head Works	3,97,777	283	3,98,060	9,62,971	...
<i>(2)—Main Canals and Branches.</i>					
Total, Main Canals and Branches ... ..	...	...	...	*1,66,500	...
Total, I.—Works	3,97,777	283	3,98,060	11,29,471	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	19,447	13	19,460	54,978	...
3. Executive	70,031	48	70,079	1,97,617	...
Total, II.—Establishment	89,478	61	89,539	2,52,590	...
III.—TOOLS AND PLANT					
... ..	5,022	4	5,026	16,468	...
Grand Total	4,92,277	348	4,92,625	13,98,529	...
V.—Less—Receipts on Capital Account	1,379	210	1,589	...	...
Net Outlay	4,90,898	138	4,91,036	13,98,529	...
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works	36,027	138	36,165	} 13,98,529	...
Do. 43.—Minor Works and Navigation	29,588	...	29,588		
Do. 33.—Famine Relief	4,25,283	...	4,25,283		
Total	4,90,898	138	4,91,036	13,98,529	...

* Lump sum provision in the Estimate.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

BUDDHIAL TANK.

TANK PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Not Revenue realized to end of 1916-1916... Do. during 1916-1917...	Amount.	
	Rs.	Do.		Rs.	Do.
Total Interest charges to end of 1915-1916...	1,84,312				.....
Interest charges for the year 1916-1917 ...	16,184		Balance not Interest charges ...		.....
Total ...	2,00,496		Total ...		2,00,496

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue ...	5,741	.....	5,741
2. Leave and Pension Allowances ...	12,527	9	12,536
Total ...	18,268	9	18,277

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against did and current Sanctions.	REMARKS.
	Expenditure against construction Estima.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
DIRECT CHARGES.								
Works	3,98,080	11,29,471	7,31,411	3,98,080	Estimate sanctioned in the Secretary of State's Despatch No. 21 of 14th April 1906, as per Government of India's No. 705-1 of 17th June 1906, communicated in Government Resolution No. 2002 of 1st August 1906.
Establishment	89,539	2,52,590	1,63,051	89,539	
Tools and Plant	5,026	18,468	11,442	5,026	
Total	4,92,625	13,98,529	9,05,904	4,92,625	
Less—Receipts on Capital Account.	1,589	...	1,589	1,589	
Net Total	4,91,036	13,98,529	7,493	4,91,036	
INDIRECT CHARGES								
Capitalized abatement of Land Revenue	5,741	20,720	14,979	5,741	
Leave and Pension Allowances	12,536	35,362	22,826	12,536	
Total	18,277	56,082	37,805	18,277	
Grand Total	5,09,313	14,54,611	9,45,298	5,09,313	

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
 ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
 35.—PROTECTIVE IRRIGATION WORKS.
 NIRA RIGHT BANK CANAL.
 CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—Head Works.					
A. Preliminary Expenses ...	39,876	...	39,876	20,000	.....
B. Land ...	23,782	6,079	29,861	3,59,630	.....
C. Works ...	20,78,168	5,82,076	26,60,244	68,96,716	.....
K. Buildings ...	89,831	937	90,768	93,207	.....
O. Miscellaneous ...	84,639	—30,239	54,400	75,230	.....
P. Maintenance ...	10,980	29,148	40,128	40,647	.....
Total, Head Works ...	23,27,276	5,87,996	29,15,272	74,85,430	.....
(2)—Main Canals and Branches.					
A. Preliminary Expenses ...	1,81,117	42,446	2,23,563	1,72,538	.....
B. Land ...	1,59,610	4,641	1,64,251	2,03,625	.....
D. Regulators ...	.....	.....	.....	1,68,981	.....
F. River and Hill Torrent Works ...	2,06,510	1,33,949	3,40,459	23,86,367	.....
G. Bridges ...	50,724	12,136	62,860	1,98,572	.....
H. Escapes ...	707	536	1,243	1,050	.....
K. Buildings ...	1,60,554	23,558	1,84,112	2,55,500	.....
L. Earth-work ...	44,30,995	4,90,485	49,21,480	63,43,621	.....
M. Plantations ...	10,023	5,270	21,298	35,000	.....
O. Miscellaneous ...	4,577	545	5,122	4,169	.....
P. Maintenance ...	1,34,878	—1,12,711	22,167	90,000	.....
Total, Main Canals and Branches ...	53,45,700	6,00,855	59,46,555	98,59,423	.....
(3)—Distributaries.					
A. Preliminary Expenses ...	6,167	19,035	25,202	.....	.....
B. Land ...	.....	.....	.....	1,47,480	.....
C. Works ...	3,957	694	4,651	27,99,937	.....
Total, Distributaries ...	10,124	19,729	29,853	29,47,417	.....
Total, I.—Works ...	76,83,100	12,08,580	88,91,680	2,02,92,270	.....
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	2,34,049	42,922	2,76,971	43,54,327	.....
3. Executive ...	8,32,074	1,69,500	10,01,574		
Total, Establishment ...	10,66,123	2,12,422	12,78,545	43,54,327	.....
III.—TOOLS AND PLANT ...	5,31,442	27,392	5,58,834	3,25,271	.....
IV.—Suspense Accounts ...	7,809	9,851	17,660	.....	.....
Grand Total ...	92,83,474	14,58,245	1,07,46,719	2,49,71,868	.....
V.—Less—Receipts on Capital Account ...	3,667	3,640	7,307	.....	.....
Net Outlay ...	92,84,807	14,54,605	1,07,39,412	2,49,71,868	.....
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works ...	92,84,807	14,54,605	1,07,39,412	2,49,71,868	.....

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA RIGHT BANK CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-16.	5,25,921	Net Revenue realized to end of 1915-16.	.....
Interest charges for the year 1916-17 ...	3,30,039	Net Revenue realized during 1916-17 ..	.....
		Balance net Interest charges ...	8,55,960
Total ...	8,55,960	Total ...	8,55,960

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue ...	56,591	1,046	57,637
2. Leave and Pension Allowances ...	1,49,257	29,789	1,78,996
Total ...	2,05,848	30,785	2,36,633

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.	Remarks
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	88,91,680	2,02,92,270	1,14,00,500	88,01,680	
Establishment	12,78,545	43,54,327	30,75,782	12,78,545	
Tools and Plant	5,58,834	3,25,271	—2,33,563	5,58,834	
Suspense Accounts	17,660	...	—17,660	17,660	
Total	1,07,46,719	2,49,71,868	1,42,25,149	1,07,46,719	
Less—Receipts on Capital Account	7,307	...	—7,307	7,307	
Net Total	1,07,39,412	2,49,71,868	1,42,32,456	1,07,30,412	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue	57,637	1,91,025	1,33,388	57,637	
Leave and Pension Allowances	1,78,996	6,09,806	4,30,610	1,78,996	
Total	2,36,633	8,00,831	5,63,998	2,36,633	
Grand Total	1,09,76,045	2,57,72,499	1,47,96,454	1,09,76,045	

N.B.—From the sanctioned provision of works Rs. 41,293 have been transferred to that of Tools and Plant—vide Government Resolution No. A. I.—1938, dated 17th February 1915, and No. A. I.—4435, dated 26th April 1916.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

DESERT CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	13,58,977	1,09,677	19,68,654	1. Head Works ...	4,789	...	4789
5. Plantations ...	2,909	71	5,007	2. Main Canals and Branches ...	1,88,943	1,147	1,90,090
6. Other canal produce ...		2,027		48,293	3. Distributaries ...	48,293	...	48,299
9. Rents of buildings ...	9,403	323	9,726	Total ...	2,42,031	1,147	2,43,178
10. Fines ...	15,302	718	16,015	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous receipts ...	20,490	1,027	21,517	1. Head Works ...	43,743	...	43,743
Total ...	19,07,081	1,13,838	20,20,919	2. Main Canals and Branches ...	21,74,745	69,272	22,44,017
II.—INDIRECT RECEIPTS.				3. Distributaries ...	41,270	...	41,270
Irrigation share of Land Revenue collected in the Civil Department.	61,70,881	3,64,358	65,35,239	Total ...	22,59,758	69,272	23,29,030
Four per cent. on $\frac{2}{10}$ ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	39,178	2,125	41,303	III.—COMPENSATION ...	279	...	279
Total ...	62,10,059	3,66,483	65,76,542	IV.—ESTABLISHMENT.			
Total, Receipts ...	81,17,140	4,80,321	85,97,461	1 & 2. Direction and Accounts ...	1,12,018	2,195	1,14,213
				3. Executive ...	3,73,759	24,400	3,98,159
				Total ...	4,85,777	26,595	5,12,372
				V.—TOOLS AND PLANT ...	23,479	1,225	24,704
				VI.—REFUNDS OF REVENUE ...	7,245	...	7,245
				Total ...	30,18,569	93,239	31,16,808
				Share of Collection Charges in the Civil Department ...	4,52,255	21,949	4,74,202
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	73,919	4,577	78,496
				Total, Charges ...	35,44,741	1,24,765	36,69,506
				Balance Net Revenue ...	45,72,399	3,55,556	49,27,955
Grand Total ...	81,17,140	4,80,321	85,97,461	Grand Total ...	81,17,140	4,80,321	85,97,461

Note.—Loss to the canal on account of difference between assessment of water-rates on Jaghir lands and also on lands in Khilt Territory, and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 238-I, dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883—
Rs.
To end of 1915-1916 17,85,052
Loss for 1916-1917... 1,06,936
Total ...18,91,985

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

DESERT CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 ...	24,91,100	Net Revenue realized to end of 1915-1916 ...	45,72,800
		Do. during 1916-1917 ...	8,55,558
Interest charges for the year 1916-1917 ...	87,054		40,27,055
		Balance net Interest charges ...	23,49,501
Total ...	25,78,154	Total ...	25,78,154

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue ...	8,878	854	4,727
2. Leave and Pension Allowances ...	70,046	3,723	78,769
Total ...	78,919	4,577	78,436

IRRIGATION BRANCH

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

UNHARWA'H.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,545	292	4,837	1. Head Works ...	76,109	...	76,109
4. Water-supply of towns ...	41	...	41	2. Main Canals and Branches ...	44,932	994	45,926
5. Plantations ...	1,327	35	1,624	3. Distributaries ...	7,467	...	7,467
6. Other canal produce. } ...	103	262	103	Total ...	1,28,508	994	1,29,502
9. Rents of buildings. ...	8,052	565	8,617				
10. Fines ...	5,626	274	5,900	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous receipts ...				1. Head Works ...	337	...	337
Total ...	19,694	1,428	21,122	2. Main Canals and Branches ...	6,59,052	35,302	6,94,354
II.—INDIRECT RECEIPTS.				3. Distributaries ...	11,224	...	11,224
Irrigation share of Land Revenue collected in the Civil Department	37,04,257	1,83,487	38,87,744	Total ...	6,70,663	35,302	7,05,965
Four per cent. on ² / ₁₀ ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A.L., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	62,526	3,015	65,541	IV.—ESTABLISHMENT.			
Total ...	37,66,783	1,86,502	39,53,285	1 & 2. Direction and Accounts ...	36,047	1,211	37,258
Total, Receipts ...	37,86,477	1,87,930	39,74,407	3. Executive ...	79,510	12,217	91,727
				Total ...	1,15,557	13,428	1,28,985
				V.—TOOLS AND PLANT ..	6,428	377	6,805
Note.—Loss to the canal on account of difference between assessment of water-rates on Jâghir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-L, dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Total ...	9,21,156	50,101	9,71,257
Rs.				Share of Collection Charges in the Civil Department ...	2,43,478	11,061	2,54,539
To end of 1915-1916 ... 17,288				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	19,555	1,887	21,442
Loss for 1916-1917 ... 1,033				Total, Charges ...	11,84,189	63,049	12,47,238
Total ... 18,321				Balance Net Revenue ...	26,02,288	1,24,881	27,27,169
Grand Total ...	37,86,477	1,87,930	39,74,407	Grand Total ...	37,86,477	1,87,930	39,74,407

N.B.—Last Capital Account detailed in the Administrative Accounts for 1915-16. Construction Estimate closed on 31st March 1891—vide Government Resolution No. 1253, dated 28th July 1891. Completion Report approved in Government Resolution No. 590, dated 6th April 1892.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

UNHARWA'H.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 ...	6,53,112	Net Revenue realized to end of 1915-1916...	26,02,288
Interest charges for the year 1916-1917 ...	25,318	Do. during 1916-1917 ...	1,24,881
			27,27,169
		Balance net Interest charges ...	-20,48,739
Total ...	6,78,430	Total ...	6,78,430

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue ...	3,378	7	3,385
2. Leave and Pension Allowances ...	10,177	1,880	18,057
Total ...	19,555	1,887	21,442

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

BEGARI CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated. (Construction estimate closed or 31st March 1891.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
<i>(2)—Main Canals and Branches.</i>					
B. Land	24,888	...	24,888	27,693	409
D. Regulators	3,57,038	...	3,57,038	3,57,039	2,98,290
G. Bridges	70,650	...	70,650	70,649	66,873
H. Escapes	7,092	...	7,092	7,092	7,092
I. Navigation Works	2,065	...	2,065	2,065	2,065
K. Buildings	35,779	...	35,779	35,778	22,690
L. Earth-work	10,59,759	...	10,59,759	10,59,759	9,64,207
M. Plantations	11,455	...	11,455	11,455	11,266
O. Miscellaneous	4,543	...	4,543	4,543	3,544
Total, Main Canals and Branches ...	15,73,269	...	15,73,269	15,76,073	13,76,236
<i>(3)—Distributaries.</i>					
A. Preliminary Expenses	9,039	...	9,039	9,039	.....
B. Land	21,771	241	22,012	97,974	111
C. Works	2,16,060	...	2,16,060	2,16,436	1,79,901
L. Earth-work	1,91,510	...	1,91,510	2,18,682	10,972
Total, Distributaries ...	4,38,330	241	4,38,621	5,42,131	1,90,984
Total, I—Works ...	20,11,649	241	20,11,890	21,18,204	15,67,220
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	81,808	...	81,808	3,45,519	61,758
3. Executive	2,72,426	...	2,72,426			2,05,029
Total, Establishment ...	3,54,234	...	3,54,234	3,45,519	2,66,787
III.—TOOLS AND PLANT					
... ..	6,279	...	6,279	6,277	4,722
IV.—SUSPENSE ACCOUNTS					
...
Grand Total ...	23,72,162	241	23,72,403	24,70,000	18,38,729
V.—Less—Receipts on Capital Account	19	...	19	19	19
Net Outlay ...	23,72,143	241	23,72,384	24,69,981	18,38,710
APPORTIONMENT.					
Chargeable to 49.—Irrigation ...	23,72,143	241	23,72,384	24,69,981	18,38,710

IRRIGATION BRANCH. BOMBAY PRESIDENCY.
PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
49.—IRRIGATION WORKS.

BEGARI CANAL.
 CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	TOTAL.			Charges.	TOTAL.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	12,34,969	39,001	12,73,910	1. Head Works ...	1,254	...	1,255
8. Sales of Water ...	518	7	525	2. Main Canals and Branches ...	8,20,727	5,341	8,26,076
4. Water-supply of Towns.	881	174	1,055	3. Distributaries ...	11,307	...	11,307
5. Plantations ...	9,815	21	10,925	Total ...	8,33,280	5,340	8,38,638
6. Other Canal Produce.				1,089			
9. Rents of Buildings.	227	18	245	II.—MAINTENANCE AND REPAIRS.			
10. Fines ...	12,684	1,270	13,954	2. Main Canals and Branches ...	29,40,891	81,857	30,22,748
11. Miscellaneous Receipts ...	85,835	1,245	87,080	3. Distributaries ...	26,015	...	26,015
Total ...	12,94,869	42,825	13,37,694	4. Drainage and Protective Works ...	17,343	...	17,343
II.—INDIRECT RECEIPTS.				Total ...	29,84,240	81,857	30,66,100
Irrigation share of Land Revenue collected in the Civil Department.	1,39,21,616	6,48,774	1,45,70,390	IV.—ESTABLISHMENT.			
4 per cent. on $\frac{9}{10}$ ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 58—A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	1,86,190	9,061	1,95,251	1 & 2. Direction and Accounts ...	1,56,010	2,007	1,58,007
Total ...	1,41,07,806	6,57,835	1,47,65,641	3. Executive ...	5,72,128	82,007	6,04,135
Total, Receipts ...	1,54,02,675	7,00,660	1,61,03,335	Total ...	7,27,138	83,004	7,62,142
<i>Note</i> —Loss to the canal on account of difference between assessment of water-rates on Jaghir lands and also on lands in Khalifa Territory and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-L, dated 14th June 1889, communicated under Government Resolution No. 400, dated 11th August 1889.				V.—TOOLS AND PLANT ...	33,007	1,258	34,290
To end of 1915-1916. 20,27,471 Loss for 1916-1917. 80,990				VI.—REFUNDS OF REVENUE ...	1,751	...	1,751
Total ... 21,08,461				Suspense Account ...	639	-699	...
Grand Total ...	1,54,02,675	7,00,660	1,61,03,335	Total ...	40,80,138	1,22,794	42,02,927
				Share of Collection Charges in the Civil Department ...	10,63,648	39,383	11,03,011
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	1,14,953	4,901	1,19,854
				Total, Charges ...	52,58,734	1,67,058	54,25,792
				Balance Net Revenue ...	1,01,43,941	5,33,602	1,06,77,543
				Grand Total ...	1,54,02,675	7,00,660	1,61,03,335

N.B.—Construction Estimate closed on 31st March 1891—*vide* Government Resolution No. 1253, dated 28th July 1891.
 Completion Report approved in Government Resolution No. 763, dated 11th May 1892.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

BEGA'RI CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.			Amount.	
	Rs.			Rs.	
Total Interest charges to end of 1915-16.	28,57,963		Net Revenue realized to end of 1915-16.	1,01,43,941	
Interest charges for the year 1916-1917.	78,199		Do. during 1916-1917.	5,83,602	
Total ...	29,36,162		Balance net Interest charges ...	1,06,77,543	
				-77,41,381	
			Total ...	29,86,162	

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.		1916-1917.		Total.	
	Rs.		Rs.		Rs.	
CAPITAL—						
1. Capitalized abatement of Land Revenue ...	17,912		13		17,925	
2. Leave and Pension Allowances ...	60,682		.....		60,632	
Total ...	78,544		13		78,557	
REVENUE—						
1. Capitalized abatement of Land Revenue ...	1,973		.....		1,973	
2. Leave and Pension Allowances ...	1,12,980		4,901		1,17,881	
Total ...	1,14,953		4,901		1,19,854	

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	18,91,068	1,76,152	15,67,220	4,44,670	5,50,984	1,06,314	20,11,890	
Establishment ...	2,29,894	36,893	2,66,787	87,447	78,732	-8,715	3,54,234	
Tools and Plant ...	4,666	56	4,722	1,557	1,555	-2	6,279	
Total ...	16,25,628	2,13,101	18,38,729	5,33,674	6,31,271	97,597	23,72,408	
Less—Receipts on Capital Account ...	19	...	19	...	...	...	19	
Net Total ...	16,25,609	2,13,101	18,38,710	5,33,674	6,31,271	97,597	23,72,384	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	4,246	949	5,195	12,730	...	-12,730	17,925	
Leave and Pension Allowances ...	43,224	5,165	48,389	12,243	11,022	-1,221	60,632	
Total ...	47,470	6,114	53,584	24,973	11,022	-13,951	78,557	
Grand Total ...	16,73,079	2,19,215	18,92,294	5,58,647	6,42,293	83,646	24,50,941	

Second revised Estimate of the Chori Project sanctioned by the Government of India—vide their letter No. 7894, dated 6th May 1916, consolidated in the Government of India Resolution No. W. L. 2007, dated 23rd June 1914 ...

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

MAHIWAH.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of con- structions now estimated.	Expenditure against closed Estimates.
	Previous.	1916-1917.	Total.		
I.—WORKS.					
(2)—Main Canals and Branches.					
B. Land	60,416	2,569	62,985	68,610	...
D. Regulators	1,53,899	...	1,53,899	1,61,973	...
E. Falls and Weirs	8,272	...	8,272	8,201	...
G. Bridges	44,200	...	44,200	46,358	...
K. Buildings	34,288	...	34,288	34,288	...
L. Earth-work	4,14,441	...	4,14,441	4,42,780	...
Total, Main Canals and Branches ...	7,15,516	2,569	7,18,085	7,62,406	...
(3)—Distributaries.					
C. Works	69,822	...	69,822	78,946	...
L. Earth-work	79,871	...	79,871	80,121	...
Total, Distributaries ...	1,49,693	...	1,49,693	1,59,067	...
(4)—Drainage and Protective Works.					
B. Land	4,210	...	4,210	4,210	...
C. Works	50,954	...	50,954	50,954	...
L. Earth-work	2,04,631	...	2,04,631	2,04,631	...
Total, Drainage and Protective Works ...	2,59,795	...	2,59,795	2,59,795	...
Total, I.—Works ...	11,25,004	2,569	11,27,573	11,81,268	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	53,473	(a) 116	53,589	2,54,480	...
3. Executive	1,90,404	...	1,90,404		
Total, II.—Establishment ...	2,43,877	116	2,43,993	2,54,480	...
III.—TOOLS AND PLANT	9,500	...	9,500	9,500	...
Grand Total ...	13,78,381	2,685	13,81,066	14,45,254	...
V.—Less—Receipts on Capital Account ...	6	...	6	6	...
Net Outlay ...	13,78,375	2,685	13,81,060	14,45,248	...
APPORTIONMENT.					
Chargeable to 49.—Irrigation	13,78,375	2,685	13,81,060	14,45,248	...

(a) Direction charges erroneously charged during the year will be written back during the year 1917-18.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

MAHIWAH.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	3,745	—137	3,608				
3. Sales of Water ...	6	...	6	I.—EXTENSIONS AND IMPROVEMENTS.			
5. Plantations ...	351	37	368	2. Main Canals and Branches ...	84,559	3,170	87,729
6. Other Canal Produce ...	1,408	125	1,533	3. Distributaries ...	5,466	...	5,466
9. Rents of Buildings.	380	...	380	Total ...	90,025	3,170	93,195
10. Fines ...	6,187	2,757	8,944	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts ...	14,373	332	14,705	2. Main Canals and Branches ...	5,03,736	57,693	5,61,429
Total ...	26,430	3,114	29,544	IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts ...	19,961	1,883	21,844
Irrigation share of Land Revenue collected in the Civil Department ...	8,85,274	72,872	9,58,146	3. Executive ...	—4,522	340	—4,183
4 per cent. on $\frac{2}{10}$ ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	36,672	2,625	39,297	Total ...	15,433	2,223	17,656
Total ...	9,21,946	75,497	9,97,443	V.—TOOLS AND PLANT ...	3,624	1,037	4,661
Total, Receipts ...	9,48,376	78,611	10,26,987	Total ...	6,12,818	64,123	6,76,941
<i>Note.</i> —Loss to the canal on account of difference between assessment of water-rates on Jâghir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-L, dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Share of Collection Charges in the Civil Department ...	47,121	4,514	51,635
To end of 1915-1916 .. 80,775				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	5,678	311	5,989
Loss for 1916-1917 ... 5,451				Total, Charges ...	6,65,617	68,948	7,34,565
Total ... 86,226				Balance Net Revenue ...	2,82,759	9,663	2,92,422
Grand Total ...	9,48,376	78,611	10,26,987	Grand Total ...	9,48,376	78,611	10,26,987

IRRIGATION BRANCH

BOMBAY PRESIDENCY

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
49.—IRRIGATION WORKS.

MAHIWAH.
CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount	Net Revenue realized to end of 1915-1916 Do. during 1916-1917	Amount
	Rs.		Rs.
Total interest charges to end of 1915-1916 ...	6,43,522	...	2,82,750
Interest charges for the year 1916-1917 ...	45,481	...	9,608
Total ...	6,89,003	Balance not Interest charges ...	2,92,122
			8,90,581
		Total ...	6,89,003

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—			
1. Capitalized abatement of Land Revenue... ..	Rs. 24,649	Rs.	Rs. 24,649
2. Leave and Pension Allowances	84,148	16	84,150
Total ...	58,792	16	58,808
REVENUE—			
1. Capitalized abatement of Land Revenue	3,518	.....	3,518
2. Leave and Pension Allowances	2,160	311	2,471
Total ...	5,678	311	5,989

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	11,27,578	11,81,208	53,695	11,27,578	
Establishment	2,43,993	2,54,483	10,493	2,43,998	
Tools and Plant	9,500	9,500	...	9,500	
Total	13,81,060	14,45,254	64,188	13,81,060	
Less—Receipts on Capital Account...	6	6	...	6	
Net Total	13,81,060	14,45,249	64,188	13,81,060	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue...	24,649	36,425	11,776	24,649	
Leave and Pension Allowances	84,159	35,683	1,524	84,159	
Total	58,808	72,108	13,300	58,808	
Grand Total	14,39,868	15,17,356	77,488	14,39,868	

Revised Estimate sanctioned in the Secretary of State's Despatch No. 20-P.W., dated 13th July 1916, communicated to Government of India's No. 691-L, dated 8th August 1916. With Government Resolution No. W. 1-2211, dated 15th October 1916. ... Rs. 15,17,356
Note.—From the sanctioned provision of Establishment Rs. 387 have been transferred to that of Tools and Plant, para 2 of Government Resolution No. 2225, dated 18th October 1916.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

EASTERN NARA WORKS.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1938.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—WORKS.					
(1)—Head Works.					
B. Land	Rs. 1,638	Rs. ...	Rs. 1,638	Rs. 1,638	Rs. 1,638
C. Works	12,33,300	...	12,33,300	12,33,300	12,33,300
K. Buildings	1,862	...	1,862	1,862	1,862
Total, Head Works	12,36,800	...	12,36,800	12,36,800	12,36,800
(2)—Main Canals and Branches.					
A. Preliminary Expenses	2,155	399	2,554	2,554	2,554
D. Regulators	2,57,668	...	2,57,668	2,57,668	2,57,668
G. Bridges	1,61,703	...	1,61,703	1,61,703	1,61,703
H. Escapes	45,632	...	45,632	45,632	45,632
K. Buildings	93,089	...	93,089	93,089	93,089
L. Earth-work	7,66,537	...	7,66,537	7,66,537	7,66,537
M. Plantations	16,742	...	16,742	16,742	16,742
N. Tanks and Reservoirs	1,441	...	1,441	1,441	1,441
O. Miscellaneous	32,121	...	32,121	32,121	32,121
Total, Main Canals and Branches	13,77,088	399	13,77,487	13,77,487	13,77,487
(3) Distributaries.					
A. Preliminary Expenses	3,837	13	3,910	2,839	1,521
B. Land	554	985	1,539	2,152	...
C. Works	2,65,645	845	2,66,490	2,63,930	2,80,575
L. Earth-work	1,04,897	7,176	1,12,073	1,15,861	19,513
O. Miscellaneous	28,876	1,002	29,878	27,508	8,587
Total, Distributaries	4,03,869	10,021	4,13,890	4,12,290	2,80,196
(4) Drainage and Protective Works.					
A. Preliminary Expenses	65,327	...	65,327	65,327	65,327
B. Land	2,832	...	2,832	2,832	2,832
C. Works	2,38,182	...	2,38,182	2,38,182	2,38,182
L. Earth-work	20,29,845	...	20,29,845	20,29,845	20,29,845
O. Miscellaneous	425	...	425	425	425
Total, Drainage and Protective Works	23,36,611	...	23,36,611	23,36,611	23,36,611
Total, I.—Works	53,54,368	10,420	53,64,788	53,63,188	52,11,094
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	2,72,326	407	2,72,733	} 13,41,195	{ 2,65,999
3. Executive	10,64,194	1,536	10,65,730		
5. Special Survey	3,830	1,052	4,882		
Total, II.—Establishment	13,40,350	2,995	13,43,345	13,41,195	13,08,958
III.—TOOLS AND PLANT					
	71,722	136	71,858	70,961	68,712
Grand Total	67,66,440	13,551	67,79,991	67,75,344	65,88,764
V.—Less—Receipts on Capital Account	176	...	176	176	176
Net Outlay	67,66,264	13,551	67,79,815	67,75,168	65,88,588
APPORTIONMENT.					
Chargeable to 49.—Irrigation	43,76,474	13,551	43,90,025	43,85,378	41,98,798
Chargeable to 43.—Minor Works and Navigation	23,89,790	...	23,89,790	23,89,790	23,89,790
Total	67,66,264	13,551	67,79,815	67,75,168	65,88,588

IRRIGATION BRANCH

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

EASTERN NARA WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,89,223	3,232	4,42,455	1. Head Works ...	9,516	504	10,080
3. Sales of water ...	2,516	185	2,731	2. Main Canals and Branches ...	1,07,021	37,906	2,34,000
5. Plantations ...		2,198		3. Distributaries ...	85,186	449	85,035
6. Other Canal Produce ...	2,04,916	6,605	2,18,748	4. Drainage and Protective Works ...	1,51,386	...	1,51,386
8. Navigation ...	4,203	642	4,851	Total ...	3,93,112	38,979	4,32,001
9. Rents of buildings ...	571	30	601	II.—MAINTENANCE AND REPAIRS.			
10. Fines ...	39,555	688	40,198	1. Head Works ...	2,12,823	10,803	2,23,626
11. Miscellaneous Receipts ...	5,74,356	4,795	5,79,151	2. Main Canals and Branches ...	20,13,670	57,548	20,71,227
Total ...	12,65,405	18,325	12,83,730	3. Distributaries ...	72,240	...	72,240
II.—INDIRECT RECEIPTS.				4. Drainage and Protective Works ...	7,03,620	16,802	7,80,422
Irrigation share of Land Revenue collected in the Civil Department.	1,05,70,316	6,57,014	2,62,27,391	Unclassified Outlay ...	5,86,057	...	5,86,057
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. L., dated respectively 20th June and 1st August 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	35,637	3,720	39,357	Total ...	35,98,419	65,153	36,83,572
Total ...	1,96,05,953	6,60,734	2,02,66,687	IV.—ESTABLISHMENT.			
Total, Receipts ...	2,08,71,357	6,79,059	2,15,50,416	1 & 2. Direction and Accounts ...	2,88,676	6,948	2,45,623
<i>Note.</i> —Loss to the canal on account of difference between assessment of water rates on Jâghir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-L., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				3. Executive ...	11,90,353	52,308	12,32,661
To end of 1915-1916, 5,61,629				Total ...	14,10,031	59,256	14,78,287
Less for 1916-1917... 20,741				V.—TOOLS AND PLANT ...	42,549	2,398	44,947
Total ... 5,82,270				VI.—REFUNDS OF REVENUE ...	8,042	...	8,042
Grand Total ...	2,08,71,357	6,79,059	2,15,50,416	Suspense Account ...	199	-170	29
				Total ...	54,61,352	1,85,618	56,46,968
				Share of Collection Charges in the Civil Department ...	15,44,871	39,676	15,84,547
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	2,25,330	8,296	2,33,626
				Total, Charges ...	72,31,553	2,33,588	74,65,141
				Balance Net Revenue ...	1,56,39,804	4,45,471	1,40,85,275
				Grand Total ...	2,08,71,357	6,79,059	2,15,50,416

N.B.—Construction Estimate closed on 31st March 1899—vide Government Resolution No. 1766, dated 18th November 1892, Completion Report approved in Government Resolution No. 439, dated 17th February 1913.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

EASTERN NA'RA WORKS.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 ...	97,01,069	Net Revenue realized to end of 1915-1916 ...	1,36,39,804
Interest charges for the year 1916-1917 ...	2,23,267	Do. during 1916-1917 ...	4,45,471
		Balance net Interest charges	1,40,85,275
Total ...	99,24,336	Total ...	41,60,339
			99,24,336

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue ...	2,669	415	3,084
2. Leave and Pension Allowances ...	2,31,602	419	2,32,021
Total ...	2,34,271	834	2,35,105
REVENUE—			
1. Capitalized abatement of Land Revenue ...	2	2	2
2. Leave and Pension Allowances ...	2,25,328	8,296	2,33,624
Total ...	2,25,330	8,296	2,33,626

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against Construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	48,30,172	3,80,922	52,11,094	1,53,694	1,52,094	-1,600	53,64,788	
Establishment ...	11,84,114	1,24,844	13,08,958	34,387	32,237	-2,150	13,49,345	
Tools and Plant...	50,880	17,832	68,712	3,146	2,249	-897	71,858	
Total ...	60,65,166	5,23,598	65,88,764	1,91,227	1,86,586	-4,647	67,79,991	
Less—Receipt on Capital Account ...	179	-3	176	...	...	...	176	
Net Total ...	60,64,987	5,23,601	65,88,588	1,91,227	1,86,580	-4,647	67,79,815	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	2,669	...	2,669	415	854	439	3,084	
Leave and Pension Allowances ...	2,09,728	17,480	2,27,208	4,813	4,513	-300	2,32,021	
Total ...	2,12,397	17,480	2,29,877	5,228	5,367	139	2,35,105	
Grand Total ...	62,77,384	5,41,081	68,18,465	1,96,455	1,91,947	-4,508	70,14,920	

Government of India, Public Works Department,
No. 1849-I, dated 16th December 1914, com-
municated in Government Resolution No. W. 1—
1021, dated 9th February 1915 ... Rs. 1,91,947

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

JÁMRÁO CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of Con- struction as now estimated. (Construction estimate closed on 31st March 1902.)	Expenditure against closed estimate.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—Head Works.					
A. Preliminary Expenses	3,578	1,160	4,738	4,740	1,710
B. Land ... ..	...	62	62	30,750	...
C. Works	14,99,642	1,51,217	16,50,859	17,08,019	13,72,526
K. Buildings	52,010	24,481	76,497	67,280	36,480
O. Miscellaneous	30,342	804	31,236	43,446	30,342
P. Maintenance	11,046	5,217	16,263	11,046	11,046
Total, Head Works	15,06,624	1,83,031	17,70,655	19,05,281	14,52,134
(2)—Main Canals and Branches.					
A. Preliminary Expenses	32,466	...	32,466	32,466	32,466
B. Land	25,269	...	25,269	25,269	25,269
D. Regulators	3,74,148	...	3,74,148	3,74,148	3,74,148
E. Fall and Weirs	85,625	...	85,625	85,625	85,625
F (1). Other Cross Drainage Works	1,83,594	...	1,83,594	1,83,594	1,83,594
G. Bridges	1,71,475	...	1,71,475	1,71,475	1,71,475
H. Escapes	44,222	...	44,222	44,222	44,222
K. Buildings	3,22,857	...	3,22,857	3,22,857	3,22,857
L. Earthwork	25,26,346	...	25,26,346	25,26,346	25,26,346
M. Plantations	45,869	...	45,869	45,869	45,869
O. Miscellaneous	57,290	...	57,290	57,290	57,290
P. Maintenance	26,088	...	26,088	26,088	26,088
Total, Main Canals and Branches	38,95,249	...	38,95,249	38,95,249	38,95,249
Carried over	54,91,873	1,83,031	56,74,904	57,60,530	53,47,383

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

JA'MRA'O CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of Con- struction as now estimated (Construction estimated close on 31st March 1902).	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
Brought forward ...	Rs. 54,91,873	Rs. 1,83,081	Rs. 56,74,904	Rs. 57,60,530	Rs. 58,47,383
(3)—Distributaries.					
A. Preliminary Expenses ...	9,165	...	9,165	9,165	9,165
B. Land ...	10,112	...	10,112	10,112	10,112
C. Works ...	3,49,280	...	3,49,280	3,49,280	3,49,280
L. Earthwork ...	7,36,022	...	7,36,022	7,36,022	7,36,022
O. Miscellaneous ...	71,875	-10,736	61,139	61,139	61,139
P. Maintenance ...	10,041	...	10,041	10,041	10,041
Total, Distributaries ...	11,86,495	-10,736	11,75,759	11,75,759	11,75,759
(4)—Drainage and Protective Works.					
A. Preliminary Expenses ...	363	...	363	363	363
C. Works ...	23,824	...	23,824	23,824	23,824
L. Earthwork ...	31,145	...	31,145	31,145	31,145
O. Miscellaneous ...	9,134	...	9,134	9,134	9,134
Total, Drainage and Protective Works ...	64,466	...	64,466	64,466	64,466
Total I.—Works ...	67,42,834	1,72,295	69,15,129	70,00,755	65,87,608
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	3,33,666	8,112	3,41,778	} 14,96,218	} 3,27,164
3. Executive ...	10,94,003	31,083	11,25,086		
4. Medical ...	8,453	...	8,453		
5. Special Survey ...	8,947	...	8,947		
Total, Establishment ...	14,45,069	39,195	14,84,264	14,96,218	14,14,003
III.—TOOLS AND PLANT ...	1,78,594	2,743	1,81,337	1,82,163	1,76,427
IV.—SUSPENSE ACCOUNTS ...	4,606	...	4,606	4,606	4,606
Grand Total ...	83,70,103	2,14,233	85,85,336	86,83,742	81,82,644
V.—Less—Receipts on Capital Account ...	981	...	981	981	981
Net Outlay ...	83,70,122	2,14,233	85,84,355	86,82,761	81,81,663
APPORTIONMENT.					
Chargeable to 49—Irrigation ...	83,70,122	2,14,233	85,84,355	86,82,761	81,81,663

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

JA'MRA'O CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,66,842	2,072	4,68,914	1. Head Works ...	...	187	187
3. Sales of water ...	166	42	198	2. Main Canals and Branches ...	12,970	3,089	16,068
4. Water supply of towns ...	5	...	5	3. Distributaries ...	69,586	3,766	73,342
5. Plantations ...	4,717	189	4,906	Total ...	82,556	7,012	89,567
6. Other canal produce ...	55,333	18,207	73,540	II.—MAINTENANCE AND REPAIRS.			
7. Water-power ...	18	...	18	1. Head Works ...	62,300	5,834	67,733
9. Rents of buildings ...	10,951	660	11,611	2. Main Canals and Branches ...	11,58,397	88,103	12,46,600
10. Fines ...	1,75,648	16,074	1,91,722	3. Distributaries ...	10,34,181	80,210	11,14,391
11. Miscellaneous Receipts ...	52,248	7,851	60,099	4. Drainage and Protective Works ...	1,024	...	1,024
Total ...	7,65,913	45,095	8,11,008	Total ...	22,56,001	1,78,718	24,29,714
II.—INDIRECT RECEIPTS.				III.—COMPENSATION ...	...	...	...
Irrigation share of Land Revenue collected in the Civil Department.	94,43,792	6,83,812	1,01,32,004	IV.—ESTABLISHMENT.			
4 per cent. on 2/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 69 and 58-A.L., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolutions No. 1309, dated 10th July, and No. 1913, dated 7th November 1889 ...	5,73,655	69,197	6,42,852	1 & 2. Direction and Accounts ...	1,33,000	9,720	1,42,728
Total ...	1,00,22,477	7,53,009	1,07,75,486	3. Executive ...	17,27,102	1,27,312	18,54,474
Total, Receipts ...	1,07,88,390	7,93,104	1,15,86,494	Total ...	18,60,171	1,37,041	19,97,212
Notes.— Loss to the canal on account of difference between assessment of water-rates on Jaghir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-L, dated 14th June 1889, communicated under Government Resolution No. 400, dated 11th August 1893.				V.—TOOLS AND PLANT ...	59,905	4,880	64,875
Rs.				Suspense Account ...	-4,098	1,572	-2,526
To end of 1916-1916 ...	1,79,253			Total ...	42,54,634	3,24,218	45,78,852
Loss for 1915-1916 ...	9,852			Share of Collection Charges in the Civil Department ...	3,03,942	21,227	3,25,169
Total ...	1,89,105			Indirect Charges debitable to Revenue Account as per Account No. 5 ...	2,61,353	19,189	2,80,539
Grand Total ...	1,07,88,390	7,98,104	1,15,86,494	Total, Charges ...	48,19,920	3,64,631	51,84,550
				Balance Net Revenue ...	59,68,461	4,33,173	64,01,634
				Grand Total ...	1,07,88,390	7,98,104	1,15,86,494

N.B.—Construction Estimate closed on 31st March 1902.—vide Government Resolution No. 1796, dated 28th August 1901.
Completion Report approved in Government Resolution No. 1706, dated 30th June 1903.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

JA'MRA'O CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.			Amount.	
	Rs.			Rs.	
Total Interest charges to end of 1915-1916 ..	52,53,485		Net revenue realized to end of 1915-1916 ...	59,63,461	
Interest charges for the year 1916-1917 ...	2,79,444		Do. , during 1916-1917 ...	4,33,473	
			Balance net interest charges ...	64,01,934	
Total ...	55,32,929		Total ...	8,69,005	
				55,32,929	

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.		1916-1917.		Total.	
	Rs.		Rs.		Rs.	
CAPITAL—						
1. Capitalized abatement of Land Revenue ...	48,924		.....		48,924	
2. Leave and Pension Allowances ...	2,02,309		5,487		2,07,796	
Total ...	2,51,233		5,487		2,56,720	
REVENUE—						
1. Capitalized abatement of Land Revenue ...	928		.....		928	
2. Leave and Pension Allowances ...	2,60,425		19,186		2,79,611	
Total ...	2,61,353		19,186		2,80,539	

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.								
Works ...	Rs. 64,74,083	Rs. 1,13,575	Rs. 65,87,608	Rs. 3,27,521	* Rs. 4,13,147	Rs. 85,626	Rs. 69,15,129	Estimate for constructing a flood diversion bund to protect the Nara Supply channel sanctioned in Government of India letter No. 196-I, dated 20th May 1915, communicated in Government Resolution, Public Works Department, No. W. I.—7159, dated 24th June 1915.
Establishment ...	11,51,054	2,62,949	14,14,003	70,261	82,215	11,954	14,84,264	
Tools and Plant ...	1,81,762	—5,335	1,76,427	4,910	5,736	826	1,81,337	
Suspense Accounts ...	53	4,553	4,606	...	...	...	4,606
Total ...	78,06,902	3,75,742	81,82,644	4,02,692	5,01,098	98,406	85,55,336	
Less—Receipts on Capital Account.	981	...	981	...	...	...	981
Net Total ...	78,05,921	3,75,742	81,81,663	4,02,692	5,01,098	98,406	85,84,355	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	35,896	13,028	48,924	...	15,375	15,375	48,924	
Leave and Pension Allowances ...	1,61,148	36,812	1,97,960	9,836	11,510	1,674	2,07,796	
Total ...	1,97,044	49,840	2,46,884	9,836	26,885	17,049	2,56,720	
Grand Total ...	80,02,965	4,25,582	84,28,547	4,12,528	5,27,983	1,15,455	88,41,075	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.
PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
49.—IRRIGATION WORKS.

DA'D CANAL.
 CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of Construction as now estimated. (Construction estimate closed on 31st March 1917.)	Expenditure against closed estimates.	
	Previous.	1916-17.	Total.			
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	
(2)—Main Canals and Branches.						
A. Preliminary Expenses ...	4,134	.....	4,134	4,134	4,134
B. Land ...	39,338	.....	39,338	39,338	39,338
D. Regulators ...	2,00,254	.....	2,00,254	2,00,254	2,00,254
G. Bridges ...	91,352	.....	91,352	91,352	91,352
H. Escapes ...	13,077	.....	13,077	13,077	13,077
K. Buildings ...	89,030	.....	89,030	89,030	89,030
L. Earth-work ...	14,18,551	.....	14,18,551	14,18,551	14,18,551
O. Miscellaneous ...	7,088	.....	7,088	7,088	7,088
Total, Main Canals and Branches ...	18,62,822	.....	18,62,822	18,62,822	18,62,822
(3)—Distributaries.						
B. Land ...	1,511	872	2,383	5,728	20	
C. Works ...	89,622	1,213	90,835	93,239	93,239	
L. Earth-work ...	1,00,216	116	1,00,332	1,04,564	24,564	
O. Miscellaneous ...	1,02,346	8,600	1,10,946	84,403	-2,812	
Total, Distributaries ...	2,93,695	10,801	3,04,496	2,88,004	85,052	
(4)—Drainage and Protective Works.						
L. Earth-work ...	14,590	.....	14,590	14,590	14,590
O. Miscellaneous ...	505	.....	505	505	505
Total, Drainage and Protective Works.	15,095	.....	15,095	15,095	15,095
Total, I.—Works ...	21,71,812	10,801	21,82,413	21,65,921	10,62,960	
II.—ESTABLISHMENT.						
1 & 2. Direction and Accounts ...	1,04,607	908	1,05,515	} 3,84,097	{ 98,846	
3. Executive ...	2,53,275	3,430	2,56,705			} 2,81,611
5. Special Survey ...	12,721	.....	12,721		
Total, Establishment ...	3,70,603	4,338	3,74,941	3,84,097	3,42,679	
III.—TOOLS AND PLANT ...	19,004	302	19,306	19,015	16,979	
Grand Total ...	25,61,219	15,441	25,76,660	25,60,033	23,22,625	
V.—Less—Receipts on Capital Account.	34	.....	34	34	34
Net Outlay ...	25,61,185	15,441	25,76,626	25,68,999	23,22,592	
APPORTIONMENT.						
Chargeable to 49—Irrigation ...	25,57,358	15,441	25,72,799	25,65,172	23,18,765	
Do, 43—Minor Works and Navigation ...	3,827	.....	3,827	3,827	3,827
Total ...	25,61,185	15,441	25,76,626	25,68,999	23,22,592	

IRRIGATION BRANCH.

BOMBAY PRESIDENCY

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

DA'D CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	12,309	—161	12,148	1. Head Works ...	1,447	...	1,447
5. Plantations ...	6,075	330	6,405	2. Main Canals and Branches ...	53,983	5,986	59,969
6. Other canal produce ...	904	194	1,098	3. Distributaries ...	...	252	252
9. Rents of buildings.	2,016	510	2,526	Average expenditure before improvement ...	—72,303	—4,608	—76,911
10. Fines ...	4,152	71	4,223	Total ...	—16,673	1,630	—15,243
11. Miscellaneous Receipts ...	11,500	186	11,686	II.—MAINTENANCE AND REPAIRS.			
Total ...	36,956	1,130	38,086	2. Main Canals and Branches ...	9,18,101	48,259	9,66,360
II.—INDIRECT RECEIPTS.				3. Distributaries ...	10,016	6,100	16,116
Irrigation share of Land Revenue collected in the Civil Department ...	17,97,971	2,01,980	19,99,951	Total ...	9,28,117	54,359	9,82,476
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 53-A.L., dated, respectively, 23rd June and 1st August 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	78,798	7,535	86,333	IV.—ESTABLISHMENT.			
Total ...	18,76,769	2,09,575	20,86,344	1 & 2. Direction and Accounts ...	46,814	2,918	49,732
Total, Receipts. ...	19,13,725	2,10,705	21,24,430	3. Executive ...	1,48,046	16,996	1,65,042
				Total ...	1,94,860	19,914	2,14,774
<i>Note.</i> —Loss to the canal on account of difference between assessment of water-rates on jaghit lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-L, dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				V.—TOOLS AND PLANT...	8,070	773	8,843
Rs.				VI.—REFUNDS OF REVENUE ...	77	—5	72
To end of 1915-1916. 3,00,374				Total ...	11,14,251	76,671	11,90,922
Loss for 1916-1917 ... 17,100				Share of Collection Charges in the Civil Department ...	87,982	12,135	1,00,117
Total ... 3,17,474				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	27,391	2,785	30,179
				Total, Charges ...	12,20,624	91,594	13,21,218
				Balance Net Revenue ...	6,84,101	1,19,111	8,03,212
Grand Total ...	19,13,725	2,10,705	21,24,430	Grand Total ...	19,13,725	2,10,705	21,24,430

N. B.—Construction Estimate closed on 31st March 1907, vide Government Resolution No. 2191, dated 17th August 1908. Completion Report approved in Government Resolution No. 1054, dated 30th April 1910.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
49.—IRRIGATION WORKS.

DA'D CANAL.
CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amounts			Amount.	
	Rs.			Rs.	
Total Interest charges to end of 1915-1916 ...	13,14,712		Net revenue realized to end of 1915-1916 ...	6,84,101	
			Do. during 1916-1917 ...	1,19,111	
Interest charges for the year 1916-1917 ...	84,681		Balance net Interest charges ...	8,03,212	
Total ...	13,99,393		Total ...	13,99,393	

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue ...	41,278	...	41,278
2. Leave and Pension Allowances ...	51,684	607	52,491
Total ...	93,162	607	93,769
REVENUE—			
1. Capitalized abatement of Land Revenue ...	111	...	111
2. Leave and Pension Allowances ...	27,280	2,788	30,068
Total ...	27,391	2,788	30,179

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	18,96,648	63,321	19,62,969	2,19,444	2,02,952	-16,492	21,82,413	
Establishment ...	3,16,668	26,015	3,42,678	32,263	41,419	9,156	3,74,941	
Tools and Plant ...	16,579	400	16,979	2,327	2,036	-291	19,306	
Total ...	22,32,890	89,736	23,22,626	2,54,034	2,46,407	-7,627	25,76,660	
Less—Receipts on Capital Account ...	34	...	34	...	...	...	34	
Net Total ...	22,32,856	89,736	23,22,592	2,54,034	2,46,407	-7,627	25,76,626	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	40,168	1,110	41,278	...	3,025	3,025	41,278	
Leave and Pension Allowances ...	44,333	3,642	47,975	4,516	5,799	1,283	52,491	
Total ...	84,501	4,752	89,253	4,516	8,824	4,308	93,769	
Grand Total ...	23,17,357	94,488	24,11,845	2,58,550	2,55,231	-3,319	26,70,305	

Revised Estimate of the Res. Distributory sanctioned by the Government of India under No. 912-L, dated 30th June 1914, communicated in Government Resolution No. W. 1-9017, dated 17th August 1914. Ex. 2,55,231

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

NASRAT CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account,	DIRECT CHARGES.			Cost of Construction as now estimated. (Construction estimate closed on 31st March 1907.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
<i>(2)—Main Canals and Branches.</i>					
A. Preliminary Expenses	1,653	...	1,653	1,653	1,653
B. Land	40,950	—9	40,941	40,941	40,941
D. Regulators	1,84,574	...	1,84,574	1,84,574	1,84,574
G. Bridges	67,852	...	67,852	67,852	67,852
K. Buildings	69,315	...	69,315	69,315	69,315
L. Earth-work	9,78,967	...	9,78,967	9,78,967	9,78,967
O. Miscellaneous	4,430	...	4,430	4,430	4,430
Total, Main Canals and Branches ...	13,47,741	—9	13,47,732	13,47,732	13,47,732
<i>(3)—Distributaries.</i>					
B. Land	576	...	576	576	576
C. Works	1,38,669	...	1,38,669	1,38,669	1,38,669
L. Earth-work	73,188	...	73,188	73,188	73,188
O. Miscellaneous	—4,932	—8,653	—13,585	—13,585	—13,585
Total, Distributaries ...	2,07,501	—8,653	1,98,848	1,98,848	1,98,848
<i>(4)—Drainage and Protective Works.</i>					
L. Earth-work	4,398	...	4,398	4,398	4,398
O. Miscellaneous	377	...	377	377	377
Total, Drainage and Protective Works ...	4,775	...	4,775	4,775	4,775
Total, I.—Works ...	15,60,017	—8,662	15,51,355	15,51,355	15,51,355
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	76,679	...	76,679	76,679	76,679
3. Executive	1,75,468	...	1,75,468	1,75,468	1,75,468
5. Special Survey	1,263	...	1,263	1,263	1,263
Total, Establishment ...	2,53,410	...	2,53,410	2,53,410	2,53,410
III.—TOOLS AND PLANT	6,875	...	6,875	6,875	6,875
Grand Total ...	18,20,302	—8,662	18,11,640	18,11,640	18,11,640
V.—Less—Receipts on Capital Account ...	158	...	158	158	158
Net Outlay ...	18,20,144	—8,662	18,11,482	18,11,482	18,11,482
APPORTIONMENT.					
Chargeable to 49.—Irrigation	18,20,144	—8,662	18,11,482	18,11,482	18,11,482

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

NASRAT CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	—541	380	—161	2. Main Canals and Branches ...	59,559	2,060	61,625
3. Sales of water ...	98	...	98	II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	2,153	199	2,352	2. Main Canals and Branches ...	8,15,439	84,947	9,00,386
6. Other canal produce ...	979	352	1,331	IV.—ESTABLISHMENT.			
8. Navigation ...	3	10	13	1 & 2. Direction and Accounts ...	55,950	5,025	60,975
9. Rents of buildings.	1,146	499	1,645	3. Executive ...	1,41,463	24,568	1,66,031
10. Fines ...	3,246	582	3,828	Total ...	1,97,413	29,533	2,27,006
11. Miscellaneous Receipts ...	2,851	301	3,152	V.—TOOLS AND PLANT ...	7,328	795	8,123
Total ...	9,935	2,323	12,258	Total ...	10,79,739	1,17,401	11,97,140
II.—INDIRECT RECEIPTS.				Share of Collection Charges in the Civil Department ...	1,16,250	12,212	1,28,468
Irrigation share of Land Revenue collected in the Civil Department ...	19,45,747	2,02,436	21,48,183	Indirect charges debitable to Revenue Account as per Account No. 5 ...	27,070	4,145	31,815
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 53-A. L. dated, respectively, 20th June and 1st August 1889, communicated in Government Resolutions No. 1299, dated 10th July, and No. 1913, dated 7th November 1889 ...	98,225	12,797	1,11,022	Total, Charges ...	12,23,665	1,33,758	13,57,423
Total ...	20,48,972	2,15,233	22,59,205	Balance Net Revenue ...	8,30,242	83,798	9,14,040
Total, Receipts ...	20,53,907	2,17,556	22,71,463	Grand Total ...	20,53,907	2,17,556	22,71,463
<i>Note.</i> —Loss to the canal on account of difference between assessment of water rates on Jaghir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I, dated 14th June 1889, communicated under Government Resolution No. 400, dated 11th August 1889.							
To end of 1915-1916... 23,357							
Loss for 1916-1917 ... 2,180							
Total ... 21,537							
Grand Total ..	20,53,907	2,17,556	22,71,463				

N. D.—Construction Estimate closed on 31st March 1907—vide Government Resolution No. 2191; dated 17th August 1908.
Completion Report approved in Government Resolution No. 1064, dated 30th April 1910.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
49.—IRRIGATION WORKS.

NASRAT CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.			Amount.	
	Rs.			Rs.	
Total Interest charges to end of 1915-1916. ...	8,55,551		Net revenue realized to end of 1915-1916 ...	8,80,242	
			Do. during 1916-1917 ...	83,798	
Interest charges for the year 1916-1917. ...	59,856			9,14,040	
Total ...	9,15,407		Balance net Interest charges ...	1,867	
			Total ...	9,15,407	

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—			
1. Capitalized abatement of Land Revenue ...	22,158	591	22,749
2. Leave and Pension Allowances ...	35,477	.....	35,477
Total ...	57,635	591	58,226
REVENUE—			
1. Capitalized abatement of Land Revenue ...	31	2	33
2. Leave and Pension Allowances ...	27,639	4,148	31,782
Total ...	27,670	4,145	31,815

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
DIRECT CHARGES.								
Works ...	15,71,638	20,283	15,51,355				15,51,355	
Establishment ...	2,23,469	29,941	2,53,410				2,53,410	
Tools and Plant ...	5,046	1,829	6,875				6,875	
Total ...	18,00,153	11,487	18,11,640				18,11,640	
Less—Receipts on Capital Account ...	158	...	158				158	
Net Total ...	17,99,995	11,487	18,11,482				18,11,482	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	15,098	7,651	22,749				22,749	
Leave and Pension Allowances ...	31,285	4,192	35,477				35,477	
Total ...	46,383	11,843	58,226				58,226	
Grand Total ...	18,46,378	23,330	18,69,708				18,69,708	

IRRIGATION BRANCH

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

NAULA'KHI CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.			Amount.	
	Rs.			Rs.	
Total Interest charges to end of 1915-1916 ...	2,269		Net revenue realized to end of 1915-1916 ...	...	...
Interest charges for the year 1916-1917 ...	169		Do. during 1916-1917 ...	...	...
Total ...	2,438		Balance not Interest charges ...	...	2,438
			Total ...	2,438	2,438

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.	
	Expenditure against construction Estimate.	Expenditure against open capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.			
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
DIRECT CHARGES.									
Works	4,876	9,72,019	9,67,143	4,876	Project sanctioned by the Secretary of State in Dispatch No. 61—P. W., dated 5th December 1906, communicated in Government of India's No. 5—1., dated 14th January 1906—vide Government Resolution No. W. I.—145 dated 30th item. The date for the construction of the work estimated for a further period of 5 years from 6th December 1910, vide Government of India's letter No. 1270—1., dated 21st December 1910, communicated in Government Resolution (P. W.) No. 79, dated 17th January 1911.	
Establishment	236	2,31,493	2,31,267	236		
Tools and Plant	14,423	14,423	...		
Total	5,112	12,17,935	12,12,823	5,112		
Less.—Receipts on Capital Account		
Net Total	5,112	12,17,935	12,12,823	5,112		
INDIRECT CHARGES.									
Capitalized abatement of Land Revenue	12,470	12,470	...		
Leave and Pension Allowances	33	32,149	32,116	33		
Total	33	44,619	44,586	33		
Grand Total	5,145	12,62,554	12,57,409	5,145		

N. B.—Last Capital Account detailed in the administrative accounts for 1903-1904.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

HA'ATHMATTI AND KHARI CUT CANALS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	3,76,263	28,419	9,04,682.	1. Head Works ...	11,299	...	11,299
3. Sales of water ...	1,289	44	1,333	2. Main Canals and Branches ...	51,859	2,382	54,241
4. Water-supply of towns ...	1,344	...	1,344	3. Distributaries ...	6,411	84	6,495
5. Plantations ...	55,194	246	59,836	Total ...	69,569	2,466	72,035
6. Other Canal Produce ...		4,393		...	II.—MAINTENANCE AND REPAIRS.		
9. Rents of Buildings ...	29	7	36	1. Head Works ...	61,770	9,653	71,423
10. Fines ...	353	6	359	2. Main Canals and Branches ...	2,69,972	9,700	2,79,672
11. Miscellaneous Receipts ...	20,690	1,421	22,111	3. Distributaries ...	70,612	3,282	73,894
Total ...	9,55,162	34,539	9,89,701	4. Drainage and Protective Works ...	4,402	...	4,402
II.—INDIRECT RECEIPTS.				Total ...	4,06,756	22,685	4,29,391
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	III.—COMPENSATION ...	3,615	...	3,615
Total, Receipts ...	9,55,162	34,539	9,89,701	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	21,302	1,130	22,932
				3. Executive ...	1,86,039	8,950	1,94,989
				Total ...	2,07,841	10,080	217,921
				V.—TOOLS AND PLANT ...	7,326	377	7,703
				Profit and Loss ...	186	...	186
				VI.—REFUNDS OF REVENUE ...	3,352	296	3,648
				Total ...	6,98,645	35,854	7,34,499
				Share of Collection Charges in the Civil Department ...	43,839	1,421	45,260
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	31,557	1,411	32,968
				Total, Charges ...	7,74,041	38,686	8,12,727
				Balance Net Revenue ...	1,81,121	-4,147	1,76,974
Grand Total ...	9,55,162	34,539	9,89,701	Grand Total ...	9,55,162	34,539	9,89,701

N. B.—Last Capital Account detailed in the Administrative Accounts for 1914-15 and No. 6 in the Administrative Accounts for 1915-16, Construction Estimate of the HATHMATTI Canal closed in 1883-84 and that of the KHARI CUT Canal closed on 31st March 1893—vide Government Resolution No. 1411, dated 12th September 1893, vide also Government Resolution No. 2902 of 10th December 1899, Completion Report of the KHARI CUT Canal approved in Government Resolution No. 683 of 16th April 1894.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.49.—IRRIGATION WORKS.
HA'THMATI AND KHARI CUT CANALS,
CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916.	9,80,813	Net revenue realized to end of 1915-1916.	1,81,121
		Do. during 1916-1917.	- 4,117
Interest charges for the year 1916-1917.	40,908	Balance net Interest charges ...	1,76,974
Total	10,21,721	Total ...	8,44,747
		Total ...	10,21,721

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue ...	825	.....	825
2. Leave and Pension Allowances ...	30,732	1,411	32,143
Total ...	31,557	1,411	32,968

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

LOWER PÁNJHRA RIVER WORKS.

TANK PROJECT.

No. 5.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	3,76,726	12,539	3,89,265	1. Head Works ...	1,376	52	1,428
3. Sales of water ...	440	...	440	2. Main Canals and Branches ...	19,388	1,499	20,887
5. Plantations ...	16,908	569	19,058	3. Distributaries ...	9,358	...	9,358
6. Other Canal Produce ...		1,581			Total ...	30,122	1,551	31,673
9. Rents of Buildings ...	20	...	20	II.—MAINTENANCE AND REPAIRS.			
10. Fines ...	498	5	503	1. Head Works ...	31,588	725	32,313
11. Miscellaneous Receipts ...	5,749	8	5,757	2. Main Canals and Branches ...	14,105	996	15,101
Total ...	4,00,341	14,702	4,15,043	3. Distributaries ...	69,721	533	70,254
				4. Drainage and Protective Works ...	2,728	...	2,728
II.—INDIRECT RECEIPTS.				Total ...	1,18,142	2,254	1,20,396
Irrigation share of Land Revenue collected in the Civil Department.	2,05,598	3,245	2,08,843	IV.—ESTABLISHMENT.			
Total, Receipts ...	6,05,939	17,947	6,23,886	1 & 2. Direction and Accounts ...	9,404	168	9,572
				3. Executive ...	86,187	1,521	87,708
				Total ...	95,591	1,689	97,280
				V.—TOOLS AND PLANT...	2,461	56	2,517
				Profit and Loss ...	19	...	19
				VI.—REFUNDS OF REVENUE...	3,896	...	3,896
				Suspense Account ...	140	...	140
				Total ...	2,50,371	5,550	2,55,921
				Share of Collection Charges in the Civil Department ...	52,576	1,368	53,944
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	13,866	269	14,135
				Total Charges ...	3,16,813	7,187	3,24,000
				Balance Net Revenue ...	2,89,126	10,760	2,99,886
Grand Total ...	6,05,939	17,947	6,23,886	Grand Total ...	6,05,939	17,947	6,23,886

N.B.—Last Capital Account detailed in the Administrative Accounts for 1898-99.
 Construction Estimate closed on 31st March 1896—vide Government Resolution No. 148, dated 31st January 1896.
 Completion Report approved in Government Resolution No. 1392, dated 3rd October 1896.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

LOWER PÁNJHRA RIVER WORKS.

TANK PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.			Amount.	
	Rs.			Rs.	
Total Interest charges to end of 1915-1916	7,66,858		Net revenue realized to end of 1915-1916 Do. during 1916-1917 ...	2,89,126	10,760
Interest charges for the year 1916-1917.	14,681		Balance net Interest charges ...	2,09,886	4,81,653
Total ...	7,81,539		Total ...	7,81,539	

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.		1916-1917.		Total.
	Rs.	Ra.	Rs.	Ra.	Rs.
REVENUE—					
1. Capitalized abatement of Land Revenue	61	33			94
2. Leave and Pension Allowances	13,805	236			14,041
Total ...	13,866	269			14,135

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

KADWA RIVER WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,79,869	28,179	5,08,048	1. Head Works ..	3,787	20	3,807
3. Sales of water ...	446	2	448	2. Main Canals and Branches ...	3,549	...	3,549
5. Plantations ...	18,615	27	20,913	3. Distributaries ...	342	...	342
5. Other canal produce ...		2,271					
9. Rents of buildings.	231	10	241	Total ...	7,678	20	7,698
10. Fines ...	639	4	643	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous receipts ...	5,708	431	6,139	1. Head Works ...	34,439	2,440	36,879
Total ...	5,05,508	30,924	5,36,432	2. Main Canals and Branches ...	1,24,239	4,166	1,28,405
				3. Distributaries ...	11,186	851	12,037
				Total ...	1,69,864	7,457	1,77,321
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	1 & 2. Direction and Accounts ...	12,932	330	13,262
Enhanced Land Revenue as per Government Resolution No. 428, dated 6th August 1875...	24,351	594	24,945	3. Executive ...	1,95,750	5,834	2,01,584
Total ...	24,351	594	24,945	Total ...	2,08,682	6,164	2,14,846
Total, Receipts ...	5,29,859	31,513	5,61,377	V.—TOOLS AND PLANT ...	5,061	110	5,171
Carried over ...	5,29,859	31,513	5,61,377	Carried over ..	3,91,285	13,751	4,05,036

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

KA'DVA RIVER WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ..	5,29,859	31,518	5,61,377	Brought forward...	8,91,285	13,751	4,05,033
				VI.—REFUNDS OF REVENUE ...	429	...	429
				Total ...	3,91,714	13,751	4,05,465
				Share of Collection Charges in the Civil Department .	24,134	1,410	25,544
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	30,183	863	31,046
				Total, Charges ...	4,46,031	16,024	4,62,055
				Balance Net Revenue ...	83,828	15,494	99,322
Grand Total ...	5,29,859	31,518	5,61,377	Grand Total ...	5,29,859	31,518	5,61,377

N. B.—Last Capital Account detailed in the Administrative Accounts for 1910-11. Construction Estimate closed on 31st March 1908—vide Government Resolution No. 2245, dated 26th August 1909. Completion Report approved in Government Resolution No. 1041, dated 29th April 1910.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 ...	10,78,519	Net revenue realized to end of 1915-1916 Do. during 1916-1917.	83,828 15,494
Interest charges for the year 1916-1917.	32,032	Balance net Interest charges ...	99,322 10,11,229
Total ...	11,10,551	Total ...	11,10,551

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue ...	11	.....	11
2. Leave and Pension Allowances ...	30,172	863	31,035
Total ...	30,183	863	31,046

IRRIGATION BRANCH

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

PRAVARA RIVER WORKS—LA'KH CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	57,100	989	58,089	1. Head Works ...	629	...	629
3. Sales of Water ...	43	3	46	2. Main Canals and Branches ...	86	...	86
5. Plantations ...	12,512	107	13,168	Total ...	715	...	715
6. Other Canal produce ...		549					
9. Rents of Buildings ...	80	4	84	II.—MAINTENANCE AND REPAIRS.			
10. Fines ...	150	16	166	1. Head Works ...	10,574	...	10,574
11. Miscellaneous Receipts...	696	15	711	2. Main Canals and Branches ...	1,34,821	1,356	1,36,177
Total ...	70,561	1,683	72,264	3. Distributaries ...	4,950	...	4,950
				Total ...	1,50,345	1,356	1,51,701
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	1 & 2. Direction and Accounts ...	10,819	61	10,880
Revenue from "Galper" land treated as Land Revenue—vide Government Resolution No. 1829, dated 21st November 1893 ...	5,526	225	5,751	3. Executive ...	1,37,249	870	1,38,119
Total ...	5,526	225	5,751	Total ...	1,48,068	931	1,48,999
Total, Receipts ...	76,107	1,908	78,015	V.—TOOLS AND PLANT ...	2,759	20	2,779
Carried over ...	76,107	1,908	78,015	Carried over ...	3,01,887	2,307	3,04,194

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

PRAVARA RIVER WORKS—LAKH CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	76,107	1,908	78,015	Brought forward ...	3,01,887	2,307	3,04,194
				VI.—REFUNDS OF REVENUE ...	110	...	118
				Total ...	3,02,003	2,307	3,04,310
				Share of Collection Charges in the Civil Department .	3,411	78	3,484
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	22,387	130	22,517
				Total, Charges ...	3,27,801	2,510	3,30,311
				Balance Net Revenue ...	2,51,694	—602	2,52,296
Grand Total ...	76,107	1,908	78,015	Grand Total ...	76,107	1,908	78,015

N.B.—Last Capital Account detailed in the Administrative Accounts for 1894-95.

Construction Estimate closed on 31st March 1894—vide Government Resolution No. 1707, dated 2nd November 1894.

Completion Report approved in Government Resolutions No. 87, dated 20th January 1890, and No. 1187, dated 17th August 1896.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.			Amount.	
	Rs.			Rs.	
Total Interest charges to end of 1915-1916 ...	6,45,219		Net revenue realized to end of 1915-16... Do. during 1916-17...	—2,51,694	—602
Interest charges for the year 1916-1917	11,618		Balance net Interest charges	9,09,133	
Total ...	6,56,837		Total ...	6,56,837	

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances ...	22,387	130	22,517

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as new estimated. (Construction estimate closed on 31st March 1897.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1) Head Works.					
A. Preliminary Expenses	8,391	...	8,391	8,391	8,391
B. Land	3,53,177	...	3,53,177	3,53,177	3,53,177
C. Masonry Works	28,90,673	...	28,90,673	28,90,673	28,90,673
K. Buildings	17,237	...	17,237	17,237	17,237
M. Plantations	3,059	...	3,059	3,059	3,059
O. Miscellaneous	820	...	820	820	820
P. Maintenance	1,231	...	1,231	1,231	1,231
Total, Head Works ...	32,74,638	...	32,74,638	32,74,638	32,74,638
(2) Main Canals and Branches.					
A. Preliminary Expenses... ..	2,828	...	2,828	2,828	2,828
B. Land	1,26,843	...	1,26,843	1,26,843	1,26,843
C (a). Regulators	37,342	...	37,342	37,342	37,342
C (c). River and Hill Torrent Works...	5,21,670	...	5,21,670	5,21,670	5,21,670
C (e). Bridges	1,02,670	...	1,02,670	1,02,670	1,02,670
C (f). Escapes	18,120	...	18,120	18,120	18,120
J. Mills	56,415	...	56,415	56,415	56,415
K. Buildings	10,111	...	10,111	10,111	10,111
L. Earth-work	9,89,763	...	9,89,763	9,89,763	9,89,763
M. Plantations	16,011	...	16,011	16,011	16,011
O. Miscellaneous	1,868	...	1,868	1,868	1,868
P. Maintenance	4,566	...	4,566	4,566	4,566
Total, Main Canals and Branches ...	18,88,207	...	18,88,207	18,88,207	18,88,207
Carried over ...	51,62,845	...	51,62,845	51,62,845	51,62,845

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TODA TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1917.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	51,62,845	...	51,62,845	51,62,845	51,62,845
(3) Distributaries.					
A. Preliminary Expenses ...	6,740	...	6,740	6,740	6,740
B. Land ...	5,666	...	5,666	5,666	5,666
C. Masonry Works ...	2,82,202	38,908	3,01,110	2,82,087	1,28,387
L. Earth-work ...	78,961	...	78,961	78,961	78,961
M. Plantations ...	407	...	407	407	407
O. Miscellaneous ...	8,15,513	(a) —13,954	8,01,559	8,01,559	8,01,559
Total, Distributaries ...	11,64,489	24,954	11,89,443	11,70,420	10,16,720
(4) Drainage and Protective Works.					
B. Land ...	7,328	...	7,328	7,328	7,328
L. Earth-work ...	1,188	...	1,188	1,188	1,188
Total, Drainage and Protective Works.	8,516	...	8,516	8,516	8,516
Total, I.—Works ...	63,35,850	24,954	63,60,804	63,41,781	61,88,081
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	2,79,805	1,751	2,81,556	} 11,17,213	{ 2,73,784
3. Executive ...	8,54,955	6,615	8,61,570		
4. Medical ...	146	...	146		
Total, II.—Establishment ...	11,34,906	8,366	11,43,272	11,17,213	11,00,136
III.—TOOLS AND PLANT ...	1,27,540	583	1,28,123	1,26,806	1,26,533
IV.—SUSPENSE ACCOUNTS ...	—1,136	...	—1,136	—1,136	—1,136
Grand Total ...	75,97,160	33,903	76,31,063	75,81,104	74,18,614
V.—Less Receipts on Capital Account.	12,328	...	12,328	12,328	12,328
Net Outlay ...	75,84,832	33,903	76,18,735	75,71,836	74,06,286
Apportionment.					
Chargeable to—					
49.—Irrigation ...	57,98,412	...	57,98,412	57,98,412	57,98,412
43.—Minor Works and Navigation.	17,86,420	33,903	18,20,323	17,73,424	16,07,874
Total ...	75,84,832	33,903	76,18,735	75,71,836	74,06,286

(a) Expenditure incurred on the Experimental Paterson Filter during the year 1914-15 has now been written back as per Government Order No. A.—3576, dated 31st March 1917, and debited to—

	Rs.
1. Experimental Paterson Filter Plant in the Poona Cantonment Water Works compound—45—Civil Works—Provincial ...	9,614
2. Maintenance and Repairs—Poona Water Supply—42—Major Works—Working Expenses ...	190
3. Dapuri Central Stores—45—Civil Works—Provincial ...	4,260
	<u>13,954</u>

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MATOBA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	55,54,655	2,29,517	57,84,172	1. Head Works ...	27,264	496	27,760
3. Sales of water ...	91,487	11,692	1,03,179	2. Main Canals and Branches ...	29,402	2,596	31,998
4. Water-supply of townships ...	42,42,946	1,63,696	44,12,642	3. Distributaries ...	79,506	...	79,505
5. Plantations ...		2,652		4. Drainage and Protective Works ...	4,270	401	4,671
6. Other canal produce ...	1,15,070	3,610	1,21,680	Total ...	1,40,441	3,493	1,43,934
7. Water power ...	64,800	...	64,800	II.—MAINTENANCE AND REPAIRS.			
8. Navigation ...	20	9	29	1. Head Works ...	1,12,687	4,865	1,17,052
9. Rents of buildings ...	4,798	199	4,997	2. Main Canals and Branches ...	6,61,796	20,424	6,82,220
10. Fines ...	157	16	172	3. Distributaries ...	8,58,410	67,704	9,26,114
11. Miscellaneous receipts ...	1,79,245	10,008	1,89,248	4. Drainage and Protective Works ...	...	110	110
Total ...	1,02,53,778	4,27,393	1,06,81,171	Total ...	16,32,893	92,603	17,25,496
II.—INDIRECT RECEIPTS.				III.—COMPENSATION ...	494	...	494
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	IV.—ESTABLISHMENT.			
Irrigation share on account of percolation from the Canal—vide Government Resolutions Nos. 1159 and 1539, dated, respectively 21st July and 29th September 1892 ...	1,008	...	1,008	1 & 2. Direction and Accounts ...	1,16,005	3,144	1,19,149
Total ...	1,008	...	1,008	3. Executive ...	11,41,541	51,987	11,93,528
Total, Receipts ...	1,02,54,786	4,27,393	1,06,82,179	Total ...	12,57,546	55,131	13,12,677
				V.—TOOLS AND PLANT ...	1,40,826	5,520	1,46,146
Carried over ...	1,02,54,786	4,27,393	1,06,82,179	Carried over ...	31,72,000	1,56,747	33,28,747

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TODA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	1,02,54,786	4,27,393	1,06,82,179	Brought forward ...	31,72,000	1,56,747	33,28,747
				VI.—REFUNDS OF REVENUE .	22,087	60	22,147
				Total ...	31,94,087	1,56,807	33,50,894
				Share of Collection Charges in the Civil Department .	2,75,431	11,328	2,86,759
				Indirect Charges debitablc to Revenue Account as per Account No. 5 ...	1,80,813	7,718	1,88,531
				Total, Charges ...	36,50,331	1,75,853	38,26,184
				Balance Net Revenue ...	66,04,455	2,51,540	68,55,995
Grand Total ...	1,02,54,786	4,27,393	1,06,82,179	Grand Total ...	1,02,54,786	4,27,393	1,06,82,179

N.E.—Construction Estimate of the Mutha Canal closed on 31st March 1897—vide Government Resolution No. 710, dated 13th May 1897; and that of the Mátoba Tank on 31st March 1892—vide Government Resolution No. 1411, dated 12th September 1892. Completion Report of the Mutha Canal approved in Government Resolution No. 2241 of 30th October 1901 and that of the Mátoba Tank in Government Resolution No. 827 of 17th May 1894.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 ...	1,05,05,550	Net revenue realized to end of 1915-1916 ...	66,04,455
Interest charges for the year 1916-1917.	2,50,585	Do. ... during 1916-1917.	2,51,540
		Balance net Interest charges ...	68,55,995
			39,00,140
Total ...	1,07,56,135	Total ...	1,07,56,135

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars,	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	93,528	.....	93,528
2. Leave and Pension Allowances	2,06,803	1,171	2,07,974
Total ...	3,00,331	1,171	3,01,502
REVENUE—			
2. Leave and Pension Allowances	1,80,813	7,718	1,88,531

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars,	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.	
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.			
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
DIRECT CHARGES.									
Works ...	54,32,020	7,56,061	61,88,081	1,72,723	1,53,700	—19,023	68,60,804	Government Resolution (Public Works Department), No. A. I.-1916, dated 4th December 1916.	
Establishment ...	10,12,260	93,876	11,06,136	37,136	11,077	—26,059	11,43,272		
Tools and Plant ...	1,19,987	5,546	1,25,533	2,590	773	—1,817	1,28,123		
Suspense Accounts ...	...	—1,136	—1,136	...	...	...	—1,136
Total ...	65,64,267	8,54,347	74,18,614	2,12,449	1,65,550	—46,899	76,31,063		
Less—Receipts on Capital Account ...	12,334	94	12,328	...	...	...	12,328
Net Total ...	65,52,033	8,54,253	74,06,286	2,12,446	1,65,550	—46,899	76,18,735		
INDIRECT CHARGES.									
Capitalized abatement of Land Revenue ...	53,776	34,752	93,528	...	...	...	93,528
Leave and Pension Allowances... ..	1,89,546	13,229	2,02,775	5,199	1,550	—3,649	2,07,974		
Total ...	2,48,322	47,981	2,96,303	5,199	1,550	—3,649	3,01,502		
Grand Total ..	68,00,355	9,02,234	77,02,589	2,17,645	1,67,100	—50,548	79,20,237		

NOTE.—Excess over estimate has been dealt with in the Revised Estimate sent to the Government of India for sanction.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

EKUR TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	5,75,507	21,365	5,96,872	1. Head Works ...	5,052	...	5,052
3. Sales of water ...	2,68,338	33,135	3,01,473	2. Main Canals and Branches ...	43,884	280	44,164
4. Water-supply of towns... ..	2,37,695	12,677	2,50,372	3. Distributaries ...	1,075	...	1,075
5. Plantations ...		900					
6. Other Canal produce ...	1,47,885	5,059	1,52,944	Total ...	50,011	280	50,291
9. Rents of Buildings ...	310	36	346				
11. Miscellaneous Receipts ...	25,823	408	26,231	II.—MAINTENANCE AND REPAIRS.			
Total ...	12,55,008	73,580	13,28,588	1. Head Works ...	87,391	1,813	89,204
				2. Main Canals and Branches ...	2,45,185	4,180	2,49,365
II.—INDIRECT RECEIPTS.				3. Distributaries ...	5,008	174	5,182
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	Total ...	3,38,482	6,126	3,44,608
Total, Receipts ...	12,55,008	73,580	13,28,588	III.—COMPENSATION ...	69	...	69
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	29,957	280	30,237
				3. Executive ...	2,12,231	4,008	2,16,239
				Total ...	2,42,188	4,297	2,46,485
				V.—TOOLS AND PLANT ...	6,896	90	6,986
Carried over ...	12,55,008	73,580	13,28,588	Carried over ...	6,37,646	10,799	6,48,445

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

EKBUK TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	12,55,008	73,580	13,28,588	Brought forward ...	6,37,646	10,799	6,48,445
				VI.—REFUNDS OF REVENUE.	1,145	12	1,157
				Suspense Account ...	—71	...	—71
				Total ...	6,38,720	10,811	6,49,531
				Share of Collection Charges in the Civil Department...	30,731	1,068	31,799
				Indirect Charges debitabie to Revenue Account as per Account No. 5 ...	37,882	602	38,484
				Total Charges ...	7,07,333	12,481	7,19,814
				Balance Net Revenue ...	5,47,675	61,099	6,08,774
Grand Total ...	12,55,008	73,580	13,28,588	Grand Total ...	12,55,068	73,580	13,28,588

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-1896.

Construction Estimate closed on 31st March 1891—*vide* Government Resolution No. 1253, dated 28th July 1891.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 ...	21,85,128	Net revenue realized to end of 1915-1916 ...	5,47,675
Interest charges for the year 1916-1917.	40,484	Do. during 1916-1917.	61,099
		Balance net Interest charges ...	6,08,774
			16,16,838
Total ...	22,25,612	Total ...	22,25,612

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE— 2. Leave and Pension Allowances...	37,882	602	38,484

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1909).	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—Head Works.					
A. Preliminary Expenses ..	633	...	633	633	633
C. Works ...	2,08,416	1,560	2,04,976	2,07,072	1,45,880
K. Buildings ...	1,430	...	1,430	1,430	1,430
Total, Head Works ...	2,05,479	1,560	2,07,039	2,09,125	1,47,952
(2)—Main Canals and Branches.					
A. Preliminary Expenses ...	1,649	...	1,649	1,649	1,649
B. Land ...	16,740	...	16,740	16,740	16,740
F. River and Hill Torrent Works ...	1,95,671	...	1,95,671	1,95,671	1,95,671
G. Bridges ...	32,208	...	32,208	32,208	32,208
K. Buildings ...	12,100	...	12,100	12,100	12,100
L. Earth-work ...	2,32,717	...	2,32,717	2,32,717	2,32,717
M. Plantations ...	882	...	882	882	882
O. Miscellaneous ...	513	...	513	513	513
P. Maintenance ...	3,423	...	3,423	3,423	3,423
Total, Main Canals and Branches ...	4,95,903	...	4,95,903	4,95,903	4,95,903
(3)—Distributaries.					
B. Land ...	562	...	562	562	562
C. Works ...	16,279	...	16,279	16,279	16,279
L. Earth-work ...	12,442	...	12,442	12,442	12,442
M. Plantations ...	2,897	...	2,897	2,897	2,897
Total, Distributaries ...	32,180	...	32,180	32,180	32,180
Total, I.—Works ...	7,33,562	1,560	7,35,122	7,37,218	6,76,035
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	86,615	70	86,685	1,55,459	83,080
3. Executive ...	1,18,320	265	1,18,585		
Total, Establishment ...	1,54,935	335	1,55,270	1,55,459	1,42,520
III.—TOOLS AND PLANT					
... ..	2,544	24	2,568	2,585	1,882
Grand Total ...	8,91,041	1,919	8,92,960	8,95,262	8,20,237
V.—Less—Receipts on Capital Account.					
...
Net Outlay ...	8,91,041	1,919	8,92,960	8,95,262	8,20,237
<i>Apportionment.</i>					
Chargeable to 49.—Irrigation ...	8,18,545	...	8,18,545	8,18,545	8,18,545
Chargeable to 43.—Minor Works and Navigation ...	72,496	1,919	74,415	76,717	1,692
Total ...	8,91,041	1,919	8,92,960	8,95,262	8,20,237

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	15,26,916	{ 83,395 {(a)2,828	16,16,130	1. Head Works ...	1,789	...	1,789
3. Sales of water...	66	...	66	2. Main Canals and Branches ...	4,841	...	4,841
4. Water-supply of towns ...	6,232	...	6,232	3. Distributaries... ..	565	...	565
5. Plantations ...	...	...	...	Total ...	7,195	...	7,195
6. Other Canal produce ...	79,978	{ ... { 2,772	82,750	II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings ...	2,396	120	2,516	1. Head Works ...	15,262	60	15,322
11. Miscellaneous Receipts ...	385	7	392	2. Main Canals and Branches ...	3,06,243	6,417	3,12,660
Total ...	16,17,973	89,122	17,07,095	3. Distributaries... ..	25,012	...	25,012
				4. Drainage and Protective Works ...	895	...	895
II.—INDIRECT RECEIPTS.				Total ...	3,46,912	6,477	3,53,389
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	III.—COMPENSATION ...	19,011	(a) 404	19,415
Total, Receipts ...	16,17,973	89,122	17,07,095	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	16,479	291	16,770
				3. Executive ...	2,08,778	2,916	2,11,688
				Total ...	2,25,257	3,201	2,28,458
				V.—TOOLS AND PLANT ...	4,953	97	5,050
Carried over ...	16,17,973	89,122	17,07,095	Carried over ...	6,63,325	10,179	6,13,507

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	16,17,973	89,122	17,07,095	Brought forward ..	6,03,828	10,170	6,18,507
(a) Amount adjusted by credit to water-rates and debit per <i>cents</i> on account of the following charges recovered by the Native States from water-rate collection:—				VI.—REFUNDS OF REVENUE	1,471	1	1,472
Loss of assessments on account of land taken up for the Canals, debited to III.—Compensation—				Total ...	6,04,799	10,180	6,14,970
Rs.				Share of Collection Charges in the Civil Department }	95,041	{ 8,048	{ 1,00,613
Sangli State ... 252				Indirect charges debitable to Revenue Account as per Account No. 5 ...	37,885	448	37,833
Pant Pratinidhi... 152				Total, Charges ...	7,37,225	16,100	7,53,325
404				Balance Net Revenue ...	8,80,748	73,022	9,53,770
Collection charges—				Grand Total ...	16,17,973	89,122	17,07,095
Pant Pratinidhi—							
Rs.							
For recovery of water-rates . 2,187							
f Sangli State—							
For recovery of water-rates . 287							
2,424							
Total ... 2,828							
Grand Total ...	16,17,973	89,122	17,07,095	Grand Total ...	16,17,973	89,122	17,07,095

N.B.—Construction Estimate closed on 31st March 1892, vide Government Resolution No. 777, dated 14th May 1892. Completion Report approved in Government Resolution No. 119, dated 22nd January 1894.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.			Amount.	
	Rs.	Rs.		Rs.	Rs.
Total Interest charges to end of 1915-1916 ...	15,29,116		Net revenue realized to end of 1915-1916 ...	8,80,748	
Interest charges for the year 1916-1917.	23,404		Do. ... during 1916-1917.	73,022	
Total ...	15,58,520		Balance net Interest charges ...	9,53,770	
			Total ...	6,04,750	
			Total ...	15,58,520	

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—			
1. Capitalized abatement of Land Revenue ...	Rs. 21,822	Rs.	Rs. 21,822
2. Leave and Pension Allowances ...	29,613	47	29,660
Total ...	51,435	47	51,482

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.—continued.

Particulars.	Previous.	1915-1916.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	64	.....	64
2. Leave and Pension Allowances	37,821	448	37,769
Total ... *	37,885	448	37,833

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	6,80,941	15,094	6,76,035	59,087	61,183	2,096	7,35,122	Estimate sanctioned in Government of India, Public Works Department, No. 333-I, dated 30th March 1916, communicated in Government Order No. W.I.-4725 (Public Works Department), dated 4th May 1916.
Establishment ...	1,39,464	3,056	1,42,520	12,750	12,939	189	1,55,270	
Tools and Plant ...	1,682	...	1,682	886	903	17	2,568	
Suspense Accounts ...	...	...	...	...	...	...	...
Total ...	8,02,087	18,150	8,20,237	72,723	75,025	2,302	8,92,960	
Less—Receipts on Capital Account ...	...	...	...	...	...	...	...
Net Total ...	8,02,087	18,150	8,20,237	72,723	75,025	2,302	8,92,960	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	17,222	4,600	21,822	...	...	...	21,822
Leave and Pension Allowances ...	27,416	428	27,874	1,786	1,811	25	29,660	
Total ...	44,668	5,028	49,696	1,786	1,811	25	51,482	
Grand Total ...	8,46,755	23,178	8,69,933	74,509	76,836	2,327	9,44,442	

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

SUKKUR CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	40,856	1,290	42,136	1. Head Works ...	15,425	...	15,425
5. Plantations ...	19,072	1,625	20,705	2. Main Canals and Branches ...	1,32,680	575	1,33,261
6. Other canal produce ...				4,473	12	4,485	3. Distributaries ...	863	...	863
9. Rents of Buildings.	5,188	225	5,413	Total ...	1,48,974	575	1,49,549
10. Fines ...	33,227	324	33,551				
11. Miscellaneous Receipts ...				II.—MAINTENANCE AND REPAIRS.			
Total ...	1,02,816	3,474	1,06,290	1. Head Works ...	6,627	...	6,627
				2. Main Canals and Branches ...	14,73,098	43,909	15,17,007
II.—INDIRECT RECEIPTS.				Total ...	14,80,325	43,909	15,24,234
Irrigation share of Land Revenue collected in the Civil Department.	50,67,222	2,18,587	52,85,809	IV.—ESTABLISHMENT.			
4 per cent. on $\frac{2}{5}$ ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	16,371	845	17,216	1 & 2. Direction and Accounts ...	95,689	1,618	97,307
Total ...	50,83,593	2,19,432	53,03,025	3. Executive ..	3,48,462	7,788	3,56,250
				Total ...	4,44,151	9,406	4,53,557
Total, Receipts ...	51,86,409	2,22,906	54,09,315	V.—TOOLS AND PLANT ...	19,554	130	19,684
Carried over ...	51,86,409	2,22,906	54,09,315	Carried over ...	20,98,004	54,020	21,47,024

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

SUKKUB CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	51,86,409	2,22,906	54,09,315	Brought forward ...	20,98,004	54,020	21,47,024
				VI.—REFUNDS OF REVENUE ...	119	...	119
				Total ...	20,98,123	54,020	21,47,143
				Share of Collection Charges in the Civil Department ...	3,83,307	13,203	3,96,510
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	70,992	1,391	72,383
				Total, Charges ...	25,47,422	68,614	26,16,036
				Balance Net Revenue ...	26,38,987	1,54,292	27,93,279
				Grand Total ...	51,86,409	2,22,906	54,09,315

Note.—Loss to the canal on account of difference between assessment of water-rates on Jaghir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-L, dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :—

	Rs.
To end of 1916-1916.	2,32,522
Loss for 1916-1917 ...	8,051
Total ...	2,40,578

N. B.—Last Capital Account detailed in the Administrative Accounts for 1906-1906. Construction Estimate closed on 31st March 1896—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 569, dated 27th March 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue ...	3,027	74	3,101
2. Leave and Pension Allowances ...	67,965	1,317	69,282
Total ...	70,992	1,391	72,383

IRRIGATION BRANCH

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

GHAR CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.							
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	2,44,471	4,147	2,48,618	I.—EXTENSIONS AND IMPROVEMENTS.			
5. Plantations ...	63,994	50	65,949	1. Head Works ...	1,407	...	1,407
6. Other canal produce ...	19,316	1,905	20,483	2. Main Canals and Branches ...	3,68,331	7,577	3,75,908
9. Rents of Buildings ...	18,119	1,167	19,777	3. Distributaries ...	12,796	...	12,796
10. Fines ...	1,98,746	1,658	1,97,012				
11. Miscellaneous Receipts ...	1,98,746	-1,734	1,97,012	Total ..	3,82,534	7,577	3,90,111
Total ...	5,44,646	7,193	5,51,839				
II.—INDIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
Irrigation share of Land Revenue collected in the Civil Department.	2,81,95,649	8,29,365	2,90,25,014	2. Main Canals and Branches ...	39,65,842	1,42,318	41,08,160
4 per cent. on 5/8ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	1,25,786	7,605	1,33,391	3. Distributaries ...	15,075	...	15,075
Total ...	2,83,21,435	8,36,971	2,91,58,406	Total ..	39,81,517	1,42,818	41,23,835
Total, Receipts ...	2,88,66,081	8,44,164	2,97,10,245	III.—COMPENSATION.	108	...	108
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	2,35,890	4,775	2,40,485
				3. Executive ...	9,55,258	25,323	9,80,581
				Total ...	11,90,948	80,098	12,21,046
				V.—TOOLS AND PLANT ...	12,096	397	12,493
Carried over ...	2,88,66,081	8,44,164	2,97,10,245	Carried over ..	55,67,203	1,80,390	57,47,593

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

GHAR CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	2,88,66,081	8,44,164	2,97,10,245	Brought forward ...	55,67,203	1,80,390	57,47,593
<i>Note.</i> —Loss to the canal on account of difference between assessment of water-rates on Jāghir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 238-L, dated 14th June 1893, communicated under Government Resolution No. 400, dated 11th August 1893:— Rs. To end of 1915-1916. 11,78,135 Loss for 1916-1917... 36,278 Total ...12,14,408				VI.—REFUNDS OF REVENUE ...	184	...	184
				Total ...	55,67,387	1,80,390	57,47,777
				Share of Collection Charges in the Civil Department ...	23,22,179	49,882	23,72,061
				Indirect Charges debit-able to Revenue Account as per Account No. 5 ...	1,96,663	5,711	2,02,374
				Total, Charges ...	80,86,229	2,35,983	83,22,212
				Balance Net Revenue ...	2,07,79,662	6,08,181	2,13,88,033
				Grand Total ...	2,88,66,081	8,44,164	2,97,10,245

N.B.—Last Capital Account detailed in the Administrative Accounts for 1914-15. Construction Estimate closed on 31st March 1879.—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 297, dated 11th June 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue ...	14,174	1,497	15,671
2. Leave and Pension Allowances ...	1,82,489	4,214	1,86,703
Total ...	1,96,663	5,711	2,02,374

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

SUTTAH CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	Rs. 317	Rs. 21	Rs. 338	2. Main Canals and Branches	Rs. 3,479	Rs. ...	Rs. 3,479
6. Other canal produce ...	1,167	11	1,178	Average expenditure before improvement ...	—23,928	—1,994	—25,922
10. Fines ...	...	159	159	Total ...	—20,449	—1,994	—22,443
11. Miscellaneous Receipts ...	—39	—40	—79				
Total ..	1,445	151	1,596	II.—MAINTENANCE AND REPAIRS.			
II.—INDIRECT RECEIPTS.				2. Main Canals and Branches ...	1,19,476	7,042	1,26,518
Irrigation share of Land Revenue collected in the Civil Department ...	1,24,960	4,520	1,29,480				
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	4,438	749	5,187	IV.—ESTABLISHMENT.			
Total ...	1,29,398	5,269	1,34,667	1 & 2. Direction and Accounts,	2,893	68	2,961
Total, Receipts ...	1,30,843	5,420	1,36,263	3. Executive ...	4,823	2,217	7,040
				Total ...	7,716	2,280	9,970
<i>Note.</i> —Loss to the canal on account of difference between assessment of water-rates on higher lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 293-L, dated 14th June 1888, communicated under Government Resolution No. 400, dated 11th August 1888 :—				V.—TOOLS AND PLANT ...	—297	161	—136
Rs.				Total ...	1,06,446	7,489	1,13,935
To end of 1915-1916 ...	2,998			Share of Collection Charges in the Civil Department ...	7,358	281	7,639
Loss for 1916-1917 ...	449			Indirect Charges debitable to Revenue Account as per Account No. 5 ...	1,081	319	1,400
Total ...	3,447			Total, Charges ...	1,14,885	8,089	1,22,974
				Balance Net Revenue ...	15,958	—2,669	13,289
Grand Total ...	1,30,843	5,420	1,36,263	Grand Total ...	1,30,843	5,420	1,36,263

N.B.—Last Capital Account detailed in the Administrative Accounts for 1912-1913. Construction Estimate closed on 31st March 1910—vide Government Resolution No. 299, dated 5th February 1910. Completion Report approved in Government Resolution No. 950, dated 9th May 1911.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances ...	1,081	319	1,400

IRRIGATION BRANCH

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.

ALIDHAR KACHERI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	23,158	272	23,428	2. Main Canals and Branches ...	5,316	...	5,316
5. Plantations ...	3,627	81	3,708	4. Drainage and Protective Works ...	245	...	245
6. Other canal produce ...	128	1	129	Total ...	5,561	...	5,561
10. Fines ...	...	...	...	
11. Miscellaneous Receipts ...	3,142	147	3,289				
Total ...	30,053	501	30,554				
II.—INDIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
Irrigation share of Land Revenue collected in the Civil Department.	2,57,534	14,650	2,72,244	2. Main Canals and Branches ...	26,439	-2,552	23,887
4 per cent. on $\frac{1}{10}$ ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 53-A.I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	15,608	840	16,448	3. Distributaries ...	12,672	...	12,672
Total ...	2,73,202	15,490	2,88,692	Total ...	39,111	-2,552	36,559.
Total, Receipts ...	3,03,255	15,991	3,19,246	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	9,016	92	9,108
				3. Executive ...	11,588	73	11,661
				Total ...	20,604	165	20,769
				V.—TOOLS AND PLANT...	694	51	735
				VI.—REFUNDS OF REVENUE ...	19	...	19
				Total ...	65,979	-2,336	63,643
				Share of Collection Charges in the Civil Department ...	22,692	896	23,588
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	3,447	23	3,470
				Total, Charges ...	92,118	-1,417	90,701
				Balance Net Revenue ...	2,11,137	17,408	2,28,545
				Grand Total ...	3,03,255	15,991	3,19,246

N.B.—Last Capital Account detailed in the Administrative Accounts for 1877-78. Construction Estimate closed on 31st March 1876—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1229, dated 1st August 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances ...	3,447	23	3,470

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

MA'RAK GREAT CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts,	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	1,11,347	1,783	1,13,130	2. Main Canals and Branches ...	43,870	145	43,615
3. Sales of water ...	15	...	15	II.—MAINTENANCE AND REPAIRS.	1. Head Works ...	...	3,416
5. Plantations ...	17,357	1,319	18,676				
6. Other canal produce ...	...	...	...	
8. Navigation ...	124	...	124				
9. Rents of Buildings ...	143	...	143				
10. Fines ...	2,595	...	2,395				
11. Miscellaneous Receipts ...	13,031	483	13,514	2. Main Canals and Branches ...	4,40,302	11,275	4,51,577
Total ...	1,44,412	3,585	1,47,997	Total ...	4,43,718	11,275	4,54,993
II.—INDIRECT RECEIPTS				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	27,54,534	1,34,059	28,88,593	1 & 2. Direction and Accounts ...	28,080	775	28,855
4 per cent. on $\frac{2}{10}$ ths of the proceeds from sales of occupancy rights per Government of India Nos. 63 and 58 A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1208, dated 10th July, and No. 1918, dated 7th November 1889 ...	52,114	3,406	55,520	3. Executive ...	1,58,031	7,270	1,60,001
Total ...	28,06,648	1,37,465	29,44,113	Total ...	1,81,711	8,045	1,89,756
Total Receipts ...	29,51,060	1,41,050	30,92,110	V.—TOOLS AND PLANT ...	2,900	380	3,370
<i>N ote.</i> —Loss to the canal on account of difference between assessment of water-rates on jaghir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.—				VI.—REFUNDS OF REVENUE ...	40	...	40
To end of 1916-1916 ...	6,21,226			Total ...	6,71,838	19,845	6,91,683
Loss for 1916-1917 ...	20,893			Share of Collection Charges in the Civil Department ...	2,19,000	8,162	2,27,861
Total ...	6,42,119			Indirect Charges debitable to Revenue Account as per Account No 5 ...	27,513	1,126	28,639
Grand Total ...	29,51,060	1,41,050	30,92,110	Total, Charges ...	9,19,050	29,133	9,48,183
				Balance Net Revenue ...	20,32,010	1,11,917	21,43,927
				Grand Total ...	23,51,060	1,41,050	24,92,110

N.B.—Last Capital Account detailed in the Administrative Accounts for 1898-99. Construction Estimate closed on 31st March 1892 vide Government Resolution No. 1411, dated 12th September 1903. Completion Report approved in Government Resolution No. 1223, dated 1st August 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue ...	772	.....	772
2. Leave and Pension Allowances ...	28,741	1,126	27,867
Total ..	27,513	1,126	28,639

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

SARFRAZWAH CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	TOTAL.			Charges.	TOTAL.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	69,597	1,204	70,801	2. Main Canals and Branches ...	39,754	674	40,428
5. Plantations... ..	16,289	354	16,643				
6. Other canal produce ...	18	17	35	II.—MAINTENANCE AND REPAIRS.			
8. Navigation	173	1	174	2. Main Canals and Branches ...	3,15,311	6,706	3,22,017
10. Fines	6,273	364	6,637	4. Drainage and Protective Works ...	6,778	...	6,778
11. Miscellaneous Receipts... ..				Total ...	3,22,089	6,706	3,28,795
Total ...	92,350	1,940	94,290	IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts ...	25,450	562	26,012
Irrigation share of Land Revenue collected in the Civil Department ...	9,80,619	42,597	10,23,216	3. Executive ...	88,126	3,322	91,448
4 per cent. on $\frac{1}{4}$ the of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 53 A. I., dated respectively 20th June and 1st August, 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	25,543	1,294	26,837	Total ...	1,13,576	3,884	1,17,460
Total ...	10,06,162	43,891	10,50,053	V.—TOOLS AND PLANT...	1,511	176	1,687
Total Receipts ...	10,98,512	45,831	11,44,343	VI.—REFUNDS OF REVENUE ...	4	...	4
<i>Note.</i> —Loss to the canal on account of difference between assessment of water-rates on jagbir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I, dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Total ...	4,76,984	11,440	4,88,374
Rs.				Share of Collection Charges in the Civil Department ...	78,752	2,628	81,380
To end of 1915-1916...3,37,639				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	18,432	705	19,137
Loss for 1916-1917 ... 7,779				Total, Charges ...	5,74,118	14,773	5,88,891
Total... 3,45,418				Balance Net Revenue ...	5,24,304	31,058	5,55,452
Grand Total ...	10,98,512	45,831	11,44,343	Grand Total ...	10,98,512	45,831	11,44,343

N.B.—Last Capital Account detailed in the Administrative Accounts for 1881-82. Construction Estimate closed on 31st March 1876—vide Government Resolution No. 1411, dated 11th September 1893. Completion Report approved in Government Resolution No. 1229, dated 1st August 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue ...	1,117	161	1,278
2. Leave and Pension Allowances ...	17,315	544	17,859
Total ...	18,432	705	19,137

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

FULELI CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated. (Construction estimates closed on 31st March 1903.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—Head Works.					
C. Works	66,278	...	66,278	66,278	66,278
K. Buildings	4,012	...	4,012	4,012	4,012
Total, Head Works	70,290	...	70,290	70,290	70,290
(2)—Main Canals and Branches.					
A. Preliminary Expenses	43,303	...	43,303	43,303	43,303
B. Land	4,616	...	4,616	6,054	4,616
D. Regulators	2,07,664	8,791	2,11,455	2,14,734	2,07,664
G. Bridges	33,890	...	33,890	36,572	33,890
H. Escapes	2,44,313	...	2,44,313	2,44,313	2,44,313
K. Buildings	42,737	...	42,737	42,737	42,737
L. Earth-work	8,20,043	5,197	8,25,240	8,29,597	8,20,043
O. Miscellaneous	1,868	11	1,879	28,903	1,868
Total, Main Canals and Branches	13,98,434	8,999	14,07,433	14,46,218	13,98,434
(3)—Distributaries.					
B. Land	667	...	667	667	667
C. Works	65,540	...	65,540	65,540	65,540
L. Earth-work	32,160	...	32,160	32,160	32,160
Total, Distributaries	98,367	...	98,367	98,367	98,367
Total, I.—Works	15,67,091	8,999	15,76,090	16,14,870	15,67,091
II.—ESTABLISHMENT.					
1 & 2 Direction and Accounts	79,927	405	80,332	3,48,068	79,927
3. Executive	2,58,178	1,530	2,59,708		
4. Medical	.....	...	.....
5. Special Survey	.....	...	.....
Total Establishment	3,38,105	1,935	3,40,040	3,48,068	3,38,105
III.—TOOLS AND PLANT					
	8,754	135	8,889	9,449	8,754
IV.—SUSPENSE ACCOUNTS					

Grand Total	19,13,950	11,069	19,25,019	19,72,387	19,13,950
V.—LESS RECEIPTS ON CAPITAL ACCOUNT					
	504	...	504	504	504
Net Outlay	19,13,446	11,069	19,24,515	19,71,883	19,13,446
<i>Apportionment.</i>					
Chargeable to 43—Minor Works and Navigation	19,13,446	11,069	19,24,515	19,71,883	19,13,446

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

FULELI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	13,18,847	43,825	13,62,672	2. Main Canals and Branches. ...	2,68,526	88,302	3,06,828
3. Sales of water ...	2,734	155	2,889	3. Distributaries ...	450	9,986	10,436
5. Plantations ...	1,85,112	210	1,85,322				
6. Other canal produce ...	4,080		4,080	Total ...	2,68,976	48,288	3,17,264
8. Navigation ...	64,743		64,743	II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings.	4,728	1,002	5,730	1. Head Works ...	169		169
10. Fines ...	11,694	872	12,566	2. Main Canals and Branches ...	49,76,964	88,062	50,65,026
11. Miscellaneous Receipts ...	1,52,858	7,504	1,60,362	3. Distributaries ...	1,155		1,155
Total ...	16,90,716	57,648	17,48,364	Total ...	49,78,288	88,062	50,66,350
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	1,71,04,008	7,87,609	1,78,91,612	1 & 2. Direction and Accounts ...	3,15,484	8,449	3,23,933
4 per cent. on $\frac{9}{10}$ ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58 A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1918, dated 7th November 1889 ...	2,00,549	14,325	2,14,874	3. Executive ...	11,47,068	41,103	11,88,166
Total ...	1,73,04,557	8,01,934	1,81,06,491	Total ...	14,62,547	49,552	15,12,099
Total, Receipts ...	1,89,95,268	8,59,582	1,98,54,850	V.—TOOLS AND PLANT ...	34,707	2,175	36,882
Carried over ...	1,89,95,268	8,59,582	1,98,54,850	Carried over ...	67,44,515	1,88,077	69,32,595

IRRIGATION BRANCH

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

FULELI CANAL,

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ..	1,89,95,268	8,59,582	1,98,54,850	Brought forward ...	67,44,518	1,88,077	69,32,595
<i>Notes.</i> —Loss to the canal on account of difference between assessment of water-rates on jaghir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 293-L, dated 14th June 1893, communicated under Government Resolution No. 490, dated 11th August 1893. Rs. To end of 1915-1916 52,85,654 Loss for 1916-1917 2,12,220 Total ...54,97,874				VI.—REFUNDS OF REVENUE ...	3,714	...	3,714
				Suspense Account ...	...	—216	—216
				Total ...	67,48,232	1,87,861	69,36,093
				Share of Collection Charges in the Civil Department ...	14,86,848	50,180	14,86,078
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	2,48,181	7,291	2,55,472
				Total, Charges ...	84,83,259	2,45,282	86,78,541
				Balance Net Revenue ...	1,05,62,000	6,14,300	1,11,76,300
				Grand Total ...	1,89,95,268	8,59,582	1,98,54,850

N.B.—Construction Estimate closed on 31st March 1898—vide Government Resolution No. 1035, dated 27th June 1894. Completion Report approved in Government Resolution No. 1035, dated 27th June 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—			
1. Capitalized Abatement of Land Revenue ..	Rs. 1,4412	Rs.	Rs. 14,412
2. Leave and Pension Allowances ...	56,808	271	57,074
Total ...	71,215	271	71,486
REVENUE—			
1. Capitalized abatement of Land Revenue ...	16,803	354	16,657
2. Leave and Pension Allowances ...	2,31,878	6,937	2,38,815
Total ...	2,48,181	7,291	2,55,472

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

FULELI CANAL.

CANAL PROJECT.

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
DIRECT CHARGES.								
Works ...	9,84,801	5,82,290	15,67,091	8,999	47,779	38,780	15,76,090	
Establishment ...	2,00,468	1,37,637	3,38,105	1,935	9,963	8,028	3,40,040	
Tools and Plant ...	1,325	7,429	8,754	135	695	560	8,889	
Total ...	11,86,594	7,27,356	19,13,950	11,069	58,437	47,368	19,25,019	
Less—Receipts on Capital Account ...	21	483	504	...	...	...	504	
Net Total ...	11,86,573	7,26,873	19,13,446	11,069	58,437	47,368	19,24,515	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	6,800	7,612	14,412	...	592	592	14,412	
Leave and Pension Allowances ...	37,536	19,267	56,803	271	1,395	1,124	57,074	
Total ...	44,336	26,879	71,215	271	1,987	1,716	71,486	
Grand Total ...	12,30,909	7,53,752	19,84,661	11,340	60,424	49,084	19,96,001	

Government Resolution (Public Works Department), No. W.L.—1637, dated 9th February 1917.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.

HASANALIWAH.
CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	2,419	—88	2,331	2. Main Canals and Branches ...	20,882	874	21,756
5. Plantation ...	...	3	3				
6. Other canal produce ...	1,856	67	1,923	II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings ...	1	...	1	2. Main Canals and Branches ...	1,48,107	13,011	1,61,118
10. Fines ...	339	...	339				
11. Miscellaneous Receipts ...	2,945	504	3,449	IV.—ESTABLISHMENT.			
Total ...	7,560	486	8,046	1 & 2: Direction and Accounts ...	11,269	878	12,147
II.—INDIRECT RECEIPTS.				3. Executive ...	44,925	3,580	48,505
Irrigation share of Land Revenue collected in the Civil Department ...	4,46,018	47,324	4,93,342	Total ..	56,104	4,458	60,562
4 per cent. on $\frac{9}{10}$ ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58 A. L., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	4,159	617	4,776	V.—TOOLS AND PLANT ...	1,696	166	1,862
Total ...	4,50,177	48,441	4,98,618	Total ...	2,28,879	18,509	2,45,389
Total Receipts ...	4,57,737	48,927	5,06,664	Share of Collection Charges in the Civil Department ...	26,884	2,873	20,757
<i>Note</i> —Loss to the canal on account of difference between assessment of water-rates on jaghir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 238-I., dated 14th June 1889, communicated under Government Resolution No. 400, dated 11th August 1889.				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	7,867	624	8,491
To end of 1915-1916 ...	Rs. 19,658			Total, Charges ...	2,61,630	22,006	2,83,636
Loss for 1916-1917 ...	4,096			Balance Net Revenue ...	1,96,107	26,921	2,23,028
Total ...	23,754			Grand Total ...	4,57,737	48,927	5,06,664
Grand Total ...	4,57,737	48,927	5,06,664				

N.B.—Last Capital Account detailed in the Administrative Accounts for 1911-12. Construction Estimate closed on 31st March 1907—vide Government Resolution No. 1802, dated 15th July 1907. Completion Report approved in Government Resolution No. 1802, dated 15th July 1907.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances ...	7,867	624	8,491

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

WANGROLI TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated (construction estimate closed on 31st March 1909).	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—Head Works.					
A. Preliminary Expenses	403	...	403	403	403
B. Land	16,995	...	16,995	16,995	16,995
C. Masonry Works	5,715	...	5,715	5,715	5,715
K. Buildings	6,089	...	6,089	6,089	6,089
L. Earth-work	82,684	...	82,684	82,684	82,684
M. Plantations	134	...	134	134	134
O. Miscellaneous	1,286	...	1,286	1,286	1,286
P. Maintenance	197	...	197	197	197
Total, Head Works ...	1,13,503	...	1,13,503	1,13,503	1,13,503
(2)—Main Canals and Branches.					
A. Preliminary Expenses	272	...	272	272	272
B. Land	10,180	302	10,982	10,680	10,180
C(a). Regulators	8,233	...	8,233	8,233	8,233
C(b). Falls and Weirs	300	...	300	300	300
C(c). River and Hill Torrent Works	247	...	247	247	247
C(d). Other Cross Drainage Works	35,003	263	35,266	35,050	34,475
C(e). Bridges	7,865	—102	7,763	8,014	7,864
C(f). Escapes	208	...	208	208	208
L. Earth-work	23,501	1,808	24,809	25,022	23,272
M. Plantations	103	...	103	103	103
O. Miscellaneous	7,537	—15	7,522	7,932	7,477
P. Maintenance	977	...	977	977	977
Total, Main Canals and Branches ...	94,426	2,256	96,682	97,038	93,108
Total, I.—Works ...	2,07,929	2,256	2,10,185	2,10,541	2,06,611
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	6,123	65	6,188	27,853	6,063
3. Executive	21,272	247	21,519		
Total, II.—Establishment ...	27,395	312	27,707	27,853	27,116
III.—TOOLS AND PLANT	1,789	22	1,811	1,820	1,789
Grand Total ...	2,37,113	2,590	2,39,703	2,40,214	2,35,496
V.—Less—Receipts on Capital Account.	743	...	743	743	743
Net Outlay ...	2,36,370	2,590	2,38,960	2,39,471	2,34,753
APPORTIONMENT.					
Chargeable to 43.—Minor Works and Navigation	1,79,156	2,590	1,81,746	1,82,257	1,77,539
Do. 33.—Famine Relief	57,214	...	57,214	57,214	57,214
Total ...	2,36,370	2,590	2,38,960	2,39,471	2,34,753

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

WANGROLI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	29,758	1,398	31,156	1. Head Works ...	885	...	885
3. Sales of water ...	448	1,000	1,448	2. Main Canals and Branches... ..	4,554	1,374	5,928
5. Plantations ...	21	...	21	Total ...	4,930	1,374	6,310
6. Other Canal produce ...	177	181	358	II.—MAINTENANCE AND REPAIRS.			
9. Rents of buildings.	2	...	2	1. Head Works ...	30,430	405	30,925
11. Miscellaneous Receipts ...	3,356	210	3,566	2. Main Canals and Branches... ..	17,263	8,371	20,634
Total ...	33,763	2,789	36,551	Total ...	47,693	8,866	51,559
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	10,718	1,767	12,485	1 & 2. Direction and Accounts... ..	2,500	236	2,746
				3. Executive	18,000	1,868	19,868
				Total ...	20,500	2,104	22,613
				V.—TOOLS AND PLANT ...	1,101	79	1,180
				VI.—REFUNDS OF REVENUE	98	..	98
				Total ...	74,337	7,423	81,760
				Share of Collection Charges in the Civil Department	2,632	297	2,929
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,880	295	3,144
Total ...	10,718	1,767	12,485	Total, Charges ...	79,858	8,015	87,873
Total, Receipts ...	44,480	4,556	49,036	Balance Net Revenue...	-35,378	-3,459	-38,837
				Grand Total ...	44,480	4,556	49,036

N.B.—Construction Estimate closed on 31st March 1909—vide Government Resolution No. 902, dated 31st March 1909. Completion Report approved in Government Resolution No. 729, dated 19th March 1910.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

WANGROLI TANK.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue	46,225	...	46,225
2. Leave and Pension Allowances	3,836	44	3,880
Total	50,061	44	50,105
REVENUE—			
1. Capitalized Abatement of Land Revenue	19	.....	19
2. Leave and Pension Allowances	2,870	295	3,165
Total	2,889	295	3,184

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	Remarks.	
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.			
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
DIRECT CHARGES.									
Works	1,83,510	23,101	2,06,611	3,574	3,930	356	2,10,185	} Estimate sanctioned in Government Order (Public Work Department) W. L. 545, dated 15th January 1916—	
Establishment	23,033	4,083	27,116	591	737	146	27,707		
Tools and Plant	1,502	267	1,769	42	51	9	1,811		
Total	2,08,045	27,451	2,35,496	4,207	4,718	511	2,39,703		
Less—Receipts on Capital Account.	743	...	743	...	...	...	743
Net Total	2,07,302	27,451	2,34,753	4,207	4,718	511	2,38,960		
INDIRECT CHARGES.									
Capitalized Abatement of Land Revenue	28,460	17,765	46,225	...	750	750	46,225		
Leave and Pension Allowances	3,225	572	3,797	83	103	20	3,880		
Total	31,685	18,337	50,022	83	853	770	50,105		
Grand Total	2,38,987	45,788	2,84,775	4,290	5,571	1,281	2,89,065		

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.

TRANZA-NAGRAMA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	5,089	...	5,089	1. Head Works ...	1,901	628	2,529
5. Plantations ...	1	...	1	2. Main Canals and Branches ...	899	...	899
6. Other Canal produce ...	602	13	615	Total ...	2,800	628	2,928
10. Fines ...	18	...	18	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts ...	2,340	474	2,814	1. Head Works ...	11,668	843	12,511
Total ...	8,048	487	8,535	2. Main Canals and Branches ...	6,292	463	6,755
				Total ...	17,960	1,306	19,266
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department	459	60	519	1 & 2. Direction and Accounts ...	999	87	1,086
				3. Executive ...	7,852	600	8,452
Total, Receipts ...	8,507	547	9,054	Total ...	8,851	777	9,628
				V.—TOOLS AND PLANT ...	455	29	484
				VI.—REFUNDS OF REVENUE ...	194	5	199
				Total ...	29,760	2,745	32,505
				Share of Collection Charges in the Civil Department ...	352	6	358
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	1,277	109	1,386
				Total, Charges ...	31,389	2,860	34,249
				Balance Net Revenue ...	-22,882	-2,313	-25,195
Grand Total ...	8,507	547	9,054	Grand Total ...	8,507	547	9,054

N.B.—Last Capital Account detailed in the Administrative Accounts for 1913-1914. Construction Estimate closed on 30th June 1909—vide Government Resolution No. 2406, dated 12th October 1909. Completion Report approved in Government Resolution No. 1730, dated 6th August 1910.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue ...	38	.....	38
2. Leave and Pension Allowances ...	1,239	109	1,348
Total ...	1,277	109	1,386

N.B.—Last No. 6 Account detailed in the Administrative Accounts for 1914-1916.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.

SAVALI TANK.
TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	28,351	2,236	30,587	1. Head Works ...	2,002	95	2,187
3. Sales of water ...	...	20	20	2. Main Canals and Branches ...	406	931	1,387
6. Other Canal produce...	63	88	151	Total ...	2,498	1,076	3,574
10. Fines ...	14	...	14	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous receipts	2,468	440	2,903	1. Head Works ..	37,383	3,205	40,588
Total ...	30,891	2,784	33,675	2.. Main Canals and Branches ...	8,979	1,085	10,064
				Total ...	46,362	4,290	50,652
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	1 & 2. Direction and Accounts ...	2,238	241	2,479
				3. Executive ...	14,057	1,902	15,959
				Total ..	16,295	2,143	18,438
Total, Receipts ...	30,891	2,784	33,675	V.—TOOLS AND PLANT..	971	80	1,051
				VI.—REFUNDS OF REVENUE			
				... ..	48	...	48
				Total ..	65,174	7,589	73,763
				Share of collection Charges in the Civil Department ...	1,431	112	1,543
				Indirect Charges debit-able to Revenue Account as per Account No. 5 ...	2,731	300	3,031
				Total, Charges ..	70,336	8,001	78,337
				Balance Net Revenue ..	-39,445	-5,217	-44,662
Grand Total ...	30,891	2,784	33,675	Grand Total ..	30,891	2,784	33,675

N.B.—Last Capital Account detailed in the Administrative Accounts for 1912-13. Construction Estimate closed on 31st March 1910, vide Government Resolution No. 60, dated 12th January 1910. Completion Report approved in Government Resolution No. 2577, dated 15th March 1912.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue ...	449	.....	449
2. Leave and Pension Allowances ...	2,282	300	2,582
Total ...	2,731	300	3,031

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

SAHIAT TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	9,702	464	10,166	1. Head Works ...	2,170	270	2,440
5. Plantations ...	15	...	15	2. Main Canals and Branches ...	2,724	1,252	3,976
6. Other Canal produce ...	286	193	479	3. Distributaries ...	516	96	612
11. Miscellaneous Receipts ...	884	530	1,414	Total ...	5,410	1,618	7,028
Total ...	10,887	1,187	12,074	II.—MAINTENANCE AND REPAIRS.			
II.—INDIRECT RECEIPTS.				1. Head Works ...	33,501	1,857	35,358
Irrigation share of Land Revenue collected in the Civil Department	36	...	36	2. Main Canals and Branches ...	14,755	1,459	16,214
Total, Receipts ...	10,923	1,187	12,110	Total ...	48,256	3,316	51,572
				IV.—ESTABLISHMENT.			
				1. & 2. Direction and Accounts ...	2,486	222	2,708
				3. Executive ...	14,953	1,771	16,724
				Total ...	17,439	1,993	19,432
				V.—TOOLS AND PLANT ...	1,117	75	1,192
				VI.—REFUNDS OF REVENUE			
				...	1	...	1
				Total ...	72,313	7,002	79,315
				Share of Collection Charges in the Civil Department ...	488	23	511
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	2,443	279	2,722
				Total, Charges ..	244	7,304	82,548
				Balance Not Revenue ..	64,31	6,117	70,428
Grand Total ...	10,923	1,187	12,110	Grand Total ...	10,923	1,187	12,110

N.B.—Last Capital Account detailed in the Administrative Accounts for 1911-12. Construction Estimate closed on 21st March 1912—vide Government Resolution No. 2066, dated 18th October 1911. Completion Report approved in Government Resolution No. 10160, dated 7th October 1913.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances ...	2,443	279	2,722

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

SUKI RIVER.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	385	.....	385

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Work	12,212	...	-12,212	12,212	Undertaken as a Famine Relief Work and the famine outlay at normal rates has been adjusted during the year 1911-12. Outlay without an estimate approved in Government Resolution No. A.L.6022, dated 7th June 1913.
Establishment	2,749	...	-2,749	2,749	
Tools and Plant	178	...	-178	178	
Total	15,139	...	-15,139	15,139	
Less—Receipts on Capital Account...	
Net Total	15,139	...	-15,139	15,139	
INDIRECT CHARGES.								
Capitalized Abatement of Land Revenue	
Leave and Pension Allowances	385	...	-385	385	
Total	385	...	-385	385	
Grand Total	15,524	...	-15,524	15,524	

Note.—No. 2 Capital Account detailed in the Administrative Accounts for 1911-12.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.

FUTELAO TANK.
TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of Construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—WORKS.	Rs	Rs.	Rs.	Rs.	Rs.
(1)—Head Works.					
B. Land	6,886	630	7,466	7,466	7,466
C. Masonry Works	2,073	—23	2,050	2,050	2,050
K. Buildings	500	331	831	831	831
L. Earth-work	65,095	336	65,431	65,431	65,431
O. Miscellaneous	1,654	—17	1,637	1,637	1,637
Total, Head Works ...	76,158	1,257	77,415	77,415	77,415
(2)—Main Canals and Branches.					
B. Land	1,441	—630	811	811	811
C. Masonry Works	7,073	83	7,166	7,166	7,166
L. Earth-work	2,333	234	3,117	3,117	3,117
O. Miscellaneous	504	—181	323	323	323
Total, Main Canals and Branches ...	11,851	—444	11,407	11,407	11,407
Total, I.—Works ...	88,009	813	88,822	88,822	88,822
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	3,590	87	3,627	3,627	3,627
3. Executive	13,560	138	13,698	13,698	13,698
Total, II.—Establishment ...	17,150	175	17,325	17,325	17,325
III.—TOOLS AND PLANT	1,197	12	1,209	1,209	1,209
IV.—SUSPENSE ACCOUNTS ... ..	.....	...	.....	.....	.....
Loss by Exchange ... ..	.....	...	.....	.....	.....
Grand Total ...	1,06,356	1,000	1,07,356	1,07,356	1,07,356
V.—Less—Receipts on Capital Account	.....	...	.....	.....	.....
Net Outlay ...	1,06,356	1,000	1,07,356	1,07,356	1,07,356
APPORTIONMENT.					
Chargeable to 43.—Minor Works and Navigation ...	81,856	1,000	82,856	82,856	82,856
Do. 33.—Famine Relief ..	24,500	...	24,500	24,500	24,500
Total ..	1,06,356	1,000	1,07,356	1,07,356	1,07,356

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

FUTELAO TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
1. Water-rates from Irrigation ...	...	...	...	1. Head Works ...	...	791	791
5. Plantations ...	...	...	...	2. Main Canals and Branches ...	...	425	425
6. Other Canal produce. ...	27	33	60	Total ...	...	1,216	1,216
10. Fines ...	...	...	...	
11. Miscellaneous Receipts ...	60	120	180	IV.—ESTABLISHMENT.			
Total ...	87	153	240	1 & 2. Direction and Accounts ...	...	55	55
II.—INDIRECT RECEIPTS.				3. Executive ...	...	438	438
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	...	488	488
Total, Receipts ...	87	153	240	V.—TOOLS AND PLANT...	...	18	18
				Total ...	...	1,722	1,722
				Share of Collection Charges in the Civil Department ...	...	...	...
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	...	68	68
				Total, Charges ...	...	1,790	1,790
				Balance Net Revenue ...	87	-1,637	-1,550
Grand Total ...	87	153	240	Grand Total ...	87	153	240

N. B.—Construction Estimate closed on 30th November 1916.

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

FUTELAO TANK.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized Abatement of Land Revenue ... ..	.....	6,680	6,680
2. Leave and Pension Allowances	2,401	24	2,425
Total ...	2,401	6,704	9,105
REVENUE—			
2. Leave and Pension Allowances ... ..	.....	68	68

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
DIRECT CHARGES.								
Works ...	88,822	...	88,822	...	...	...	88,822	
Establishment ...	17,325	...	17,325	...	...	...	17,325	
Tools and Plant ...	1,209	...	1,209	...	...	...	1,209	
Total ...	1,07,356	...	1,07,356	...	...	...	1,07,356	
<i>Less—Receipts on Capital Account</i> ...	...	...	...	...	...	...	...
Net Total ...	1,07,356	...	1,07,356	...	...	...	1,07,356	
INDIRECT CHARGES.								
Capitalized Abatement of Land Revenue ...	6,680	...	6,680	...	...	...	6,680	
Leave and Pension Allowances ...	2,425	...	2,425	...	...	...	2,425	
Total ...	9,105	...	9,105	...	...	...	9,105	
Grand Total ...	1,16,461	...	1,16,461	...	...	...	1,16,461	

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

HARTA'LA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total			Charges.	Total		
	Previous.	1910-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation	16,430	331	16,761	1. Head Works ...	23	631	654
5. Plantations	6,251	47	6,337				
6. Other canal produce. }		39					
10. Fines		260	260				
11. Miscellaneous Receipts.	16,216	14	16,230				
Total ...	38,897	691	39,588				
II.—INDIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
Irrigation share of Land Revenue collected in the Civil Department...	...	...	...	1. Head Works ...	5,095	147	5,242
Total, Receipts ...	38,897	691	39,588	3. Distributaries ...	1,342	...	1,342
				Total ...	6,437	147	6,584
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts...	439	35	474
				3. Executive ...	5,945	275	6,220
				Total ...	6,384	310	6,694
				V.—TOOLS AND PLANT...	17	11	28
Carried over ..	38,897	691	39,588	Carried over ...	12,861	1,099	13,960

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

HARTA'LA TANE.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	38,897	691	39,588	Brought forward ...	12,861	1,009	13,860
				VL—REFUNDS OF REVENUE ...	2,957	...	2,957
				Total ...	15,818	1,009	16,827
				Share of Collection Charges in the Civil Department ...	1,569	29	1,598
				Indirect Charges debit-able to Revenue Account as per Account No. 5 ...	909	43	952
				Total, Charges ...	18,287	1,171	19,458
				Balance Not Revenue ...	20,610	—480	20,130
Grand Total ...	38,897	691	39,588	Grand Total ...	38,897	691	39,588

N.B.—Last Capital Account detailed in the Administrative Accounts for 1896-97. Construction Estimate closed on 31st March 1897—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1224, dated 31st July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances ...	909	43	952

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917

43.—MINOR WORKS AND NAVIGATION.

MHASVA TANK.
TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	27,944	1,568	29,512	1. Head Works ...	5,738	594	6,332
3. Sales of water ...	14	...	14	2. Main Canals and Branches ...	2,094	...	2,094
5. Plantations ...	8,664	55	8,918	3. Distributaries ...	586	...	586
6. Other canal produce ...	...	199	...	Total ...	8,418	594	9,012
9. Rents of Buildings ...	154	...	154	II.—MAINTENANCE AND REPAIRS.			
10. Fines ...	...	5	5	1. Head Works ...	3,531	408	3,939
11. Miscellaneous Receipts ...	11,824	1,272	13,096	2. Main Canals and Branches ...	2,148	531	2,679
Total ...	48,600	3,099	51,699	3. Distributaries ...	16,310	...	16,310
II.—INDIRECT RECEIPTS				Total ...	21,989	933	22,928
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	IV.—ESTABLISHMENT.			
Total, Receipts ...	48,600	3,099	51,699	1 & 2. Direction and Accounts ...	1,847	69	1,916
				3. Executive ...	22,361	659	23,020
				Total ...	24,208	728	24,936
				V.—TOOLS AND PLANT...	1,064	23	1,087
				Profit and Loss ...	149	...	149
				VI.—REFUNDS OF REVENUE	212	...	212
				Total ...	56,040	2,284	58,324
				Share of Collection Charges in the Civil Department ...	1,424	79	1,503
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	3,669	102	3,771
				Total, Charges ...	61,133	2,465	63,598
				Balance Net Revenue ...	-12,533	634	-11,899
Grand Total ...	48,600	3,099	51,699	Grand Total ...	48,600	3,099	51,699

N.B.—Last Capital Account detailed in the Administrative Accounts for 1893-94. Construction Estimate closed on 31st March 1887—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1224, dated 31st July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue ...	120	.....	120
2. Leave and Pension Allowances ...	3,549	102	3,651
Total ...	3,669	102	3,771

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

JAMDA CANALS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	2,68,732	8,556	2,72,288	1. Head Works ...	1,449	8,819	4,708
3. Sales of water ...	208	3	211	2. Main Canals and Branches ...	16,387	1,784	18,171
5. Plantations ...	46,191	2,803	49,326	3. Distributaries ...	1,464	...	1,464
6. Other canal produce ...				332	...	...
9. Rents of Buildings ...	2,031	34	2,065	Total ...	19,800	5,133	24,433
10. Fines ...	103	5	108	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts ...	2,586	153	2,689	1. Head Works ...	17,364	1,015	18,377
Total ...	3,14,801	11,886	3,26,687	2. Main Canals and Branches ...	2,22,045	2,385	2,26,030
II.—INDIRECT RECEIPTS.				3. Distributaries ...	14,984	85	15,019
Irrigation share of Land Revenue collected in the Civil Department...	...	...	...	Total ...	2,54,938	3,433	2,58,426
Total, Receipts ...	3,14,801	11,886	3,26,687	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	19,640	860	20,000
				3. Executive ...	1,95,238	3,807	1,99,100
				Total ...	2,14,933	4,167	2,19,100
				V.—TOOLS AND PLANT ...	5,248	120	5,368
				Profit and Loss ...	84	...	84
				VI.—REFUNDS OF REVENUE	1,065	0	1,071
				Total ...	4,95,623	12,859	5,08,482
				Share of Collection Charges in the Civil Department ...	13,122	428	13,550
				Indirect Charges debitable to Revenue Account No. 5 ...	33,328	682	34,010
				Total, Charges ...	5,42,073	13,969	5,58,042
				Balance Net Revenue ...	2,27,272	2,083	2,29,355
Grand Total ...	3,14,801	11,886	3,26,687	Grand Total ...	3,14,801	11,886	3,26,687

N.B.—Last Capital Account detailed in the Administrative Accounts for 1914-15. Construction Estimate closed on 31st March 1902—vide Government Resolution No. 5163, dated 1st May 1916. Completion Report approved in Government Resolution No. 5163, dated 1st May 1916.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-17.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue ...	281	99	330
2. Leave and Pension Allowances ...	33,097	583	33,680
Total ...	33,328	682	34,010

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.

PARSUL TANK.
TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	61,665	6,131	67,796	1. Head Works ...	747	1,722	2,469
5. Plantations... ..	689	...	689	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce.	833	27	865	1. Head Works ...	5,079	574	5,653
9. Rents of buildings ...	1	...	1	2. Main Canals and Branches ...	76	...	76
10. Fines	22	...	22	3. Distributaries ...	3,877	...	3,877
11. Miscellaneous Receipts	377	...	377	Total ...	9,032	574	9,606
Total ...	63,592	6,158	69,750	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	817	98	915
II.—INDIRECT RECEIPTS.				3. Executive	16,260	1,918	18,178
Irrigation share of Land Revenue collected in the Civil Department...	...	...	...	Total ...	17,077	2,016	19,093
Total, Receipts ...	63,592	6,158	69,750	V.—TOOLS AND PLANT ...	845	33	878
				VI.—REFUNDS OF REVENUE ...	177	...	177
				Total ...	27,878	4,345	32,223
				Share of Collection Charges in the Civil Department	3,084	307	3,391
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,390	282	2,672
				Total, Charges ...	33,352	4,934	38,286
				Balance Net Revenue ...	30,240	1,224	31,464
Grand Total ...	63,592	6,158	69,750	Grand Total ...	63,592	6,158	69,750

N.B.—Last Capital Account detailed in the Administrative Accounts for 1897-98. Construction Estimate closed on 31st March 1896—vide Government Resolution No. 396, dated 14th March 1896. Completion Report approved in Government Resolution No. 241, dated 17th February 1896.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	2,390	282	2,672

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

PRAVARA LEFT BANK CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	TOTAL.			Charges.	TOTAL.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	2,68,311	3,745	2,70,056	1. Head Works ...	172	...	172
3. Sales of water...	29	...	29	2. Main Canals and Branches ...	4,044	...	4,044
5. Plantations ...		42		Total ...	4,816	...	4,816
6. Other canal produce ...	19,120	2,000	21,162	II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings ...	829	112	941	1. Head Works ...	3,374	...	3,374
10. Fines ...	1,211	10	1,221	2. Main Canals and Branches ...	1,84,092	4,433	1,88,625
11. Miscellaneous Receipts ...	7,520	177	7,697	3. Distributaries ...	11,548	...	11,548
Total ...	2,95,020	6,086	3,01,106	Total ...	1,49,014	4,433	1,53,447
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	1 & 2. Direction and Accounts ...	10,342	175	10,517
Enhanced Land Revenue as per Government Resolution No. 275, dated 17th July 1880 ...	2,812	76	2,888	3. Executive ...	1,42,419	1,730	1,50,149
Total ...	2,812	76	2,888	Total ...	1,58,761	1,905	1,60,666
Total Receipts ...	2,97,832	6,162	3,03,994	V.—TOOLS AND PLANT ...	2,802	58	2,860
				VI.—REFUNDS OF REVENUE ...	1,042	...	1,042
				Total ...	3,18,435	6,306	3,22,831
				Share of Collection Charges in the Civil Department ...	13,037	194	13,831
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	22,860	267	23,127
				Total, Charges ...	3,52,941	6,867	3,59,798
				Balance Net Revenue ...	-55,109	-695	-55,804
Grand Total ...	2,97,832	6,162	3,03,994	Grand Total ...	2,97,832	6,162	3,03,994

N.B.—Last Capital Account detailed in the Administrative Accounts for 1906-07. Construction Estimate closed on 31st March 1864—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1859, dated 9th December 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue ...	6	...	6
2. Leave and Pension Allowances ...	22,863	267	23,130
Total ...	22,869	267	23,136

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.

BHATODI TANK.
TANK PROJECT.

No. 8.—Revenue Account for, and to end of, 1916-1917.

Receipts.	TOTAL.			Charges.	TOTAL.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	1,35,635	4,120	1,39,755	1. Head Works ...	770	445	1,215
3. Sales of water ...	4	...	4	2. Main Canals and Branches ...	1,252	309	1,561
5. Plantations ...	6,408	26	7,241	Total ...	2,022	754	2,776
6. Other canal produce ...		807			II.—MAINTENANCE AND REPAIRS.		
9. Rents of Buildings ...	151	8	159	1. Head Works ...	19,481	419	19,900
10. Fines ...	313	2	315	2. Main Canals and Branches ...	70,813	728	71,041
11. Miscellaneous Receipts ...	21,938	1,055	22,988	3. Distributaries ...	4,476	429	4,905
Total ...	1,64,444	6,018	1,70,462	Total ...	94,270	1,576	95,846
II.—INDIRECT RECEIPTS.				III.—COMPENSATION ...	9	...	9
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	IV.—ESTABLISHMENT.			
Revenue on lands irrigated by percolation per Government Resolution No. 1757, dated 16th October 1891.	38,271	2,060	40,331	1 & 2. Direction and Accounts ...	5,955	105	6,060
Increased Land Revenue per Government Resolution No. 203, dated 30th March 1878 ...	5,842	146	5,988	3. Executive ...	71,563	668	72,231
Total ...	44,113	2,206	46,319	Total ...	77,518	773	78,291
Total, Receipts ...	2,08,557	8,224	2,16,781	V.—TOOLS AND PLANT ...	1,452	35	1,487
Grand Total ...	2,08,557	8,224	2,16,781	VI.—REFUNDS OF REVENUE.	1,239	...	1,239
				Total ...	1,76,510	3,138	1,79,648
				Share of Collection Charges in the Civil Department...	11,094	412	11,506
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	11,277	108	11,385
				Total, Charges ...	1,98,881	3,658	2,02,539
				Balance Net Revenue ...	9,676	4,566	14,242
				Grand Total ...	2,08,557	8,224	2,16,781

N.B.—Last Capital Account detailed in the Administrative Accounts for 1891-92. Construction Estimate closed on 31st March 1892—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1797, dated 19th November 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue ...	102	.....	102
2. Leave and Pension Allowances ...	11,175	108	11,283
Total ...	11,277	108	11,385

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

KA'SURDI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	TOTAL.			Charges.	TOTAL.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	8,638	513	9,146	2. Main Canals and Branches ...	31	...	31
3. Sales of water .	20	...	20	3. Distributaries ...	80	...	80
5. Plantations ...	2,504	...	2,545	Total ...	111	...	111
6. Other canal produce ...				41			
11. Miscellaneous Receipts ...	6,887	...	6,887	II.—MAINTENANCE AND REPAIRS.			
Total ...	18,044	554	18,598	1. Head Works ...	16,125	201	16,326
				3. Distributaries ...	2,542	101	2,703
				Total ...	18,607	302	19,029
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	1 & 2. Direction and Accounts ...	1,483	16	1,499
Total, Receipts ...	18,044	554	18,598	3. Executive ...	9,298	187	9,460
				Total ...	10,776	203	10,979
				V.—TOOLS AND PLANT ...	1,683	0	1,689
				Total ...	81,237	571	81,808
				Share of Collection Charges in the Civil Department.	430	26	456
				Indirect Charges debitabto to Revenue Account as per Account No. 5 ...	1,635	28	1,663
				Total, Charges ...	83,302	625	83,927
				Balance Net Revenue ...	-15,258	-71	-15,329
Grand Total ...	18,044	554	18,598	Grand Total ...	18,044	554	18,598

N.B.—Last Capital Account detailed in the Administrative Accounts for 1877-78. Construction Estimate closed on 31st March 1878—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 997, dated 21st June 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances ...	1,635	28	1,663

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.

SHIRSUPHAL TANK.
TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	80,839	3,974	84,813	1. Head Works ...	606	...	606
3. Sales of water ...	3	...	3	3. Distributaries ...	144	...	144
5. Plantations ...	3,652	929	4,581	Total ...	750	...	750
6. Other canal produce ...							
10. Fines ...	77	...	77	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts ...	10,978	1	10,979	1. Head Works ...	10,482	389	10,821
Total ..	95,549	4,904	1,00,453	2. Main Canals and Branches ...	31,378	...	31,378
				3. Distributaries ...	765	987	1,752
				Total ...	42,625	1,326	43,951
				IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS				1 & 2. Direction and Accounts ...	3,829	60	3,889
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	3. Executive ...	32,074	850	32,924
Total, Receipts ...	95,549	4,904	1,00,453	Total ...	35,903	910	36,813
				V.—TOOLS AND PLANT ...	2,003	20	2,023
				VI.—REFUNDS OF REVENUE ...	16	...	16
				Total ...	81,297	2,256	83,553
				Share of Collection Charges in the Civil Department ...	4,046	199	4,245
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	5,069	127	5,196
				Total, Charges ...	90,412	2,582	92,994
				Balance Net Revenue ...	5,137	2,322	7,459
Grand Total ...	95,549	4,904	1,00,453	Grand Total ...	95,549	4,904	1,00,453

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-96. Construction Estimate closed on 31st October 1893. Completion Report approved in Government Resolution No. 328, dated 22nd February 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances ...	5,069	127	5,196

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.

BRADALVADI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	1,00,832	4,481	1,04,813	1. Head Works ...	643	...	643
3. Sales of water ...	18	...	18	3. Distributaries ...	158	...	158
5. Plantations ...	4,541	70	4,727	Total ...	801	...	801
6. Other canal produce ...		116			II.—MAINTENANCE AND REPAIRS.		
11. Miscellaneous Receipts ...	1,852	1	1,853	1. Head Works ...	6,749	480	7,229
Total ...	1,06,743	4,668	1,11,411	2. Main Canals and Branches ...	836	...	836
				3. Distributaries ...	30,413	800	31,213
				Total ..	37,408	1,340	38,847
				IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts... ..	3,040	61	3,101
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	3. Executive	28,331	873	29,204
Total, Receipts ...	1,06,743	4,668	1,11,411	Total ...	31,371	934	32,305
				V.—TOOLS AND PLANT ...	1,818	19	1,837
				VI.—REFUNDS OF REVENUE	46	...	46
				Total ...	71,534	2,302	73,836
				Share of Collection Charges in the Civil Department	5,014	224	5,238
				Indirect Charges debit-able to Revenue Account as per Account No. 5 ...	4,326	131	4,527
				Total, Charges ...	80,944	2,667	83,611
				Balance Net Revenue ...	25,799	2,011	27,810
Grand Total ...	1,06,743	4,668	1,11,411	Grand Total ...	1,06,743	4,668	1,11,411

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-96. Construction Estimate closed on 31st March 1891—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 827, dated 17th May 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	4,396	131	4,527

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

VICTORIA TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of Construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-1917.	Total		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—Head Works.					
A. Preliminary Expenses ... ..	...	...	...	600	...
B. Land	4,052	...	4,052	13,200	...
C. Masonry Works ... ..	...	...	...	60,033	...
K. Buildings ... ..	...	...	...	1,000	...
L. Earth-work	40,743	...	40,743	2,72,099	...
P. Maintenance	565	36	601	712	...
Total, Head Works	45,360	36	45,396	3,47,644	...
(2)—Main Canals and Branches.					
A. Preliminary Expenses ... ..	...	...	...	200	...
B. Land ... ..	...	...	...	80	...
C. Masonry Works ... ..	...	...	...	4,500	...
K. Buildings ... ..	...	...	...	200	...
L. Earth-work ... ..	...	...	...	1,420	...
Total, Main Canals and Branches ... ..	...	...	...	6,400	...
Total, I.—Works	45,360	36	45,396	3,54,044	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	2,058	2	2,060	17,038	...
3. Executive	7,407	6	7,413	61,337	...
Total, II.—Establishment	9,465	8	9,473	78,375	...
III.—Tools and Plant	548	1	544	5,111	...
Grand Total	55,368	45	55,413	4,37,530	...
V.—Loss—Receipts on Capital Account	701	147	848	...	...
Net Outlay	54,667	—102	54,565	4,37,530	...
APPORTIONMENT.					
Chargeable to 43.—Minor Works and Navigation	9,963	—102	9,861	4,37,530	...
Do. 33.—Famine Relief	44,704	...	44,704		
Total	54,667	—102	54,565	4,37,530	...

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

VICTORIA TANK.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	2,468	.....	2,468
2. Leave and Pension Allowances	1,326	1	1,327
Total ...	3,794	1	3,795

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.	
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount sanctioned Estimate.	Unspent balance of Estimate.			
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
DIRECT CHARGES.									
Works	45,396	3,54,044	3,08,648	45,396	Government of India's No. 440-I of 22nd March 1906—vide Government Resolution No. 1218 of 6th May 1906.	
Establishment	9,473	78,875	68,902	9,473		
Tools and Plant	544	5,111	4,567	544		
Total	55,413	4,37,530	3,82,117	55,413		
Less—Receipts on Capital Account	848	...	—848	848		
Net Total	54,565	4,37,530	3,82,965	54,565		
INDIRECT CHARGES.									
Capitalized abatement of Land Revenue	2,468	12,500	10,037	2,468		
Leave and Pension Allowances	1,327	10,973	9,646	1,327		
Total	3,795	23,473	19,683	3,795		
Grand Total	58,355	4,61,003	4,02,648	58,355		

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

KOREGAON TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	29,978	3,112	33,090	1. Head Works ...	2,087	...	2,087
5. Plantations ...	1,512	3	1,552	2. Main Canals and Branches ...	285	...	285
6. Other canal produce ...		37		7	3. Distributaries	7	7
11. Miscellaneous Receipts ...	224	10	234	Total ...	2,372	7	2,379
Total ...	31,714	3,162	34,876	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ...	7,981	220	8,201
				2. Main Canals and Branches ...	931	54	1,085
				3. Distributaries ...	7,731	161	7,892
				Total ...	16,693	435	17,128
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	*3,089	...	3,089	1 & 2. Direction and Accounts ...	1,232	20	1,252
				3. Executive ...	13,676	257	13,933
				Total ...	14,908	277	15,185
				V.—TOOLS AND PLANT ...	475	8	483
				VI.—REFUNDS OF REVENUE ...	18	...	18
				Total ...	34,466	727	35,193
Total ...	3,089	...	3,089	Share of Collection Charges in the Civil Department ...	1,849	156	2,005
Total, Receipts ...	34,803	3,162	37,965	Indirect Charges debitable to Revenue Account as per Account No. 5 ...	2,089	39	2,128
				Total, Charges ...	38,404	922	39,326
				Balance Net Revenue ...	-3,601	2,240	-1,361
Grand Total ...	34,803	3,162	37,965	Grand Total ...	34,803	3,162	37,965

* This amount is to end of January 1899, after which the revenue is credited as direct water-rates.

N.B.—Last Capital Account detailed in the Administrative Accounts for 1890-91. Construction Estimate closed on 31st March 1892—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 654, dated 11th April 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances ...	2,089	39	2,128

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

ASHTI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	2,20,327	15,046 (a)563	2,35,930	1. Head Works ...	30,909	...	30,902
8. Sales of water ...	291	...	291	2. Main Canals and Branches ...	1,085	041	2,020
5. Plantations ...		74		3. Distributaries ...	2,234	...	2,234
6. Other canal produce ...	39,551	2,395	42,023	Total ...	44,121	041	45,062
9. Rents of Buildings ...	487	18	505	II.—MAINTENANCE AND REPAIRS.			
10. Fines ...	25	...	25	1. Head Works ...	37,476	040	38,425
11. Miscellaneous Receipts ...	8,600	15	8,615	2. Main Canals and Branches ...	59,761	1,253	61,017
Total ...	2,63,281	18,114	2,87,395	3. Distributaries ...	4,845	88	4,933
				Total ...	1,02,085	2,290	1,04,375
II.—INDIRECT RECEIPTS				III.—COMPENSATION ...	15	...	15
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	11,563	145	11,708
				3. Executive ...	68,497	1,232	69,729
				Allowance for Collection of Revenue ...	182	...	182
				Total ...	80,242	1,377	81,619
				V.—TOOLS AND PLANT	2,817	40	2,866
				VI.—REFUNDS OF REVENUE ...	973	24	997
Total, Receipts ...	2,69,281	18,114	2,87,395	Total ...	2,30,253	4,681	2,34,934
				Share of Collection Charges in the Civil Department ...	10,377	438 (a)563	11,375
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	11,402	103	11,595
				Total, Charges ...	2,52,032	5,873	2,57,905
				Balance Net Revenue ...	17,249	12,241	29,490
Grand Total ...	2,69,281	18,114	2,87,395	Grand Total ...	2,69,281	18,114	2,87,395

(a) Amount adjusted by credit to water-rates and debit per contra on account of collection charges for the revenue realized by the Miraj State.

N.B.—Last Capital Account detailed in the Administrative Accounts for 1901-02. Construction Estimate closed on 31st March 1903—vide Government Resolution No. 1311, dated 12th September 1903. Completion Report approved in Government Resolution No. 400, dated 16th March 1904.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue ...	107	.....	107
2. Leave and Pension Allowances ...	11,295	193	11,488
Total ...	11,402	193	11,595

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

PA' THRI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	TOTAL.			Charges.	TOTAL.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				1. Head Works ...	699	30	729
1. Water-rates from Irrigation ...	40,496	5,590	46,086	2. Main Canals and Branches ...	452	...	452
3. Sales of water ...	475	...	475	Total ...	1,151	30	1,181
5. Plantations ...	39	21	60	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce ...	1,235	90	1,325	1. Head Works ...	4,602	222	4,824
9. Rents of Buildings ...	1	...	1	2. Main Canals and Branches ...	4,428	623	5,051
11. Miscellaneous Receipts ...	345	30	375	3. Distributaries ...	907	165	1,072
Total ...	42,591	5,731	48,322	Total ...	9,937	1,010	10,947
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	504	46	550
				3. Executive ...	4,855	541	5,396
				Total ...	5,359	587	5,946
				V.—TOOLS AND PLANT ...	858	14	867
II.—INDIRECT RECEIPTS.				Suspense Account ...	—46	...	—46
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	17,254	1,641	18,895
Total, Receipts ...	42,591	5,731	48,322	Share of Collection Charges in the Civil Department ...	2,026	273	2,305
				Indirect Charges debit-able to Revenue Account as per Account No. 5 ...	750	82	832
				Total, Charges ...	20,030	2,002	22,032
				Balance Net Revenue ...	22,561	3,729	26,290
Grand Total ...	42,591	5,731	48,322	Grand Total ...	42,591	5,731	48,322

N.B.—Last Capital Account detailed in the Administrative Accounts for 1915-16.
Construction Estimate closed on 31st March 1900—vide Government Resolution No. 1654, dated 6th July 1902.
Completion Report approved in Government Resolution No. 2452, dated 23rd November 1910.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—			
2. Leave and Pension Allowances ...	Rs. 750	Rs. 82	Rs. 832

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

REVA'RI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	TOTAL.			Charges.	TOTAL.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	1,78,302	6,731	1,85,033	1. Head Works ...	510	...	510
8. Sales of water ...	11	...	11	2. Main - Canals and Branches ...	1,117	...	1,117
5. Plantations ...	4,746	{ ... }	{ 5,228 }	Total ...	1,627	...	1,627
6. Other canal produce ...		482		II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings ...	777	30	807	1. Head Works ...	1,524	11	1,535
11. Miscellaneous Receipts ...	4	...	4	2. Main Canals and Branches ...	52,999	938	53,937
Total ...	1,83,840	7,243	1,91,083	3 Distributaries ...	270	...	270
				Total ...	54,793	949	55,742
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	2,381	43	2,424
				3. Executive ...	35,300	450	35,840
				Total ...	37,771	493	38,264
				V.—TOOLS AND PLANT ...	1,742	14	1,756
II.—INDIRECT RECEIPTS.				VI.—REFUNDS OF REVENUE ...	19	...	19
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	Total ...	95,952	1,450	97,408
Total, Receipts ...	1,83,840	7,243	1,91,083	Share of Collection Charges in the Civil Department ...	8,875	337	9,212
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	6,352	69	6,421
				Total, Charges ...	1,11,179	1,862	1,13,041
				Balance Net Revenue ...	72,661	5,381	78,042
Grand Total ...	1,83,840	7,243	1,91,083	Grand Total ...	1,83,840	7,243	1,91,083

N.B.—Last Capital Account detailed in the Administrative Accounts for 1905-06. Construction Estimate closed on 31st March 1903 —vide Government Resolution No. 1411, dated 12th September 1903. Completion Report approved in Government Resolution No. 489, dated 15th March 1896.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—			
2. Leave and Pension Allowances ...	Rs. 6,352	Rs. 69	Rs. 6,421

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.

UPPER MAN RIVER WORKS.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	TOTAL			Charges.	TOTAL		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	1,36,304	4,337	1,40,641	1. Head Works ...	20,355	...	20,355
3. Sales of water ...	6	...	6	3. Distributaries ...	170	...	170
5. Plantations ...	6,913	...	7,924	Total ...	20,525	...	20,525
6. Other canal produce ...	932	1,011	968	II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings... ..	3	...	3	1. Head Works ...	15,215	235	15,450
10. Fines	252	...	252	2. Main Canals and Branches ...	1,906	928	2,834
11. Miscellaneous Receipts ...	...	...	...	3. Distributaries ...	68,904	652	69,556
Total ...	1,44,410	5,384	1,49,794	Total ...	86,025	1,815	87,840
				III.—COMPENSATION ...	1	...	1
II.—INDIRECT RECEIPTS				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	1 & 2. Direction and Accounts... ..	4,958	82	5,040
Total, Receipts ...	1,44,410	5,384	1,49,794	3. Executive	45,528	802	46,330
				Total ...	50,486	884	51,370
				V.—TOOLS AND PLANT ...	3,057	27	3,084
				VI.—REFUNDS OF REVENUE ...	167	...	167
				Total ...	1,60,261	2,726	1,62,987
				Share of Collection Charges in the Civil Department	6,806	217	7,023
				Indirect Charges debitable to Revenue Account as per Account No. 5... ..	7,645	124	7,769
				Total, Charges ...	1,74,712	3,067	1,77,779
				Balance Net Revenue ...	-30,302	2,317	-27,985
Grand Total ...	1,44,410	5,384	1,49,794	Grand Total ...	1,44,410	5,384	1,49,794

N.B.—Last Capital Account detailed in the Administrative Accounts for 1900-01. Construction Estimate closed on 31st March 1892—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 815, dated 22nd May 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue.	24	.....	24
2. Leave and Pension Allowances	7,621	124	7,745
Total ...	7,645	124	7,769

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

YERLA RIVER IRRIGATION WORKS.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	3,75,719	17,977	3,93,696	1. Head Works ...	47,360	...	47,360
3. Sales of water ...	23	...	23	2. Main Canals and Branches ...	965	...	965
5. Plantations ...	...	...	...	Total ...	48,334	...	48,334
6. Other canal produce ...	23,865	487	24,352	II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings ...	934	...	934	1. Head Works ...	37,704	683	38,387
10. Fines ...	20	...	20	2. Main Canals and Branches ...	1,09,005	2,504	1,11,509
11. Miscellaneous Receipts ...	1,776	...	1,776	3. Distributaries ...	21,870	1,144	23,020
Total ...	4,02,337	18,464	4,20,801	Total ...	1,68,675	4,281	1,72,956
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	1 & 2. Direction and Accounts ...	9,815	193	10,008
Total, Receipts ...	4,02,337	18,464	4,20,801	3. Executive ...	89,062	1,721	90,783
				Total ...	98,587	1,914	1,00,707
				V.—TOOLS AND PLANT ...	3,726	64	3,790
				VI.—REFUNDS OF REVENUE	57	...	57
				Total ...	3,19,675	6,259	3,25,934
				Share of Collection Charges in the Civil Department ...	18,780	899	19,679
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	15,048	268	15,316
				Total, Charges ...	3,53,503	7,426	3,60,929
				Balance Net Revenue ...	48,634	11,038	59,672
Grand Total ...	4,02,337	18,464	4,20,801	Grand Total ...	4,02,337	18,464	4,20,801

N.B.—Last Capital Account detailed in the Administrative Accounts for 1907-08. Construction Estimate closed on 31st March 1908—vide Government Resolution No. 668, dated 12th May 1906. Completion Report approved in Government Resolution No. 1419, dated 8th October 1897.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances ...	15,048	268	15,316

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

CHIKHLI CANAL.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	59,460	2,635	62,095	1. Head Works ...	966	...	968
8. Sales of water ...	1	...	1	2. Main Canals and Branches... ...	553	...	553
6. Plantations ...	4,293	1,233	5,586	Total ...	1,521	...	1,521
6. Other canal produce ...							
9. Rents of buildings.	50	...	50	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts ...	80	...	80	1. Head Works ...	1,166	...	1,166
Total ...	62,884	3,928	67,812	2. Main Canals and Branches... ...	30,840	430	31,270
				Total ...	32,006	430	32,436
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	1 & 2. Direction and Accounts ..	1,525	19	1,544
Total, Receipts ...	63,584	3,928	67,812	3. Executive ...	19,142	169	19,311
				Total ...	20,667	188	20,855
				V.—TOOLS AND PLANT ...	458	6	464
				VI.—REFUNDS OF REVENUE ...	144	14	158
				Total ...	54,796	638	55,434
				Share of Collection Charges in the Civil Department ...	2,977	132	3,109
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	3,438	26	3,464
				Total, Charges ...	61,211	796	62,007
				Balance Net Revenue ...	2,673	3,132	5,805
Grand Total ...	63,584	3,928	67,812	Grand Total ...	63,884	3,928	67,812

N. B.—Last Capital Account detailed in the Administrative Accounts for 1882-83. Construction Estimate closed on 31st March 1883—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 489, dated 15th March 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances ...	3,438	26	3,464

IRRIGATION BRANCH

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

MAIN TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	2,08,441	6,740	2,15,181	1. Head Works ...	16,811	...	16,811
5. Plantations ...	6,817	...	8,353	3. Distributaries ...	123	...	123
6. Other canal produce ...		1,536		...	Total ...	16,934	...	16,934
9. Rents of Buildings ...	319	...	319	II.—MAINTENANCE AND REPAIRS.			
10. Fines ...	54	...	54	1. Head Works ...	12,633	268	12,901
11. Miscellaneous Receipts ...	102	...	102	2. Main Canals and Branches ...	136	339	535
Total ...	2,15,733	8,276	2,24,009	3. Distributaries ...	62,383	1,088	63,421
				Total ...	75,152	1,705	76,857
II.—INDIRECT RECEIPTS				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	1 & 2. Direction and Accounts ...	3,803	77	3,880
Total, Receipts ...	2,15,733	8,276	2,24,009	3. Executive ...	41,697	864	42,561
				Total ...	45,500	941	46,441
				V.—TOOLS AND PLANT...	2,244	24	2,270
				VI.—REFUNDS OF REVENUE ...	60	22	82
				Total ...	1,39,806	2,694	1,42,584
				Share of Collection Charges in the Civil Department ...	10,427	837	10,764
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	7,031	132	7,163
				Total, Charges ...	1,57,349	3,103	1,60,511
				Balance Not Revenue ...	58,385	5,113	63,493
Grand Total ...	2,15,733	8,276	2,24,009	Grand Total ...	2,15,733	8,276	2,24,009

A.B.—Last Capital Account detailed in the Administrative Accounts for 1906-1907. Construction Estimate closed on 31st March 1908—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 815, dated 22nd May 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue ...	288	.....	288
2. Leave and Pension Allowances ...	6,743	132	6,875
Total ...	7,031	132	7,163

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.

MUCHKUNDI TANK.
TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	1,855	...	1,855	1. Head Works ...	410	...	410
3. Sales of Water ...	330	...	330	2. Main Canals and Branches ...	487	...	487
5. Plantations ...	...	...	...	Total ...	897	...	897
6. Other canal produce ...	12,370	171	12,541				
10. Fines ...	1	...	1	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts ...	1,771	...	1,771	1. Head Works ...	4,985	99	5,084
Total ...	16,327	171	16,498	2. Main Canals and Branches ...	3,344	...	3,344
				Total ...	8,329	99	8,428
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	1 & 2. Direction and Accounts ...	386	4	390
Total, Receipts ...	16,327	171	16,498	3. Executive ...	2,977	34	3,011
				Total ...	3,363	38	3,401
				V.—TOOLS AND PLANT...	103	1	104
				Total ...	12,692	138	12,830
				Share of Collection Charges in the Civil Department ...	114	...	114
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	469	5	474
				Total, Charges ...	13,275	143	13,418
				Balance Net Revenue ...	3,052	28	3,080
Grand Total ...	16,327	171	16,498	Grand Total ...	16,327	171	16,498

N.B.—Last Capital Account detailed in the Administrative Accounts for 1890-1891. Construction Estimate closed on 31st March 1891—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 662, dated 12th April 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances ...	469	5	474

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

GADIKERI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS ...	...	...	...
1. Water-rates from Irrigation ...	8,959	...	8,959				
5. Plantations ...	84	{ ...	{ 84	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce ...							
Total ...	9,043	...	9,043	1. Head Works ...	7,904	106	8,010
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	67,945	2,061	70,006	1 & 2. Direction and Accounts ...	873	4	877
Total, Receipts ...	76,988	2,061	79,049	3. Executive ...	1,401	18	1,419
				Total ...	1,774	22	1,796
				V.—TOOLS AND PLANT ...	29	2	31
				VI.—REFUNDS OF REVENUE.	2,021	...	2,021
				Total ...	11,728	130	11,858
Carried over ...	76,988	2,061	79,049	Carried over ...	11,728	130	11,858

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

GADYKERI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	76,988	2,061	79,049	Brought forward ...	11,728	130	11,858
				Share of Collection Charges in the Civil Department .	7,694	208	7,900
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	248	3	251
				Total, Charges ...	19,670	339	20,009
				Balance Net Revenue ...	57,318	1,722	59,040
Grand Total ...	76,988	2,061	79,049	Grand Total ...	76,988	2,061	79,049

N.B.—Last Capital Account detailed in the Administrative Accounts for 1905-1906. Construction Estimate closed on 31st March 1882—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 101, dated 18th January 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2 Leave and Pension Allowances ...	248	3	251

IRRIGATION BRANCH

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

GOKAK CANAL—FIRST SECTION AND STORAGE WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	
1. Water-rates from Irrigation ...	7,03,225	25,983	7,29,208	1. Head Works ...	4,018	31	4,979
3. Sales of water ...	5,893	338	6,231	2. Main Canals and Branches ...	1,184	...	1,184
5. Plantations ...	20,546	1,026	21,572	Total ...	6,082	31	6,113
6. Other canal produce ...							
7. Water-power ...	3,37,655	14,313	3,51,968	II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings ...	782	67	849	1. Head Works ...	56,118	4,084	60,162
10. Fines ...	44	...	44	2. Main Canals and Branches ...	34,407	1,255	35,752
11. Miscellaneous Receipts ...	19,558	1,433	20,991	3. Distributaries ...	23,247	296	23,543
Total ...	10,87,803	43,160	11,30,963	Total ...	1,13,862	5,585	1,19,447
II.—INDIRECT RECEIPTS				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	1 & 2. Direction and Accounts ...	5,572	252	5,824
				3. Executive ...	90,182	3,408	93,590
Total, Receipts ...	10,87,803	43,160	11,30,963	Total ...	95,754	3,660	99,414
				V.—TOOLS AND PLANT...	9,426	84	9,510
				VI.—REFUNDS OF REVENUE...	2,251	...	2,251
				Total ...	2,27,375	9,360	2,36,735
				Share of Collection Charges in the Civil Department ...	39,943	1,314	41,257
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	13,405	512	13,917
				Total, Charges ...	2,80,723	11,186	2,91,909
				Balance Not Revenue ...	8,07,080	31,974	8,39,054
Grand Total ...	10,87,803	43,160	11,30,963	Grand Total ...	10,87,803	43,160	11,30,963

N. B.—Last Capital Account detailed in the Administrative Accounts for 1908-07 and No. 6 in 1909-1910. Construction Estimate closed on 31st March 1897—vide Government Resolution No. 1393, dated 2nd October 1897. Completion Report approved in Government Resolution No. 327, dated 10th February 1900.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

GOKAK CANAL—FIRST SECTION AND STORAGE WORKS.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916.	5,22,671	Net Revenue realized to end of 1915-1916.	3,743
Interest charges for the year 1916-1917 ...	13,217	Do. during 1916-1917 ...	...
		Balance net Interest charges ...	3,743
Total ...	5,35,888	Total ...	5,32,145
			5,35,888

Interest on outlay charged to 35—Protective Works as per Government of India's No. 4-A. I. of 19th January 1891.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.			1916-1917.			Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
REVENUE—									
2. Leave and Pension Allowances	13,405	512	13,917			

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

DAMBAL TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total			Charges.	Total		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	17,064	368	17,432	1. Head Works ...	634	...	634
5. Plantations ...	11,814	...	12,461	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce ...		647			1. Head Works ...	13,070	874	13,444
11. Miscellaneous Receipts ...	384	...	384	3. Distributaries ...	670	...	670
				Total ...	13,740	874	14,114
Total ...	29,262	1,015	30,277	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	608	16	622
II.—INDIRECT RECEIPTS.				3. Executive ...	12,858	672	13,330
Irrigation share of Land Revenue collected in the Civil Department.	30,350	916	31,266	Total ...	13,264	688	13,952
Total, Receipts ...	59,612	1,931	61,543	V.—TOOLS AND PLANT ...	4	6	9
				VI.—REFUNDS OF REVENUE ...	126	...	126
				Total ...	27,768	1,067	28,835
				Share of Collection Charges in the Civil Department ...	4,070	110	4,180
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	1,989	96	2,085
				Total, Charges ...	33,827	1,273	35,100
				Balance Net Revenue...	25,785	658	26,443
Grand Total ...	59,612	1,931	61,543	Grand Total ...	59,612	1,931	61,543

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-96.

Construction Estimate closed on 31st March 1896—vide Government Resolution No. 1411, dated 12th September 1893.

Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue ...	124	.....	124
2. Leave and Pension Allowances ...	1,865	96	1,961
Total ...	1,989	96	2,085

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

MEDLEBI TANK.

TANK PROJECT.

No. 8.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	17,401	445	17,846	1. Head Works ...	141	...	141
5. Plantations ...	...	...	...	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce ...	495	326	821	1. Head Works ...	13,001	242	13,243
11. Miscellaneous Receipts ...	88	...	88	2. Main Canals and Branches ...	24	...	24
Total ...	17,984	771	18,755	3. Distributaries ...	2,191	...	2,191
				Total ...	15,216	242	15,458
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	1 & 2. Direction and Accounts ...	634	11	645
				3. Executive ...	11,841	511	12,352
				Total ...	12,475	522	12,997
Total, Receipts ...	17,984	771	18,755	V.—TOOLS AND PLANT ..	4	4	8
				VI.—REFUNDS OF REVENUE.	299	...	299
				Total ...	28,135	768	28,903
				Share of Collection Charges in the Civil Department ...	669	22	691
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	1,745	73	1,818
				Total, Charges ...	30,749	863	31,612
				Balance Net Revenue ...	-12,765	-92	-12,857
Grand Total ...	17,984	771	18,755	Grand Total ...	17,984	771	18,755

N. B.—Last Capital Account detailed in the Administrative Accounts for 1887-88. Construction Estimate closed on 31st March 1888—vide Government Resolution No. 1311, dated 12th September 1893. Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances ...	1,745	73	1,818

IRRIGATION BRANCH. **BOMBAY PRESIDENCY**
PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.
MADAG TANK.
TANK PROJECT.
No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts	Total			Charges.	Total		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	91,842	1,559	92,901	2. Main Canals and Branches ...	1,537	...	1,537
5. Plantations ...	6,501	52	6,694	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce ...		141			1. Head Works ...	1,402	...
11. Miscellaneous Receipts ...	81	...	81	2. Main Canals and Branches ...	48,066	611	48,077
Total ...	97,924	1,752	99,676	Total ...	49,528	611	50,139
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	1 & 2. Direction and Accounts ...	1,881	27	1,908
Total, Receipts ...	97,924	1,752	99,676	3. Executive ...	32,407	1,005	33,412
				Total ...	34,288	1,032	35,320
				V.—TOOLS AND PLANT ...	550	9	559
				Total ...	85,908	1,652	87,555
				Share of Collection Charges in the Civil Department ...	4,579	78	4,657
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	5,433	144	5,577
				Total, Charges ...	95,915	1,874	97,789
				Balance Net Revenue ...	2,009	-122	1,887
Grand Total, ...	97,924	1,752	99,676	Grand Total ...	97,924	1,752	99,676

N.B.—Last Capital Account detailed in the Administrative Accounts for 1898-99. Construction Estimate closed on 31st March 1899—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances...	5,433	144	5,577

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.

ASUNDI TANK,
TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	15,950	608	16,558	1. Head Works ...	219	...	219
5. Plantations... 6. Other canal produce ... 10. Fines ... 11. Miscellaneous Receipts ...	1,044 19 88	... ... ...	1,591 19 38	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ...	22,683	312	22,995
				3. Distributaries ...	2,043	...	2,043
				Total ...	24,726	312	25,038
Total ..	17,051	1,155	18,206	IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts ...	1,212	14	1,226
Irrigation share of Land Revenue collected in the Civil Department ...	13,332	687	19,019	3. Executive ...	19,352	614	19,966
				Total ...	20,564	628	21,192
Total, Receipts ...	35,383	1,842	37,225	V.—TOOLS AND PLANT ...	504	5	509
				Total ...	46,013	945	46,958
				Share of Collection Charges in the Civil Department ...	2,653	99	2,752
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	2,889	88	2,977
				Total, Charges ...	51,555	1,182	52,687
				Balance Net Revenue ...	-16,172	710	-15,462
Grand Total ...	35,383	1,842	37,225	Grand Total ...	35,383	1,842	37,225

N. P.—Last Capital Account detailed in the Administrative Accounts for 1889-90. Construction Estimate closed on 31st March 1890—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1133, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue ...	9	.....	9
2. Leave and Pension Allowances ...	2,880	88	2,968
Total ...	2,889	88	2,977

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

DHARMA CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—Head Works.					
K. Buildings	2,286	...	2,286	2,286	...
(2)—Main Canals and Branches.					
A. Preliminary Expenses	1,775	...	1,775	1,775	...
B. Land	476	...	476	476	...
D. Regulators	18,089	71	18,160	18,607	...
F. River and Hill Torrent Works	18,405	-242	18,163	18,523	...
G. Bridges	868	...	868	875	...
H. Escapes	5,011	1,730	6,741	7,514	...
K. Buildings	3,170	...	3,170	3,886	...
L. Earth-work	16,524	-499	16,025	19,837	...
O. Miscellaneous	892	976	1,868	4,519	...
Total, Main Canals and Branches ...	65,210	2,036	67,246	75,512	...
Total, I.—Works ...	67,436	2,036	69,532	77,708	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	3,530	92	3,622	3,470	...
3. Executive	11,042	846	11,888	18,145	...
Total, Establishment ...	14,572	438	15,010	16,624	...
III.—TOOLS AND PLANT					
Grand Total ...	83,032	2,504	85,536	95,582	...
V.—Less Receipts on Capital Account					
Net Outlay ...	83,032	2,504	85,536	95,582	...
APPORTIONMENT.					
Chargeable to 43—Minor Works and Navigation	83,032	2,504	85,536	95,582	...

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.

DHARMA CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
1. Water-rates from Irrigation ...	3,683	2,347	6,030	1. Head Works ...	4,317	...	4,317
6. Other canal produce. ...	...	10	10	2. Main Canals and Branches ...	782	1,282	2,071
11. Miscellaneous Receipts ...	319	74	393	Average expenditure before Improvements ...	-4,170	-1,390	-5,560
Total ...	4,002	2,431	6,433	Total ...	936	-108	828
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	54,585	18,195	72,780	1 & 2. Direction and Accounts ...	157	54	211
Average Indirect Revenue as per Government Resolution No. A.I.—1650, dated 16th August 1911 ...	-69,468	-23,156	-92,624	3. Executive ...	3,696	1,370	5,066
Total ...	-14,883	-4,961	-19,844	Total ...	3,853	1,424	5,277
				V.—TOOLS AND PLANT...	26	18	44
				Total ...	4,815	1,334	6,149
Total, Receipts ...	-10,881	-2,530	-13,411	Share of Collection Charges in the Civil Department ...	-1,228	-375	-1,663
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	540	199	739
				Total, Charges ..	4,067	1,158	5,225
				Balance Net Revenue ...	-14,948	-3,688	-18,636
Grand Total ...	-10,881	-2,530	-13,411	Grand Total ...	-10,881	-2,530	-13,411

IRRIGATION BRANCH

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

DHARMA CANAL.

CANAL PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue ...	2	.....	2
2. Leave and Pension Allowances ...	2,040	61	2,101
Total ...	2,042	61	2,103
REVENUE—			
2. Leave and Pension Allowances ...	540	199	739

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.	
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.			
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
Works	69,532	77,798	8,266	69,532	Revised Estimate sanctioned in Government Resolution No. W. L. 4695 (P. W. D.), dated 4th May 1916.	
Establishment	15,010	16,624	1,614	15,010		
Tools and Plant	994	1,160	166	994		
Total	85,536	95,582	10,046	85,536		
Less—Receipts on Capital Account.		
Net Total	85,536	95,582	10,046	85,536		
INDIRECT CHARGES.									
Capitalized Abatement of Land Revenue	2	425	423	2		
Leave and Pension Allowances	2,101	2,327	226	2,101		
Total	2,103	2,752	649	2,103		
Grand Total	87,639	98,334	10,695	87,639		

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.
43.—MINOR WORKS AND NAVIGATION.

MAVINKOP TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipt.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				1. Head Works ...	1,440	...	1,440
5. Plantations ...	28	...	28	3. Distributaries ...	158	...	158
6. Other canal produce.						Total ...	1,598
11. Miscellaneous Receipts ...	169	...	169	II.—MAINTENANCE AND REPAIRS.			
Total ...	197	...	197	1. Head Works ...	3,126	775	3,901
				3. Distributaries ...	348	...	348
				Total ...	3,474	775	4,249
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	52,645	2,244	54,889	1 & 2. Direction and Accounts ...	234	34	268
Total ...	52,645	2,244	54,889	3. Executive ...	3,202	983	4,185
				Total ...	3,436	1,017	4,453
Total, Receipts ..	52,842	2,244	55,086	V.—TOOLS AND PLANT.	2	12	14
				Total ...	3,510	1,804	10,314
				Share of Collection Charges in the Civil Department ...	5,274	224	5,498
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	482	142	624
				Total, Charges ...	14,266	2,170	16,436
				Balance Net Revenue ...	38,576	74	38,650
Grand Total ...	52,842	2,244	55,086	Grand Total ...	52,842	2,244	55,086

N.B.—Last Capital Account detailed in the Administrative Accounts for 1901-02. Construction Estimate closed on 31st March 1892—vide Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1133, dated 10th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—			
2. Leave and Pension Allowances ...	Rs. 482	Rs. 142	Rs. 624

IRRIGATION BRANCH.

BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.
ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.

SIND.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.							
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.					
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.					
I.—DIRECT RECEIPTS.												
1. Water-rates from Irrigation ...	4,18,972	24,484	4,43,456	I.—EXTENSIONS AND IMPROVEMENTS ...	19,96,640	1,60,535	21,47,175					
3. Sales of water ...	301	269	570									
4. Water supply of towns ...	1		1									
5. Plantations ...		2,168										
6. Other canal produce ...	2,26,992	10,392	2,39,562									
8. Navigation ...	12	10	22									
9. Rents of buildings ...	24,350	2,697	27,047									
10. Fines ...	27,433	5,331	32,764									
11. Miscellaneous Receipts ...	3,66,741	15,321	3,82,062									
Receipts from 1874-75 to 1899-1900 ...	12,02,054	...	12,02,054									
Total ...	22,66,856	60,672	23,27,528									
II.—INDIRECT RECEIPTS.												
Irrigation share of Land Revenue collected in the Civil Department ...	3,73,86,390	27,86,710	4,01,73,100	II.—MAINTENANCE AND REPAIRS ...	86,68,489	4,04,488	91,52,977					
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated respectively 20th June and 1st Aug. 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	6,80,430	49,368	7,29,798									
Receipts from 1874-75 to 1899-1900 ...	4,71,38,677	...	4,71,38,677									
Total ...	8,52,05,497	28,36,078	8,80,41,575									
Total, Receipts ...	8,74,72,353	28,96,750	9,03,69,103									
<i>Note.</i> —Loss to the canal on account of difference between assessment of water-rates on Jágírh lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I, dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.								IV.—ESTABLISHMENT.	1 & 2. Direction and Accounts ...	4,58,201	24,700	4,83,000
To end of 1915-1916 ...	33,13,375											
Loss for 1916-1917 ...	1,91,088											
Total ...	35,04,461											
Grand Total ...	8,74,72,353	28,96,750	9,03,69,103									
				V.—TOOLS AND PLANT ...	18,260	-3,917	9,362					
				VI.—REFUNDS OF REVENUE	-32	...	-32					
				Suspense Accounts	-2,564	-2,564					
				Share of Collection Charges in the Civil Department ...	22,69,909	1,03,011	24,58,980					
				Indirect Charges debitable to Revenue Accounts as per Account No. 5 ...	*	*	*					
				Charges from 1874-75 to 1899-1900 ...	2,22,85,677	...	2,22,85,677					
				Total, Charges ...	3,73,51,234	9,48,886	3,83,00,120					
				Balance Net Revenue ...	5,01,21,119	19,47,864	5,20,68,983					
				Grand Total ...	8,74,72,353	28,96,750	9,03,69,103					

* Not calculated in respect of Works for which only Revenue Accounts are kept.

N.B.—This account has been prepared in accordance with the instructions contained in Government of India's No. 686-C.W.L., dated 10th June 1901, communicated in Government Resolution No. A. L.—1453, dated 12th July 1901.

STATISTICAL STATEMENTS

FOR

IRRIGATION WORKS, DECCAN AND GUJARAT,

FOR THE YEAR 1916-1917.

STATEMENT

Statement of Canals in the Bombay

Source of Supply of Water.	(1) Pravara Right Bank Canal.		(2) Girna Left Bank Canal.		(3) Godavari Canals.		(4) Nira Left Bank Canal.	(6) Nira Right Bank Canal.	(9) Hāthmati and Khāri Cut Canals combined.	
	Pravara River.	Girna River.	Godavari River, Right Bank Canal.	Godavari River, Left Bank Canal.	Diver Nira and Reservoir at Blātghar.	River Nira and Reservoir at Vir.	Hāthmati Canal, Hāthmati River.	Khāri Cut Canal, Khāri River.		
Minimum discharge per second. } C. ft. per second.	K. 10-43 R. 11-34 H.W. 18-38	K. 140-73 R. 187-38 H.W. { Supplied from Chakrapur tank.	Right Bank K. 45-40 R. 92-71 H.W. 75-92	Left Bank K. 32-37 R. 28-84 H.W. 50-27	K. 1,918 R. 34 H.W. 5	Under construction.	K. 6 R. 13 H.W. 7	2 4 1		
Maximum discharge of canal. } " "	K. 87-50 R. 88-07 H.W. 81-38	K. 48-25 R. 58-46 H.W. 59-04	K. 201-95 R. 229-74 H.W. 298-59	K. 108-91 R. 91-20 H.W. 148-27	456		K. 822 R. 85 H.W. 232	346 167 62		
Average annual rainfall ... Inches.	22-43	20-95	20-80	23-86	21-06	145*	K. 28-28 R. 0-29	29-57 0-48		
Gross area commanded ... Acres.	73,768	18,982	144,310	89,030	274,447	600,000	4,744	32,000		
Culturable do. ... "	60,000	15,109	186,390	83,060	227,670	480,000	28,840	20,000		
Area irrigable by complete project ... "	45,000	15,000	49,331	30,109	113,280	238,000	11,336	16,000		
Area irrigable at present ... "	24,666	5,100	33,501	15,310	113,230	.....	8,400	16,000	
Sanctioned Estimate—										
Direct charges Rs.	71,54,934	16,46,304	95,55,562	57,34,655	2,49,71,868	4,94,705	1,91,019			
Indirect charges "	4,55,892	56,525	4,80,689	3,69,730	8,00,691	30,000	16,365			
Interest during construction ... "	.....	.....	.....	28,44,872	.....	2,37,687	.....		
Total, Estimate Rs.	(a) 76,10,826	17,02,829	(a) 98,36,251	89,49,307†	2,57,72,499	7,62,392	2,07,384			
Expenditure to end of 1916-1917.										
Direct charges Ra.	65,43,657	18,41,062	95,21,042	63,96,736	1,07,39,412	4,90,925	7,50,237			
Indirect charges "	2,10,801	61,127	4,87,855	3,64,335	2,36,823	26,913	46,900			
Interest during construction ... "	8,10,147	6,55,216	20,50,516	31,56,403	8,65,260	2,37,687	.....		
Total Expenditure Ra.	75,64,605	25,57,405	1,20,69,413	96,17,474†	1,18,32,005	7,55,525	7,97,137			
Works as now sanctioned—										
Main Canals, Irrigation ... Miles.	33	13-11	70½	48	100-25	110	21	31		
Branch Canals do. ... "	.....	.....	.....	.....	.....	.....	.....	8
Distributaries "	13	9-80	43	9-36	139-00	.....	25	27	
Of above—										
Navigable Channels ... Miles.	.....	.....	.....	.....	.....	.....	.....	.....
Works completed at end of 1916-1917—										
Main Canals, Irrigation ... Miles.	33	13-11	70½	46	100-25	.....	21	31	
Branch Canals do. ... "	.....	.....	.....	.....	.....	.....	.....	8
Distributaries "	13	9-93	48	9-46	139-00	.....	30	27	
Of above—										
Navigable Channels ... Miles.	.....	.....	.....	.....	.....	.....	.....	.....

(a) These are for the whole Project.

* Estimated rainfall in the catchment.

† These figures do not include the amount for widening of the Nira Left Bank Canal.

I-A.

Presidency, excluding Sind, for the year 1916-1917.

(11) KADVA RIVER WORKS.			(12) Lakh Canal.	(13) Brihanna Canal.	(22) Jāmda Canal.	(24) Pravara Left Bank Canal.	(25) Rohari Canal.	(25) Chikhli Canal.	(26) Gokak Canal, 1st Section, and Storage Works.	(26) Dharna Canal.	
Falkhed Canal.	Ojhar Tambat Canal.	Wardali Canal.									
Kādva River.	Bānganga River.	Kādva River.	Pravara River.	River Kriahna.	Girna River.	Pravara River.	River Wārna.	River Nāndul.	River Ghatprabha and Storage works.	Dharna River.	
K. 4-64	K. 2-34	K. 5-58	K. 5-30	K. 1002-97	K. 20	} Canal closed temporarily for withdrawing acid vegetation.	K. 0-80	K. 2-05	K. Flood.	K. Information not available.	
R. } Supplied from Wag had tank	R. } Supplied from Wag had tank	R. 5-58	R. 9-04	R. 101-23	R. 134-40		R. 10-21	R. 10-70	R. 184-08	R. Nil.	R. Nil.
H.W.	H.W.	H.W. 5-58	H.W. 1-10	H.W. 90-00	H.W. 51-20		H.W. 3-45	H.W. 1-01	H.W. Nil.	H.W. Nil.	H.W. Nil.
K. 41-98	K. 8-00	K. 9-01	K. 22-73	} 85-18	Left Bank. K. 60-60	} 0-08	} 20-99	Canal Mills.		K. 204-47	
R. 41-93	R. 15-05	R. 9-03	R. 20-79		Right Bank. K. 10-05			R. 58-71	R. 15-80	K. 00 08	R. 00 08	R. Nil
H.W. 39-55	H.W. 15-05	H.W. 18-35	H.W. 21-00	H.W. 57-60	H.W. 20-27	H.W. 00 09	H.W. 00 09	H.W. 00 09	H.W. Nil.	H.W. Nil.	
26-44	19-90	20-29	22-40	26-30	25-37	22-20	27-20	22-53	{ Dhuplal 31-50 Gokak 31-03 }	83-70	
28,832	8,055	8,486	20,913	28,327	37,123	9,160	23,724	8,813	1,871	18,008	
26,260	7,421	2,729	25,838	20,453	33,124	7,061	21,155	8,024	1,478	17,027	
23,466	6,824	2,433	22,760	14,320	8,500	1,600	20,085	1,920	1,478	17,037	
9,837	2,367	2,438	11,280	12,320	8,500	1,500	14,703	1,023	1,478	17,037	
2,38,087	14,541	29,771	3,75,189	8,20,087	10,27,288	3,25,902	50,324	53,803	18,10,116	65,582	
15,761	838	1,540	20,277	48,216	61,402	22,309	3,124	3,613	70,943	2,753	
2,12,554	2,411	32,160	8,65,298	7,83,618	.....	...	...	...	1,46,805	.....
4,66,402	17,785	63,461	7,60,704	16,60,896	10,88,840	3,43,211	59,448	57,415	15,40,883	98,334	
2,71,376	7,188	28,291	3,52,446	8,02,960	9,91,178	3,24,317	50,771	53,803	19,01,750	65,530	
17,218	647	2,354	19,445	51,482	40,911	23,233	3,040	3,689	80,172	2,163	
3,17,565	5,044	45,031	8,55,414	7,88,081	.....	...	...	...	2,41,008	.....
6,06,157	12,877	75,878	7,27,306	17,27,503	10,41,060	3,47,550	59,811	57,442	16,23,015	87,680	
11	8	8-62	23	35-25	89	19	5-06	0-50	4-10	10-00	
.....	.....	..	..	26-25	.....	...	5-25	...	12-03	8-15
21-50	.....	..	11	...	75	26	...	...	30-43	8-71
.....	
11	4-50	8-62	23	35-25	89	19	5-00	0-50	4-10	10-00	
.....	.....	..	..	28-62	.....	...	5-25	...	12-03	8-15
14-36	.....	..	9-37	...	75	21	...	...	30-43	3-71
.....	

STATEMENT
Statement of Reservoir Projects in the

	(3)	(5)	(6)	(4)A	(5)	(10)	(11)	(12)	(13)A	(14)	(15)	(17)		(18)	(19)	(20)
	Chankapur Tank.	Darna Reservoir.	Bhadr-gar Reservoir, Nira Canal.	Shetphal Tank.	Mhasvad Tank.	Lower Parjhra River Works and Mukhl Tank.	Kadwa River Works (Wadhal Tank).	Mutha Reservoir, Lake File.	Matoba Tank.	Ekrtd Tank.	Jwan-grol Tank.	Tranza Tank.	Nagramma Tank.	Savil Tank.	Sabhat Tank.	Haridra Tank.
Source of Supply.	Girna River.	Darna River.	Yelrandi River, Ghât Catchment.	Nira Canal.	Mân River.	Local Streams.	Kojran River, Ghât Catchment.	Mutha River, Ghât Catchment.	Small Nala and Mutha Right Bank Canal.	Adhela River.	Kharwa Nala.	Mâtar Drainage Channel.		Gadla Tank.	Sabhat Nala.	Local Streams.
If supplied by rainfall.	100.00	158	128	3.33	480	34.2	29.00	196	10.00	159	18	NIL	(f)1.6	11	13.5	6.80
Contents of tanks between levels of surface of full supply and all of canal head sluice.	38.23	43.21	145	19.06	37.05	20.81	47.90	138	16.67	29.23	32.55	27.44	27.44	28.97	28.53	28.25
Area of surface of full supply.	1,048.49	5,584.02	4,775	888	4,013.80	509	778	3,753	417.46	4,551	1,506.87	198.00	273.00	567.00	683.61	472
Gross area commanded.	(a)...	232,390	225,000	129,045	13,117	(e)...	94,987	10,700	17,152	5,000	1,000	600	4,700	4,000	584	
Culturable do.	(a)...	219,390	225,000	106,214	12,827	(e)...	(A)40,800	7,133	16,941	5,000	888	402	4,700	4,000	627	
Area irrigable by complete project.	(a)...	79,440	4,300	24,800	12,827	(e)...	16,800	3,250	16,041	3,200	500	300	3,000	2,000	416	
Do. at present.	(a)...	48.51	4,300	4,846	12,827	(e)...	16,800	3,250	16,941	3,400	500	300	3,000	2,000	416	
Wells supplied by tanks.	...	...	...	...	13	...	...	...	...	...	NIL	NIL	NIL	NIL	NIL	...
Sanctioned Estimate—																
Direct Charges	(a)...	(a)...	(a)...	7,04,442	20,34,327	4,44,486	4,97,662	64,62,816	1,63,000	12,28,243	2,01,575	2,61,648	2,26,703	1,54,133	48,800	
Indirect Charges	(a)...	(a)...	(a)...	46,435	1,03,947	22,774	16,835	2,56,743	17,500	1,06,637	46,968	51,686	23,510	32,549	26,150	
Interest during construction	(a)...	(a)...	(a)...	55,157	6,56,222	3,37,421	2,17,233	56,54,204	...	8,90,059	NIL	NIL	NIL	NIL	...	
Total Estimate	(a)...	(a)...	(a)...	8,00,634	27,84,496	7,04,681	7,91,730	1,23,73,762	2,10,500	21,35,690	2,48,544	3,12,734	2,49,222	1,86,782	75,040	
Expenditure to end of 1916-1917.																
Direct Charges	(a)...	(a)...	(a)...	(a)...	70,05,553	4,45,382	6,64,859	70,18,733	...	12,29,117	2,86,860	2,36,033	2,34,178	1,68,452	47,948	
Indirect Charges	(a)...	(a)...	(a)...	(a)...	90,463	23,230	43,233	3,01,502	...	1,12,260	50,678	41,576	21,031	25,577	25,434	
Interest during construction	(a)...	(a)...	(a)...	(a)...	14,45,462	4,18,839	4,45,241	56,50,546	...	10,27,893	NIL	NIL	NIL	NIL	...	
Total Expenditure	(a)...	(a)...	(a)...	(a)...	35,41,503	8,97,450	11,52,363	1,23,70,782	...	23,68,279	2,86,033	2,79,609	2,55,210	1,84,033	73,582	
Works as now sanctioned—																
Dam (earth or masonry)	Masonry	Masonry	Masonry.	Earth.	Earth.	Earth.	Earth.	Masonry.	Earth.	Earth.	Earth.	Earth.	Earth.	Earth.	Earth.	Earth.
Total height	92	92	137 (c)	68.00	79.79	65	95	97.64	48.41	78	27.18	15.84	17.12	37.5	22.14	51.50
Canals	(b)...	118†	108(d) †	6.54	(f)69.25	...	(e)...	88.00	...	48	13.79	5.35	2.28	8.38	9.25	...
Distributaries	(b)...	57.46	108(d) †	...	43.36	45	(e)...	70.00	17.00	1.08	NIL	NIL	NIL	1.32	0.85	5.50
Works completed at end of 1916-1917—																
Dam (height completed)	92	92	137 (c)	68.00	79.79	65	90	97.64	48.41	78	27.18	15.84	17.12	37.5	22.14	51.50
Canals	(b)...	118†	108(d) †	6.54	(f)69.25	...	(e)...	88.00	...	48	13.79	5.35	2.28	8.38	9.25	...
Distributaries	(b)...	57.46	108(d) †	...	43.36	45	(e)...	67.00	17.00	1.08	NIL	NIL	NIL	1.32	0.85	5.50

* This area is also commanded by the Nira Left Bank Canal.
 † Corrected as the F. S. L. is raised by 0.50 feet, i.e. to R. L. 103.50.
 ‡ Corrected as found by actual contours.
 (a) Figures given in Statement I-A.
 (b) The tank supplies the Nira Left Bank Canal and bandharas there below.
 (c) Above lowest foundation.
 (d) Above lowest point in river bed.
 (e) The tank supplies the Palhed, Ghar Tâmbat, and Wadhli Canals and their distributaries as noted in Statement I-A.
 (f) Includes 35 miles of Branch Canal.
 (g) Storage available after deducting 508 M. cft. which cannot be used on account of the Poona water-supply.
 (h) Includes 7133 commanded by Matoba Tank.
 (i) After deducting all deposits.
 (j) The catchment area of the drainage channel is 13 square miles in addition.
 (k) Gauged at the respective stations.
 (l) Assumed.
 (m) Gauged in the catchment area.
 (n) The contents at present after deducting all are 75.63 M. cft.
 (o) At provisional F. S. L. R. L. 103.50.
 (p) At original F. S. L. 105.00.

II-A.

Bombay Presidency, excluding Sind, for 1916-1917.

(31)	(32)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)
Mhava Tank.	Parul Tank.	Bhadri Tank.	Kasurli Tank.	Shivem-phal Tank.	Bhadral-vadi Tank.	Koreman Tank.	Ashli Tank.	Pabri Tank.	Upper Man River Works (Nahr Tank).	Yerla River Works (Nehr Tank).	Malol Tank.	Much-kundi Tank.	Oad-heri Tank.	Gobak Canal, 1st Section, and Storage Works.	Tambal Tank.	Med-heri Tank.	Arund Tank.	Madag Tank.	Mā-vin-heri Tank.	Falaha Tank.	
Local Streams.	Parul River.	Meheri River.	Kasurli Nala.	Deccan Tributary of the Bhima River.	Deccan Tributary of the Bhima River.	Nala.	Ashli Nala.	Yerla River.	Man River.	Yerla River.	Wanga Nala.	Much-kundi Nala.	Nala.	Chhatrabha River, 1st Catchment.	Nala.	Med-heri Nala.	Nala.	Kumud-heri River.	Nala.	Falaha Nala.	
13-40	17-33	44	6	33	23	7	22	27-5	20-00	29-23	21-70	20-00	4-08	1,000	43	11	23	240	4-28	7	
27-90	18-70	31-27	12-14	17-05	20-14	22-49	24-30	20-30	12-35	22-25	21-48	20-54	22-54	(a)	(b) 19-27 (m) 21-25	(7) 10-21	(2) 22-00	(3) 20 m (m) 23-31	(1) 20-01	27-27	
172	118-70	(*) 154	9-14	256-64	100-77	104	1,419	407	102	429-77	123-00	621	27-30	207-123	112-00	27-00	76	24-000	42-72	28	
421	151	315	279	833-79	332-12	302	2,230	621	240-04	678-00	427-70	1,028	129-00	2,731-20	442	102	412	302	170-4	102-3	
4,647	2,337	15,126	297	4,500	2,000	2,204	17,222	5,000	2,443	11,224	4,272	2,270	227	(a)	2,000	2,212	1,200	2,221	272	2,200	
4,075	2,127	12,257	472	2,500	2,400	2,224	12,222	4,222	7,222	10,222	4,222	2,417	Not known.	(a)	2,200	2,200	2,011	1,244	722	1,200	
1,700	1,000	12,124	120	1,200	2,000	1,050	11,720	2,200	2,020	6,000	4,222	2,417	220	(a)	2,200	1,022	1,011	2,122	722	210	
1,700	1,000	12,124	120	1,200	2,000	1,050	11,720	2,200	2,020	6,400	4,222	720	217	(a)	2,000	2,000	1,011	1,244	217	210	
...	Not known.	41	Un-certain.	Nil.	Nil.	Nil.	Nil.	Nil.
1,22,212	2,12,222	2,22,222	2,22,222	2,22,222	2,22,222	2,22,222	2,22,222	2,22,222	2,22,222	2,22,222	2,22,222	2,22,222	2,22,222	(a)	2,22,222	2,22,222	2,22,222	2,22,222	2,22,222	2,22,222	2,22,222
10,222	2,222	2,222	2,222	2,222	2,222	2,222	2,222	2,222	2,222	2,222	2,222	2,222	2,222	(a)	2,222	2,222	2,222	2,222	2,222	2,222	2,222
1,40,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	(a)	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212
1,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	(a)	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212
10,175	2,222	2,222	2,222	2,222	2,222	2,222	2,222	2,222	2,222	2,222	2,222	2,222	2,222	(a)	2,222	2,222	2,222	2,222	2,222	2,222	2,222
1,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	(a)	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212	2,22,212
Earth.	Earth.	Masonry	Earth.	Earth.	Earth.	2 dams, 1 earth & 1 masonry.	Earth.	Earth.	Earth.	Earth.	Earth.	Masonry	Earth.	Masonry weir.	Earth.	Earth.	Earth.	Earth.	Earth.	Earth.	
44	22-27	20	22-45	24-22	22-00	71 & 12	27-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22
...	...	4-50	...	...	...	2-72	27-20	4-02	17-20	22-22	2-22	2-5	2-22	27 ft. (maximum above foundation). 12-12	Nil.	Nil.	Nil.	2	Nil.	4-22
7	4-72	2-50	1-72	12-20	2-72	...	2-12	2-22	2-22	4	7-22	2-22	2-22	22-42	2-27	2-22	4-22	Nil.	2-72	Nil.	
44	22-27	20	22-45	24-22	22-00	71 & 12	27-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22	22-22
...	...	4-50	...	...	...	2-72	27-20	4-02	17-20	22-22	2-22	2-5	2-22	4-10 and Wadga & 12-12	Nil.	Nil.	Nil.	2	Nil.	2-22
7	4-72	2-50	1-72	12-20	2-72	...	2-12	2-22	2-22	4	7-22	2-22	2-22	22-42	2-27	2-22	4-22	Nil.	2-72	Nil.	

STATEMENT
Capital Account of Irrigation Works in Deccan

Name of Work.	DURISE YEAR.								
	Direct Charges.						Indirect Charges.		
	Works.	Establishment.	Tools and Plant.	Total.	Deduct-Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
MAJOR WORKS.									
35.—PROTECTIVE IRRIGATION WORKS.									
<i>In Operation.</i>									
1. Pravara River Canal	8,18,054	1,64,277	-1,72,464	8,09,867	1,322	8,08,545	3,428	22,999	26,422
2. Chankapur Tank	18,374	2,692	208	16,974	...	16,974	...	405	405
3. Godavari Canal	1,28,296	40,346	1,227 (a) 811	1,65,480	...	1,65,480	1,518	5,648	7,166
4. Nira Canal and Shetphal Tank ... ..	...	...	...	...	...	...	...	...	...
5. Mhasvad Tank ... ..	...	...	...	...	...	...	...	...	...
Total ...	9,55,224	2,07,515	-1,71,029 (a) 811	9,92,321	1,322	9,90,999	4,941	29,052	88,998
<i>Under Construction.</i>									
6. Maladoli Tank ... ..	...	...	...	...	...	...	...	...	...
7. Budhalal Tank	283	61	4	348	210	138	...	9	9
8. Nira Right Bank Canal	12,08,580	2,12,422	27,392 (a) 9,851	14,58,245	8,640	14,54,605	1,046	29,739	30,785
Total ...	12,08,863	2,12,483	27,392 (a) 9,851	14,58,593	8,850	14,64,743	1,046	29,748	80,794
Total, Protective Works ...	21,64,087	4,19,998	-1,43,638 (a) 10,462	24,50,914	5,172	24,45,742	5,987	58,800	64,787
49.—IRRIGATION WORKS.									
PRODUCTIVE WORKS.									
9. Hathmati Canal and Khari Cut Canal ... ..	...	...	...	...	...	...	...	...	...
10. Lower Panjhra River Works ... ..	...	...	...	...	...	...	...	...	...
11. Kadra River Works ... ..	...	...	...	...	...	...	...	...	...
12. Pravara River Works—Lakh Canal ... ..	...	...	...	...	...	...	...	...	...
13. Mutha Canals and Matoba Tank	24,954	8,368	539	33,903	...	33,903	...	1,171	1,171
14. Ekrak Tank ... ..	...	...	...	...	...	...	...	...	...
15. Eriahna Canal	1,560	385	24	1,910	...	1,919	...	47	47
Total, Productive Works ...	28,514	8,701	607	36,822	...	36,822	...	1,218	1,21
Total, Major Works ...	21,90,601	4,28,699	-1,43,026 (a) 10,462	24,66,736	5,172	24,81,564	5,987	60,018	66,005
43.—MINOR WORKS AND NAVIGATION.									
<i>In Operation.</i>									
16. Wangrol Tank	2,256	313	22	2,590	...	2,590	...	44	44
17. Franze-Nagramma Tanks ... ..	...	...	...	...	...	...	...	...	...
18. Savil Tank ... ..	...	...	...	...	...	...	...	...	...
19. Sahlat do. ... ..	...	...	...	...	...	...	...	...	...
20. Patelao do. ... ..	...	...	...	...	...	...	...	...	...
21. Hartala do. ... ..	...	...	...	...	...	...	...	...	...
22. Mhasva do. ... ..	...	...	...	...	...	...	...	...	...
23. Janda Canals ... ..	...	...	...	...	...	...	...	...	...
24. Parsul Tank ... ..	...	...	...	...	...	...	...	...	...
25. Pravara Left Bank Canal ... ..	...	...	...	...	...	...	...	...	...
26. Bhatodi Tank ... ..	...	...	...	...	...	...	...	...	...
27. Kasurdi do. ... ..	...	...	...	...	...	...	...	...	...
28. Shirsaphal do. ... ..	...	...	...	...	...	...	...	...	...
29. Bhadalwadi do. ... ..	...	...	...	...	...	...	...	...	...
30. Koregaon do. ... ..	...	...	...	...	...	...	...	...	...
31. Ashi do. ... ..	...	...	...	...	...	...	...	...	...
32. Takhri do. ... ..	...	...	...	...	...	...	...	...	...
33. Revari Canal ... ..	...	...	...	...	...	...	...	...	...
34. Upper Man River Works ... ..	...	...	...	...	...	...	...	...	...
35. Yerla River Irrigation Works ... ..	...	...	...	...	...	...	...	...	...
Carried over ...	3,069	487	34	3,590	...	3,590	6,680	68	6,748
Total ...	21,90,601	4,28,699	-1,43,026 (a) 10,462	24,66,736	5,172	24,81,564	5,987	60,018	66,005

(a) Suspense Account.

I-B.
and Gujarat for and to end of 1916-1917.

Grand Total.	To end of Year.										Grand Total.
	Direct Charges.						Indirect Charges.				
	Works.	Establishment.	Tools and Plant.	Total.	Deduct— Receipts on Capital Account.	Total.	Capital- sation.	Leave and Pension Allowances.	Total.		
11	12	13	14	15	16	17	18	19	20	21	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
8,84,967	52,92,163	10,86,337	1,70,094	65,48,946	5,288	65,43,657	58,644	1,52,107	2,10,801	67,64,458	
17,379	14,76,523	3,08,509	(a) 154 56,105	18,43,104	2,133	18,41,023	17,207	48,830	61,127	10,03,152	
1,72,646	80,16,029	12,50,059	2,23,224 (a) 2,850	95,33,003	2,025	95,31,043	3,09,533	1,70,332	4,87,865	1,00,08,407	
...	48,23,666	11,58,484	1,22,069	61,05,118	8,382	60,96,736	1,84,874	1,70,401	3,64,355	64,01,071	
...	16,98,308	3,45,781	62,937	20,07,026	1,473	20,05,553	36,024	53,539	90,403	20,00,010	
10,24,992	2,12,06,594	41,80,507	6,37,338 (a) 2,702	2,00,27,351	12,301	2,00,08,050	6,06,303	6,08,310	12,14,611	2,72,22,031	
...	2,42,869	60,546	1,473	3,04,889	2,348	3,02,040	875	9,018	9,893	3,11,028	
147	3,98,000	89,530	5,025	4,92,025	1,569	4,91,040	5,741	12,330	18,277	5,00,315	
14,85,390	88,91,680	12,78,546	5,58,834 (a) 17,600	1,07,46,719	7,307	1,07,39,412	67,637	1,75,900	2,33,537	1,09,70,043	
14,85,537	95,32,609	14,28,030	5,65,338 (a) 17,600	1,15,44,233	11,744	1,15,32,489	64,258	2,00,546	2,64,708	1,17,07,240	
25,10,529	3,07,39,303	56,69,197	12,02,721 (a) 20,363	3,75,71,583	31,045	3,75,40,538	6,70,615	8,09,364	14,70,979	3,00,10,017	
...	10,05,076	2,24,187	13,189	12,42,452	1,400	12,40,052	30,508	38,302	74,900	13,15,073	
...	3,67,303	74,888	3,228	4,45,419	37	4,45,382	8,094	14,546	20,230	4,68,021	
...	7,60,535	1,88,801	22,555	9,71,891	140	9,71,741	31,133	31,317	62,450	10,34,101	
...	2,64,529	68,641	19,477	3,52,647	201	3,52,446	5,824	13,021	19,445	3,71,801	
35,074	63,00,804	11,43,272	1,28,123 (a) 1,136	76,31,063	12,828	76,18,235	93,623	2,07,076	3,01,503	70,20,237	
...	10,07,089	2,12,609	9,713	12,29,311	1,194	12,28,117	69,048	42,321	1,12,209	13,40,326	
1,960	7,85,182	1,55,270	2,568	8,92,960	...	8,92,960	21,822	20,060	61,482	9,44,442	
37,040	1,05,00,448	20,67,588	1,98,868 (a) 1,136	1,27,66,733	15,369	1,27,50,364	2,67,647	3,77,330	6,45,377	1,33,05,741	
25,47,569	4,12,39,751	76,76,705	14,01,574 (a) 19,226	5,03,37,316	46,414	5,02,90,902	9,38,002	11,86,094	21,24,766	5,24,15,658	
2,634	2,10,185	27,707	1,811	2,39,703	743	2,38,960	40,225	3,380	50,105	2,80,065	
...	2,22,942	14,168	524	2,38,034	2	2,38,032	40,020	1,938	42,008	2,80,035	
...	2,02,183	30,269	1,974	2,34,426	247	2,34,179	16,708	4,238	21,031	2,55,210	
...	1,84,806	22,199	1,443	1,88,462	...	1,88,462	22,470	3,107	25,577	1,84,029	
7,704	88,822	17,325	1,209	1,07,856	...	1,07,856	6,680	2,425	9,105	1,16,401	
...	38,437	11,938	2,679	47,962	4	47,948	23,052	2,382	25,434	73,342	
...	1,01,259	26,309	1,123	1,28,787	6	1,28,781	5,028	6,140	10,176	1,38,956	
...	7,86,229	1,91,841	13,123	9,91,199	21	9,91,178	12,015	37,956	49,911	10,41,089	
...	1,62,423	42,832	2,823	2,09,078	71	2,08,907	972	6,016	6,988	2,14,955	
...	2,34,168	65,770	4,523	3,04,461	144	3,04,317	6,943	16,290	23,233	3,27,550	
...	2,13,938	70,183	9,354	3,58,275	690	3,57,585	13,023	13,909	27,022	3,75,717	
...	31,433	8,495	894	40,812	...	40,812	3,079	1,860	4,774	45,500	
...	1,71,148	38,190	2,861	2,12,199	...	2,12,199	5,137	7,232	12,369	2,24,568	
...	1,67,001	53,423	2,821	2,13,115	...	2,13,115	4,007	10,240	14,307	2,27,422	
...	30,044	7,681	218	37,923	...	37,923	...	1,295	1,295	32,189	
...	0,09,236	1,45,084	8,122	7,62,442	5,392	7,67,060	62,311	26,790	70,041	8,39,091	
...	5,21,783	1,00,435	7,403	6,29,621	1,796	6,27,825	920	14,001	15,021	6,42,846	
...	47,057	9,653	21	60,771	...	60,771	1,209	1,781	3,040	63,811	
...	3,14,288	95,008	6,782	4,16,076	241	4,15,835	5,840	17,571	23,451	4,39,286	
...	5,89,556	1,24,186	8,065	7,21,907	2,365	7,19,542	22,634	22,644	45,278	7,64,820	
10,238	49,21,930	11,22,874	77,965	61,22,689	11,722	61,00,967	2,89,196	2,00,589	4,89,785	66,00,752	
25,47,569	4,12,39,751	76,76,705	14,01,574 (a) 19,226	5,03,37,316	46,414	5,02,90,902	9,38,002	11,86,094	21,24,766	5,24,15,658	

STATEMENT

Name of Work.	DURING YEAR.								
	Direct Charges.					Indirect Charges.			
	Works.	Establish- ment.	Tools and Plant.	Total.	Deduct— Receipts on Capital Account.	Total.	Capital- ization.	Leave and Pension Allowances.	Total.
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	21,90,601	4,28,699	-1,43,026 (a)10,462	24,56,736	5,172	24,81,564	5,987	60,018	66,005
	3,069	487	34	3,590	...	3,590	6,680	68	6,748
49.—MINOR WORKS AND NAVIGATION—concluded.									
<i>In Operation—concluded.</i>									
36. Chikhli Canal ... ..	...	...	...	...	...	...	...	...	...
37. Maini Tank ... ..	...	...	...	...	...	...	...	...	...
38. Muchkundi do. ... ..	...	...	...	...	...	...	...	...	...
39. Gadikeri do. ... ..	...	...	...	...	...	...	...	...	...
40. Gokak Canal, 1st Section, and Storage Works ... ..	...	...	...	...	...	...	...	...	...
41. Dambal Tank ... ..	...	...	...	...	...	...	...	...	...
42. Modleri do. ... ..	...	...	...	...	...	...	...	...	...
43. Madag do. ... ..	...	...	...	...	...	...	...	...	...
44. Asundi do. ... ..	...	...	...	...	...	...	...	...	...
45. Mavinkop do. ... ..	...	...	...	...	...	...	...	...	...
46. Dharmá Canal	2,086	438	30	2,554	...	2,504	...	61	61
Total ...	5,105	925	64	6,094	...	6,094	6,680	129	6,809
<i>Under Construction.</i>									
47. Victoria Tank	86	8	1	45	147	-102	...	1	1
48. Suki River ... ..	...	...	...	...	...	...	...	...	...
Total ...	86	8	1	45	147	-102	...	1	1
<i>In Abeyance.</i>									
49. Gokak Canal, 2nd Section ... ..	...	...	...	...	...	...	...	...	...
Total, Minor Works ...	5,141	933	65	6,139	147	5,992	6,650	130	6,810
GRAND TOTAL ...	21,95,742	4,29,632	-1,42,951 (a)10,462	24,92,375	5,319	24,87,556	12,667	60,148	72,815

I-B—concluded.

Grand Total.	To end of Year.										Grand Total.
	Direct Charges.					Indirect Charges.					
	Works.	Establishment.	Tolls and Plant.	Total.	Deduct—Receipts on Capital Account.	Total.	Capitalisation.	Leave and Pension Allowances.	Total.		
11	12	13	14	15	16	17	18	19	20	21	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
25,47,569	4,12,99,751	70,76,765	14,01,574 (a) 19,226	5,03,37,316	46,414	5,02,90,903	6,38,003	11,80,694	21,24,766	5,34,15,054	
10,338	49,21,980	11,22,574	77,956	61,23,030	11,722	61,00,007	2,80,196	2,00,299	4,80,785	66,00,752	
...	80,984	13,611	208	58,803	...	58,803	917	2,722	3,059	57,442	
...	3,48,053	1,16,100	3,512	4,62,665	540	4,62,125	3,875	21,650	25,525	4,87,600	
...	1,11,830	26,360	2,294	1,40,484	207	1,40,217	14,306	4,104	18,410	1,58,707	
...	13,105	3,118	140	16,363	...	16,363	13	642	655	16,018	
...	11,00,148	1,31,106	21,236	13,02,490	740	13,01,750	52,279	20,203	80,172	(d) 13,81,922	
...	49,262	10,769	878	60,909	62	60,847	1,034	2,029	3,133	63,980	
...	61,881	15,324	1,156	78,360	6	78,354	243	3,705	3,938	81,302	
...	1,26,596	31,641	2,325	1,61,202	14	1,61,188	...	6,550	6,564	1,67,742	
...	43,805	10,931	1,056	55,792	...	55,792	12,530	1,718	14,354	74,146	
...	23,738	6,232	353	30,323	138	30,185	2,101	1,918	4,019	34,204	
2,565	69,582	15,010	994	85,586	...	85,586	3	2,101	2,104	87,690	
12,903	69,09,864	15,53,226	1,12,535	85,75,625	13,480	85,62,145	3,77,592	2,72,781	6,50,373	92,12,400	
-101	45,398	9,478	544	55,418	848	54,566	2,400	1,327	3,700	54,365	
...	12,212	2,749	173	15,139	...	15,139	...	846	865	16,521	
-101	57,608	12,222	722	70,552	848	69,704	2,403	1,712	4,175	73,879	
...	92,036	70,024	14,246	1,76,306	...	1,76,306	740	13,238	18,978	1,90,284	
12,302	70,59,608	16,35,472	1,27,503	88,22,483	14,837	88,08,140	3,60,785	2,87,731	6,08,516	94,76,652	
25,60,871	4,82,99,259	93,12,237	15,29,077 (a) 19,226	5,01,59,790	60,761	5,00,99,029	13,15,847	14,74,425	27,93,272	6,18,92,300	

(a) Suspense Account.

(d) Includes Rs. 4,12,666 charged to 35—Protective Irrigation Works.

E. M. COOK,
Accountant General, Bombay.

Statement showing the Financial Results of Irrigation Works in

(Realizations under main heads of

Name of Work.	REVENUE (ACTUAL RECEIPTS).											Revenue	
	Irrigation.			Navigation.	Plantations.	Water-power.	Miscellaneous.	Total.	Refunds of Revenue.	Gross Revenue, less refunds.	Estab.		
	Water-rate directly paid.	Share of Land Revenue.	Total.								Direction.	Executive.	
	1	2	3	4	5	6	7	8	9	10	11	12	13
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
85.—Protective Irrigation Works.													
1. Pravara River Canal ...	15,078	...	15,078	...	838	...	411	15,827	402	15,425	275	3,133	
2. Chankapur Tank ...	12,867	...	12,867	...	...	...	260	12,627	...	12,627	262	4,459	
3. Godivari Canal ...	2,07,914	...	2,07,914	...	923	...	8,558	2,17,795	-10,316	2,26,111	1,839	19,974	
4. Nira Canal and Shotphal Tank ...	4,87,341	...	4,87,341	...	1,250	...	6,423	4,95,014	339	4,94,675	1,986	38,287	
5. Mhaswad Tank ...	89,580	...	89,580	...	2,059	...	1,238	42,877	21	42,856	219	6,177	
Total ...	7,62,280	...	7,62,280	...	4,570	...	17,290	7,84,140	-9,555	7,93,695	4,591	72,035	
49.—IRRIGATION WORKS.													
Productive Works.													
9. Hâhmatî and Khâri Cut Canals ...	28,419	...	28,419	...	246	...	5,874	84,533	296	84,248	427	8,373	
10. Lower Pânjra River Works ...	12,539	3,245	15,784	...	569	...	1,594	17,047	...	17,947	75	679	
11. Kâdva River Works ...	28,170	594	28,773	...	27	...	2,718	31,518	...	31,518	332	4,039	
12. Pravara River Works—Lakkh Canal ...	989	225	1,214	...	107	...	587	1,908	...	1,908	39	553	
13. Mutha Canals and Matoba Tank ...	2,20,517	...	2,29,517	9	2,652	...	1,96,215	4,27,393	60	4,27,333	2,148	35,515	
14. Ekruk Tank ...	21,865	...	21,865	...	900	...	51,315	73,580	12	73,568	181	2,514	
15. Krishna Canal ...	86,223	...	86,223	...	...	...	2,589	89,122	1	89,121	144	1,438	
Total ...	4,07,331	4,064	4,11,295	9	4,501	...	2,00,202	6,76,007	369	6,75,638	3,246	48,176	
Total, Major Works ...	11,09,511	4,064	11,73,576	9	9,071	...	2,77,492	14,60,147	-9,186	14,69,933	7,837	1,20,211	
49.—MINOR WORKS AND NAVIGATION.													
16. Wangrolî Tank ...	1,398	1,787	3,165	...	...	...	1,301	4,556	...	4,556	89	705	
17. Trana-Nagramme ...	...	60	60	...	...	...	487	547	5	542	38	260	
18. Savli Tank ...	2,230	...	2,230	...	...	...	548	2,784	...	2,784	90	712	
19. Sahiât do. ...	464	...	464	...	...	...	723	1,187	...	1,187	85	674	
20. Futelao do. ...	...	...	...	...	...	...	153	153	...	153	21	104	
21. Hartâla do. ...	331	...	331	...	47	...	813	691	...	691	13	205	
22. Mahuva do. ...	1,568	...	1,568	...	55	...	1,476	3,038	...	3,039	38	312	
23. Jânda Canals ...	8,556	...	8,556	...	2,803	...	527	11,886	6	11,892	187	1,582	
24. Paraul Tank ...	6,131	...	6,131	...	...	...	27	6,158	...	6,156	71	1,397	
25. Pravara Left Bank Canal ...	8,745	76	8,821	...	42	...	2,309	6,182	...	6,182	58	846	
26. Bhâdolî Tank ...	4,133	5,200	9,333	...	26	...	1,372	8,224	...	8,224	26	194	
27. Kâsudi do. ...	513	...	513	...	...	...	41	554	...	554	9	103	
28. Shirsaphal do. ...	3,974	...	3,974	...	...	...	930	4,904	...	4,904	38	540	
29. Bhâdalwâli do. ...	4,431	...	4,431	...	70	...	117	4,668	...	4,668	39	555	
30. Koregaon do. ...	3,112	...	3,112	...	3	...	47	3,162	...	3,162	12	156	
31. Ashti do. ...	15,699	...	15,699	...	74	...	2,431	18,114	24	18,090	60	509	
32. Pâthri do. ...	5,590	...	5,590	...	21	...	120	5,781	...	5,731	26	303	
33. Rovari Canal ...	6,731	...	6,731	...	...	...	512	7,243	...	7,243	22	234	
34. Upper Mân River Works ...	4,337	...	4,337	...	...	...	1,047	5,384	...	5,384	40	390	
35. Yerla River Irrigation Works ...	17,977	...	17,977	...	...	...	487	18,464	...	18,464	65	750	
36. Chiklî Canal ...	2,635	...	2,635	...	...	...	1,393	3,928	14	3,914	8	73	
37. Mâjal Tank ...	6,740	...	6,740	...	...	...	1,535	8,270	22	8,254	42	473	
38. Mûchundi do. ...	...	...	...	...	...	...	171	171	...	171	1	12	
39. Gadikeri do. ...	...	2,061	2,061	...	...	...	...	2,061	...	2,061	...	...
40. Gokâk Canal, First Section, and Storage Works ...	25,933	...	25,933	...	...	14,313	2,864	43,100	...	43,160	156	2,108	
41. Dâmbal Tank ...	308	916	1,284	...	...	...	647	1,931	...	1,931	14	583	
42. Medleri do. ...	445	...	445	...	...	...	326	771	...	771	10	452	
43. Mûng do. ...	1,659	...	1,659	...	62	...	141	1,752	...	1,752	23	856	
44. Asudi do. ...	608	687	1,295	...	...	...	547	1,842	...	1,842	12	538	
45. Mâvinop do. ...	...	2,244	2,244	...	...	...	...	2,244	...	2,244	28	797	
46. Dharma Canal ...	2,347	4,961	7,308	...	...	...	84	2,530	...	2,530	56	1,416	
Total, Minor Works and Navigation ...	1,31,558	5,056	1,36,614	...	3,193	14,313	23,157	1,77,277	71	1,77,206	1,415	18,183	
GRAND TOTAL ...	13,01,069	9,120	13,10,189	9	12,264	14,313	3,00,640	16,37,422	-9,115	16,46,536	9,242	1,38,394	

I-C.

Dacca and Gujarat for the year ending 31st March 1916-1917.

Revenue and Working Expenses.)

Management.			Maintenance and Repairs.													Grand Total Working Expenses.	Net Revenue.
Department.		Total Revenue Management.	Establishment.				Works.	Repairs.	Buildings.	Tools and Plant.	Plantations.	Total Cost of Maintenance.	Indirect Charges.	Total.			
Navigation.	Civil Officers.		Direction.	Executive.	Medical.	Total.											
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
...	752	4,105	222	2,538	...	2,760	...	11,317	...	100	241	14,514	804	10,048	-4,118		
...	618	5,389	117	1,988	...	2,105	329	7,160	...	120	1,211	10,031	960	17,229	-4,502		
...	10,599	82,412	1,620	17,597	...	10,217	8,643	68,808	...	1,163	9,222	1,02,008	5,744	1,40,254	87,857		
...	24,393	64,896	750	14,440	...	15,199	18,581	48,820	...	78	5,081	62,280	7,700	1,54,000	8,40,011		
...	2,038	8,429	51	1,449	...	1,500	277	5,507	...	50	214	7,508	1,108	17,123	43,734		
...	38,365	1,14,861	2,700	39,021	...	40,781	17,350	1,41,140	...	1,008	10,020	2,17,004	10,490	2,44,810	4,44,885		
...	1,421	5,226	708	5,572	...	6,275	2,466	22,360	...	377	275	31,758	1,411	38,300	-4,147		
...	1,868	2,132	98	842	...	935	1,551	2,150	...	80	104	4,796	280	7,187	10,760		
...	1,410	5,741	98	1,735	...	1,533	20	6,917	...	110	510	9,420	808	10,024	15,304		
...	78	605	22	317	...	339	...	1,350	...	20	...	1,718	180	2,510	-002		
...	11,328	48,901	996	16,472	...	17,468	8,403	92,004	...	5,520	530	1,10,094	7,718	1,75,703	2,51,500		
...	1,088	8,763	108	1,494	...	1,602	280	6,480	...	93	687	8,104	508	12,400	41,000		
...	5,472	7,054	147	1,472	...	1,619	...	6,017	404	97	460	8,597	448	10,000	79,022		
...	22,140	73,562	2,167	27,904	...	30,071	7,810	1,30,393	404	6,276	2,525	1,33,169	11,441	2,04,473	4,07,109		
...	60,505	1,88,548	4,927	65,925	...	70,862	25,640	2,77,520	404	7,884	18,554	4,00,863	27,976	5,17,283	8,52,051		
...	297	1,001	147	1,168	...	1,310	1,874	3,766	...	70	160	6,030	205	8,015	-3,450		
...	8	299	54	480	...	484	638	1,291	...	20	26	2,147	100	2,965	-2,313		
...	112	914	151	1,190	...	1,341	1,076	4,240	...	80	50	6,787	300	8,001	-5,217		
...	23	782	137	1,097	...	1,234	1,618	3,266	...	75	50	6,243	270	7,304	-8,117		
...	...	185	84	269	...	303	...	1,216	...	18	...	1,537	98	1,700	-1,637		
...	29	147	22	170	...	192	631	147	...	11	...	941	43	1,171	-480		
...	79	424	86	347	...	383	594	739	...	23	200	1,030	192	2,405	611		
...	428	2,597	173	1,825	...	1,998	5,138	8,038	...	120	305	10,041	682	13,003	-2,083		
...	307	1,775	27	521	...	548	1,723	574	...	33	...	2,977	292	4,934	1,224		
...	194	1,128	89	884	...	973	...	3,121	...	58	1,312	5,404	207	6,957	-605		
...	412	602	79	604	...	593	784	1,518	...	25	63	2,918	108	3,059	4,599		
...	26	139	7	64	...	91	...	362	...	0	...	459	29	625	-71		
...	139	777	22	310	...	332	...	1,326	...	20	...	1,678	127	2,582	2,322		
...	224	821	22	315	...	337	...	1,313	...	19	36	1,705	131	2,067	2,011		
...	155	824	8	101	...	109	7	414	...	8	21	559	80	622	2,240		
...	990	1,568	85	723	...	808	941	2,100	...	49	100	4,098	193	5,840	12,211		
...	279	608	20	238	...	258	30	919	...	14	91	1,312	82	2,002	3,720		
...	337	593	21	218	...	237	...	905	...	14	44	1,200	69	1,892	6,391		
...	217	647	42	412	...	454	...	1,051	...	27	104	2,295	124	3,007	2,317		
...	899	1,743	108	952	...	1,070	...	3,738	...	64	543	5,415	209	7,426	11,034		
...	132	218	11	96	...	107	...	409	...	0	22	543	26	782	3,142		
...	337	852	36	391	...	420	...	1,387	...	20	218	2,167	132	3,741	5,118		
...	...	13	3	22	...	25	...	99	...	1	...	125	5	143	29		
...	206	206	4	18	...	22	...	106	...	2	...	130	3	339	1,722		
...	1,314	8,578	96	1,800	...	1,396	31	5,585	...	84	...	7,006	512	11,186	31,074		
...	110	707	2	89	...	91	...	374	...	5	...	470	98	1,273	654		
...	22	484	1	59	...	60	...	242	...	4	...	300	78	608	-91		
...	78	957	4	149	...	163	...	511	...	9	100	773	144	1,074	-122		
...	99	649	2	76	...	78	...	312	...	5	...	395	86	1,132	710		
...	224	1,049	6	186	...	192	...	775	...	12	...	979	142	2,170	74		
...	-375	1,099	-2	-48	...	-100	...	-108	...	19	...	-140	199	1,168	-3,688		
...	7,370	26,368	1,446	14,099	...	15,545	14,539	45,420	...	954	3,024	60,082	5,016	1,12,066	65,140		
...	87,875	2,15,511	6,273	80,024	...	86,397	40,179	3,22,949	404	8,338	32,178	4,80,945	32,892	7,29,348	9,17,191		

E. M. COOK,
Accountant General, Bombay.

Statement showing the Financial Results of Irrigation Works in the

Number of Works	Name of Works.	General Financial Results to end							
		Mileage in operation.		Estimated cost of construction (direct and indirect).	Date of completion of work (P. W. Code II, 1918).	Date when system first came into operation.	Total Capital outlay (direct and indirect).	Accumulated arrears of interest.	Accumulated surplus revenue.
		Main canals and branches.	Distributaries.						
1	2	3	4	5	6a	6b	7	8	9.
MAJOR WORKS.									
35.—PROTECTIVE IRRIGATION WORKS.									
<i>In Operation.</i>									
1	Pravara Canal	33-00	13-00	76,10,628	Not completed.	1909-10	67,54,458	6,07,807	...
2	Chandrapur Tank	13-11	9-68	19,83,073	1909-10	1909-10	19,02,189	6,74,602	...
3	Gokhvari Canal	118-60	87-46	98,36,261	1915-16	1911-12	1,00,08,897	17,40,004	...
4	Nira Canal including Shetpal Tank	106-79	139-00	64,01,071	1898-99	1885-86	64,01,071	23,21,470	...
5	Mhaswad Tank	60-25	41-00	20,06,016	1900-01	1884-85	20,06,016	22,93,896	...
6	Gokak Canal, 1st Section	.....	.....	4,12,000	1938-37	1894-85	4,12,000	5,32,145	...
Total		317-65	206-39	2,83,69,932	.....	.....	2,76,35,207	88,75,794	...
<i>Under Construction.</i>									
7	Maldandi Tank	.....	.....	3,14,674	Not plotted.	Under construction.	3,11,923	2,00,810	...
8	Budhbal Tank	.....	.....	2,57,72,499			1,06,76,045	6,65,900	...
9	Nira Right Bank Canal	.....	.....	.....			.....	.....	.....
Total		.....	.....	2,76,41,084	.....	.....	1,17,07,289	12,67,308	...
Total, Protective Irrigation Works		337-85	260-39	5,50,11,660	.....	.....	3,94,32,632	96,33,039	...
40.—IRRIGATION PRODUCTIVE WORKS.									
10	Hathmati Canal, including Khari Cut Canal.	63-00	57-00	13,16,973	1893-94	1873-74	13,16,973	8,44,747	...
11	Lower Panjura River Works.	42-00	40-00	4,09,021	1904-05	1861-35	4,16,321	4,31,653	...
12	Kadwa River Works	21-12	14-39	10,34,191	1907-09	1906-60	10,34,191	10,11,229	...
13	Pravara River Works—Lakh Canal...	23-00	9-37	3,71,891	1893-94	1869-70	3,71,891	0,90,133	...
14	Mutha Canal, including Malsoba Tank	88-10	87-03	78,70,889	1898-97	1874-75	79,20,237	30,00,140	...
15	Gokak Tank	48-30	1-08	13,40,348	1891-91	1872-73	13,40,348	16,10,528	...
16	Krishna Canal	63-97	.....	9,46,769	1841-92	1869-70	9,44,442	6,04,750	...
Total, Productive Works		306-99	214-41	1,33,47,620	.....	.....	1,33,86,741	93,68,490	...
Total, Major Works		644-84	474-80	6,83,69,106	.....	.....	5,28,58,334	1,90,01,529	...
43.—MINOR WORKS AND NAVIGATION—IRRIGATION WORKS.									
17	Wangrol Tank	13-79	.....	2,90,316	1899-09	19-05	2,80,065	1,31,251	...
18	Taranga Nagrana Tanks	7-90	.....	2,70,035	1909-10	1909-05	2,59,635	1,32,913	...
19	Savli Tank	1-32	.....	3,55,211	19-10	19-50	3,55,210	1,32,016	...
20	Sahat do.	9-25	0-85	1,84,029	1911-13	1910-11	1,94,209	1,13,470	...
21	Puteleo do.	3-99	.....	1,16,401	1914-17	1915-16	1,16,401	8,656	...
22	Hattala do.	.....	.....	6,56	73-3-2	1885-87	73,382	62,874	...
23	Mhaswa do.	.....	.....	7-00	1,58,853	1868-87	1,57,758	2,10,968	...
24	Jandua Canal	39-00	75-00	10,41,939	1911-02	1870-71	10,41,929	21,18,755	...
25	Parul Tank	.....	4-75	2,16,916	1893-95	1878-90	2,14,906	2,10,317	...
26	Pravara Left Bank Canal	19-00	21-00	8,47,350	1892-93	1873-75	8,47,350	5,54,580	...
27	Bhatodi Tank	4-60	5-50	3,79,707	1891-23	1871-72	3,79,707	6,19,860	...
28	Kaundri do.	.....	1-75	45,690	1877-73	1899-70	45,690	94,668	...
29	Shivnubhal do.	.....	12-30	2,23,568	1893-94	1893-93	2,24,663	2,56,608	...
30	Bhadalwadi do.	.....	9-75	2,27,423	1890-91	1881-92	2,27,423	2,72,792	...
31	Korogson do.	3-75	.....	30,189	1891-93	1869-80	30,183	63,256	...
32	Ashli do.	27-60	3-15	8,30,091	1899-93	1891-32	8,30,091	10,26,719	...
33	Patri do.	4-66	3-33	6,42,541	19-6-09	1891-92	6,42,541	2,15,009	...
34	Bewardi Canal	10-35	.....	59,811	1892-93	1862-68	59,811	29,852	...
35	Upper Man River Works	17-30	0-50	4,39,296	1891-92	1872-73	4,39,296	6,47,744	...
36	Neria River Irrigation Works	3-33	4-00	7,71,814	1894-95	1869-70	7,64,870	9,47,411	...
37	Chikhli Canal	6-50	.....	57,442	1882-83	1871-71	57,442	89,743	...
38	Maini Tank	9-25	7-88	4,87,650	1891-92	1876-76	4,87,650	5,69,279	...
39	Muchkondi Tank	5-30	2-35	1,57,707	1900-21	1881-86	1,58,707	1,52,467	...
40	Gadkedi Tank	.....	.....	16,919	1891-93	1882-88	16,919	.....	42,807
41	Gokak Canal, First Section, and Storage Works	16-13	35-48	9,69,256	1894-97	1891-85	9,69,256	11,807	...
42	Dambal Tank	.....	3-27	65,840	1885-86	1891-81	65,830	55,933	...
43	Meliseri do.	.....	4-87	81,303	1-87-83	1894-85	81,302	1,21,331	...
44	Malsaj do.	9-00	.....	1,49,693	1888-89	1846-87	1,49,688	3,10,946	...
45	Asandri do.	.....	4-26	71,966	1889-90	1844-85	71,966	2,26,561	...
46	Misynkop do.	.....	1-79	33,504	1881-83	1882-83	33,504	3,304	...
47	Dharma Canal	19-00	13-00	98,394	Not completed.	1918-14	87,638	34,448	...
Total		267-65	235-95	68,22,704	.....	.....	67,90,833	94,82,125	42,807
<i>Under Construction.</i>									
48	Victoria Tank	.....	.....	4,01,003	Not completed.	Under construction.	58,355	22,343	...
49	Suld River	16,534	2,855	...
Total		.....	.....	4,01,003	.....	.....	73,879	25,198	...
<i>In Absence.</i>									
50	Gokak Canal, Second Section	.....	.....	1,91,995	.....	.....	1,90,284	2,06,390	...
Total, Minor Works		207-65	232-96	94,75,702	.....	.....	90,63,898	97,73,718	42,807
GRAND TOTAL		813-49	710-76	7,87,34,808	.....	.....	6,18,92,230	2,87,76,243	42,807

(a) Excludes area of wheat cultivated on free supply of canal water from the following canals—

Protective Irrigation Works:—		Productive Works:—		Minor Works:—	
	Acres.		Acres.		Acres.
Nira Canal and Shetpal Tank	1,331	Kadwa River Works	603	Parul Tank	127
Pravara Canal	314	Lakh Canal	123	Kaundri Tank	100
Lower Panjura Tank	880	Mutha Canals	502	Shivnubhal Tank	129
Godavari Canals	6,353			Bhadalwadi Tank	45
Mhaswad Tank	628				
Total	9,631	Total	1,227	Total	295

II-C.

Deccan and Gujarat for, and up to the end of, 1916-1917.

Financial Results of the year 1916-1917.										
Total sum-charge (column 6)	Gross receipts (direct and indirect).	Working expenses (direct and indirect).	Net revenue.	Percentage on Capital outlay, column 7.	Percentage on sum-charge, column 10.	Interest at 8 1/2% per cent. on direct Capital outlay to end of previous year, plus half the outlay of the year.	Net profit.	Net loss.	Area irrigated.	Percentage of working expenses to receipts (column 11 to column 12).
10	11	12	13	14	15	16	17	18	19	20
Rs.	Rs.	Rs.	Rs.	Per cent.	Per cent.	Rs.	Rs.	Rs.	Acres.	Per cent.
76,03,235	15,425	19,543	-4,118	.....	.....	2,02,379	...	2,06,487	2,034	130.70
23,76,001	12,837	17,236	-4,599	.....	.....	60,400	...	68,008	587	136.43
1,17,54,901	2,26,111	1,40,254	87,857	0.98	0.75	3,11,134	...	2,33,367	18,479	61.48
87,42,641	4,04,678	1,54,815	2,49,863	0.28	0.27	2,00,813	1,30,038	...	87,707	31.77
63,89,703	42,665	17,123	25,734	1.23	0.60	60,111	...	60,377	4,061	37.03
9,64,811	.....	.....	.....	.....	.....	13,217	...	13,217	.....	.....
3,60,11,031	7,03,696	3,48,810	4,44,885	1.61	1.24	8,44,313	...	4,00,828	(a) 54,331	67.84
5,13,777	.....	.....	.....	.....	.....	0,968	...	0,958	.....	.....
7,19,308	.....	.....	.....	.....	.....	10,184	...	10,184	.....	.....
1,18,37,003	.....	.....	.....	.....	.....	3,30,030	...	3,30,030	.....	.....
1,80,54,591	.....	.....	.....	.....	.....	3,60,170	.....	3,60,170	.....	.....
4,20,65,623	7,03,696	3,48,810	4,44,885	1.13	0.91	12,10,303	.....	7,04,907	(a) 54,331	43.98
31,80,720	84,312	88,200	-4,187	.....	.....	40,008	...	47,018	8,344	113.11
9,50,374	17,447	7,187	10,260	2.30	1.13	14,681	...	9,321	3,010	60.08
20,45,433	31,613	10,921	15,494	1.50	0.76	32,023	...	10,536	2,148	66.84
12,81,024	963	2,510	-602	.....	.....	11,618	...	12,220	171	131.85
1,18,20,377	4,27,313	1,75,703	2,81,545	2.18	2.18	2,40,846	995	30,015	9,431	41.14
29,67,224	73,653	12,469	61,698	4.66	3.07	40,454	30,015	60,377	1,429	10.05
15,46,192	80,121	10,649	73,023	7.73	4.71	29,463	43,618	.....	8,849	14.94
2,27,04,331	6,76,038	2,68,472	4,07,166	3.04	1.78	4,19,173	.....	12,844	(a) 37,146	60.74
7,18,19,863	14,69,333	6,17,282	8,52,051	1.61	1.19	16,80,104	.....	7,76,467	81,399	48.01
4,20,316	4,658	8,018	-3,459	.....	.....	7,251	...	11,253	1,310	178.02
4,10,548	143	2,456	-2,313	.....	.....	7,247	...	10,100	40	82.73
3,38,856	3,794	8,001	-5,217	.....	.....	7,230	...	12,077	071	3.73
2,96,108	1,187	7,304	-6,117	.....	.....	8,233	...	11,760	813	618.33
1,25,117	1,183	1,703	-580	.....	.....	3,113	...	6,159	80	1,166.93
1,35,438	691	1,171	-480	.....	.....	1,480	...	2,400	30	150.61
3,48,854	3,019	2,165	854	0.45	0.18	4,318	...	5,011	349	70.84
31,69,448	11,680	13,803	-2,683	.....	.....	22,650	...	26,756	1,274	117.63
4,25,382	6,163	4,934	1,229	0.57	0.29	6,417	...	5,433	604	80.12
9,12,239	6,163	6,857	-695	.....	.....	10,691	...	11,369	802	111.29
9,06,897	8,224	8,658	-434	1.30	0.66	11,323	7,060	.....	64,14	.....
1,40,273	54	523	-471	.....	.....	1,340	...	1,417	67	112.02
6,30,576	4,804	2,583	2,221	1.03	0.48	6,026	...	4,673	662	52.41
5,00,304	4,689	2,637	2,052	0.79	0.40	7,025	...	5,016	81	65.02
1,02,448	3,163	3,923	760	0.71	3.10	1,550	900	.....	431	20.14
19,72,510	18,090	5,449	12,641	1.46	0.56	31,016	...	12,715	2,704	32.33
9,18,755	6,731	2,092	3,739	0.56	0.41	20,098	...	10,067	818	31.91
80,463	7,213	1,893	5,320	0.59	0.01	1,671	8,810	.....	671	26.71
10,67,030	4,384	3,067	1,317	0.33	0.21	13,706	...	11,371	608	59.92
17,12,231	18,464	7,426	11,038	1.64	0.64	23,710	1,300	14,041	2,477	40.22
1,51,185	3,914	7,785	3,138	3.45	2.07	1,773	.....	1,028	19.94	.....
10,80,919	8,264	5,141	3,123	1.08	0.47	16,234	...	10,121	1,458	30.05
3,40,774	171	143	28	0.02	0.01	4,223	...	4,666	.....	81.92
10,918	2,061	330	1,732	20.18	10.18	839	1,168	.....	577	16.46
9,81,123	43,160	11,186	31,974	3.30	3.25	39,096	3,270	.....	4,236	30.02
1,29,383	1,931	1,773	158	1.03	0.51	2,016	.....	1,818	313	66.93
2,03,223	771	683	88	.....	.....	2,036	.....	2,078	51	111.23
4,70,518	1,753	1,274	-479	.....	.....	5,315	...	6,437	870	106.66
1,09,576	1,813	1,131	710	0.95	0.45	3,002	...	1,297	342	61.46
30,806	2,241	2,170	71	0.23	0.20	948	...	911	96.70	.....
1,25,087	-2,530	1,156	-3,686	.....	.....	3,718	...	6,464	8,309	.....
1,62,81,938	1,77,208	1,12,098	65,140	0.76	0.36	3,06,626	.....	3,08,786	31,076	63.24
80,886	.....	.....	.....	.....	.....	1,800	.....	1,800	.....	.....
16,379	.....	.....	.....	.....	.....	400	.....	400	.....	.....
99,077	.....	.....	.....	.....	.....	2,300	.....	2,200	.....	.....
4,56,676	.....	.....	.....	.....	.....	5,813	.....	5,813	.....	.....
1,88,97,709	1,77,208	1,12,098	65,140	0.73	0.38	2,17,667	.....	(a) 2,11,667	31,076	63.24
9,06,67,663	16,46,639	7,30,248	9,17,151	1.48	1.01	19,07,141	.....	(a) 9,50,244	1,12,547	44.20

E. M. COOK,
Accountant General, Bombay.

STATEMENT III-C.

Demands and Realizations during the year 1916-1917 in Deccan and Gujarât.

Irrigation Works.	Balance of demands unrealized at commencement of year. (b)	DEMANDS OF THE YEAR (c).				Total including Balance at commencement of year.	Defect—Remissions not including Cash Refunds.	Net Total.	Defect—Amount unrealized at close of year.	Actual Realizations of the year.	
		Babl. 1915-1916.	Kharif. 1916-1917.	Miscellaneous Receipts.	Total.						
1	2	3	4	5	6	7	8	9	10	11	
MAJOR WORKS.											
85.—PROTECTIVE IRRIGATION WORKS.											
1	Pravara River Canal...	—336	8,440	6,579	814	15,833	15,497	.....	15,497	(d)—330	15,827
2	Chankapur Tank ...	21	8,795	8,596	260	15,651	12,672	.....	12,672	45	12,627
3	Godavari Canal ...	2,313	76,755	1,44,777	11,498	2,38,030	2,36,343	735	2,34,008	16,813	2,17,795
4	Nira Canal and Shetphal Tank ...	6,483	55,792	(c)4,27,883	7,672	4,90,847	4,96,330	537	4,95,793	779	4,95,014
5	Mhasvad Tank ...	—762	27,262	12,616	3,297	43,176	42,413	60	42,369	(d)—514	42,877
	Total, Protective Works ...	6,719	1,77,044	5,94,951	23,541	7,95,536	8,02,285	1,322	8,00,963	16,793	7,84,140
49.—IRRIGATION PRODUCTIVE WORKS.											
9	Hâthmati Canal and Khâri Cut Canal ...	1,137	282	32,178	6,120	38,530	39,717	104	39,613	5,074	34,539
10	Lower Panjira River Works ...	173	(c) 4,239	(c) 8,323	2,164	14,726	14,899	.....	14,899	197	14,702
11	Godâvari River Works ...	2,495	12,012	13,904	2,745	28,661	31,156	.....	31,166	232	30,924
12	Pravara River Works—Lakh Canal ...	—135	596	392	694	1,682	1,547	.....	1,547	(d)—136	1,683
13	Mutha Canals and Mâtoba Tank ...	21,669	12,037	2,12,658	1,98,691	4,23,386	4,44,955	53	4,44,902	17,509	4,27,393
14	Ekrûk Tank ...	2,343	5,950	15,573	63,238	84,766	87,609	13	87,596	14,018	73,580
15	Krishna Canal ...	4,290	25,225	65,913	3,119	93,657	97,947	.....	97,947	8,825	89,122
	Total, Productive Works ...	32,372	60,341	3,48,346	2,76,771	6,86,458	7,17,830	170	7,17,660	45,717	6,71,943
	Total, Major Works ...	39,091	2,37,385	9,43,297	3,00,312	14,80,994	15,20,085	1,492	15,18,593	62,510	14,56,083
43.—MINOR WORKS AND NAVIGATION.											
16	Yangroli Tank ...	...	...	1,771	1,791	3,562	3,562	.....	3,562	773	2,789
17	Franza-Nagramma Tank ...	...	...	...	487	487	487	.....	487	...	487
18	Sâvil Tank ...	—1,064	1,096	2,400	543	4,044	2,980	.....	2,980	196	2,784
19	Sahiat do. ...	904	...	...	723	723	1,187	.....	1,187	...	1,187
20	Fuleto do. ...	...	78	...	153	231	231	.....	231	78	353
21	Hartala do. ...	1	187	144	559	690	691	.....	691	...	691
22	Mhasva do. ...	1,042	1,421	178	970	2,669	3,611	481	3,130	81	3,049
23	Jâmda Canals ...	70	2,989	5,504	3,829	11,821	11,891	.....	11,891	5	11,886
24	Farsul Tank ...	1,647	4,239	164	27	4,511	6,158	.....	6,168	...	6,158
25	Pravara Left Bank Canal ...	—55	3,745	...	2,830	6,075	6,030	.....	6,030	(d)—63	6,086
26	Bhâtdoli Tank ...	—686	4,115	116	1,898	6,129	5,443	.....	5,443	(d)—575	6,018
27	Kâsurti do. ...	...	861	152	41	554	554	.....	554	...	554
28	Shirsaphal do. ...	...	1,850	3,114	930	4,904	4,904	.....	4,904	...	4,904
29	Bhâdralâdi do. ...	6	2,488	1,937	187	4,662	4,668	.....	4,668	...	4,668
30	Koregaon do. ...	5	2,628	481	51	3,157	3,162	.....	3,162	...	3,162
31	Ashti do. ...	—178	11,581	5,689	2,505	19,775	19,597	.....	19,597	1,483	18,114
32	Pâthri do. ...	—1	5,472	191	141	5,804	5,803	.....	5,803	72	5,781
33	Revâri do. ...	...	8,930	2,801	512	7,248	7,243	.....	7,243	...	7,243
34	Upper Mân River Works ...	52	3,476	876	1,047	5,399	5,451	.....	5,451	87	5,384
35	Veria River Irrigation Works ...	—28	15,106	2,871	487	18,464	18,436	.....	18,436	(d)—28	18,464
36	Chikhli Canal ...	...	873	1,743	1,293	3,914	3,914	.....	3,914	(d)—14	3,928
37	Mâni Tank ...	...	6,404	276	1,636	8,276	8,276	.....	8,276	...	8,276
38	Machkundî Tank ...	...	...	...	171	171	171	.....	171	...	171
39	Gadikeri do. ...	...	...	...	...	...	...	.....	...	...	...
40	Gokâk Canal, First Section, and Storage Works ...	610	7,023	18,896	17,177	43,006	43,706	27	43,679	519	48,160
41	Dambal Tank ...	23	276	334	647	1,257	1,260	.....	1,260	265	1,015
42	Medleri do. ...	95	56	434	326	816	911	.....	911	140	771
43	Mâsag do. ...	1,926	884	1,255	193	2,342	3,368	.....	3,368	1,616	1,752
44	Asundi do. ...	...	221	391	547	1,159	1,159	.....	1,159	4	1,155
45	Mâvinkop do. ...	...	...	...	...	...	...	.....	...	...	...
46	Dharma Canal ...	—7,709	...	2,201	84	2,255	9,983	.....	9,989	7,567	2,431
	Total, Minor Works ...	10,732	80,847	52,384	40,489	1,74,120	1,84,652	508	1,84,344	12,123	1,72,221
	Grand Total ...	49,823	3,18,032	9,96,281	3,40,801	16,55,114	17,04,937	2,000	17,02,937	74,633	16,38,304

(a) Excluding Irrigation Share of Land Revenue.

(b) Correct balances as now reported by the Revenue Officers in Canal Returns Nos. VI and VII.

(c) Inclusive of assessments shown in Canal Return No. IX.

(d) Excess recovery to be refunded.

(e) Includes Rs. 591 on account of Kharif season 1915-16 shown in Return No. VI for the year 1916-17.

E. M. COOK,
Accountant General, Bombay.

I-E.

Bombay Presidency, excluding Sswl, for the year 1916-17.

AREA IRRIGATED PER CUBIC FOOT PER SECOND.				BASE TO WHICH THE DUTY OF WATER ARE CALCULATED.		Remarks.		
Discharged at Head.		Utilized.		Kharif.	Rabi.			
Kharif.	Rabi.	Kharif.	Rabi.					
14	15	16	17	18	19	20		
82'81	28'04	47'74	32'39	16th June to 15th October	16th October to 15th February.	(a) <i>Pravara Right Bank Canal</i> .—Over 80 per cent. of the kharif area was sugarcane and hence the low duty; it is a fair duty considering the scattered nature of the irrigation.		
82'70	36'30	23'70	30'80					
...					
87'34	110'52	42'61	128'90					
20'68	54'68	29'36	66'62	16th February to 15th October.	16th October to 15th February.	(b) <i>Golavari Canal</i> .—Low duty for kharif was due to the fact that over 80 per cent. of the kharif area was sugarcane and that the canal discharge was run in excess of irrigational requirements. Extra discharge allowed for silty water to seal up the canals as much as possible to reduce percolation.		
128'59	86'67	169'67	102'06					
100'70	50'56	100'70	56'87					
109'34	123'83	109'34	123'83					
...	...	...	...			(c) <i>Mulshi Canal</i> .—Figures for utilized discharge are not available as the quantity let into the Matola Tank was not measured. Hot water was supplied for drinking purposes to the City and the Cantonment of Poona. The low duties are due to high proportion of sugarcane.
8'07	29'25	3'07	29'25	15th June to 14th October	16th October to 14th February.			
63'00	...	65'40	...			(d) Water from these canals and tanks is mostly used for monsoon and rabi irrigation. The discharge from these canals and tanks, if any, during the hot weather season being very small has been neglected and duties have been calculated to a base of 4 months only for the reason that if the discharge for hot weather be taken into account, the duties would have to be calculated to a base of 8 months which would vitiate the results greatly.		
Not known.	305'57	Not known.	305'57	15th June to 14th October	16th October to 14th February.			
...	...	...	...			(e) <i>Wadali Canal</i> .—This canal has both 1st and 2nd class irrigation under it. The first 3 miles (about) has old Mamul (i.e., Banthara) irrigation and the remaining portion is under 1st class irrigation. Both are, however, fed by the same Banthara; so while calculating duties the area under the 2nd class system is also taken into account in addition to the usual 1st class area. The figures for the Mamul irrigation area are:—
49'57	84'00	49'57	84'00	16th June to 15th October	16th October to 15th February.		Perennial ... 110 acres,	
74'50	134'74	74'50	134'74					Hot weather ... 12 "
67'16	64'13	67'16	64'13	16th February to 15th October.	16th October to 15th February.	Kharif (4 months) ... 104 "		
7'44	24'31	7'44	24'31					Rabi (6 months) ... 60 "
49'08	168'00	...	...	16th June to 15th October	16th October to 15th February.	Eight months ... 112 "
290'26	322'06	290'26	322'06	16th June to 15th October	16th October to 15th February.	469 "		
44'29	39'08	52'29	50'85	15th February to 14th October.	16th October to 14th February.			
51'48	10'36	51'48	10'36	16th February to 15th October.	16th October to 15th February.			
...					
M.c.ft. 25'06	M.c.ft. 8'18	M.c.ft. 25'06	M.c.ft. 11'83	15th June to 14th October...	15th October to 14th February.			
...					
M.c.ft. 11'88	M.c.ft. 72'86	M.c.ft. 11'88	M.c.ft. 72'86	16th February to 14th October.	15th October to 14th February.			
...	M.c.ft. 7'74	...	M.c.ft. 7'74					
89'33	165'21	83'33	163'21	16th June to 15th October.	16th October to 15th February.			
140'00	76'40	140'00	76'40					
18'18	21'60	21'59	20'95					
¶1,300'00	164'84	¶1,300'00	164'84					
...					
310	5'05	340	5'05	16th June to 15th October.	16th October to 15th February.			
...					
¶839'53	271'03	¶839'53	271'03	15th February to 14th October.	16th October to 14th February.			
...					
¶620'69	312'60	¶620'69	312'60	16th February to 15th October.	16th October to 15th February.			
115	273	115	273					
242	220	242	220					
63'42	226	68'42	223					
81	143	93	187					
55	93	63	99					
47	82	85	138					
31	85	81	9					
14	85	14	85					
...					
...					
82	33	82	33	15th February to 14th October	15th October to 14th February.			
...					
22	176	22	176	16th January to 15th October.	16th October to 15th January.			
17	4	17	4					
39	50	39	50					
31	79	31	79					
...					
240	17	240	17					
...					
...					

(a) *Pravara Right Bank Canal*.—Over 80 per cent. of the kharif area was sugarcane and hence the low duty; it is a fair duty considering the scattered nature of the irrigation.

(b) *Golavari Canal*.—Low duty for kharif was due to the fact that over 80 per cent. of the kharif area was sugarcane and that the canal discharge was run in excess of irrigational requirements. Extra discharge allowed for silty water to seal up the canals as much as possible to reduce percolation.

(c) *Mulshi Canal*.—Figures for utilized discharge are not available as the quantity let into the Matola Tank was not measured. Hot water was supplied for drinking purposes to the City and the Cantonment of Poona. The low duties are due to high proportion of sugarcane.

(d) Water from these canals and tanks is mostly used for monsoon and rabi irrigation. The discharge from these canals and tanks, if any, during the hot weather season being very small has been neglected and duties have been calculated to a base of 4 months only for the reason that if the discharge for hot weather be taken into account, the duties would have to be calculated to a base of 8 months which would vitiate the results greatly.

(e) *Wadali Canal*.—This canal has both 1st and 2nd class irrigation under it. The first 3 miles (about) has old Mamul (i.e., Banthara) irrigation and the remaining portion is under 1st class irrigation. Both are, however, fed by the same Banthara; so while calculating duties the area under the 2nd class system is also taken into account in addition to the usual 1st class area. The figures for the Mamul irrigation area are:—

Perennial ... 110 acres,
 Hot weather ... 12 "
 Kharif (4 months) ... 104 "
 Rabi (6 months) ... 60 "
 Eight months ... 112 "
 469 "

(f) *Lakh Canal*.—The low duties are due to unsatisfactory alignment of the canal and its distribution. The canal will shortly be abandoned.

(g) *Bhirsaphal and Bhadalwadi Tanks*.—The Antiquo figures in columns 3 and 4 against these tanks represent areas actually irrigated during the respective seasons. They differ from the figures shown in Statement IV-B owing to the fact that certain areas irrigated in rabi were assessed in kharif papers and sugarcane and duties have been calculated on those figures. The figures in Statement IV-C represent areas assessed in the kharif season.

¶ Difference is due to the water sold for filling Gomati Tank at Dakor.

¶ The very high duties on the Bhirsaphal, Bhadalwadi and Paraul tanks are due to very good rainfall during the year which rendered it unnecessary to send water down the canals except for a few days in the season.

General applicable to Deccan Irrigation Division.

NOTE.—As perennial and eight months crops are irrigated during the rabi season, for columns 15 and 17, the areas of perennial and eight months crops so irrigated have been added to the rabi area in column 4 and the totals so obtained are divided by the figures of rabi discharge in columns 11 and 13. The figures in columns 15 and 17 thus represent areas actually irrigated per cubic foot.

•• Area under consolidated assessment.

Statement showing incidence of Working Expenses and Assessed Water Revenue

No.	Name of Work.	Average Discharge of the year at Canal Head in cubic feet per second.	WATER-RATE ASSESSED.					Gross assessed Revenue from all sources.	Working Expenses, Direct and Indirect.
			Occupier's.	Owner's.	Total Direct.	Indirect.	Total Direct and Indirect.		
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
MAJOR WORKS.									
<i>Protective Works.</i>									
1	Pravara River Works—Fravara Right Bank Canal ...	65.41	10,180	...	10,180	...	10,180	10,994	19,543
2	Chankapur Tank—Girna Left Bank Canal ...	32.54	3,132	...	3,132	...	3,132	3,392	17,226
	Darna Dam ...	...	1,927	...	1,927	...	1,927	3,615	
3	Godavari Right Bank Canal ...	212.78	1,42,839	...	1,42,839	...	1,42,839	1,50,757	1,40,254
	Do. Left Bank Canal ...	104.00	38,916	...	38,916	...	38,916	40,808	
4	Nira Canal and Shetphal Tank ...	240.00	4,39,237	...	4,39,237	...	4,39,237	4,40,909	1,54,665
	24.00	...	...	...	...	...	...	...	...
5	Mhasvad Tank ...	25.95	30,437	...	30,437	...	30,437	33,734	17,122
	Total ...	...	6,71,668	...	6,71,668	...	6,71,668	6,95,209	3,48,810
<i>Productive Works.</i>									
9	Háthmati Canal and ...	18	33,274	...	33,274	...	33,274	39,394	38,390
	86	...	...	...	...	...	...	...	...
10	Lower Páujhra River Works ...	4.32	11,087	...	11,087	3,245	14,332	16,496	7,187
11	Kádra River Works—Wághad Tank ...	20.86	14,564	...	14,564	594	15,158	17,116	3,533
	Palkhod Canal ...	...	...	...	...	...	...	456	9,027
	Ojhar-Támbat Canal ...	5.93	5,788	...	5,788	...	5,788	5,929	2,152
	Wadáli Canal ...	5.92	1,355	...	1,355	...	1,355	1,545	1,312
12	Pravara River Works—Lákh Canal ...	15.80	638	...	638	225	863	1,562	2,510
13	Mutha Canals and Mátoba Tank ...	152.00	2,17,433	...	2,17,433	...	2,17,433	4,16,124	1,75,793
	4.58	...	...	...	...	...	...	...	...
	156.58	...	...	...	...	...	...	...	...
14	Ekrák Tank ...	24.61	18,757	...	18,757	...	18,757	31,995	12,469
15	Krishna Canal ...	54.65	68,456	...	68,456	...	68,456	71,575	16,099
	Total ...	...	3,71,347	...	3,71,347	4,064	3,75,411	6,52,182	2,08,472
	Total, Major Works ...	...	10,43,015	...	10,43,015	4,064	10,47,079	13,47,391	6,17,282
MINOR WORKS AND NAVIGATION.									
16	Wangroli Tank ...	68 M. Cft.	2,750	...	2,750	1,767	4,517	6,308	8,015
17	Tranza-Nagramma Tanks ...	...	...	...	...	60	60	547	2,855
18	Sávil Tank ...	56 M. Cft.	3,127	...	3,127	...	3,127	3,675	8,001
19	Sahiat do. ...	...	...	...	...	...	...	723	7,804
20	Futelo do. ...	11.5 M. Cft.	268	...	268	...	268	421	1,790
21	Hárdla do. ...	...	194	...	194	...	194	553	1,171
22	Mhasva do. ...	...	664	...	664	...	664	1,634	2,465
23	Jánda Canals ...	...	7,143	...	7,143	...	7,143	10,477	13,983
24	Paraul Tank ...	2.00	3,880	...	3,880	...	3,880	3,907	4,934
25	Pravara River Works—Pravara Left Bank Canal ...	...	...	...	...	76	76	2,406	6,857
26	Bhatodi Tank ...	2.42	3,229	...	3,229	2,205	5,435	7,333	3,658
27	Káaurdi do. ...	...	246	...	246	...	246	27	625
28	Shirsaphal do. ...	1.29	2,643	...	2,643	...	2,643	3,573	2,582
29	Bhádsaváli do. ...	1.01	2,547	...	2,547	...	2,547	2,784	2,657
30	Koregon do. ...	0.73	2,513	...	2,513	...	2,513	2,563	922
31	Ashli do. ...	5.55	15,533	...	15,533	...	15,533	18,038	5,849
32	Páshri do. ...	1.84	4,736	...	4,736	...	4,736	4,877	2,002
33	Bovári Canal ...	3.35	5,538	...	5,538	...	5,538	6,100	1,862
34	Upper Mán River Works ...	4.00	3,296	...	3,296	...	3,296	4,333	3,067
35	Yerla River Irrigation Works ...	13.79	12,570	...	12,570	...	12,570	13,057	7,426
36	Chikhli Canal ...	5.35	2,095	...	2,095	...	2,095	3,353	3,426
37	Maini Tank ...	9.66	6,413	...	6,413	...	6,413	7,949	3,141
38	Machkundi do. ...	...	...	...	...	...	...	1,71	143
39	Gadikeri do. ...	...	...	...	...	2,061	2,061	2,061	339
40	Gokák Canal, 1st Section, and Storage Works ...	36.31	24,611	...	24,611	...	24,611	41,738	11,186
41	Dámbari Tank ...	3.26	398	...	398	916	1,314	1,961	1,273
42	Medleri do. ...	3.41	499	...	499	...	499	825	863
43	Mudag do. ...	7.51	2,352	...	2,352	...	2,352	2,545	1,874
44	Asunli do. ...	3.24	727	...	727	687	1,414	1,961	1,132
45	Mávinkop do. ...	...	...	...	...	2,244	2,244	2,244	2,170
46	Dharma Canal ...	30.46	2,201	...	2,201	-4,961	-2,760	-2,676	1,158
	Total, Minor Works ...	...	1,10,218	...	1,10,218	5,056	1,15,274	1,54,763	1,12,066
	GRAND TOTAL ...	...	11,53,233	...	11,53,233	9,120	11,62,353	15,03,154	7,29,348

II-E.

on Canals in the Bombay Presidency, excluding Sind, during the year 1916-1917.

Area irrigated during the year.	WORKING EXPENSES.			OCCUPIER'S RATE.		TOTAL WATER-RATE, DIRECT AND INDIRECT.		Remarks.
	Per cent. on Gross Revenue.	Per Acre irrigated.	Per cubic foot per second of Discharge at Canal Head.	Per Acre irrigated.	Per cubic foot per second of Discharge at Canal Head.	Per Acre irrigated.	Per cubic foot per second of Discharge at Canal Head.	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
2,278	177-76	8-58	299-78	4-47	153-07	4-47	156-07	
1,837	205-27	9-38	529-38	4-43	219-04	4-43	219-04	
829	71-85	7-07	442-75	...	...	...	...
15,453				0-26	071-30	0-26	071-30	0-26	071-30
3,549				10-00	374-19	10-00	374-19	
31,223	34-61	4-52	538-85	12-83	1,062-65	12-83	1,038-05	
4,846	60-77	8-53	659-81	6-28	1,172-00	6-28	1,172-00	
63,020	50-17	5-68	.....	10-65	.....	10-65	...	
783	07-45	6-05	710-03	5-24	73-23	5-24	73-22	* Area under consolidated assessment.
5,559								
617	43-09	2-06	1,064	4-67	2,500	5-00	8,318	
*1,811	...	...	...	...	...	...	...
1,855	54-03	4-78	432-74	7-73	609-18	8-04	720-03	
832	36-32	2-59	362-90	6-06	975-88	6-06	978-88	
193	84-26	6-80	220-88	7-02	225-93	7-02	228-08	† This large figure is explained by the fact that the working expenses include those for the Poona Water Supply, which is a part of the Mutha Canals.
295	161-63	3-48	158-86	2-14	40-00	2-00	64-24	‡ The high rate is due to high proportion of superarea, which is very high rated crop on this canal.
10,402	42-24	† 6-50	1,122-70†	20-00	1,358-02‡	20-01	1,384-01	
1,420	15-21	8-73	507	18-12	762	18-12	762	
3,309	22-49	4-73	294-60	20-13	1,262-62	20-18	1,252-62	
26,397	41-16	9-87	.....	13-64	.....	13-80	..	
*1,311	...	...	...	...	...	...	...
83,417	45-81	6-64	.....	11-56	.....	11-00	...	
*1,811	...	...	...	...	...	...	...
859	127-06	9-33	117-87 Per M. Ctl.	8-19	40-82 Per M. Ctl.	5-26	4-23 Per M. Ctl.	
...	521-94	...	...	...	...	...	...
970	217-71	8-25	142-68 Per M. Ctl.	3-22	26-94 Per M. Ctl.	3-22	26-94 Per M. Ctl.	
...	1,010-24	...	...	...	...	...	...
89	425-18	20-11	180-65 Per M. Ctl.	3-01	23-90 Per M. Ctl.	3-01	23-90 Per M. Ctl.	
39	211-75	30-08	5,091	4-97	813	4-97	813	
846	150-83	7-12	1,531	1-92	412	1-92	412	
1,274	133-27	10-06	811	5-61	159	5-61	159	
731	120-28	67-80	2,467-00	6-42	885-84	6-42	840-84	
...	
802	49-89	4-56	1,511	4-03	1,231	4-03	2,246	This canal is temporarily closed for widening and extension.
80	218-93	7-81	...	3-92	...	3-92	...	
752	72-26	3-43	2,001-54	3-95	2,048-83	3-95	2,018-83	
631	97-15	4-21	2,603-70	4-39	2,545-64	4-39	2,545-64	
431	35-97	2-14	1,213	5-83	3,806	5-83	3,306	
2,504	82-43	2-81	1,054	6-20	2,799	6-20	2,799	§ These tanks are worked only during monsoon and rabi seasons. Hence the discharge given is for 8 months period and not for twelve months.
885	41-05	2-26	1,390	5-35	3,289	5-35	3,289	
870	30-53	2-14	555-82	6-42	1,068-07	6-42	1,068-07	
699	70-76	4-88	769-75	4-70	821-75	4-70	821-75	
2,478	56-87	2-09	840-80	5-07	982-80	5-07	982-80	
198	23-08	4-00	148-19	10-86	391-64	10-86	391-64	
1,499	39-51	2-10	825-15	4-27	663-67	4-27	663-67	
...	
*377	16-45	0-90	...	...	...	...	5-47	
4,236	26-77	2-64	303-88	5-81	608-58	5-81	608-58	
106	64-92	5-09	390-00	1-50	122-00	5-47	403-00	
*144								...
50	104-61	17-26	838-00	9-09	207-00	9-08	207-00	
750	78-03	3-29	260-00	4-13	313-00	4-13	313-00	
162	57-78	3-31	349-00	2-13	224-00	4-13	430-00	
*190	96-70	3-70	.....	...	...	3-52	...	
*557								...
*508	...	...	...	...	...	...	...
*7,581	5-64	0-14	38-00	0-25	72-00	...	670-00	
21,552	71-94	3-63	.....	3-57	...	3-73	...	
*9,159	...	...	...	...	...	...	...
110,169	48-52	6-02	.....	9-52	...	9-59	...	
*10,070	...	...	...	...	...	...	...

Statement of Quantity and Value of Crops irrigated in the Bombay

	(1) PRAVARA RIVER WORKS—PRAVARA R. B. CANAL.		(2) CHANZAPUR TANK— GIRNA L. B. CANAL.		(3A) DARSA DAM (LAKE BEALE).		(3B) GODAVARI RIGHT BANK CANAL.	
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens * and { Vegetables	8	303	1	18	...	...	23	935
Orchards. { Fruits and other trees	125	27,584	3	504	...	...	109	4,700
Sugarcane	1,330	3,99,039	97	31,764	...	...	3,268	17,48,325
Cereals	Wheat	244	11,907	880	44,564	...	5,291	1,07,387
	Barley ... ..	...	...	...	...	...	...	...
	Rice ... ..	...	...	22	604	...	28	465
	Maize	8	430	...	...	...	23	849
	Jowár	71	2,552	1	15	...	37	775
	Chino, Rági, Bála, Wara ... ..	...	...	...	...	...	...	...
Pulses	Báji	2	30	3	88	...	...	...
	Miscellaneous ... ..	...	...	...	...	...	...	...
	Gram, Udid, Mug... ..	76	3,164	754	14,210	...	375	7,573
	Tur ... ..	...	...	...	...	...	...	...
	Peas ... ..	...	...	1	16	...	...	...
Fodder Crops { Fodder	Groundnut	48	3,362	81	1,724	...	245	3,360
	Miscellaneous ... ..	...	...	...	...	...	...	...
Fodder Crops { Lucerne, &c. ... ..	...	109	3,599	22	491	...	265	8,104
	...	94	22,348	...	...	...	174	9,007
Fibres ... { Cotton	Tág (Hemp)	1	150	1	57	...	...	...
	...	...	...	...	...	...	18	495
Dyes ... ..	...	...	...	...	...	...	...	...
Drugs and { Tobacco	Narcotics { Bháng	1	142	...	...	...	...	...

Oil-seeds ... { Mustard, Sesam	Linseed, Castor-oil	1	10	5	113	...	...	...

Condiments ... { Chilly and Onions	Garlic, Turmeric and Methi	74	7,429	13	599	...	46	4,308
	...	86	5,407	...	...	...	53	2,158
Miscellaneous ... ..	...	...	...	...	...	...	...	...
Land insufficiently irrigated ... ..	...	...	3	...	829*	...	5,498	...
Total	2,278	4,88,056	1,837	94,767	829	...	15,453	19,03,741
Area on which consolidated assessment is levied ... ..	...	...	...	...	...	...	...	...

* This represents the area in the basin of Lake Beale let out for cultivation and measured as per G. R. No. A. L.—7200 of 9th August 1912, respect of different crops.

† It includes 16 acres of sugarcane to which water was given for the same area in different seasons and 298 acres for ploughing purposes in

‡ Includes waste of water.

III-E.

Presidency, excluding Sind, during the year 1916-1917.

(9a) GODAVARI LEFT BANK CANAL.		(4) NIRA CANAL, including SHEETHAL TANK.		(5) MIRASWAD TANK.		(9) HATHMATI CANAL AND KHARI CUE.		(10) LOWER PANGUNA RIVER WORKS.		(11) KADVA RIVER WORKS.	
Area Irrigated.	Estimated Value.	Area Irrigated.	Estimated Value.	Area Irrigated.	Estimated Value.	Area Irrigated.	Estimated Value.	Area Irrigated.	Estimated Value.	Palkhed Canal.	
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
15	676	...	...	42	2,858	...	...	3	35	21	785
14	1,019	179	26,550	48	8,473	3	120	10	2,108	36	2,851
919	4,14,527	8,700	89,15,000	142	64,120	25	5,700	...	...	249	60,705
1,061	32,235	1,431	1,01,680	624	18,034	103	4,120	393	5,780	405	21,173
...	...	...	...	29	670	81	775	...	...	...	...
6	240	...	...	108	14,352	5,596	3,35,150	2	140	132	12,320
3	56	...	...	106	1,318	...	...	...	...	1	45
...	...	11,432	5,71,600	1,329	1,25,881	...	...	1	50	6	197
...	...	...	...	13	174	...	...	...	...	...	...
2	15	4,832	1,44,990	38	3,104	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	1	52
82	2,855	2,957	84,800	469	14,918	246	4,920	7	115	164	6,505
...	...	255	7,650	6	99	...	...	...	...	...	...
...	...	...	...	1,549	96,630	...	...	91	935	...	...
98	4,232	1,248	62,400	...	...	...	...	104	3,600	405	20,405
...
138	7,147	52	1,560	76	424	...	...	...	...	62	1,755
54	3,648	122	24,400	...	...	...	...	...	...	14	1,392
3	100	25	1,250	32	840	...	...	...	...	...	...
11	350	107	2,675	...	...	...	...	...	...	1	41
...
1	60	21	1,575	2	61	...	...	...	...	...	...
...
...	...	...	...	5	64	12	720	...	...	...	...
...
24	2,332	312	18,720	75	4,980	3	120	1	80	322	24,034
36	1,805	...	...	5	115	6	210	...	...	...	...
...	...	2,555	76,650	108	888	319+	200	...	...	67	...
1,082	...	...	...	...	...	...	...	...	...	...	...
3,549	4,71,297	34,228	50,41,800	4,846	3,52,796	6,344	3,52,035	617	12,791	1,885	1,08,179
...	...	...	...	...	...	...	...	1,811	...	...	...

As a uniform rate of Rs. 2 was to be levied, the areas were not measured distinctly for each crop and hence the areas cannot be classified in the Hathmati Canal Sub-division.

	(1) KADVA RIVER WORKS.						(2) PRAVARA RIVER WORKS—LA'KH CANAL.	
	Ojhar-Tambat Canal.		Waddi Canal.		Waghad Tank.		Area irrigated.	Estimated Value.
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.		
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. {	Vegetables ...	25	864	3	115	...	2	250
	Fruits and other trees ...	1	64	9	1,020	...	16	5,855
Sugarcane ...	...	86	34,390	12	4,700	...	39	12,247
	Wheat ...	133	6,801	24	1,174	...	125	8,944
	Barley ...	...	...	...	...	...	...	...
	Rice ...	4	435	2	229	...	...	...
Cereals ...	Maize ...	1	49	1	29	...	...	...
	Jowar ...	3	116	...	...	...	1	65
	Chino, Ragi, Rala, Wara ...	...	...	...	...	...	...	...
	Bajri ...	...	...	...	...	...	...	...
	Miscellaneous ...	...	...	...	...	...	...	...
	Gram, Udid, Mug ...	38	1,517	32	1,302	...	104	4,723
Pulses ...	Tur ...	...	...	...	...	...	...	...
	Peas ...	1	31	...	...	...	...	...
	Groundnut ...	97	3,896	42	1,682	...	...	...
	Miscellaneous ...	...	...	...	...	...	...	...
Fodder Crops. {	Fodder ...	26	875	19	559	...	1	30
	Lucerne, &c. ...	19	1,900	2	167	...	...	...
Fibres ... {	Cotton ...	...	...	...	...	...	...	...
	Tág (Hemp) ...	11	425	...	...	...	...	...
Dyes ...	...	...	...	...	...	...	...	...
Drugs and Narcotics. {	Tobacco ...	...	...	...	...	...	2	250
	Bhang ...	...	...	...	...	...	...	...
Oil-seeds ... {	Mustard, Sesam ...	...	...	...	...	...	...	...
	Linseed, Castor-oil ...	...	...	...	...	...	...	...
Condiments... {	Chilly and Onions ...	236	27,335	38	2,533	...	6	837
	Garlic, Turmeric and Methi ...	...	...	...	...	...	...	...
Miscellaneous ...	...	103	...	9	...	...	...	...
Land insufficiently irrigated ...	...	...	...	...	...	...	...	...
Total ...	...	832	78,498	193	13,510	...	296	33,201
Area on which consolidated assessment is levied ...	...	...	...	...	...	...	...	...

* Includes waste of water.

III-E—continued.

(13) MUTHA CANAL, MOLDING MATOBA TANK.		(14) EKHUK TANK.		(15) KRISHNA CANAL.		(16) WANGOLI TANK.		(17) TRANGA-NA- GRANMA TANK.		(18) SAVLI TANK.		(19) SARIAT TANK.	
Area Irrigated.	Estimated Value.	Area Irrigated.	Estimated Value.	Area Irrigated.	Estimated Value.	Area Irrigated.	Estimated Value.	Area Irrigated.	Esti- mated Value.	Area Irrigated.	Estimated Value.	Area Irrigated.	Esti- mated Value.
Acres.	Rs.	Acres.	Rs.	Rs.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
...	...	8	250	...	...	...	...	...	...	...	...	...	...
1,374	1,57,750	37	5,440	24	1,440	...	...	...	...	...	...	...	...
5,075	22,88,750	365	1,46,000	1,993	18,05,610	...	...	...	...	...	...	...	...
541	32,460	63	3,100	347	17,350	5	100	...	...	184	3,080	...	...
...	...	43	1,300	...	...	...	...	...	...	...	...	...	...
...	...	368	26,000	236	28,320	447	11,175	...	...	605	15,125	...	...
44	2,200	9	500	4	80	4	100	...	...	...	...	...	...
70	3,500	42	2,100	19	1,520	...	...	...	...	...	...	...	...
...
1,780	53,400	...	...	...	...	...	...	...	...	...	...	...	...
588	17,640	110	2,630	50	350	...	...	...	...	...	...	...	...
...
29	870	18	460	5	800	376	3,760	...	...	181	1,810	...	...
2	60	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	33	990	...	...	...	...	...	...	...	...
1	50	240	11,000	10	1,000	...	...	...	...	...	...	...	...
181	3,620	...	...	90	3,600	...	...	...	...	...	...	...	...
171	5,130	77	4,000	23	1,450	...	...	...	...	...	...	...	...
80	16,000	...	...	...	...	...	...	...	...	...	...	...	...
6	300	12	500	...	...	6	300	...	...	...	...	...	...
5	125	...	...	...	...	...	...	...	...	...	...	...	...
...
1	75	...	...	6	1,500	5	300	...	...	...	...	...	...
...
...
128	7,580	19	1,800	44	8,800	...	...	...	...	...	...	...	...
3	90	10	850	472	21,240	2	30	...	...	...	...	...	...
123	3,690	13	...	43	4,300	14	280	...	...	...	...	...	...
200	4,000	...	...	...	...	...	...	...	...	...	...	...	...
10,402	25,92,390	1,429	2,05,930	3,399	13,97,850	859	16,045	...	...	970	20,815	...	...
...

III-E—continued.

(31) PANDRI TANK.		(32) BIVARI CANAL.		(33) UPPER MAIN RIVER WORKS.		(34) YERLA RIVER IRRIGATION WORKS.		(35) CHIKLI CANAL.	
Area Irrigated.	Estimated Value.	Area Irrigated.	Estimated Value.	Area Irrigated.	Estimated Value.	Area Irrigated.	Estimated Value.	Area Irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
2	30	...	...	...	...	...	...	...	...
1	250	3	240	1	800	66	11,200	3	150
1	200	87	30,450	25	10,000	96	36,480	56	31,041
56	1,422	288	8,640	134	6,336	386	16,668	17	850
...	...	...	...	11	132	...	...	...	...
...	...	66	1,980	4	480	27	1,206	3	300
...	...	...	...	30	1,500	16	336	...	...
743	14,860	312	14,040	263	13,150	1,381	1,24,290	1	80
...	...	...	...	8	98	1	20	..	...
...	...	...	...	13	260	...	...	...	...
...	...	...	...	...	...	...	...	8	21
37	444	30	950	90	1,350	285	9,104	3	180
...
...	...	21	548	37	1,776	30	1,350	2	100
...	...	2	46	...	...	...	...	9	360
...	...	...	...	36	720	5	260	1	100
...
...
...
2	60	...	...	...	...	1	180	...	...
...
...
13	455	10	500	26	1,215	86	5,070	48	14,400
13	1,625	34	4,930	1	20	27	2,730	45	16,875
17	Nil	17	1,080	20	640	69	7,350	2	100
...
885	19,346	670	63,414	699	37,975	2,476	2,16,314	198	65,577
...

	(36) MAIN TANK.		(37) MUOHKUNDI TANK.		(38) GADIKERI TANK.		(39) GOKAK CANAL, 1ST SECTION, AND STORAGE WORKS.		(40) DAMBAL TANK.	
	Area Irrigated.	Estimated Value.	Area Irrigated.	Esti- mated Value.	Area Irrigated.	Esti- mated Value.	Area Irrigated.	Estimated Value.	Area Irrigated.	Esti- mated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. { Vegetables ... ..	...	...	...	...	...	...	29	1,631	23	681
{ Fruits and other trees	12	1,280	...	...	...	...	28	2,875	3	121
Sugarcane	41	8,200	...	...	...	...	181	83,622	1	60
Cereals	Wheat	141	7,787	...	...	...	1	43	...	...
	Barley ... ..	...	...	...	...	...	170	7,310	...	...
	Rice	6	288	...	...	...	151	12,382	...	...
	Maize	2	42	...	...	...	1,571	42,417	...	...
	Jowár	978	80,460	...	...	...	326	10,758	25	642
	Chino, Rági, Rála, Wara... ..	...	...	...	...	...	132	3,564	...	...
{ Bájri ... ..	...	...	...	...	...	3	20	...	...
{ Miscellaneous ... ..	...	...	...	...	...	...	...	...	...	...
Pulses	Gram, Udid, Mug... ..	213	7,480	...	...	...	345	7,245	...	...
	Tur ... ..	...	...	...	...	...	...	...	...	...
	Peas ... ..	...	...	...	...	...	...	...	...	...
	Ground-nut	55	4,185	...	...	...	92	2,921	...	...
{ Miscellaneous	13	400	...	...	...	...	...	...	...
Fodder Crops. { Fodder ... ..	...	...	...	...	...	...	...	...	...
{ Lucerne, &c. ... ..	...	...	...	...	...	...	...	...	...
Fibres	Cotton ... ..	...	...	...	...	...	9	468	...	...
	Tág (Hemp) ... ..	...	...	...	...	...	122	4,392	...	...
Dyes ... ..	...	...	...	...	...	...	...	...	...	...
Drugs and Narcotics. { Tobacco	2	320	...	...	...	...	3	132	...	...
	Bháng ... ..	...	...	...	...	...	...	...	...	...
Oil-seeds	Mustard, Sesam ... ..	...	...	...	...	...	...	...	3	60
	Linseed, Castor-Oil ... ..	...	...	...	...	...	...	...	...	...
Condiments	Chilly and Onions	14	860	...	...	...	1,026	28,728	...	...
	Garlic, Turmeric and Methi.	22	990	...	...	...	46	1,472	51	1,285
Miscellaneous ... ..	...	...	...	...	...	6	12	...	...
Land insufficiently irrigated ... ..	...	...	...	...	...	...	...	...	...	...
Total	1,499	1,12,292	...	...	...	...	4,236	2,09,992	106	2,849
Area on which consolidated assessment is levied ... ..	...	...	...	...	377	...	...	...	144	...

III-E—continued.

(41) MEDHRI TANK.		(42) ASUNDI TANK.		(43) MADAG TANK.		(44) MÁVINKOP TANK.		(45) DHARMA CANAL.		(47) FUTELAO TANK.		TOTAL.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
2	35	38	1,516	39	2,325	...	...	...	...	...	...	777	54,204
29	1,697	...	...	2	147	...	...	...	...	...	...	2,173	2,64,088
...	...	29	5,890	13	509	...	...	...	...	...	...	23,013	1,07,00,106
...	...	...	...	...	...	...	...	...	...	22	1,640	14,034	5,66,115
...	...	...	...	...	...	...	...	...	...	8	400	206	10,004
5	81	...	...	301	5,246	...	...	503	25,400	...	...	8,822	5,03,361
...	...	...	...	...	...	...	...	...	...	...	...	1,880	61,137
6	97	...	...	...	...	...	...	...	...	...	...	18,530	9,94,247
...	...	2	36	...	...	...	...	...	...	...	...	150	8,800
...	...	...	...	...	...	...	...	...	...	...	...	6,095	2,02,465
...	...	...	...	...	...	...	...	...	...	...	...	1,765	48,476
...	...	...	...	...	...	...	...	...	...	50	4,130	8,185	2,15,047
...	...	...	...	...	...	...	...	...	...	...	...	246	7,589
...	...	...	...	...	...	...	...	...	...	...	...	1,680	98,646
...	...	...	...	...	...	...	...	...	...	...	...	3,384	1,70,003
...	...	...	...	...	...	...	...	...	...	...	...	205	8,026
...	...	...	...	...	...	...	...	...	...	...	...	1,096	36,502
...	...	...	...	...	...	...	...	...	...	...	...	563	78,912
...	...	...	...	...	...	...	...	...	...	...	...	158	8,367
...	...	...	...	...	...	...	...	...	...	...	...	275	8,503
...
...	...	...	...	...	...	...	...	...	...	...	...	63	4,829
2	66	...	...	...	...	...	...	...	...	...	...	2	66
...	...	...	...	...	...	...	...	...	...	...	...	20	893
...	...	...	...	...	...	...	...	...	...	...	...	8	94
6	104	38	1,510	1	13	...	...	...	...	...	...	2,216	1,80,362
...	...	45	3,197	214	12,339	...	...	...	...	...	...	1,256	87,563
...	...	...	...	...	...	...	...	...	...	...	...	3,574	97,633
...	...	...	...	...	...	...	...	...	...	...	...	7,612	4,000
50	2,080	152	12,479	570	21,279	...	...	503	25,400	89	6,070	110,169	1,41,11,685
...	...	190	...	...	...	587	...	7,861	...	...	...	10,970	...

STATEMENT

Comparative Statement of Irrigation and Rainfall for the years

Civil District.	OF THE CIVIL DISTRICT.			WORKS SUPPLYING IRRIGATION.		Culturable area commanded by the Irrigation Works in Column 6 in Acres.
	Total area in Acres.	Culturable area in Acres.	Cultivated area in Acres.	No.	Name.	
1	2	3	4	5	6	7
Ahmedabad ...	Acres. 2,451,865	Acres. 1,865,127	Acres. 1,804,045	9	{ Hathmati Canal Khári Cut " Total	Acres. 28,840 20,000 48,840
Kaira	1,023,500	884,590	839,936	{ 16 37 18 19	{ Wangrol Tank Tranza-Nagrama Tanks Savli Tank Saiaf. " Total	5,000 1,280 4,700 4,000 14,980
Panch Maháls ...	1,028,973	707,534	582,498	47	Futelao Tank	1,500
West Khándesh..	3,420,394	1,741,680	1,412,077	10	Lower Pánjhra River Works... ..	12,627
East Khándesh ...	2,907,539	2,058,715	1,983,539	{ 20 21 22	{ Hartals Tank Mhásva " Jámda Canals Total	527 4,075 40,185 44,787
Poona	3,421,900	2,553,901	2,538,985	{ 4 18 26 27 28	{ Nira Canal and Shetphal Tank Mutha Canals including Mátoba Tank Kásurdi Tank Shirapthal " Bhádálvádi " Total	227,670 49,800 478 2,500 2,400 282,848
Násik	3,771,316	2,481,019	2,123,268	{ 2 11 38 3	{ Chankepur Tank—Girna Left Bank Canal. Kádva River { Waghed Tank Works, { Pálkhed Canal { O j h á r - T á m b á t Canal { Wadali Canal Parsul Tank Godavari River Works— { Lake Beale { Godavari Right Bank Canal { Godavari Left Bank Canal Total	15,109 26,280 7,421 2,729 3,197 83,000 187,736
Ahmednagar ..	4,234,571	3,201,280	2,371,362	{ 3 1 12 24 25	{ Godavari Right Bank Canal Godavari Left Bank Canal Pravara Right Bank Canal Lákhi Canal Pravara Left Bank Canal Bhátodi Tank Total	136,390 60,000 25,588 21,155 18,657 256,738
Sholápur	3,915,598	2,510,737	2,132,512	{ 5 14 29 30 31	{ Mhaswad Tank Ekrúk " Koregaon " Ashti " Páthri " Total	102,400 16,941 2,394 16,828 4,586 143,146

IV-E.
1915-1916 and 1916-1917 in the Bombay Presidency, excluding Sind.

Area at present estimated as annually irrigable by the works specified in Column 6.	AREA IRRIGATED IN ACRES.						RAINFALL.		REMARKS.
	1915-1916.			1916-1917.			1915-1916.	1916-1917.	
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.			
	8	9	10	11	12	13	14	15		16	17
Acres. 8,000 10,000	857 970	175 6	532 978	83 5,569	703 ...	785 5,569	Inches. 14-04 12-04	Inches. 21-20 20-04	As Printing. At Ahmedabad.
24,000	1,327	181	1,508	5,042	703	6,844			
3,400 300 3,000 2,000	...	...	...	431 ...	408 ...	859 ...	13-00 11-31 16-00 10-13	22-45 20-37 20-47 20-41	} Rain-gauges fixed on the tanks.
9,200	...	550	550	1,057	772	1,829			
800	Was not completed.			...	80	80	25-02	27-57	Dahad Dispensary.
12,627	259 *1,539	854 *273	1,113 *1,812	152 *1,458	405 *353	617 *1,811	10-20	33-01	* Area under consolidation assessment.
415 1,700 5,000	20 60 785	92 695 1,868	112 755 2,158	15 112 745	24 234 529	59 846 1,274	44-04 24-02 27-58	48-28 30-12 25-04	
7,115	885	2,155	3,020	872	787	1,659			
{ 113,280 4,200 16,800 3,250 150 1,800 2,000	{ 36,359 3,416 7,833 1,312 34 544 811	{ 9,096 1,148 1,156 1,193 80 489 618	{ 46,295 4,564 9,019 2,505 114 1,033 1,429	{ 28,075 2,316 8,000 1,351 33 513 485	{ 2,927 250 635 496 42 289 146	{ 31,692 2,566 8,685 -1,787 80 753 681	25-04 31-07 30-78 20-52 24-33 20-44 20-21	32-02 30-17 20-07 20-13 25-07 20-21 20-08	
141,480	50,389	14,620	64,959	41,273	4,815	46,003			
5,100	329	1,381	1,710	524	1,313	1,837	21-30	24-51	
9,897	512	1,583	2,095	805	1,080	1,885	28-71	40-04	
2,367 2,438	280 37	567 177	797 214	301 214	531 140	832 193	25-59 27-77	18-48 28-51	
1,000	570	768	1,338	28	705	731	10-13	20-73	
15,310†	{ 237 139 148	{ 842 1,032 1,162	{ 1,079 2,071 1,310	{ 356 246 284	{ 443 1,230 971	{ 829 1,473 1,255	40-41 23-51 27-12	30-06 32-04 32-04	† Area for the whole project.
36,047	2,202	8,410	10,612	2,625	6,413	9,038			
33,501†	{ 3,033 335 1,213 284 ...	{ 10,995 1,154 2,481 305 ...	{ 14,028 1,489 3,694 599 ...	{ 3,733 378 1,255 63 ...	{ 10,191 1,416 1,023 223 ...	{ 13,977 2,204 2,278 293 ...	29-51 27-12 27-49 25-71 27-49 29-29	32-04 32-04 43-44 32-38 43-44 41-40	
24,658 11,280 14,763 12,124	284 ...	305 ...	599 ...	63 ...	223 ...	293 ...	25-71 27-49 27-49 29-29	32-38 43-44 41-40	
96,324	4,873	17,155	22,028	5,998	13,649	19,647			
24,300 16,941 1,050 11,780 2,500	1,731 1,335 102 529 263	4,936 1,101 512 2,514 1,213	6,727 2,936 614 3,043 1,476	2,133 1,187 69 1,014 26	2,271 242 363 1,490 859	4,459 1,429 431 2,564 855	27-23 23-05 26-75 28-59 30-59	47-09 45-53 40-18 31-32 47-30	
56,571	4,480	10,336	14,796	4,484	5,224	9,708			

STATEMENT

Civil District.	OF THE CIVIL DISTRICT.			WORKS SUPPLYING IRRIGATION.		Culturable area commanded by the Irrigation Works in Column 6 in Acres.
	Total area in Acres.	Culturable area in Acres.	Cultivated area in Acres.	No.	Name.	
1	2	3	4	5	6	7
	Acres.	Acres.	Acres.			Acres.
Belgaum ...	2,962,372	2,266,443	1,788,688	88 89	Gadikeri Tank ... Gokak Canal, 1st Section and Storage Works ...	Not known 17,627
					Total ...	17,627
				5	Mhaswad Tank ...	3,814
Sátára ...	3,135,721	2,356,490	2,323,877	35 32 33 34 85 36	Krishna Canal ... Bavári " ... Upper Mán River Works ... Yerla River Irrigation Works ... Chikhli Canal ... Maini Tank ...	26,458 3,624 7,628 10,680 1,478 4,625
					Total ...	58,297
				40	Dámbal Tank ...	2,500
Dhárwár ...	2,046,944	2,461,111	2,218,050	41 42 43	Medleri " ... Asundi " ... Madag " ...	880 1,011 1,345
				45	Dharma Canal ...	12,870
					Total ...	18,656
Kánara ...	2,525,797	381,000	339,235	44	Mávinkop Tank ...	755
Bijápúr ...	8,652,827	9,283,108	2,909,272	87	Muchkundi Tank ...	5,417
	40,449,317	28,854,760	25,311,402		Grand Total ..	1,043,864

IV-E—concluded.

Area as present estimated as annually irrigable by the works specified in Column 6.	AREA IRRIGATED IN ACRES.						RAINFALL.		REMARKS.
	1916-16.			1916-17.			1916-16.	1916-17.	
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.			
	8	9	10	11	12	13	14	15		16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inches.	Inches.	
417	377*	...	377*	377*	...	377*	20-03	23-07	
17,627	3,217	1,448	4,665	3,100	1,136	4,236	21-03	33-23	
18,044	3,217	1,448	4,665	3,100	1,136	4,236			
	377*		377*	377*		377*			
500	87	491	578	118	209	327	23-24	47-26	
12,320	2,670	754	3,424	2,246	553	2,800	22-18	27-06	
1,920	203	748	951	218	653	870	24-02	30-24	
2,080	71	806	876	169	530	699	17-20	27-06	
5,480	520	3,433	4,003	337	2,189	2,476	27-24	30-47	
1,478	152	80	232	121	72	193	25-26	28-51	
4,625	254	1,479	1,743	63	1,431	1,499	22-26	46-58	
28,403	3,937	7,840	11,807	3,877	5,646	9,523			
1,000	4	68	72	90	16	106	20-07	26-20	
		144*	144*		144*				
600	60	12	72	86	14	50	11-04	21-04	
1,011	92	38	130	101	51	152	22-15	23-76	
		190*	190*		190*				
1,345	327	187	514	330	240	570	21-12	29-70	
12,370	522	...	522	508	...	508	77-01	33-71	
	7,504*	357*	7,861*	7,504*	357*	7,861*			
-16,326	1,005	305	1,310	1,005	321	1,326			
	7,564*	691*	8,195*	7,504*	691*	8,195*			
617	597*	...	597*	597*	...	597*	No rain-	gauge.	
750	...	...	...	...	...	...	20-10	36-07
443,804	72,520	63,855	136,375	70,120	40,040	110,160			
	10,917*	984*	10,981*	9,928*	1,044*	10,970*			

* Area under consolidated assessment.

STATEMENT F.

Statement showing the Operation of Irrigation Works in the Bombay Presidency, excluding Sind, for the year 1916-1917.

No.	Names of Works.	AMOUNT DUE, 1916-1917.		REMISSIONS.		TOTAL.		Grand Total.	Remarks.
		Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.		
1	2	3	4	5	6	7	8	9	10
	MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
	<i>Protective Works.</i>								
1	Pravara River Works—Pravara Right Bank Canal ...	6,579	8,617	...	...	6,579	8,617	10,198	
2	Chankapur Tank—Girna Left Bank Canal ...	3,596	4,536	...	...	3,596	4,536	8,132	
	Lake Beale Dam ...	946	981	...	...	946	981	1,927	
3	Godavari Right Bank Canal ...	1,11,747	31,672	...	...	1,11,747	31,672	1,43,419	
	Godavari Left Bank Canal ...	32,084	6,907	...	...	32,084	6,907	38,991	
4	Nira Canal and Shetphal Tank combined ...	4,27,388	11,854	...	...	4,27,388	11,854	4,39,237	
5	Mhasvad Tank ...	12,616	17,821	...	8	12,616	17,813	30,429	
	Total ...	5,94,951	77,388	...	8	5,94,951	77,380	6,72,331	
	<i>Productive Works.</i>								
9	Háthmati and Khari Cut Canals combined ...	37,196	1,096	* 5,018	5	32,178	1,091	33,269	
10	Lower Pánjhra River Works ...	8,323	2,764	...	...	8,323	2,764	11,087	
	Wághad Tank ...	...	...	...	...	...	...	...
11	Kádvá River Pálkhed Canal ...	9,715	4,849	...	...	9,715	4,849	14,564	
	Ójhar Tánbat Canal ...	8,615	2,172	...	...	8,615	2,172	5,787	
	Wádálí Canal ...	574	781	...	...	574	781	1,355	
12	Pravara River Works—Lákh Canal ...	892	240	...	...	892	240	632	
13	Mutha Canals and Mátoba Tank combined ...	2,12,658	4,774	...	...	2,12,658	4,774	2,17,432	
14	Ekrák Tank ...	15,578	3,179	...	...	15,578	3,179	18,757	
15	Krishna Canal ...	65,313	3,143	...	...	65,313	3,143	68,456	
	Total ...	8,53,384	22,998	5,018	5	3,48,346	22,093	3,71,339	
	Total, Major Works ...	9,48,315	1,00,896	5,018	13	9,43,297	1,00,373	10,43,670	
	MINOR WORKS AND NAVIGATION.								
16	Wangróli Tank ...	1,787	979	16	3	1,771	976	2,747	
17	Tránza-Nágramma Tanks ...	...	...	...	...	...	...	...
18	Savli Tank ...	2,420	727	20	...	2,400	727	3,127	
19	Sahát do. ...	...	...	...	...	...	...	...
20	Futáho do. ...	...	263	...	...	...	268	268	
21	Hartáta do. ...	144	50	...	...	144	50	194	
22	Mhasva do. ...	178	486	...	...	178	486	664	
23	Jámda Canals ...	5,504	1,644	...	...	5,504	1,644	7,148	
24	Parul Tank ...	164	3,716	...	...	164	3,716	3,880	
25	Pravara River Works—Pravara Left Bank Canal ...	...	...	...	...	...	...	...
26	Bhátdodi Tank ...	176	3,113	...	...	176	3,113	3,229	Canal closed temporarily for widening and extension.
27	Kásurdi do. ...	152	98	...	...	152	98	245	
28	Shiruphal do. ...	2,114	529	...	...	2,114	529	2,643	
29	Bhádalvádi do. ...	1,987	560	...	...	1,987	560	2,547	
30	Koregaon do. ...	481	2,032	...	...	481	2,032	2,513	
31	Asli do. ...	5,689	9,844	...	...	5,689	9,844	15,533	
32	Páthri do. ...	191	4,545	...	...	191	4,545	4,736	
33	Revári Canal ...	2,871	2,807	70	20	2,801	2,787	5,588	
34	Upper Mán River Works ...	876	2,411	...	...	876	2,411	3,287	
35	Yerla River Irrigation Works ...	2,872	9,705	1	6	2,871	9,699	12,570	
36	Chikhli Canal ...	1,748	347	...	...	1,748	347	2,095	
37	Maini Tank ...	276	6,137	...	...	276	6,137	6,413	
38	Muchkundi Tank ...	...	...	...	...	...	...	...
39	Gadikuri do. ...	...	...	...	...	...	...	...
40	Gokák Canal, 1st Section, and Storage Works ...	18,896	5,714	...	...	18,896	5,714	24,610	
41	Dámábal Tank ...	834	64	...	...	334	64	398	
42	Medleri do. ...	434	65	...	...	434	65	499	
43	Madag do. ...	1,265	1,087	...	...	1,265	1,087	2,352	
44	Asundi do. ...	391	336	...	...	391	336	727	
45	Mavinkop do. ...	...	...	...	...	...	...	...
46	Dharma Canal ...	2,201	...	...	...	2,201	...	2,201	
	Total, Minor Works ...	53,091	57,259	107	29	52,984	57,230	1,10,214	
	GRAND TOTAL ...	10,01,406	1,57,645	5,125	42	9,96,281	1,57,603	11,53,884	

STATEMENT I-F.

Statement showing water-rates per acre in force during 1916-1917 on Irrigation Works in the Bombay Presidency, excluding Sind.

No.	Names of Works.	WATER-RATES.								Muzo water Rs. & p.	Crop/pan's rate	Owner's rate Rs. & p.	Remarks.
		Irrigation in blocks.	Perennial.	Early eight months.	Monsoon four months.	Rabi four months.	Hot weather.	Miscellaneous.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
MAJOR WORKS.													
Protective Works.													
1	Pravara River Works— Pravara Right Bank Canal. (a) §	---	---	---	2 00	3 00	4 00	---	1 00				(a) Sanctioned till an assured supply of water can be given from the Government at Bhandarwara. The Government Resolution No. A. I.—1402, dated 1st September 1916, No. A. I.—1404, dated 25th March 1915 and No. A. I.—1403, dated 2nd November 1917.
2	Girna Left Bank Canal. (b) §	---	16	8 00	8 00	5 00	6 00	---	1 00				(b) Rates sanctioned in Government Resolution No. A. I.—1421 and 1424, dated 25th June 1916 and 4th October 1911 respectively.
3	Godavari Right Bank Canal (c) §	---	15	8 00	3 00	5 00	7 40	---	1 00				(c) Sanctioned in Government Resolution No. A. I.—1120 of 20th July 1911. A uniform rate of Rs. 2 per acre has been sanctioned for lands let out for cultivation within the limits of the Inhu Bwala, vide G. O. No. A. I.—7235, dated 9th August 1912.
	Godavari Left Bank Canal (c) §	---	15	8 00	3 00	5 00	7 00	---	1 00				(c) Sanctioned in Government Resolution No. 4816 of 18th May 1912.
4	Nira Canal (d) ...	16											(d) From 15th June to 14th February for ordinary crops.
	Shetpal Tank (d) ...												(d) From 15th February to 14th June for ordinary crops and for sugarcane and Pan gardens throughout the whole year.
5	Mhaswad Tank § (e) ...	---	13	7 00	3 00	4 00	8 00	---	1 00				(e) Sanctioned in Government Resolution No. A. I.—2913, dated 15th October 1910, and No. W. I.—1012, dated 10th May 1911.
Productive Works.													
9	Hahmatli Canal (m) ...	---	10	3 00	1 00	3 00	3 00	---	---				(f) For sugarcane and Pan gardens.
	Khari Out (m) ...	---	14	7 00	1 00	8 00	8 00	---	---				(f) For sugarcane and Pan gardens.
10	Lower Pánjhra River Works (f) ...	---	---	8 00	2 00	4 00	6 00	---	1 00				(g) These rates which were sanctioned in Government Resolution No. A. I.—703, dated 2nd February 1911 are to be in force till 15th February 1918.
11	Kádva River (Pákhod Canal ...)												(h) Rates sanctioned until further orders, vide Government Resolution No. W. I.—112, dated 12th July 1904.
	Ojhar-Tambat Works. (g) ...												(g) In force for 5 years ending 31st March 1921, vide Government Resolution No. A. I.—703, dated 2nd February 1911.
	Wadali Canal ...												(g) Rates for leased areas to be in force till 15th February 1918 on which date the leases will expire, vide Government Resolution No. A. I.—4166, dated 7th April 1916.
12	Pravara River Works—Lakh Canal (h) ...	---	---	8 40	0 80	2 60	4 00	---	---				(h) For the whole year.
13	Sugarcane under the Mutha Canal within the Poona City and Suburban Municipality and Contonment limits or within one mile of those limits. Sugarcane on all remaining land commanded by both the canals.		80										(i) For crops irrigated by canal water during the monsoon and rabi seasons and by wells during the hot weather.
	Sugarcane under the Matoba Tank.		40	8 00	3 00	5 00	7 00	---	1 00				(j) Rates for areas outside leased areas to be in force for 5 years ending 15th June 1919, and these rates will also apply to the leased areas on expiry of the present leases till 15th June 1919.
	Pán gardens ...		30						2 00				(k) Sanctioned in Government Resolution No. A. I.—227, dated 7th May 1911, and will be in force till 31st March 1915 unless orders from His Highness are available before then.
	Perennial crops other than Sugarcane and Pan gardens.		15										(l) Rates sanctioned for 10 years from 15th February 1911 to 15th February 1921, vide Government Resolution No. A. I.—2213, dated 15th October 1910.
													(m) In force till 15th February 1919, vide Government Order No. A. I.—2419, dated 25th February 1916 and No. A. I.—6192, dated 10th June 1917.
14	Ekrúk Tank (a) §	---	15	8 00	3 00	5 00	7 00	---	1 00				(n) Sanctioned for a term of 10 years up to 15th June 1920, vide Government Resolution No. A. I.—2840, dated 14th November 1910.
15	Krishna Canal (n) ...	---	15	8 00	3 00	5 00	7 00	---	1 00				(o) Rates sanctioned in Government Resolution No. A. I.—1129, dated 20th September 1910, are continued up to 15th June 1917, vide Government Resolution No. A. I.—1060, dated 4th October 1916.
MINOR WORKS AND NAVIGATIONS.													
10	Wangrull Tank (o) ...	---	---	6 00	2 00	4 00	6 00	---	1 80				(p) Rates sanctioned in Government Resolution No. A. I.—1129, dated 20th September 1910, are continued up to 15th June 1917, vide Government Resolution No. A. I.—1060, dated 4th October 1916.
17	Tranra-Nagramma Tanks (p) ...	---	---	6 00	2 00	4 00	6 00	---	1 00				(q) Rates sanctioned in Government Resolution No. A. I.—1129, dated 20th September 1910, are continued up to 15th June 1917, vide Government Resolution No. A. I.—1060, dated 4th October 1916.
18	Savali Tank (q) ...	---	---	8 00	4 00	4 00	6 00	---	1 00				(r) Rates sanctioned in Government Resolution No. A. I.—1236, dated 14th June 1910, are continued up to 15th June 1920, vide Government Resolution No. A. I.—287, dated 10th January 1916.

Note.—(1) For lift irrigation half the ordinary rates are charged.
 (2) Double the ordinary rates are charged as penal rates for taking water without permission.
 (3) Leakage or percolation rates are the same as ordinary rates.
 (4) Water rate for non-irrigational purposes should not be less than Rs. 1 per 10,000 cubic feet, vide Government Resolution No. A. I.—679, dated 26th January 1916 and No. A. I.—754, dated 21st July 1916.
 § For Sugarcane and Pan gardens double the ordinary rates are charged.

STATEMENT I-F—concluded.

No.	Names of Works.	WATER-RATES.							Single water-charge.	Occupier's rate.	Owner's rate.	Water advanced.	Remarks.
		Irrigation in blocks.	Perennial.	Early eight months.	Monsoon four months.	Rabi four months.	Hot weather.	Miscellaneous.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	MISOR WORKS AND NAVIGATION—concluded.		Rs. a.	Rs. a. p.	Rs. a. p.	Rs. a.	Rs. a.	Rs. a. p.	Rs. a. p.				
10	Bahit Tank (r)	...	...	6 8 0	2 8 0	4 0	6 0	For rice 4 0 0	1 8 0				(r) Sanctioned in Government Resolution No. A. I.—309, dated 15th February 1911, for a period of 3 years and the same rates are continued for a further period of 5 years ending 31st March 1913 as per Government Resolution No. A. I.—368, dated 27th June 1913.
20	Fuleao Tank	...	No rates were sanctioned for this year.										
21	Hartala Tank (f) †	...	8 0	4 0 0	2 0 0	2 0	4 0	.....	{ 1 0 0 12 0 0				(f) Sanctioned for a period of 3 years ending 31st March 1913, vide Government Resolution No. A. I.—3189, dated 16th May 1913.
22	Mhasva Tank (f) †	...	8 0	4 0 0	2 0 0	2 0	4 0	.....	{ 1 0 0 12 0 0				† Sugarcane and pan gardens to be charged double the seasonal rate except that the perennial rates for these crops should be Rs. 12 on Hartala and Mhasva tanks and Rs. 16 for Jamba canals.
23	Jamba Canals (f) †	...	10 0	5 0 0	2 0 0	2 0	5 0	.....	{ 1 0 0 12 0 0				
24	Parwal Tank (j)	...	...	7 0 0	2 0 0	5 0	8 0	.....	1 0 0				(j) Rates sanctioned in Government Resolution No. A. I.—1754, dated 10th August 1910, up to 14th June 1921. Water is not to be reserved for perennial irrigation.
25	Pravara River Works—Pravara Left Bank Canal. (k)	...	...	5 0 0	2 0 0	3 0	4 0	.....	2 0 0				(k) Sanctioned in Government Resolutions No. A. I.—1909, dated 26th June 1909, and No. A. I.—2051, dated 24th August 1909, in force until an improved supply is provided by the storage work of the Pravara River project.
26	Bhatodi Tank (l)	...	{ 11 14 8	6 8 0	2 8 0	4 0	8 0	.....	1 0 0				(l) In force till 15th October 1920, vide Government Resolution No. A. I.—13135, dated 28th November 1914.
27	Kasardi do. § (d)	...	...	6 8 0	2 8 0	4 0	6 0	.....	{ 1 0 0 2 0 0				(d) For the whole year.
28	Shjruphal do. § (d)	...	...	6 8 0	2 8 0	4 0	6 0	.....	{ 1 0 0 2 0 0				(d) Rates sanctioned for 10 years from 15th February 1911 to 15th February 1921, vide Government Resolution No. A. I.—2213, dated 15th October 1910.
29	Bhadavadi do. § (d)	...	...	6 8 0	2 8 0	4 0	6 0	.....	{ 1 0 0 2 0 0				† For Sugarcane and Pan gardens.
30	Koregon do. § (e)	...	13 0	7 0 0	3 0 0	4 0	6 0	.....	1 0 0				(e) In force till 15th February 1919, vide Government Resolutions No. A. I.—2415, dated 29th February 1919 and No. A. I.—5109, dated 19th June 1917.
31	Ashdi do. § (e)	...	15 0	7 0 0	3 0 0	4 0	6 0	.....	1 0 0				(e) Sanctioned for a term of 10 years or up to 15th June 1920, vide Government Resolution No. A. I.—2395 of 14th November 1910. For Perennial crops other than Sugarcane and Pan gardens.
32	Pathri do. § (e)	...	13 0	7 0 0	3 0 0	4 0	6 0	.....	1 0 0				(f) In force from 1st October 1913 as per Government Resolution No. A. I.—3635, dated 27th March 1914, for a term of 5 years. Water is allowed free of charge for non-perennial crops for the same period.
33	Bevari Canal (e)	...	{ 13 0 24 0	8 0 0	3 0 0	4 0	6 0	.....	{ 1 0 0 2 0 0				(g) Sanctioned for a period of 5 years from 1st April 1915 to 31st March 1920, vide Government Resolution No. A. I.—6098 of 26th May 1915.
34	Upper Man River Works (d)	...	{ 13 0 24 0	8 0 0	2 0 0	4 0	6 0	.....	{ 1 0 0 2 0 0				(h) For the whole year.
35	Yoris River Irrigation Works (e)	...	{ 12 0 24 0	6 0 0	2 0 0	4 0	6 0	.....	{ 1 0 0 2 0 0				(i) For sugarcane irrigated between 15th June and 14th February.
36	Chikhli Canal (e)	...	{ 12 0 24 0	6 0 0	2 0 0	4 0	6 0	.....	{ 1 0 0 2 0 0				(j) Sanctioned for a period of 5 years from 1st April 1915 to 31st March 1920, vide Government Resolution No. A. I.—5425 of 8th May 1915.
37	Maini Tank (e)	...	{ 12 0 24 0	6 0 0	2 0 0	4 0	6 0	.....	{ 1 0 0 2 0 0				† For Sugarcane, Betel-leaf, Coconut trees, &c., &c.
38	Muchkundi Tank (i)	...	8 0	4 0 0	.....	.....	.....	.....	.....				a From 15th June to 15th February.
39	Gadikeri do.	...	.....	.....	.....	.....	.....	.....	.....				b 15th October to 15th June or 1st August to 31st March.
40	Gokak Canal, 1st Section, and Storage Works (a)	...	{ (i) 23 0 (ii) 10 0	8 0 0	3 0 0	5 0	15 0	.....	1 0 0				c 15th June to 15th October of 15th July to 30th November.
41	Damal Tank (e)	...	7 14 0	{ 05 0 0 57 0 0	3 8 0	{ 3 8 4 4 0	{ 8 0 6 0	.....	{ 1 0 0 2 0 0				d 15th October to 15th February.
42	Mederi do. (v)	...	7 14 0	{ 05 0 0 57 0 0	3 8 0	{ 3 8 4 4 0	{ 8 0 6 0	.....	{ 1 0 0 2 0 0				e 15th June to 15th October.
43	Madag do. (v)	...	7 10 0	{ 05 0 0 57 0 0	3 8 0	{ 3 8 4 4 0	{ 8 0 6 0	.....	{ 1 0 0 2 0 0				f 15th October to 14th June.
44	Asundi do. (v)	...	7 14 0	{ 05 0 0 57 0 0	3 8 0	{ 3 8 4 4 0	{ 8 0 6 0	.....	{ 1 0 0 2 0 0				g 15th February to 15th June.
45	Mavinkup do.	...	.....	.....	.....	.....	.....	.....	.....				h Rates sanctioned for 5 years, vide Government Resolution No. A. I.—3903 of 10th April 1913.
46	Dharma Canal (w)	...	14 0	{ 05 0 0 57 0 0	3 8 0	{ 3 8 4 4 0	{ 8 0 6 0	.....	{ 1 0 0 2 0 0				

Note—(1) For lift irrigation half the ordinary rates are charged.
 (2) Double the ordinary rates are charged as penal rates for taking water without permission.
 (3) Leakage or percolation rates are the same as ordinary rates.
 (4) Water rate for non-irrigational purposes should not be less than Rs. 1 per 10,000 cubic feet, vide Government Resolutions No. A. I.—679, dated 29th January 1913, and No. A. I.—764, dated 31st July 1913.
 § For Sugarcane and Pan gardens double the ordinary rates are charged.

STATEMENT G.

STATEMENT

Statement showing Areas and Water-rate Assessments in the Bombay Presidency, during the Season

No.	Names of Works.	IRRIGATION IN BLOCKS.		PERMANENT.		3 MONTHS.		NONSEASON - 4 MONTHS.		RAIN - 4 MONTHS.	
		Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
MASON WORKS.											
Protective Works.											
1	Pravara River Works—Pravara Right Bank Canal	...	...	1,840	8,641	100	804	47	108	464	707
2	Charangpur Tank—Pravara Left Bank Canal	...	...	90	3,787	87	388	9	0	1,047	3,018
3	Lake Beds	...	...	8,261	1,09,918	180	1,030	184	0	11,310	80,641
4	(Holavari Right Bank Canal)	...	...	...	...	...	...	...	...	...	...
5	(Holavari Left Bank Canal)	...	...	...	...	...	...	...	...	...	...
6	Nira Canal including Sathpal Tank.	10,800	3,70,000	100	8,338	3,740	8,020	10,000	8,060	87,474	7,848
7	Mhaswad Tank	...	...	...	...	...	...	...	...	...	...
	Total	10,800	3,70,000	10,108	3,00,107	5,148	31,90	8,948	11,707	87,917	80,801
	Average rate	...	10'40	...	24'00	...	9'30	...	2'00	...	8'10
Productive Works.											
9	Hethmal and Rharat Out Canals combined	...	...	411	104	5,800	87,014	14	80	880	712
10	Lower Vanjra River Works—Waghod Tank	...	...	17	100	106	680	8	18	402	1,008
11	Kalva River (Palkhed Canal) (Old) Tamal Canal	...	...	578	5,167	787	4,304	0	27	608	1,410
12	Pravara River Works—Lakh Canal (Within the Purna City, Rimbhan Municipal and Cantonment limits or within one mile of those limits)	...	...	100	3,207	820	1,078	86	174	888	010
13	Matha Canals, including Minto Tank	...	...	17	810	0	0	9	0	80	305
14	Matocha Tank	...	...	66	304	7	87	...	...	802	188
15	On all the remaining land commanded by both Canals, the 1st 2nd & 3rd sections wherever situated throughout the Canals.	...	...	4,941	1,58,833	...	...	...	...	...	...
16	All lands commanded by both Canals	...	...	7	810	1,122	8,070	08	2,074	1,320	8,084
17	Matocha Tank	...	...	404	0,070	...	...	...	...	...	...
	Total	...	...	6,440	2,00,018	...	...	...	...	...	...
14	Hark Tank	...	...	0'0	11,832	101	1,218	874	1,122	842	8,170
16	Krishna Canal	...	...	9,000	20,070	841	8,444	284	5,000	301	1,010
	Total	...	...	9,000	20,070	7,001	23,000	8,704	87,012	1,008	4,868
	Average rate	...	...	...	...	...	...	...	...	...	...
BRICK WORKS AND NAVIGATION.											
17	Wangrol Tank	...	...	...	...	...	...	481	1,787	408	670
18	Tarapur-Nagravina Tanks	...	...	...	...	...	...	...	...	...	...
19	Wadi Tank	...	...	...	...	...	...	608	3,497	808	787
20	Palat do.	...	...	...	...	...	...	...	...	...	...
21	Fulao do.	...	...	...	...	...	...	...	...	...	...
22	Hartal do.	...	...	...	...	...	...	...	...	...	...
23	Mhaswa do.	...	...	...	...	...	...	...	...	...	...
24	Janala Canals	...	...	...	...	...	...	...	...	...	...
25	Parvat Tank	...	...	...	...	...	...	...	...	...	...
26	Pravara River Works—Pravara Left Bank Canal	...	...	...	...	...	...	...	...	...	...
27	Bhatol Tank	...	...	...	...	...	...	...	...	...	...
28	Kanool do.	...	...	...	...	...	...	...	...	...	...
29	Mithalvali do.	...	...	...	...	...	...	...	...	...	...
30	Bhatolvali do.	...	...	...	...	...	...	...	...	...	...
31	Korogoon do.	...	...	...	...	...	...	...	...	...	...
32	Asit do.	...	...	...	...	...	...	...	...	...	...
33	Patil do.	...	...	...	...	...	...	...	...	...	...
34	Haveli do.	...	...	...	...	...	...	...	...	...	...
35	Upper Man River Works	...	...	...	...	...	...	...	...	...	...
36	Verla River Irrigation Works	...	...	...	...	...	...	...	...	...	...
37	Chikhal Canal	...	...	...	...	...	...	...	...	...	...
38	Mohi Tank	...	...	...	...	...	...	...	...	...	...
39	Mushkundi do.	...	...	...	...	...	...	...	...	...	...
40	Ganikheri do.	...	...	...	...	...	...	...	...	...	...
41	Ganikheri Canal, 1st section	...	...	...	...	...	...	...	...	...	...
42	Dambol Tank	...	...	...	...	...	...	...	...	...	...
43	Bhatol do.	...	...	...	...	...	...	...	...	...	...
44	Bhatol do.	...	...	...	...	...	...	...	...	...	...
45	Bhatol do.	...	...	...	...	...	...	...	...	...	...
46	Bhatol do.	...	...	...	...	...	...	...	...	...	...
47	Bhatol do.	...	...	...	...	...	...	...	...	...	...
48	Bhatol do.	...	...	...	...	...	...	...	...	...	...
49	Bhatol do.	...	...	...	...	...	...	...	...	...	...
50	Bhatol do.	...	...	...	...	...	...	...	...	...	...
	Total	601	12,708	8,018	30,178	7,041	38,107	4,118	7,881	8,810	36,408
	Average rate	...	10'08	...	7'08	...	4'08	...	3'40	...	4'81
	Grand Total	10,461	3,40,800	20,824	6,08,284	10,787	1,16,018	7,437	88,878	89,880	128,000
	Average rate	...	17'08	...	24'06	...	8'01	...	5'14	...	8'40

Note.—The difference between the figures of total areas and assessments in this Statement and those in Statements I—K to IV—K is hypothetical and are arrived at on the assumption that

Note.—Under head "Rain—4 months" the figures of areas include the charges of wheat cultivation for which water was supplied free

G.

excluding Sind, during 1910-1917, according to the system of classification adopted in of Water-rates.

Irrig. WEATHER.		Miscella-NEOUS.		GRAND TOTAL.		Area of irrigated land which water has given benefit.	Loss of Revenue due to crop which water has not given during season.	REMARKS.	
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.				
119	478	6	30	8,378	10,388	844	728		
22	200	8	2,208	3,247	9,198	880	4,346	* This is the area in the path of Lake Daula let-out for cultivation.	
143	1,936	100	1,037	10,482	14,418	1,001	20,455		
63	441	147	398	8,128	4,15,148	1,051	5,208		
70	801	69	99	4,440	80,430	634	5,404		
717	4,398	1,070	4,012	60,030	5,72,660	8,551	40,570	† This includes Rs. 10,118 for the difference between the amount of water rates charged according to the area actually watered and the amount to be recovered from the irrigators according to the areas ascertained in eight months blocks appearing in their applications.	
...	0.11	...	6.45	...	10.00	...	...
...	...	818	300	5,844	24,705	...	...	‡ This includes 10 acres of sugarcane for which water was given in different seasons.
1	7	...	...	(1) 0.17	2,708	...	...	§ No. 4,000 in Kharid and No. 2 in Nahi have had to be omitted partly on account of his ayat and partly owing to the delinquency of supply and mistakes made in measurements.
06	472	10	1,074	1,065	14,568	606	1,788	(f) Exclusive of 1,311 acres of seasonal Dargyat area on the Lower Panjra River Works.	
14	14	100	774	103	3,747	313	578	(g) Exclusive of Rs. 2,440 on account of enhanced water rates on old works of the Lower Panjra River Works.	
94	107	10	304	115	3,000	84	178		
9	18	...	...	300	...	128	350	
88	800	608	680	10,408	3,17,483	540	2,068		
870	1,800	8	18	1,420	18,744	...	...
10	16	78	688	8,028	60,460	...	...
471	8,171	1,020	4,768	20,807	8,04,008	1,387	8,878		
...	0.78	...	4.00	...	14.68	...	...
...	...	...	...	800	3,700	...	...
...	...	...	...	970	2,147	...	...
...	...	...	...	80	308	...	...
...	10	...	...	30	156	...	...
...	70	...	...	310	604	...	...
...	08	...	0.18	701	2,080	...	187	637	
...	...	...	...	808	8,330	...	...	Canal closed temporarily for widening and extension.
...	18	8	18	80	340	...	100		
...	8	3	3	750	3,750	...	334		
...	80	140	...	681	3,018	...	64	336	
...	88	...	...	808	10,538	...	...
...	10	108	...	870	6,708	...	...
...	00	308	...	160	2,247	...	...
...	70	300	8	18	9,470	12,770	...		
...	1	8	48	108	3,708	...	...
...	...	...	...	1,400	6,418	...	...
...		
...		
...	78	808	8	88	4,280	24,610	...		
...	...	...	...	100	304	...	...
...	...	...	...	80	400	...	...
...	...	...	...	870	3,858	...	...
...	...	...	...	108	737	...	...
...	...	...	...	80	3,801	...	...
803	1,018	68	848	21,728	1,10,208	204	1,308		
...	0.87	...	81.68	...	0.08	...	...
1,460	0,190	3,100	10,280	1,10,100	11,80,808	11,088	60,340		
...	0.86	...	6.98	...	10.46	...	...

due to difference in treatment of fractions in some cases, and in others to the fact that the figures in this statement are more or less certain areas are assessed at certain rates. of charge as shown in a separate column, but the figure of assessment and the actual water rates charged for all crops except wheat.

Statement showing operations of the year 1916-1917

No.	Names of Works.	Amount of Estimate, Direct and Indirect.	CAPITAL OUTLAY, DIRECT AND INDIRECT.		LENGTH OF		AREA UNDER COMMAND.	
			During 1916-1917.	To end of 1916-1917.	Canal.	Distributaries.	Gross.	Irrigable at present.
1	2	3	4	5	6	7	8	9
	MAJOR WORKS.	Rs.	Rs.	Rs.	Miles.	Miles.	Acres.	Acres.
	<i>Protective Works.</i>							
1	Pravara River Works—Pravara Right Bank Canal	76,10,826	8,34,967	67,54,458	33	13	73,703	24,656
2	Chankápur Tank—Girna Left Bank Canal	17,69,596	17,379	19,02,189	13-11	9-33	18,982	5,100
3	Lako Beale Dam	98,36,251	1,72,646	1,00,08,897	70½	48	144,310	33,501
	Godavari Right Bank Canal ... ..	...	...	...	48	9-46	86,080	15,310
4	Godavari Left Bank Canal	*89,49,807	...	64,61,071	100-25	139	274,447	117,480
	Nira Canal, including Shetphal Tank	* 8,06,034	...	20,96,016	6-54	43-36	129,045	24,800
5	Mhasvad Tank	*27,34,496	...	...	66-25	...	...	...
	Total	3,17,56,610	10,24,992	2,72,22,631	337-65	262-75	728,61-7	220,847
	<i>Productive Works.</i>							
9	Háthmati and Khári Cut Canals combined	7,62,392	...	13,15,973	21	30	44,744	8,000
	Lower Pánjhra River Works	2,07,384	...	...	39	27	32,000	16,000
10	Wághad Tank	*7,04,681	...	4,68,621	...	45	13,117	12,627
	Kádra River Works	*7,01,730	...	...	11	14-36	28,832	9,837
	Patikéd Canal	*4,56,402	...	10,34,191	4-50	...	3,065	2,387
	Ojhar Támbat Canal	*17,735	...	...	6-62	...	8,456	2,433
	Wadali Canal	*63,461	...	...	25	9-37	29,913	11,280
12	Pravara River Works—Lákh Canal	*7,80,764	...	3,71,891	...	...	94,687	16,800
13	Mutha Canals, including Mátoba Tank	*1,23,78,762	36,074	79,20,237	88	17	10,700	3,250
	Total	2,10,500	...	...	...	...	...	...
14	Ekruk Tank	21,35,580	...	13,40,386	48	1-68	17,152	16,941
15	Krishna Canal	16,60,896	1,966	9,44,442	63-87	...	28,327	12,320
	Total	2,00,65,837	87,040	1,33,95,741	306-99	211-41	310,413	111,855
	Total, Major Works	5,18,21,847	10,62,032	4,06,18,372	644-64	474-16	10,39,040	332,702
	MINOR WORKS AND NAVIGATION.							
16	Wángroli Tank	2,48,544	2,634	2,89,065	13-79	...	5,000	3,400
17	Tránza-Nagrám Tanks	3,12,734	...	2,80,635	7-60	...	1,500	800
18	Sávlí Tank	2,49,222	...	2,55,210	8-35	1-32	4,700	3,000
19	Sahást do.	1,86,782	...	1,84,029	9-25	0-65	4,000	* 2,000
20	Futalao do.	1,10,786	7,704	1,16,461	3-29	...	1,500	800
21	Haráda do.	76,040	...	73,382	...	5-50	584	415
22	Mhasva do.	1,40,015	...	1,38,366	...	7-00	4,647	1,700
23	Jánda Canals	10,88,640	...	10,41,089	39	75-00	46,288	6,000
24	Parul Tank	2,28,612	...	2,14,995	...	4-75	3,337	1,000
25	Pravara River Works—Pravara Left Bank Canal†	3,48,211	...	3,47,550	19	21	28,724	14,769
26	Bhátodi Tank	3,78,278	...	3,79,707	4-50	5-50	18,128	12,124
27	Kásurdi do.	45,950	...	45,590	...	1-75	507	150
28	Shirsuphal do.	2,22,282	...	2,24,568	...	12-50	4,600	1,800
29	Bhádálvadi do.	2,28,724	...	2,27,422	...	9-75	3,000	2,000
30	Koregnon do.	42,049	...	39,189	3-75	...	2,394	1,050
31	Ashtí do.	8,34,927	...	8,36,091	27-50	3-15	17,882	11,780
32	Páshri do.	6,42,846	...	6,42,846	4-66	3-33	5,000	2,500
33	Kovári Canal	59,443	...	59,611	10-25	...	3,813	1,920
34	Upper Man River Works	4,44,631	...	4,39,236	17-50	6-50	8,143	2,080
35	Yerla River Irrigation Works	7,45,314	...	7,64,870	33-33	4-00	11,234	5,480
36	Chikhli Canal	57,415	...	57,442	6-50	...	1,371	1,478
37	Mauí Tank	3,90,492	...	4,87,660	9-25	7-58	4,876	4,885
38	Muchkundi do.	1,68,420	...	1,58,707	5-50	2-25	6,570	760
39	Gadikori do.	17,631	...	16,918	...	...	687	417
40	Gokák Canal, 1st Section, and Storage works	15,40,882	...	13,81,922	16-13	35-43	18,668	17,627
41	Dambal Tank	64,906	...	63,960	...	3-27	3,000	1,000
42	Medleri do.	81,705	...	81,392	...	5-54	1,916	600
43	Madag do.	2,49,407	...	1,97,598	9-00	...	2,851	1,845
44	Asundi do.	80,485	...	74,995	...	4-88	1,800	1,011
45	Mávrinkop do.	34,384	...	33,504	...	2-79	872	617
46	Dharma Canal	98,834	2,565	87,639	27-15	3-71	13,562	12,870
	Total, Minor Works	94,41,905	12,903	92,12,499	276-00	227-43	222,972	116,102
	GRAND TOTAL	6,12,63,752	10,74,935	4,98,30,871	920-64	701-59	1,262,012	448,504

H.

in the Bombay Presidency excluding Sind.

Rainfall.	Discharge of Canal at head, cubic feet per second.	AREA		Amount of gross Assessment.	Realiza-tions.	Working Expenses.	Net Revenue.	Remarks.
		Applied for.	Irrigated.					
10	11	12	13	14	15	16	17	18
Inches.		Acres.	Acres.	Rs.	Rs.	Rs.	Rs.	
43-44	65-41	2,780	2,278	10,004	15,425	10,543	-4,118	* Includes interest charges during construction.
24-51	82-54	2,329	1,837	8,802	12,027	17,226	-4,509	
39-06	312-78	829	829	1,05,180	2,28,111	1,40,354	77,867	† The Canal closed temporarily for widening, etc.
32-04	104-00	17,468	15,453					
32-04		4,527	8,549					
32-62	240	Information not available	34,228					
39-67	24			4,40,009	4,94,076	1,54,605	3,40,011	
25-65	25-05	6,148	4,346	33,734	42,850	17,122	26,734	
...	.....	34,381	63,020	6,06,209	7,09,695	3,48,810	4,44,886	
21-29	18	760	785	39,394	34,213	38,300	-4,147	
26-64	88	6,002	5,559					
33-61	4-32	666	617					
...	.....		\$1,811	16,498	17,947	7,187	10,760	
40-94	20-88	2,799	1,885	25,016	31,518	10,024	16,494	
18-48	5-28	1,072	832					
28-64	5-24	238	193					
32-83	15-50	461	266					
29-07	162	Information not available	10,402	1,562	1,903	2,510	-602	
26-13	4-58			4,16,124	4,27,333	1,75,793	2,51,540	
...	.....	166-58						
45-63	24-61	1,400	1,428	81,995	78,568	12,469	61,000	
27-06	54-65	3,550	3,399	71,575	80,121	16,099	78,023	
...	.....	17,018	26,897	6,52,182	6,75,638	2,68,472	4,07,166	
...	.....		\$1,811					
...	.....	51,394	88,417	13,47,391	14,00,338	6,17,282	8,52,051	
...	.....		\$1,811					
33-45	Mft. 63	686	859	6,306	4,556	8,015	-3,459	
20-37	.....			547	542	2,865	-2,313	
26-47	Mft. 56	562	970	3,675	2,784	8,001	-5,217	
20-41	.....			723	1,187	7,304	-6,117	
27-87	Mft. 11-5	241	89	421	163	1,700	-1,637	
43-23	0-23	42	39	563	691	1,171	-480	
30-12	1-61	358	346	1,634	3,099	2,465	634	
25-04	44-93	1,518	1,274	10,477	11,880	18,993	-2,083	
26-73	2-00	900	781	8,907	6,158	4,984	1,224	
43-44	.....	2-42	900	2,406	6,162	6,857	-665	
41-46	.....			7,333	8,224	3,058	4,646	
25-67	.....	Information not available.	80	287	564	625	-71	
28-21	1-29		752	3,573	4,904	2,582	2,322	
29-63	1-01		631	2,734	4,698	2,667	2,011	
44-48	0-76	400	431	2,563	3,162	922	2,240	
34-32	5-55	2,500	2,504	18,038	18,090	8,840	12,241	
47-89	1-41	800	885	4,877	5,731	2,092	3,729	
30-31	3-35	1,073	870	6,100	7,543	1,812	6,381	
27-65	4-00	1,180	699	4,323	5,284	3,007	2,317	
30-47	12-79	4,606	2,476	13,067	18,484	7,426	11,038	
28-51	6-35	433	108	3,358	8,914	782	3,132	
46-53	9-63	1,905	1,489	7,049	8,254	3,141	5,118	
36-87	.....			171	171	143	28	
22-67	.....		\$377	2,061	2,061	889	1,722	‡ Area under consolidated assessment.
32-23	36-87	5,078	4,236	41,788	43,160	11,186	31,974	
20-20	3-26	255	106	1,961	1,931	1,278	668	
21-94	2-41	74	60	825	771	683	-62	
23-76	7-51	568	570	2,545	1,762	1,874	-122	
23-76	3-24	190	190	1,961	1,842	1,132	710	
58-24	.....		\$587	2,244	2,244	2,170	74	
33-71	30-46	440	508	-2,876		1,158	-3,688	
...	.....	24,802	21,752	1,55,763	1,77,266	1,124-66	65,140	
...	.....		\$8,159					
...	.....	76,196	1,10,169	16,03,164	16,40,536	7,29,348	9,17,191	
...	.....		\$10,070					

STATISTICAL STATEMENTS.

FOR

IRRIGATION WORKS, SIND,

FOR THE YEAR 1916-17.

STATEMENT

Statement of Canals in the Indus

MAJOR WORKS.				
Begari Canals District.				
	Desert Canal.	Unhārwah.	Begāri Canal.	Total.
1	2	3	4	5
Source of supply of water	River Indus.	River Indus.	Wadhu Dhand or River Indus.	...
Minimum discharge of water ... C. ft. per sec.	...	...	...	...
Maximum discharge of Canal	4,980	2,535	7,850	...
Average annual rainfall ... ..Inches.	2.68	1.88	4.09	...
Gross area commanded ... ..Aeres.	388,985	246,970	751,680	1,387,635
Culturable area commanded	388,985	214,056	680,521	1,283,562
Area irrigable by complete project	129,660	112,025	340,260	581,945
Area irrigable at present	129,660	112,025	340,260	581,945
<i>Sanctioned Estimate.</i>				
Direct charges Rs.	26,40,891	7,68,050	24,69,981	58,78,922
Indirect charges "	79,665	20,780	64,606	1,65,051
Interest during construction... .. "	25,78,154	6,78,430	39,36,162	71,92,746
Total, Estimate Rs.	52,98,710	14,67,260	64,70,749	1,32,36,719
<i>Expenditure to end of 1916-1917.</i>				
Direct charges Rs.	26,40,891	7,68,050	23,72,384	57,81,325
Indirect charges "	79,665	20,780	78,557	1,79,002
Interest during construction... .. "	25,78,154	6,78,430	39,36,162	71,92,746
Total, Expenditure Rs.	52,98,710	14,67,260	63,87,103	1,31,53,073
<i>Works as now sanctioned.</i>				
Main Canals Irrigation Miles.	96	34	80	210
Branch Canals "	171	82	114	367
Distributaries "	69	5	54	128
Of the above—				
Navigable Canals Miles.	4	...	58	62
<i>Works completed at end of 1916-1917.</i>				
Main Canals Irrigation Miles.	96	34	80	210
Branch Canals "	171	82	114	367
Distributaries "	69	5	54	128
Of the above—				
Navigable Canals Miles.	4	...	58	62

I-A.

Right Bank Division for 1916-1917.

Shikarpur Canals Dis- trict.	MINOR WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.			MINOR WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.		
	Ghar Canals District.		Karachi Canals District.	Shikarpur Canals District.	Western Nara District.	Karachi Canals District.
	Mahiwah. Sukkur Canal.	Ghar Canal.	Sattah Canal.	Other Canals.	Other Canals.	Other Canals.
6	7	8	9	10	11	12
Gudn Dhand or River Indus.	River Indus.	River Indus.	River Indus.	River Indus.	River Indus.	River Indus.
...
2,728	3,126	8,594	1,381	...	...	...
30	404	365	1429	300	086	1480
200,251	246,713	505,649	60,976	678,175	900,588	6,158,771
145,445	162,118	395,944	23,757	527,362	715,718	1,799,083
99,000	90,000	250,000	23,767	328,640	405,311	1,295,923
99,000	90,000	250,000	14,059	328,640	397,696	283,244
14,45,248	13,64,754	5,48,405	1,74,028	...	...	...
72,103	61,496	30,854	6,051	...	...	...
6,89,093	...	...	...	...	...	...
22,08,359	14,26,250	5,79,259	1,80,079	...	...	...
13,81,060	13,84,754	5,48,405	1,74,028	...	...	...
58,808	61,496	30,854	6,051	...	...	...
6,89,093	...	...	...	...	...	...
21,28,871	14,26,250	5,79,259	1,80,079	...	...	...
29	74	39	30	182	352	460
177	56	123	6	96	313	462
87	...	144	...	...	16	...
...	...	103	4	...	268	164.
29	74	39	30	182	352	460
177	56	123	6	96	313	462
87	...	144	...	...	16	...
...	...	103	4	...	268	164

STATEMENT

Statement of Canals in the Indus

1	MARON WORKS.								
	Jámrió Canal District.	Nasrat Canals District.			Eastern Nára District.				
	Jámrió Canal.	*Dád Canal.	Nasrat Canal.	Total.	Nára Supply Channel.	Eastern Nára.	Mithráio Canal.	Thar Canal.	Ehípro Canal.
2	3	4	5	6	7	8	9	10	
Source of supply of water	Eastern Nára.	Indus.	Indus.	...	Indus.	Nára Supply Channel.	Eastern Nára.	Eastern Nára.	Eastern Nára.
Minimum discharge of River ... C. ft. per second.	.....	(a) 17,568	(a) 17,568	...	(a) 17,568	..	...	...	...
Maximum discharge of Canal... ..	2,864	4,569	2,530	...	...	...	2,900	1,400	...
Average annual rainfall Inches.	10.96	16.64	8.4	...	...	11.6	11.63	9.15	14.0
Gross area commanded Acres.	870,860	682,297	833,700	1,055,997	151,400	705,420	435,907	158,039	35,748
Culturable area commanded	793,114	413,915	324,191	738,106	25,000	506,778	405,457	136,000	33,845
Area irrigable annually by complete project .	300,000	156,685	104,100	260,785	23,000	90,900	146,500	50,000	8,000
Area irrigable at present	264,371	121,285	67,200	138,485	9,000	58,400	132,000	50,000	8,000
<i>Sanctioned Estimate.</i>									
Direct charges Rs.	89,56,580	26,67,076	18,69,708	45,36,784	...	...	...	...	...
Indirect charges	56,32,929	13,99,393	9,15,407	23,14,800	...	...	...	...	...
Interest during construction	56,32,929	13,99,393	9,15,407	23,14,800	...	...	...	...	...
Total, Estimate Rs.	1,44,83,453	40,66,469	27,85,115	68,51,584	...	...	...	...	...
<i>Expenditure to end of 1916-1917.</i>									
Direct charges Rs.	85,84,355	25,76,626	18,11,482	48,88,108	...	...	...	...	...
Indirect charges	2,56,720	93,769	58,226	1,51,995	...	...	...	...	...
Interest during construction	55,32,929	13,99,393	9,15,407	23,14,800	...	...	...	...	...
Total, Expenditure Rs.	1,43,74,004	40,69,788	27,85,115	68,54,903	...	...	...	...	...
<i>Works as now sanctioned.</i>									
Main Canals Irrigation Miles.	117	96	97	193	12	(d) 320	97	24	38
Branch Canals	63	193	95	288	...	...	49	48	5
Distributaries	457	(e) 153	118	276	...	31	42	2	...
Of the above—									
Navigable Canals Miles.	.....	...	...	...	12	320	92	...	...
<i>Works completed at end of 1916-1917.</i>									
Main Canals Irrigation Miles.	117	87	79	166	12	(d) 320	96	24	15
Branch Canals	63	193	136	328	...	...	49	48	...
Distributaries	457	(e) 136	69	205	...	...	41	2	...
Of the above—									
Navigable Canals Miles.	.....	...	...	...	12	320	92	...	...

* Includes figures for Ben Distributary ex Dad.
(a) Minimum discharge of Indus at Bukkur.
(b) Do. Do. at Kotri.
(c) Includes 23 miles of Ben Distributary ex Dad.
(d) Practically a river.

I-A—concluded.

Left Bank Division for 1916-1917.

		MAJOR WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.							MINOR WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.		
		Hyderabad Canals District.				Pulich Canal District.			Naras Canals District.	Hyderabad Canals District.	Pulich Canals District.
Head Canal.	Total.	Alibhar Kacheri.	Great Marak.	Surtees.	Total.	Pulich Canal.	Hannall Canal.	Total.	Total.	Total.	Total.
11	12	13	14	15	16	17	18	19	20	21	22
Eastern Nara.	.....	Indus.	Indus.	Indus.	...	Indus.	Indus.	...	Indus.	Indus.	Indus.
.....	.....	(a) 17,568	(a) 17,568	(a) 17,568	...	(b) 17,568	(b) 17,568	...	(a) 17,568	(a) 17,568	(b) 17,568
.....	.....	867	2,998	921	...	12,000	1,000	...	...	...	...
12-69	.....	15-42	14-70	12-75	...	14-12	12-61	...	...	13-54	13-6
55,481	1,631,990	75,500	240,000	165,000	480,500	17,08,000	144,000	1,847,000	700,000	680,000	147,800
49,928	1,157,003	51,900	238,400	189,400	429,700	1,437,500	84,000	1,521,500	800,108	827,370	95,000
15,700	381,000	18,800	58,950	40,800	117,450	480,000	30,000	480,000	111,800	215,800	85,000
20,000	277,400	18,800	58,850	40,800	117,450	460,000	20,000	470,000	86,560	215,800	83,500
.....	70,10,412	{ 23,207 710	{ 2,07,438 8,310	{ 1,18,559 6,121	{ 3,49,202 15,141	{ 20,46,085 71,480	{ 2,80,920 14,876	{ 23,40,800 86,388	...	...	...
.....	99,24,386	...	...	...	...	...	...	...	...	...	...
.....	1,69,84,748	23,917	2,15,746	1,24,080	3,64,848	20,46,085	3,04,805	23,40,800	...	...	...
.....	67,79,815	23,207	2,07,438	1,18,559	3,49,202	10,24,515	2,89,920	23,14,444	...	...	...
.....	2,35,105	710	8,310	6,121	15,141	71,480	14,876	86,388	...	...	...
.....	99,24,386	...	...	...	...	...	...	...	...	...	...
.....	1,69,88,256	23,917	2,15,746	1,24,080	3,64,848	19,96,001	3,04,805	23,00,806	...	...	...
19	510	26	28	79	131	100	34	134	110	137	65
22	124	33	146	34	213	870	46	922	142	443	60
.....	75	...	...	...	...	20	14	48	15	...	4
.....	424	22	22	30	74	328	30	367	...	105	10
19	486	26	24	79	128	100	34	134	110	137	65
22	119	33	146	34	213	874	46	920	141	440	60
.....	48	...	...	...	...	22	14	36	15	...	4
.....	424	22	22	30	74	328	30	367	...	105	10

STATEMENT
Capital Account of Irrigation Works

Name of Work.	DURING YEAR.									
	Direct Charges.					Indirect Charges.				
	Works.	Estab- lish- ment.	Tools and Plant.	Total.	Deduct Receipts on Capital Account.	Total.	Capitali- zation.	Leave and Pension Allowances.	Total.	
1	2	3	4	5	6	7	8	9	10	
MAJOR WORKS.										
PRODUCTIVE WORKS.										
1. Desert Canal
2. Unharwah
3. Begari Canal	241	...	...	241	...	241	13	...	13
4. Mahiwah	2,569	116	...	2,685	...	2,685	...	16	16	
5. Eastern Nara Works	10,420	2,995	138	13,551	...	13,551	415	419	834	
6. Jamrao Canal	1,72,295	89,195	2,743	2,14,233	...	2,14,233	...	5,437	5,437	
7. Dad do.	10,301	4,338	302	15,441	...	15,441	...	607	607	
8. Nasrat do.	—8,662	...	...	—8,662	...	—8,662	591	...	591
9. Naulakhi do. ... ..	...	...	...	...	...	...	...	...	...
10. Sukkur Barrage Works ... ..	...	...	...	...	...	...	...	...	...
Total ...	1,37,664	46,644	3,131	2,37,439	...	2,37,439	1,019	6,529	7,548	
MINOR WORKS AND NAVIGATION.										
11. Sukkur Canal ... ..	...	...	...	...	...	...	...	...	...
12. Ghar do. ... ..	...	...	...	...	...	...	...	...	...
13. Suttah do. ... ..	...	...	...	...	...	...	...	...	...
14. Alibbar Kachori Canal ... ..	...	...	...	...	...	...	...	...	...
15. Mārak Groat do. ... ..	...	...	...	...	...	...	...	...	...
16. Sarfraswah ... ..	...	...	...	...	...	...	...	...	...
17. Fulei Canal	8,999	1,935	135	11,069	...	11,069	...	271	271	
18. Hasanali do. ... ..	...	...	...	...	...	...	...	...	...
Total ...	8,999	1,935	135	11,069	...	11,069	...	271	271	
GRAND TOTAL ...	1,96,663	48,579	3,316	2,48,558	...	2,48,558	1,019	6,800	7,819	

I-B.

in Sind for and to end of 1916-1917.

TO END OF YEAR.										
Grand Total.	Direct Charges.						Indirect Charges.			Grand Total.
	Works.	Establishment.	Tools and Plant.	Total.	Defect Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.	
11	12	13	14	15	16	17	18	19	20	21
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
...	21,31,974	4,83,275	25,679	26,40,928	37	26,40,965	3,384	77,361	70,065	27,20,556
...	6,81,222	1,34,479	2,349	7,68,060	...	7,68,060	1,068	18,427	20,780	7,88,830
264	20,11,890	3,54,234	6,279	23,72,403	19	23,72,384	17,925	60,032	78,657	24,50,941
2,701	11,27,573	2,43,093	9,500	13,81,066	6	13,81,072	24,640	84,159	68,808	14,00,868
14,385	53,64,788	13,43,345	71,858	67,79,991	176	67,79,815	3,064	2,32,021	2,35,105	70,14,920
2,19,720	69,16,129	14,84,264	1,81,837 (a) 4,806	85,85,336	981	85,84,355	48,924	2,07,796	2,56,720	88,41,075
16,048	21,82,413	3,74,941	19,306	25,76,660	34	25,76,626	41,378	52,401	98,769	26,70,395
8-3,071	15,51,355	2,58,410	6,875	18,11,640	158	18,11,482	22,749	35,477	58,226	18,69,703
...	4,876	238	...	5,112	...	5,112	...	33	33	5,145
...	-284	.....	...	-284	...	-284	...	...	...	-284
2,45,087	2,19,23,936	46,72,177	8,23,183 (a) 4,806	2,69,20,903	1,411	2,69,19,491	1,02,846	7,18,817	8,81,063	2,78,01,164
...	11,89,526	2,11,488	13,920	13,04,914	100	13,04,764	20,408	41,020	61,400	14,26,250
...	4,46,950	96,471	2,984	5,46,405	...	5,46,405	12,536	18,318	30,854	5,77,259
...	1,40,138	31,819	2,076	1,74,023	...	1,74,023	1,597	4,464	6,061	1,80,079
...	19,636	3,548	23	23,207	...	23,207	...	710	710	23,917
...	1,70,829	35,275	1,612	2,07,516	80	2,07,436	1,409	6,901	8,310	2,15,746
...	1,03,482	15,097	30	1,18,569	...	1,18,569	3,102	2,019	6,121	1,24,690
11,340	15,76,090	3,40,940	8,869	19,25,019	504	19,24,515	14,412	57,074	71,486	19,96,001
...	2,25,242	40,286	5,301	2,69,929	...	2,69,929	7,975	6,900	14,876	3,04,805
11,340	33,31,738	7,85,004	24,835	40,51,577	744	40,50,833	61,498	1,38,406	1,99,904	42,50,737
2,56,377	2,57,52,874	54,57,181	3,58,018 (a) 4,806	3,15,72,479	3,156	3,15,70,324	2,24,344	8,57,223	10,31,667	3,26,01,991

(a) Surplus Account.

E. M. COOK,
Accountant General, Bombay.

STATEMENT

Statement showing the Financial Results of Irrigation

Realizations under main heads of

Works.	REVENUE (ACTUAL RECEIPTS).												Revenue Manage			
	Irrigation.					Total.	Plan- tation.	Mis- cellane- ous.	Total.	Less— Refunds of Re- venue.	Gross Revenue less Refunds.	Deduct- Share due to old Irriga- tion.	Total Revenue due to Improve- ment.	Establishment.		
	Direct.	Indirect.		Total.	Total.									Dirac- tion.	Execu- tive.	Civil Officers.
	Water- rates directly paid.	Share of Land Revenue.	4 per cent on 1/4ths of proceeds from sale of occupancy rights in waste or other lands up to end of year.	Total.	Total.											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
PRODIGIOUS WORKS.																
1. Desert Canal ...	1,09,677	3,64,368	2,125	3,66,483	4,76,160	71	4,690	4,80,321	...	4,80,321	...	4,80,321	...	...	24,529
2. Utharwah ...	292	1,83,467	3,015	1,86,502	1,86,794	35	1,101	1,87,930	...	1,87,930	...	1,87,930	...	...	11,061
3. Dogari Canal ...	39,601	6,82,337	9,061	6,91,448	7,30,449	21	3,803	7,34,273	...	7,34,273	33,613	7,00,660	...	...	44,503
4. Mahiwal ...	456	1,81,423	3,106	1,84,522	1,84,983	37	4,063	1,89,108	...	1,89,108	1,10,497	78,611	...	...	18,374
5. Eastein Nara Works.	3,523	6,60,469	3,730	6,64,178	6,97,410	2,193	13,605	6,92,808	...	6,92,808	...	6,79,056	...	...	40,020
6. Jamsal Canal ...	2,073	6,83,612	60,107	7,63,009	7,65,081	189	42,634	7,98,104	...	7,98,104	...	7,98,104	...	43,259	21,327	
7. D44 do. ...	1,634	3,82,868	8,015	2,90,678	2,92,607	330	1,781	2,94,618	...	2,94,618	83,913	2,10,705	...	...	20,083
8. Narsal do. ...	597	2,73,983	13,373	2,87,366	2,87,943	199	2,268	2,90,410	...	2,90,410	72,854	2,17,556	...	...	17,399
9. Naukhi do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10. Sukkur Barrage Works	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	1,67,151	33,12,509	1,11,613	34,34,181	36,81,333	3,080	72,665	36,67,267	...	36,67,267	3,04,321	33,62,946	...	43,259	1,91,849	
MINOR WORKS AND NAVIGATION.																
11. Sukkur Canal ...	1,290	3,03,393	846	3,04,239	3,05,518	8	2,196	3,07,712	...	3,07,712	84,808	2,22,906	...	...	21,694
12. Ghar do. ...	4,147	9,84,878	7,605	9,73,483	9,76,630	50	2,996	9,79,676	...	9,79,676	1,35,512	8,44,164	...	...	63,433
13. Sutthah do. ...	89	20,510	646	21,236	21,306	...	170	21,626	...	21,665	16,145	5,420	...	...	1,400
14. Alibhar Kachari Canal	373	82,155	840	32,066	33,237	...	220	33,496	...	33,496	17,505	15,991	...	...	3,940
15. Marak Great Canal...	1,783	1,93,496	3,406	1,96,903	1,98,685	...	1,603	2,00,467	...	2,00,467	59,437	1,41,030	...	...	14,106
16. Sarfarwah ...	1,204	61,403	1,294	62,697	63,901	...	736	64,637	...	64,637	18,806	45,831	...	...	4,509
17. Fuleli Canal ...	43,625	10,33,189	14,525	10,46,483	10,90,868	210	13,613	11,04,131	...	11,04,131	2,44,549	8,59,582	...	...	74,884
18. Hsanali Canal ...	66	53,625	639	54,164	54,229	3	611	54,843	...	54,843	5,916	48,927	...	...	3,291
Total ...	53,615	36,61,518	29,800	36,81,318	37,43,633	371	22,343	37,69,547	...	37,69,547	5,88,676	31,80,871	...	...	1,85,663
GRAND TOTAL ...	3,06,766	69,74,087	1,41,413	61,16,409	63,25,365	3,351	95,193	64,23,814	...	64,23,814	8,96,907	55,26,907	...	43,259	3,77,802	
Works for which only Revenue Accounts are kept	24,484	37,86,710	40,363	38,36,076	38,60,661	2,168	34,020	38,96,760	...	38,96,760	...	38,96,760	...	...	1,69,011

I-C.

Works in Sin3 for the year ended 31st March 1917.

Revenue and Working Expenses.

WORKING EXPENSES.															NET REVENUE.			
ment.	Maintenance and Repairs.														Total Working Expenses on Improvements.	Totals.	In the Improvements.	
	Establishment.			Works.	Repairs.	Sundries.	Plant-Mat.	Tools and Plant.	Total Cost of Maintenance.	Indirect Charges.	Grand Total Working Expenses.	Deduct—Of Maintenance Charges.						
	Direction.	Executive.	Total.									Direct.	Indirect.	Total.				
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
24,208	2,195	22,137	21,342	1,147	68,490	...	782	1,225	95,088	4,977	1,24,765	...	...	...	1,24,765	8,85,820	8,85,358
11,061	1,211	12,217	13,428	994	34,986	...	322	277	50,101	1,867	52,018	...	...	...	52,018	1,24,861	1,21,861
61,503	2,907	30,241	33,339	5,340	86,708	-699	444	1,283	1,26,411	4,803	1,26,411	1,75,817	8,757	9	8,750	1,87,068	8,88,460	8,78,809
13,274	2,293	1,778	4,171	8,258	62,841	...	4,982	1,001	76,270	564	80,228	21,007	279	21,280	60,048	60,048	9,068	
40,020	6,948	53,308	69,236	29,979	83,416	-170	1,727	2,289	1,85,818	8,200	2,33,022	244	...	...	2,33,022	4,64,571	4,61,471
64,286	9,720	84,083	93,762	7,012	1,71,408	1,572	2,215	4,898	2,80,969	19,186	3,04,681	...	...	...	3,04,681	4,83,478	4,39,478
20,093	4,518	23,623	28,041	6,238	72,812	...	8,253	940	1,12,781	3,926	1,26,806	64,076	1,128	65,214	91,694	1,87,810	1,10,111	
17,369	5,381	27,461	32,182	3,283	61,964	...	3,602	849	1,21,500	4,508	1,28,508	19,343	483	19,208	1,23,786	1,26,846	83,706	
...
...
...
2,85,108	35,372	2,63,718	2,80,090	65,280	8,72,207	703	10,270	19,018	10,69,781	47,567	11,42,796	99,630	1,800	96,805	12,47,201	22,16,471	21,48,568	
21,694	1,627	6,588	10,160	575	47,474	...	461	130	58,795	1,407	61,976	13,226	100	13,327	89,616	2,25,720	1,54,208	
63,633	4,081	26,111	31,092	7,577	1,44,648	...	1,810	297	1,86,510	5,872	2,04,924	18,980	161	18,841	2,20,963	7,21,842	6,04,181	
1,400	383	3,854	...	11,266	...	...	...	170	15,263	844	17,307	9,903	225	9,219	9,090	4,258	-2,800
2,646	200	1,205	1,803	...	3,428	...	...	51	4,963	211	7,940	9,978	188	9,200	-1,417	25,617	17,698
16,106	1,474	9,618	11,092	145	25,202	...	...	290	36,879	1,858	38,339	22,978	427	22,400	20,123	1,47,049	1,11,017
4,509	677	4,420	5,007	674	11,263	...	...	178	17,210	875	22,496	7,661	170	7,291	14,779	48,948	81,968
74,684	12,191	68,390	84,521	48,288	1,68,220	-216	674	2,125	2,77,872	9,287	3,01,943	1,16,263	2,000	1,16,263	3,48,212	7,48,648	6,14,200	
3,201	948	4,069	5,017	1,801	14,694	...	...	169	21,471	702	25,464	2,286	79	2,465	22,000	20,270	20,271
1,86,653	22,481	1,06,887	1,22,366	59,980	4,20,216	-216	2,245	3,648	6,17,901	20,641	6,24,186	1,28,241	2,481	2,01,122	6,22,422	19,47,202	16,61,406	
4,20,781	57,683	3,68,006	4,21,451	1,24,189	10,92,822	487	22,214	16,061	16,77,822	66,868	17,66,991	2,91,200	5,217	2,07,127	19,69,864	41,50,822	20,61,903	
1,69,011	29,799	1,16,234	1,41,833	1,50,635	4,91,489	-2,554	...	-3,617	7,79,875	...	9,48,880	...	...	...	9,48,880	19,47,204	19,47,261

E. M. COOK,
Accountant General, Bombay

STATEMENT

Statement showing the Financial Results of Irrigation

Number of works.	Name of works.	GENERAL FINANCIAL RESULTS TO END OF						
		Mileage in operation.		Estimated cost of construction (direct and indirect).	Date of completion of work (P. W. Code II, 1918).	Date when system first came into operation.	Total Capital Outlay (direct and indirect).	Accumulated arrears of interest.
		Main canals and branches.	Distributaries.					
1	2	3	4	5	6a	6b	7	8
		Miles.	Miles.	Rs.	Date.	Date.	Rs.	Es.
MAJOR WORKS.								
PRODUCTIVE WORKS.								
1	Desert Canal	287-00	69-00	27,20,556	1891-92	1872-73	27,20,556	.....
2	Unharwāh	116-00	5-00	7,88,830	1890-91	1885-86	7,88,830	.....
3	Begri Canal	194-00	54-00	25,34,587	1890-91	1855-56	24,50,941	.....
4	Mahiwāh	293-00	...	15,17,356	Not completed. 1897-98	1901-02	14,39,888	3,96,581
5	Eastern Nāra Works	574-75	...	70,10,412	1897-98	1854-55	70,14,920	...
6	Jāmrao Canal	180-00	457-00	89,56,530	1901-02	1900-01	88,41,076	.....
7	Dād do.	278-78	98-17	26,67,076	1906-07	1901-02	26,70,395	5,96,181
8	Nasrat do.	214-84	69-12	18,69,708	1906-09	1908-04	18,69,708	1,867
9	Naulākhi do. ... ..	...	...	12,62,554	Not completed.	...	5,145	2,438
10	Sukkur Barrage Works ... ..	...	...	.....	Not started.	...	-284	-34
	Total	2,118-37	752-29	2,93,27,609	...	...	2,78,01,154	9,96,533
MINOR WORKS AND NAVIGATION.								
11	Sukkur Canal	180-10	...	14,26,250	1885-86	1870-71	14,26,250	.....
12	Ghār do.	302-88	...	5,79,259	1878-79	1856-57	5,79,259	.....
13	Suttah do.	35-32	...	1,80,079	1909-10	1904-05	1,80,079	60,575
14	Alibhar Kacheri Canal	58-50	...	23,017	1875-76	1873-74	23,917	.....
15	Marak Great do.	169-95	...	2,15,746	1881-82	1878-74	2,15,746	.....
16	Surfraswah	112-60	...	1,24,880	1875-76	1873-74	1,24,680	...
17	Fulcli Canal	996-00	...	20,45,085	1892-93	1881-82	19,96,001	.....
18	Hasanali Canal	84-00	...	3,04,805	1906-07	1903-04	3,04,805	.....
	Total	1,839-35	...	48,99,821	...	...	48,50,737	60,575
	GRAND TOTAL	4,017-72	752-29	3,42,27,430	...	...	3,26,51,891	10,57,108

II-C.

Works for, and up to the end of, 1916-17.

1916-17.		FINANCIAL RESULTS OF THE YEAR 1916-17.									
Accumulated surplus revenues.	Total sum-at-charge (column 7 + column 8).	Gross receipts (direct and indirect).	Working expenses (direct and indirect).	Net revenue.	Percentage on Capital Outlay, column 7.	Percentage on sum-at-charge, column 10.	Interest at 3.2264 per cent. on Direct Capital Outlay to end of previous year, plus half the outlay of the year.	Net profit.	Net loss.	Area irrigated.	Percentage of working expenses to Receipts (column 11 to column 13).
9	10	11	12	13	14	15	16	17	18	19	20
Rs.	Rs.	Rs.	Rs.	Rs.	Per cent	Per cent	Rs.	Rs.	Rs.	Acres.	%
23,49,801	27,20,556	4,80,321	1,24,766	3,55,556	13.07	13.07	87,054	2,03,502	...	226,374	25.04
20,48,789	7,88,830	1,87,980	63,049	1,24,831	15.83	15.83	23,318	90,503	...	81,236	33.55
77,41,381	24,50,941	7,00,680	1,67,058	5,33,622	21.77	21.77	78,109	4,55,463	...	802,538	23.64
...	18,36,449	78,611	68,943	9,663	0.67	0.63	46,481	...	35,818	68,944	87.71
41,60,939	70,14,920	6,79,059	2,33,588	4,45,471	6.35	6.83	2,28,207	2,22,204	...	268,200	34.40
8,69,005	88,41,075	7,98,104	3,64,831	4,33,473	4.90	4.90	2,79,443	1,54,020	...	330,557	45.00
...	32,66,578	2,10,705	91,594	1,19,111	4.46	3.65	84,631	34,430	...	131,515	43.47
...	18,71,075	2,17,556	1,33,758	83,798	4.48	4.18	59,850	23,042	...	100,770	61.48
...	7,583	...	...	...	...	...	100	...	100	...	...
...	-318	...	...	...	...	...	-9	...	-9	...	...
1,71,69,885	2,67,97,687	33,52,946	12,47,291	21,05,555	7.67	7.31	8,53,400	12,22,005	...	1,306,192	37.20
3,82,361	14,26,250	2,22,906	68,614	1,54,292	10.82	10.82	44,988	1,00,304	...	91,322	30.78
2,05,81,211	5,79,259	8,44,164	2,35,983	6,08,181	1.4.99	104.99	18,077	5,90,104	...	250,771	27.95
...	2,40,654	5,420	8,089	-2,669	...	...	5,736	...	8,406	12,223	140.24
1,89,575	23,917	16,991	-1,417	17,408	72.79	72.79	705	16,643	...	14,024	...
18,16,787	2,15,746	1,41,050	29,183	1,11,917	51.87	51.87	6,838	1,05,070	...	60,538	20.65
3,53,641	1,24,680	45,831	14,773	31,058	21.91	21.91	3,908	27,150	...	31,900	32.23
85,01,840	19,06,001	8,59,582	2,45,382	6,14,300	30.78	30.78	63,258	5,51,012	...	420,936	28.54
90,406	3,04,806	48,927	22,006	26,921	8.33	8.83	9,557	17,304	...	19,916	44.98
3,18,65,891	49,11,312	21,83,871	6,22,463	15,61,408	32.19	31.79	1,53,127	14,08,281	...	941,805	28.50
4,90,35,766	3,37,08,999	55,36,817	18,69,254	36,66,963	11.28	10.28	10,30,587	20,30,276	...	2,387,907	33.77

E. M. COOK,
Accountant General, Bombay.

STATEMENT III-C.

Demands and Realizations during the year 1916-1917 in Sind.

Irrigation Works.	Balance of demands unrealized at commencement of year. (a)	Demands of year.	Total.	Deduct—Remissions including Cash Refunds.	Net Total.	Deduct—Amount unrealized at close of year.	Actual Total Receipts of year.	Deduct—Share due to old Irrigation.	Total Revenue due to Improvements.
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
MAJOR WORKS.									
PRODUCTIVE WORKS.									
1 Desert Canal	5,195	4,80,753	4,85,948	834	4,35,114	4,798	4,80,321	...	4,80,321
2 Unharwáh	3,918	1,85,638	1,89,556	...	1,89,556	1,626	1,87,930	...	1,87,930
3 Begdri Canal	4,280	7,38,272	7,42,552	1,402	7,41,150	6,827	7,34,273	33,613	7,00,660
4 Mahiwáh	3,338	1,88,122	1,96,960	...	1,96,960	7,552	1,89,108	1,10,497	78,611
5 Eastern Nára Works ...	3,346	6,82,032	6,86,378	...	6,86,378	4,075	6,82,503	3,444	6,79,059
6 Jámráo Canal	18,424	7,91,863	8,10,287	482	8,09,805	11,701	7,98,104	...	7,98,104
7 Dád do.	4,004	3,02,225	3,06,229	635	3,05,594	10,976	2,94,618	83,913	2,10,705
8 Nasrat do.	7,541	2,91,916	2,99,457	13	2,99,444	9,034	2,90,410	72,954	2,17,556
9 Naulákhí do. (b) ...	...	...	...	...	...	...	...	...	...
10 Sukkur Barrage Works (c)	...	...	...	...	...	...	...	...	...
Total, Major Works ...	55,796	36,61,721	37,17,517	3,866	37,14,151	56,884	36,57,267	3,04,321	33,52,946
MINOR WORKS AND NAVIGATION.									
11 Sukkur Canal	2,181	3,08,820	3,11,001	7	3,10,994	3,282	3,07,712	84,806	2,22,906
12 Ghár do.	—880	9,81,223	9,80,343	...	9,80,343	667	9,79,676	1,35,512	8,44,164
13 Suttah do.	—27	21,603	21,576	...	21,576	11	21,565	16,145	5,420
14 Alibhar Kacheri Canal ...	2,321	31,846	34,167	...	34,167	671	33,496	17,505	15,991
15 Marak Great do. ...	2,635	2,00,732	2,08,267	...	2,08,267	2,760	2,00,497	59,437	1,41,050
16 Surfraswáh	7,587	65,674	73,261	5	73,256	8,619	64,637	18,806	45,831
17 Fuleli Canal	10,531	10,97,201	11,07,732	205	11,07,527	3,396	11,04,131	2,44,549	8,59,582
18 Hasanali do.	80	55,120	55,209	7	55,202	359	54,843	5,916	49,927
Total, Minor Works and Navigation ...	24,337	27,62,219	27,86,556	224	27,86,332	19,735	27,66,547	5,82,676	21,83,871
GRAND TOTAL ...	80,133	64,23,940	65,04,073	590	65,00,483	76,669	64,23,814	8,86,997	55,36,817

(a) Current balances as now reported by the Revenue Officers in Canal Returns Nos. VIII-A and IX.

(b) Work under construction.

(c) Work not yet commenced as 49—Irrigation work. Exchange on expenditure in England under 40—Irrigation works adjusted during the year 1915-16.

E. M. COOK,
Accountant General, Bombay.

STATEMENT IV-C.

STATEMENT

Statement showing the Financial Results of Irrigation Works in Sind

Principal Results of Operations

Irrigation Works.	Capital Outlay (direct and indirect) to end of year.	REVENUE ASSESSED					
		Direct Revenue.				Indirect Revenue Revenue due to operation	
		Occupier's rate.	Plantations.	Miscellaneous.	Total.	Share of Land Revenue.	4 per cent. on 2/10ths of proceeds from sale of occupancy rights in waste or other lands up to end of year.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
MAJOR WORKS.							
PRODUCTIVE WORKS.							
1 Desert Canal	27,20,556	1,09,800	71	4,090	1,13,461	3,65,167	2,125
2 Unharwáb	7,89,830	281	85	1,101	1,417	1,81,206	3,015
3 Bagári Canal	24,50,941	43,320	21	3,803	47,144	6,82,067	9,061
4 Mahiwáh	14,39,868	793	37	4,088	4,913	1,80,103	3,106
5 Eastera Nára Works	70,14,920	4,002	2,198	12,895	19,005	6,60,117	3,720
6 Jámráo Canal	88,41,075	1,659	189	42,834	44,682	6,77,984	69,197
7 Dád do.	26,70,395	2,348	330	1,781	4,459	2,89,751	3,015
8 Nasrat do.	18,69,708	215	199	2,268	2,682	2,75,861	13,373
9 Naulákhí do.	5,145	...	...	...	...	.....	...
10 Sukkur Barrage Works	-284	...	...	...	...	.....	...
Total, Major Works	2,78,01,154	1,61,918	3,080	72,855	2,37,853	33,12,256	1,11,612
MINOR WORKS AND NAVIGATION							
11 Sukkur Canal	14,28,250	1,743	8	2,186	3,937	3,04,088	345
12 Ghár do.	5,79,259	4,142	50	2,996	7,188	2,66,430	7,605
13 Suttáb do.	1,80,079	77	...	170	247	20,510	346
14 Alibhar Kacheri Canal	23,917	607	...	229	836	30,170	540
15 Marák Great do.	2,15,746	2,699	...	1,802	4,501	1,92,825	3,403
16 Surfrásawah	1,24,680	1,576	...	798	2,312	62,068	1,294
17 Foleli Canal	19,96,001	25,880	210	13,613	49,703	10,33,173	14,325
18 Hasanali Canal	3,04,805	597	3	611	1,211	53,270	639
Total, Minor Works and Navigation	48,50,737	47,321	271	22,343	69,936	26,62,484	29,800
GRAND TOTAL	3,26,51,891	2,09,239	3,351	95,193	3,07,788	59,74,740	1,41,412

IV-C.

for the year ended 1916-1917, based on the Assessment of the year.

for the year ended 31st March 1917.

DURING THE YEAR.					WORKING EXPENSES.			NET REVENUE OF THE YEAR.		Percentage on Capital Outlay to end of year (Improvements only).
—Land tion of	Refunds of Revenue.	Grand Total.	Deduct— Share due to old Irrigation.	Total Revenue due to Improvements.	Total Charges, direct and indirect.	Deduct— Old Main- tenance Charges.	Total Work- ing Expenses on Improvements.	Total.	Due to Improvements.	
9	10	11	12	13	14	15	16	17	18	19
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	%
3,07,292	...	4,80,768	...	6,00,768	1,24,705	...	1,24,705	3,55,988	3,55,988	13.0
1,84,221	...	1,85,636	...	1,85,636	69,049	...	69,049	1,22,680	1,22,680	16.64
6,91,128	...	7,38,272	83,613	7,04,659	1,76,817	8,760	1,67,057	5,62,465	5,37,601	21.03
1,83,200	...	1,88,122	1,10,407	77,635	90,223	21,280	68,943	67,894	8,077	0.90
6,63,837	...	6,82,932	8,444	6,70,488	3,30,032	844	2,38,588	4,40,000	4,46,900	0.90
7,47,181	...	7,91,863	...	7,91,863	3,64,631	...	3,64,631	4,27,232	4,27,232	4.63
2,97,736	...	3,02,225	88,013	2,18,312	1,36,508	45,214	91,294	1,65,417	1,20,718	4.75
2,60,234	...	2,91,016	72,854	2,19,062	1,53,506	19,508	1,33,998	1,38,350	85,304	4.56
...
...
84,23,268	...	36,61,721	3,04,321	33,57,400	13,42,705	95,405	12,47,301	23,18,025	21,10,000	7.60
3,04,883	...	3,08,820	84,806	2,24,014	81,970	13,362	68,608	2,26,844	1,55,400	10.90
9,74,035	...	9,81,223	1,35,512	8,45,711	2,54,824	18,941	2,36,883	7,26,309	6,60,729	105.23
21,356	...	21,603	16,145	5,458	17,307	0,218	8,089	4,206	-2,031	(a)
31,010	...	31,840	17,505	14,341	7,810	0,266	-1,417	23,907	15,768	65.19
1,56,231	...	2,00,732	59,437	1,41,295	62,538	23,405	29,133	1,48,104	1,17,162	61.99
63,362	...	65,674	18,806	46,868	22,504	7,821	14,773	43,080	32,095	25.74
10,47,498	...	10,97,201	2,44,549	8,52,652	3,01,043	1,16,261	2,46,282	7,35,568	6,07,370	80.43
53,909	...	55,120	5,910	49,204	21,424	3,468	22,000	29,650	27,198	8.93
26,92,284	...	27,62,219	5,82,676	21,79,543	8,24,195	2,01,732	6,22,463	19,38,024	15,57,690	32.10
61,16,152	...	64,23,940	8,26,997	55,96,943	21,66,991	2,07,137	18,59,854	42,56,019	30,07,069	11.23

(a) No percentage is calculated, as the net revenue against the work is a minus figure.

E. M. COOK,
Accountant General, Bombay.

General Abstract of Financial Results of Irrigation.

		MAJOR WORKS—PRODUCTIVE WORKS.										MINOR WORKS AND NAVIGATION—AND REVENUE ACCOUNTS					
		In operation.										Total.	Works				
		Leserri Canal.	Unharwah.	Dezari Canal.	Mah-wah.	Eastern Nara Works.	Jamro Canal.	Dad Canal.	Naras Canal.	Naulskhi Canal.	Sukkur Barrage works.		Sukkur Canal.	Ghar Canal.	Suttal Canal.	Ahbar Kacheri Canal.	Mam Great Canal.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Capital Outlay.	Direct	...	...	241	2,085	19,651	2,14,233	15,441	-8,662	...	...	2,37,450	...	...	...	...
	Indirect	...	...	18	16	884	5,467	607	501	...	...	7,546	...	...	...	...
	Total	...	...	259	2,101	20,535	2,19,700	16,048	-8,071	...	...	2,44,996	...	...	...	...
During year...	Direct	20,40,801	7,03,050	23,72,884	13,81,000	07,79,815	85,81,325	26,76,023	18,11,482	5,112	-284	2,80,16,401	13,64,764	5,48,408	1,74,026	23,207	2,07,437
	Indirect	79,665	20,780	78,567	58,608	2,35,106	2,30,720	93,769	53,226	33	...	8,81,663	61,400	30,854	0,061	710	8,310
	Total	21,20,466	7,23,830	24,51,451	14,39,608	10,14,921	88,11,045	27,69,792	18,64,711	18,44,718	5,145	-251	3,61,826	14,26,164	5,79,262	1,74,087	23,917	2,15,747
To end of year.	Direct	1,13,833	1,438	42,823	3,114	18,323	45,091	1,135	2,333	...	...	2,28,083	3,474	7,163	181	501	3,556
	Indirect	3,06,483	1,81,502	6,37,635	75,407	0,00,731	7,03,009	2,08,678	2,15,233	...	...	31,24,868	2,10,432	8,30,071	5,261	15,490	1,37,468
	Total	4,20,316	1,82,940	49,20,458	78,521	18,330	52,121	55,969	2,13,813	2,17,566	33,52,951	2,22,906	8,44,164	5,421	15,991	1,41,024
Gross Revenue.	Direct	30,13,674	21,122	13,35,943	32,544	12,75,688	6,11,008	33,014	12,268	...	...	65,37,251	1,08,171	5,51,655	1,501	30,533	1,47,657
	Indirect	65,70,542	30,63,265	1,47,85,641	0,07,413	2,02,80,060	1,07,75,456	20,86,344	22,60,306	...	...	6,10,80,632	63,03,025	2,91,58,400	1,34,667	2,89,682	29,44,113
	Total	95,84,216	31,76,387	1,61,21,584	39,95,957	1,15,55,748	1,17,86,144	21,97,352	23,86,660	...	...	71,48,083	64,11,196	3,43,235	1,35,668	30,833	30,91,770

Works in Sind for, and to end of, 1916-1917.

WORKS FOR WHICH CAPITAL ARE KEPT.				Grand Total.	MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.								Expenditure on and Receipts from Agricultural Works for which neither Capital nor Revenue Accounts are kept.					
In operation.					Shikarpur Canals District.	Western Nara District.	Mairath Canals District.	Nasari Canals District.	Hyder-abad Canals District.	Futali Canals District.	Total.	PUNJAB CANALS DISTRICT.				Kawal District.	Receipts.	
Sur-irrigation.	Futali Canal.	Hamas-all Canal.	Total.	Ra.								Ra.	Ra.	Ra.	Ra.			Ra.
1,13,669	10,94,616	2,80,020	40,80,523	3,16,70,234														
6,121	71,480	14,670	1,00,004	10,81,607														
1,24,680	19,96,001	3,04,805	43,50,737	3,29,51,801														
1,010	57,648	485	74,874	3,03,081	18,440	12,073	14,548	1,507	12,464	612	60,873							
43,831	8,01,634	46,141	21,05,807	57,33,791	5,72,164	10,82,611	5,57,653	2,84,176	3,16,477	61,023	21,36,076							
43,831	8,09,522	48,927	21,05,871	55,20,222	5,58,002	11,00,644	5,52,803	2,85,082	2,30,920	61,023	20,99,720							
94,280	17,44,650	3,048	38,94,694	62,32,147														
10,80,023	1,81,08,460	4,98,618	5,74,34,001	11,91,04,097														
11,41,330	1,98,57,136	5,09,664	6,07,08,002	12,78,66,232														
												BETWAHER CANALS DISTRICT.						
												Converting the existing 7 submerged sluices constructed over Ferozi Katta of Manwah into open sluices—New Works.					849	
												Constructing a sluice in the Chol Loop near hills 24 of the Sukkur Headk—New Works.					247	
												Constructing two sluices over head of Ferozi Katta on Kurat canal sluice 10-2-204 and 20-2-114.					-1	
												Heightening Sukkur Headk Bund mile 10-7 to 10-1 (land compensation)—Original Works.					16	
												Banda Rohri Dis- (Original Works) trict.					24	
																	612	
												Sukkur Begari Bund—Original Works.					2,187	
												Heightening and strengthening the Right Bank of Col. Pile's channel—Original Works.					61	
												Loops to Sukkur Headk Bund mile 4-1 to 7-4 (Water Loop)—Repairs.					777	
												Bunds across Bund above Sukkur in connection with the training of the River Indus—Repairs.					403	
												Constructing a loop behind the Sukkur Begari Bund mile 0-13 (Bechaoli Loop)—Repairs.					65,048	
												Constructing a loop behind the Sukkur Begari Bund in miles 7-8 to 13-4 (Baris Loop)—Repairs.					63	
												Forest sluice in mile 8-8 of Ghazal, No. 1-1-11. Repairs.					5	
												Bunds along the boundary of Madin Forest along channel No. 1—Repairs.					30	
												Constructing a loop to Sukkur Forest Bund mile 10-4 to 10 (10-2 Loop)—Repairs.					6	
												Bunds in Shikarpur Canals District—Repairs.					27,205	
												Manwah Canal { Original Works }.						
												{ Repairs }.					10,067	
												Establishment { Direction }.					8,990	
												{ Executive }.					31,860	
												Tools and Plant					1,628	
												Share of collection charges					14,674	
												Direct Receipts					6,978	
												Irrigation share of Land Revenue					1,24,110	
												Four per cent. on 9/10ths of receipts from sale of occupancy rights on lands, etc.					1,260	
												Total, Shikarpur Canals District					1,74,012	1,45,217
												GHAR CANALS DISTRICT.						
												Ghar Bunds—Repairs					9,702	
												Ghar Canal—Repairs					4,135	
												Sukkur Canal—Repairs					6,923	
												Establishment { Direction }.					674	
												{ Executive }.					3,163	
												Tools and Plant					119	
												Response Account					1,906	
												Share of collection charges					22,119	
												Direct Receipts						215
												Irrigation share of Land Revenue					2,22,271	
												Four per cent. on 9/10ths of receipts from sale of occupancy rights on lands, etc.					22	
												Total, Ghar Canals District					67,660	2,23,923
												Carried over					2,93,05	4,18,960

General Abstract of Financial Results of Irrigation

	MAJOR WORKS—PRODUCTIVE WORKS.											MINOR WORKS AND NAVIGATION—AND REVENUE ACCOUNTS					
	In operation.										Under Construction.	Work not started.	Works				
	Desert Canal.	Unharwadh.	Begri Canal.	Mah-wah.	Eastern Nara Works.	Jamro Canal.	Did Canal.	Nara Canal.	Naulakhi Canal.	Sukkur Barrage works.	Total.	Sukkur Canal.	Ghar Canal.	Sattah Canal.	Alibhar Kacheri Canal.	Marat Great Canal.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
<i>Working Expenses.</i>																	
During year	Direct	1,20,189	61,102	1,62,167	68,037	2,21,202	3,45,445	89,811	1,29,018	—	—	12,01,305	67,228	2,30,272	7,770	-1,440	28,007
	Indirect	4,377	1,837	4,901	811	8,200	10,180	2,768	4,145	—	—	40,091	1,301	5,711	319	23	1,120
Total		1,24,765	63,040	1,67,068	68,848	2,33,568	3,04,611	91,509	1,33,769	—	—	12,47,396	68,614	2,35,983	8,089	-1,417	29,133
To end of year	Direct	33,83,765	12,25,706	63,04,187	7,23,570	72,23,473	49,04,021	12,00,907	18,25,009	—	—	2,55,86,309	25,43,534	31,10,654	1,21,574	87,312	0,10,504
	Indirect	78,406	21,442	1,19,854	6,909	2,33,630	2,50,530	30,179	31,615	—	—	8,01,040	72,333	2,02,374	1,400	3,470	23,639
Total		30,62,201	13,47,238	64,24,041	7,34,866	74,57,000	51,61,560	13,21,146	18,67,423	—	—	2,63,86,339	26,15,917	33,22,028	1,22,974	90,682	0,46,143
<i>Net Revenue.</i>																	
During year		3,55,860	1,24,691	5,33,092	9,063	4,45,471	4,33,473	1,10,111	63,798	—	—	21,03,650	1,54,202	6,03,151	-2,669	17,408	1,11,017
To end of year		40,27,058	27,37,109	1,00,77,543	2,92,422	1,40,65,275	64,01,934	8,03,212	9,14,040	—	—	4,02,20,550	27,02,279	2,13,83,033	13,280	2,38,540	31,43,927

Works in Sind for, and to end of, 1916-1917—continued.

WORKS FOR WHICH CAPITAL ARE KEPT.				MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.								Expenditure on and Receipts from Agricultural Works for which neither Capital nor Revenue Accounts are kept.		
In operation.				Grand Total.	Shikhar Canal District.	Western Nara District.	Karahi Canal District.	Nara Canal District.	Hyderabad Canal District.	Pahli Canal District.	Total.	Expenditure.	Receipts.	
Sur-furrah.	Fuhli Canal.	Haran-ait Canal.	Total.											Ra.
												Brought over ...	Rs. 2,22,001	Rs. 4,16,109
												WESTERN NARA DISTRICT.		
												Extensions of Western Nara Bands from Phulwah Band to Bohras—Original Works ...	1,03,414	—
												Extensions of Western Nara Bands from Hs. Nos. 60-1 to 90-0—Original Works ...	850	—
												Strengthening the existing banks of Karan Doo and Dongar—Original Works ...	700	—
												Nara Bands—Repairs ...	80,750	—
												Manjhand Band—Repairs ...	2,254	—
14,008	2,37,001	21,382	0,05,273	18,06,576	1,00,743	3,40,200	1,01,633	87,600	1,18,500	40,842	9,46,800	Establishment (Direction ...	5,750	—
												Establishment (Executive ...	21,000	—
												Tools and Plant ...	1,018	—
705	7,201	624	17,106	63,281	—	—	—	—	—	—	—	Share of collection charges ...	9 3/4	—
												Direct Receipts ...	—	1,130
												Irrigation share of Land Revenue ...	—	13,574
14,773	2,45,282	22,006	6,23,463	18,69,856	1,00,743	3,40,200	1,01,633	87,550	1,18,500	40,842	9,46,850	Four per cent. on 1/10ths of proceeds from sale of occupancy rights on lands, etc.	—	10
												Total, Western Nara District ...	1,07,770	14,517
												KARACHI CANAL DISTRICT.		
												Constructing Inspection Bungalow, Class I at Gohri—Original Works ...	1,110	—
												Payment of arrears in connection with existing Banda Hillya Band—Original Works ...	8	—
												Constructing a sluice in mile 17-1 of the Mulchand Shabbander Band—Original Works ...	2,910	—
												Bukkur Barrage Project—Original Works ...	1,915	—
5,30,763	84,19,863	2,76,145	2,10,55,72	4,03,42,121	—	—	—	—	—	—	—	Constructing a landfil for a sub-overseer and lamps and outhouses at Bahah head mile 62-3 of the Mulchand Shabbander Band—Original Works ...	1,076	—
												Gungri to Kanto—Original Works ...	518	—
												Constructing a sluice in mile 1-2 of Mulchand Shabbander Band—Original Works ...	1,420	—
19,137	2,55,473	8,401	5,91,200	13,03,306	—	—	—	—	—	—	—	Constructing out-houses to Fuhli Works Inspection Bungalow II, at Unit 61-2 of the Mulchand Shabbander Band (Gungri to Kanto)—Original Works ...	3,005	—
												Extensions of Shrikhan Band—Original Works ...	1	—
												Constructing a sluice at mile 7-2 of Yanah Beghar Band—Original Works ...	21,827	—
6,59,887	80,74,827	2,98,636	2,10,47,001	4,50,35,427	—	—	—	—	—	—	—	Banda Right Bank ... Repairs ...	50,810	—
												Banda Left Bank ... Do. ...	6,558	—
												New Loop behind mile No. 21-2 to 27-4 of Mulchand Shabbander Band—Repairs ...	6,028	—
												New Loop behind mile No. 0 to 10-3 of Kharari Band—Repairs ...	600	—
												Land taken up for the Fuhli Loop behind No. 56 to 80-4 of the Mulchand Shabbander Band ...	—	—
												Bahah Canal ... (Original Works ...	2,004	—
												Bahah Canal ... (Repairs ...	4,377	—
												Establishment (Direction ...	4,878	—
51,038	6,14,300	21,921	15,91,466	36,96,923	4,15,650	7,60,475	3,50,408	1,08,122	2,12,000	40,783	19,47,053	Establishment (Executive ...	22,177	—
												Tools and plant ...	2,915	—
												Suspense Account ...	3,720	—
												Share of collection charges ...	2,508	—
5,55,462	1,11,76,300	2,23,028	3,75,21,901	7,50,51,512	—	—	—	—	—	—	—	Direct Receipts ...	—	1,500
												Irrigation share of Land Revenue ...	—	20,000
												Four per cent. on 1/10ths of proceeds from sale of occupancy rights on lands, etc.	—	613
												Total, Karachi Canal District ...	1,40,027	41,200
												Carried over ...	1,48,214	47,720

General Abstract of Financial Results of Irrigation

	MAJOR WORKS—PRODUCTIVE WORKS.											MINOR WORKS AND NAVIGATION— AND REVENUE ACCOUNTS					
	In operation.										Under con- struction.	Work not started.	Works				
	Desert Canal.	Unharwah	Begiri Canal.	Mehl. wáh.	Eastern Kán Works.	Jámri Canal.	Dád Canal.	Nas- ras Canal.	Naulakki Canal.	Sukkur Barrage works.	Total.	Sukkur Canal.	Ghár Canal.	Sattah Canal.	Allbhar Kacceri Canal.	Mank Grent Canal.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
<i>Single Interest.</i>																	
During year ...	87,064	25,318	79,100	45,421	2,32,207	2,70,444	84,061	50,850	100	-9	8,83,409	...	...	...	...	...
To end of year ...	25,78,164	6,78,490	27,30,162	6,69,003	93,24,336	55,32,120	13,00,328	0,15,407	2,428	-34	2,40,16,218	...	...	...	...	...

Works in Sind for, and to end of, 1916-1917—continued.

WORKS FOR WHICH CAPITAL ARE KEPT.				MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.									Expenditure on and Receipts from Agricultural Works for which neither Capital nor Revenue Accounts are kept.		
In operation.				Grand Total.	Shikarpur Canals District.	Western Nara District.	Kandhel Canals District.	Narasr Canals District.	Hydro-shed Canals District.	Fuleli Canals District.	Total.	Brought over ...	Expenditure.	Receipts.	
Sur-franrah.	Fuleli Canal.	Hasan-all Canal.	Total.										No. Ann. 204	No. 473,070	
												KARACHI DISTRICTS DIVISION.			
												Making surveys on the Indus—Original Works.	72,900	...	
												Control Passage of the River Indus—Surveying and demarcating—Original Works	577	...	
												Demarcating part of the Residency Compound at Sukkur—Original Works.	273	...	
												Maintenance of sluices, gauges and measuring the Indus—Repairs.	11,316	...	
												Store-room at Sukkur—Repairs	67	...	
												Buildings and works in connection with the gauge at Kotri—Repairs	410	...	
												River gangs at Sukkur—Repairs	174	...	
												Damson at Beer, Hajar, Dabla, Muli, etc., Repairs.	110	...	
												Establishment { Direction	680	...	
												{ Executive	59,847	...	
												Tools and Plant	1,76,730	...	
												Share of collection charges	...	...
												Direct Receipts	...	4,000	
												Irrigation share of Land Revenue	...	...
												Four per cent. on 9/10ths of proceeds from sale of occupancy rights on lands, etc.	...	...
												Total, Karachi Buildings District.	47,400	4-8	
												NARASR CANALS DIVISION.			
												Flooring the Kitchen attached to Public Works Inspector's Bungalow, Class I, at Dawlatpur—Original Works.	10	...	
												Canal showki furniture for Narasr in the Narasr Canals District—Original Works.	911	...	
												Providing frames of havel wood furniture round the havel marks of Suleh-Hydro-shed Canals, etc., Repairs.	129	...	
												Reverain survey marks, upper class sub-division—Repairs.	10	...	
												Canal Showki at Dawlatpur—Repairs.	680	...	
												Bunds in Narasr Canals District—Repairs.	6,861	...	
												Dad Canal { Original Works	4,970	...	
												{ Repairs	24,911	...	
												Narasr Canal { Original Works	100	...	
												{ Repairs	10,708	...	
												Establishment { Direction	9,207	...	
												{ Executive	10,270	...	
												Tools and Plant	366	...	
												Suspense Account	144	...	
												Share of collection charges	12,116	...	
												Direct Receipts	...	8,672	
												Irrigation share of Land Revenue	...	1,22,375	
												Four per cent. on 9/10ths proceeds from sale of occupancy rights on lands, etc.	...	501	
												Total, Narasr Canals District	170,819	1,56,778	
												Carried over ...	6,11,832	6,31,109	

General Abstract of Financial Results of Irrigation

	MAJOR WORKS—PRODUCTIVE WORKS.											MINOR WORKS AND NAVIGATION—AND REVENUE ACCOUNTS				
	In operation.										Total.	Work				
	Descr Canal.	Unharwah.	Begri Canal.	Mohl. wih.	Eastern Nara Works.	Jamroo Canal.	Did Canal.	Nasrat Canal.	Naulakhi Canal.	Sakur Barrage Works.		Sukkur Canal.	Ghar Canal.	Sutah Canal.	Alibhar Kacheri Canal.	Marak Great Canal.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
<i>Net profit after paying of Interest.</i>																
During year	2,98,502	69,763	4,55,423	-35,518	2,22,201	1,54,029	34,430	23,942	-169	9	12,22,005	---	---	---	---	
To end of year	23,49,501	20,42,739	77,41,351	-3,96,551	41, 0,036	8,09,005	-5,96,151	-1,367	-2,428	34	1,61,73,532	---	---	---	---	

Works in Sind for, and to end of, 1916-1917—concluded.

WORKS FOR WHICH CAPITAL ARE KEPT.				Grand Total.	MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.							Expenditure on and Receipts from Agricultural Works for which neither Capital nor Revenue Accounts are kept.		
In operation.					Shikarpur Canals District.	Western Nara District.	Kacchi Canals District.	Nara Canals District.	Hyderabad Canals District.	Puleli Canals District.	Total.	Brought over	Expend.	Re-
Sur-trawah.	Puleli Canal.	Hassan-all Canal.	Total.										Ra.	ceivels.
Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	
												4,11,083	4,81,190	
HYDERABAD CANALS DISTRICT.														
												3,300		
												6,900		
												18,067		
												4,667		
												1,036		
												8,400		
												53		
												9,878		
													9	
													83,749	
												48,030	58,751	
PULELI CANALS DISTRICT.														
												400		
												4,554		
												896		
												987		
												23,500		
												74,918		
												817		
												1,623		
												8,771		
												10,671		
												628		
												24,573		
													373	
													9,20,850	
													28	
												1,84,182	2,80,828	
EASTERN NARA DISTRICT.														
												246		
													8,446	
												246	8,446	
Grand Total												8,08,760	9,80,928	

E. M. COOK,
Accountant General, Bombay.

Statement of Area irrigated by Irrigation Works

Name of Canal.	AREA IRRIGATED IN ACRES.			NET AREA IRRIGATED AFTER DEDUCTING AREA IN WHICH REMISSIONS WERE GRANTED.			NUMBER OF DAYS THE CANAL WAS IN FLOW.		
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.	Kharif.	Rabi.	
1	2	3	4	5	6	7	8	9	
MAJOR WORKS.									
PRODUCTIVE WORKS.									
<i>Indus Right</i>									
Shikarpur Canals District.	Máhiwáh	46,475	27,959	74,434	46,422	27,645	74,067	97	
Begári Canals District.	{ Desert Canal	125,995	114,652	240,347	110,996	107,255	218,251	218	
	{ Unhárwáh	56,256	28,985	85,241	49,652	27,124	76,776	153	
	{ Begári Canal	227,595	133,860	361,455	223,898	130,540	354,438	202	
MINOR WORKS.									
WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.									
Ghár Canals District.	{ Sukkur Canal	74,510	51,760	126,260	74,411	51,216	125,627	114	
	{ Ghár Canal	216,691	139,721	356,412	215,864	139,028	354,912	161	
Karáchi Canals District.	Sattah Canal	11,856	563	12,419	10,562	529	11,091	107	
WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.									
Shikarpur District.	Canals	{ Canals in Rohri... ..	45,038	20,495	65,533	44,956	20,407	65,423	122
		{ Sind Canal	67,705	25,313	93,018	67,081	25,313	92,394	117
		{ Bajib Canal	6,981	5,401	12,382	6,981	5,398	12,374	115
		{ Chitái Canal	6,832	5,832	12,214	6,832	5,850	12,132	89
		{ Garang Canal	3,741	4,040	7,781	3,741	4,040	7,777	97
Western Nára District.	Western Nára including Nára Feeder and Fritchard.	237,304	139,251	376,555	199,078	137,588	336,664	142	
		{ Marri	8,626	1,848	5,474	8,665	1,843	5,408	107
		{ Dadin Canal	8,251	9,184	17,415	8,161	9,134	17,285	125
		{ Phitta Canal	4,713	2,710	7,423	4,302	2,463	6,665	118
		{ Chario Wahur. (Aral) including Manchar. Canals north of Kotri	7,420	23,618	31,038	1,383	22,318	23,701	Completo
Karáchi Canals District.	Baghar	36,614	8,242	44,856	34,923	8,162	43,085	107	
		{ Pinyári	94,334	4,953	99,287	90,249	4,563	94,832	107
		{ Kalri	18,397	2,911	21,308	16,427	2,907	19,334	107
		{ Mithráo Canal	104,052	23,337	127,389	103,763	23,098	126,851	198
		{ Thar Canal	54,259	3,465	57,724	53,667	3,465	57,132	193
Eastern Nára District.	{ Hiral Canal	13,905	3,748	17,653	13,794	3,678	17,472	179	
	{ Khipro Canal	4,179	413	4,592	4,179	413	4,592	111	
MAJOR WORKS.									
PRODUCTIVE WORKS.									
Jámrao Canal District.	Jámrao Canal	163,477	75,949	239,426	162,861	73,249	236,080	169	
Nasrat Canals District.	{ Dád Canal	105,375	19,794	125,169	102,314	19,452	121,666	104	
		{ Nasrat Canal	9,885	6,595	16,480	9,105	6,470	15,575	39
Eastern Nára District.	{ Mithráo Canal	104,052	23,337	127,389	103,763	23,098	126,851	198	
	{ Thar Canal	54,259	3,465	57,724	53,667	3,465	57,132	193	
	{ Hiral Canal	13,905	3,748	17,653	13,794	3,678	17,472	179	
Fuleli Canals District.	{ Fuleli Canal	390,153	54,668	444,821	337,401	54,451	441,852	183	
		{ Hasanali Canal	19,586	417	20,003	19,568	417	20,003	157
MINOR WORKS.									
WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.									
Hyderabad District.	{ Alibhór Kacheri	12,861	3,347	16,208	12,668	3,347	16,015	113	
Fuleli Canals District.	{ Great Márak	71,424	13,697	85,321	70,569	13,617	84,326	121	
	{ Sarfraz	28,994	2,966	31,960	28,094	2,939	31,033	107	
Fuleli Canals District.	{ Fuleli Canal	390,153	54,668	444,821	337,401	54,451	441,852	183	
	{ Hasanali Canal	19,586	417	20,003	19,568	417	20,003	157	
WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.									
Nasrat Canals District.	{ Mohrabwáh	11,886	1,316	13,202	11,830	1,301	13,130	93	
Nasrat Canals District.	{ Nanakhi	46,996	4,977	51,973	46,996	4,977	51,973	99	
	{ Dambro	14,251	2,243	16,493	14,229	2,242	16,471	111	

I-E.

in Sind during the year 1916-1917.

AVERAGE DISCHARGE IN CUBIC FEET PER SECOND.				AREA IRRIGATED PER CUBIC FOOT PER SECOND.				Δ = DEPTH OF WATER USED OF AREA IRRIGATED.		Remarks.
At Head.		Utilized.		At Head.		Utilized.		Kharif.	Rabi.	
Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.			
10	11	12	13	14	15	16	17	18	19		20
C. ft.	C. ft.	C. ft.	C. ft.	Acres.	Acres.	Acres.	Acres.	Feet.	Feet.	
<i>Bank Division.</i>										
1,992		1,992		37		37		5.3		
2,167		2,167		101		101		4.3		
1,244		1,244		63		63		4.9		
3,285		3,285		108		108		3.7		
2,163	621	2,163	621	34	82	34	82	6.7	1.1	
3,572		3,572		99		99		3.3		
1,079		1,079		10		10		21.4*		* Very Low "Duty" and high Δ due to Zamindars not taking full advantage of available supply in the upper reaches and to overwatering of crops. The late rise of the river accounted for the loss of early sown rice seedlings.
1,454		1,454		45		45		3.4		
2,113		2,113		44		44		3.3		
219		219		57		57		4.0		
242		242		50		50		3.6		
224		224		35		35		3.5		
5,006		5,006		67		67		4.2		
140		140		89		89		3.5		
390		390		57		57		4.4		
372		372		18		18		12.1		
discharges are not available as the tract was flooded.										
373		373		36		36		3.5		
22		22		174		174		1.1		
7,596		Not known		6		...		25.7†		† A very low duty and excessive Δ due to large quantity of water running to waste into sea.
2,931		2,931		32		32		6.7		
373		373		22		22		9.7		
<i>Bank Division.</i>										
2,132	1,239	2,132	1,239	76	59	76	59	4.4	5.6‡	‡ During the rabi season 68,403 acres of cotton, a kharif crop, were also watered for a few months.
2,845		2,745§		43		44		4.7		
1,873		1,873		52		52		3.8		
1,635	501	1,635	501	63	46	63	46	6.3	7.1	§ An average discharge of 100 ounces was wasted at the falls of Dad and the Yarowdi. ¶ Includes also area irrigated on the Distributary on Dad in the Hyderabad Canal District.
154	105	154	105	90	85	70	85	4.0	7.0	
463		463		35		35		3.5		
1,454		1,454		53		53		4.2		
549		549		58		58		3.7		
6,402	1,598	6,068	1,222	61	34	64	45	5.7	3.1	
565		565		35		35		9.0		
245		245		54		54		3.4		
1,339		1,339		33		33		6.0		
238		238		37		37		2.9		

STATEMENT II-E.

Statement showing Incidence of Working Expenses on Assessed Revenue on Canals in Sind during the year 1916-1917.

Name of Canal.	Average discharge of the year at Canal Head in cubic feet per second.	WATER-RATE ASSESSED DURING 1916-1917.					Gross Assessed Revenue from all sources.	Working Expenses, Direct and Indirect.	Area Irrigated during the year.	WORKING EXPENSES.			90 PER CENT. OF NET CONSOLIDATED ASSESSMENT.		TOTAL WATER-RATE, DIRECT AND INDIRECT.	
		Occupiers.	Owners.	Total, Direct.	Indirect.	Total, Direct and Indirect.				Per cent. on Gross Revenues.	Per acre irrigated.	Per cubic foot per second of discharge at Canal Head.	Per acre irrigated.	Per cubic foot per second of discharge at Canal Head.		
1	2	3	4	5	6	7	8	9	10*	11	12	13	14	15	16	17
MAJOR WORKS.																
<i>Productive Works.</i>																
Shikarpur Canals District. Mahiwah ...	1,992	793	...	793	1,83,300	1,84,002	1,88,122	80,225	68,944	47'06	1'31	45'30	2'69	80'01	3'67	92'34
Begdri Canals District. (Desert Canal ...)	2,167	1,09,801	...	1,09,301	3,67,252	4,76,668	4,89,764	1,24,765	226,461	28'95	0'55	67'87	2'32	169'51	2'10	219'03
(Unbarwah ...)	1,244	281	...	281	1,84,221	1,84,602	1,85,638	63,046	81,273	33'98	0'78	60'68	2'23	145'66	2'27	148'31
(Bogari Canal ...)	3,265	43,320	...	43,320	6,91,128	7,34,448	7,39,272	1,76,817	302,314	23'81	0'68	63'30	2'69	307'00	3'43	222'93
Jamrao Canal District. Jamrao Canal ...	1,885	1,059	...	1,059	7,47,181	7,48,940	7,91,263	3,64,631	236,557	46'08	1'54	216'40	2'91	402'36	3'17	444'42
Nasrat Canals District. (Dad Canal ...)	2,845	2,348	...	2,348	2,97,768	3,00,114	3,02,225	1,36,808	121,245	45'27	1'12	48'39	2'51	101'84	2'47	105'48
(Nasrat Canal ...)	1,873	215	...	215	2,89,234	2,89,449	2,91,916	1,63,666	100,779	62'61	1'63	81'99	2'75	147'23	2'67	154'68
Eastern Nara District. (Mithra Canal ...)	1,121	730	...	730	3,44,146	3,44,876	3,51,372	1,10,761	126,222	81'52	0'88	98'82	2'75	308'66	2'73	307'00
(Thar Canal ...)	1,104	1,607	...	1,607	1,65,768	1,67,373	1,69,478	29,453	66,308	17'40	0'62	28'71	3'09	149'88	2'97	161'01
(Eastern Nara ...)	...	1,965	...	1,965	97,726	99,301	1,05,236	75,316	68,439	71'56	1'29	...	1'77	...	...	...
(Hiral Canal ...)	109	...	...	...	55,199	55,199	56,846	18,383	17,201	62'34	1'63	168'65	3'11	493'03	3'25	615'69
Total Major Works ...	...	1,01,919	...	1,01,919	34,23,863	35,55,787	36,61,722	13,42,796	1,395,933	86'07	0'96	...	2'68	...	2'67	...
MINOR WORKS.																
<i>Works for which Capital and Revenue Accounts are kept.</i>																
Ghar Canals District... (Sukkur Canal ...)	2,784	1,743	...	1,748	3,04,883	3,06,628	3,06,820	81,978	91,853	28'54	0'89	39'45	3'40	109'21	3'33	110'14
(Ghar Canal ...)	3,672	4,141	...	4,141	9,74,685	9,78,178	9,81,222	3,54,824	250,788	36'97	1'09	63'17	4'01	270'67	3'90	273'85
Karachi Canals District. (Sittah Canal ...)	1,970	77	...	77	31,358	31,438	31,603	17,397	12,225	69'10	0'80	18'04	1'71	19'01	1'75	19'86
(Alibhar Kachori ...)	463	607	...	607	31,010	31,017	31,840	7,648	14,624	24'65	0'63	16'05	2'29	65'16	2'12	68'29
(Hyderabad ...)	1,844	3,699	...	3,699	1,96,231	1,98,089	2,00,732	52,638	80,638	28'17	0'68	38'18	2'66	132'63	2'47	136'82
(Sattar ...)	549	1,576	...	1,576	63,393	64,938	65,674	22,694	31,800	34'40	0'71	41'16	2'21	113'06	2'04	116'28
Fuleli Canals District. (Fuleli Canal ...)	3,781	35,880	...	35,890	10,47,498	10,88,378	10,97,201	3,61,643	439,080	32'98	0'82	95'65	2'82	373'25	2'46	380'53
(Hasanali Canal ...)	563	597	...	597	63,909	64,506	65,129	26,464	18,840	45'20	1'28	45'07	2'88	94'28	2'76	96'47
Total Minor Works ...	...	47,290	...	47,320	36,92,284	37,39,004	37,62,218	8,24,166	941,068	29'84	0'88	...	3'13	...	2'91	...
Grand Total ...	...	2,09,209	...	2,09,239	61,16,142	63,25,301	64,83,940	21,66,991	2,337,811	33'73	0'93	...	2'66	...	2'71	...

* Note.—The figures of area given in this column are exclusive of Dubari cultivation.

STATEMENT III-E.

STATEMENT III-E.

Statement of Quantity and Value of Crops irrigated in Sind during the year 1916-1917.

Description of Crops.	BEGÁRI CANALS DISTRICT.									
	Desert Canal.			Unhárwah.			Begári Canal.			
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	
1	2	3	4	5	6	7	8	9	10	
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	
Kharif ... {	Rice ...	22,158	7,41,474	33	2,580	82,883	32	76,214	23,05,104	30
	Jowári ...	52,992	17,56,265	33	11,517	2,81,535	25	108,325	27,55,337	25
	Bájri ...	46,982	9,78,999	21	40,091	7,81,484	19	34,804	6,28,411	18
	Cotton ...	155	11,618	75	25	1,200	48	29	1,711	59
	Other crops ...	3,408	76,856	23	2,043	40,326	20	8,223	2,17,820	21
	Total ...	125,695	35,65,212	28	56,256	11,87,408	21	227,595	59,08,383	26
Rabi ... {	Wheat ...	41,766	16,06,811	38	12,569	4,88,042	38	18,219	6,66,895	37
	Barley ...	19	500	26	3	76	25	18	491	27
	Oil-seeds ...	82,126	9,51,674	30	2,725	71,946	26	32,627	9,07,690	27
	Other crops ...	40,741	6,83,403	17	13,688	2,58,781	19	81,996	14,45,736	18
	Total ...	114,652	32,42,388	28	28,985	8,18,845	28	133,860	30,20,812	23
Total under both Heads ...		240,347	68,07,600	28	85,241	20,06,253	24	361,455	89,29,195	25

Description of Crops.	BEGÁRI CANALS DISTRICT—concluded.						SHIKÁBPUR CANALS DISTRICT.			
	Canals from Káshmor Bund.			Total.			Mahiwáh.			
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	
1	11	12	13	14	15	16	17	18	19	
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	
Kharif ... {	Rice ...	218	6,440	30	101,168	81,35,831	31	7,620	2,16,615	28
	Jowári ...	1,905	32,126	25	174,139	48,25,263	23	27,382	5,53,876	70
	Bájri ...	2,631	56,176	21	124,558	24,45,070	19	10,290	1,97,716	29
	Cotton ...	4	283	71	213	14,812	70	96	3,207	13
	Other crops ...	167	1,825	11	13,841	3,36,327	24	1,087	28,817	23
	Total ...	4,373	96,850	22	413,919	1,07,57,853	26	46,475	10,00,231	22
Rabi ... {	Wheat ...	1,705	61,918	36	74,259	28,23,666	37	21,618	6,01,269	28
	Barley ...	10	253	25	50	1,320	26	88	1,760	20
	Oil-seeds ...	116	2,240	19	68,594	19,33,550	28	1,501	22,219	15
	Other crops ...	253	3,780	15	136,678	23,91,700	17	4,752	30,299	6
	Total ...	2,084	63,191	33	279,581	71,50,236	26	27,959	6,55,547	23
Total under both Heads ...		6,457	1,65,041	26	693,500	1,79,08,089	26	74,434	16,55,778	22

STATEMENT III-E—continued.

Description of Crops.		SHIKÁRPOUR CANALS DISTRICT—continued.								
		Canals in Rohri.			Sind Canal.			Rajib Canal.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	20	21	22	23	24	25	26	27	28	
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	
Kharif	Rice ...	7,516	1,94,063	26	32,847	8,01,009	25	4,007	1,66,567	33
	Jowári ...	32,294	6,66,653	21	28,847	5,51,800	19	1,801	40,523	23
	Bájrí ...	2,475	47,410	19	2,482	43,573	18	...	...	...
	Cotton ...	309	7,345	24	78	1,864	24	...	...	...
	Other crops ...	2,444	88,840	34	8,651	89,805	25	183	6,177	34
Total ...	45,038	9,99,311	22	67,705	14,88,201	20	6,081	2,13,207	31	
Rabi	Wheat ...	16,567	3,93,979	24	7,337	1,66,686	23	1,480	44,580	30
	Barley ...	52	1,170	23	4	60	15	...	...	...
	Oil-seeds ...	838	7,699	9	2,220	38,455	17	451	6,314	14
	Other crops ...	3,038	61,668	20	15,743	2,90,394	18	8,404	60,260	20
Total ...	20,495	4,64,516	23	25,813	4,95,595	20	5,401	1,20,174	22	
Total under both Heads ...	65,533	14,63,827	22	93,018	19,83,786	21	12,382	3,33,441	27	

Description of Crops.		SHIKÁRPOUR CANALS DISTRICT—continued.								
		Chitti Canal.			Garang Canal.			Banda in Rohri.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	29	30	31	32	33	34	35	36	37	
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	
Kharif	Rice ...	4,097	1,36,567	33	1,808	43,600	33	2	53	27
	Jowári ...	1,861	41,873	23	2,140	48,150	23	31	850	25
	Bájrí ...	20	450	23	47	1,058	23	3	75	25
	Cotton ...	...	...	...	...	...	...	...	...	...
	Other crops ...	354	11,948	34	248	8,308	34	...	...	...
Total ...	6,332	1,90,898	30	3,741	1,01,116	27	39	978	25	
Rabi	Wheat ...	1,172	35,160	30	1,649	40,470	30	161	4,000	25
	Barley ...	1	30	30	...	...	...	...	...	...
	Oil-seeds ...	628	8,742	14	137	1,918	14	25	175	7
	Other crops ...	4,081	91,823	22	2,254	45,080	20	1	20	20
Total ...	5,882	1,35,755	23	4,040	96,468	24	188	4,195	22	
Total under both Heads ...	12,214	3,26,593	27	7,781	1,97,584	25	227	5,173	23	

STATEMENT III-E—continued.

Description of Crops.		SHIKÁRPOUR CANALS DISTRICT—concluded.								
		Sukkur Begári Bund.			Kásimpur Bund.			Total.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	38	39	40	41	42	43	44	45	46	
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif	Rice ...	2,039	67,833	33	...	...	...	60,226	16,26,367	27
	Jowári ...	2,461	54,300	22	812	16,240	20	97,632	19,74,355	20
	Bájrí ...	45	705	16	...	...	...	15,362	2,90,987	19
	Cotton ...	...	...	...	...	...	...	483	12,416	26
	Other crops ...	255	8,593	34	26	1,040	40	8,246	2,38,528	29
Total ...		4,800	1,31,431	27	838	17,280	21	181,949	41,42,653	23
Rabi	Wheat ...	3,270	94,056	29	644	12,880	20	53,904	14,02,030	26
	Barley ...	2	45	23	7	105	15	154	3,170	21
	Oil-seeds ...	202	2,825	14	1	10	10	6,018	88,857	15
	Other crops ...	3,417	68,596	20	48	672	14	36,798	6,57,822	18
	Total ...		6,891	1,65,522	24	700	13,667	20	96,869	21,51,429	22
Total under both Heads ...		11,691	2,96,953	25	1,538	30,947	20	278,818	62,94,082	23

Description of Crops.		GHÁR CANALS DISTRICT.								
		Sukkur Canal.			Ghár Canal.			Ghár Bunds.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	47	48	49	50	51	52	53	54	55	
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif	Rice ...	45,638	13,91,172	30	166,027	53,81,630	32	41	1,365	33
	Jowári ...	24,946	4,95,415	20	44,565	8,55,737	19	132	2,935	22
	Bájrí ...	690	10,898	16	1,107	15,992	14	...	...	...
	Cotton ...	1	24	24	2	75	37	...	...	...
	Other crops ...	3,235	50,426	16	4,890	1,18,136	24	37	1,249	34
Total ...		74,510	19,47,935	26	216,591	63,69,570	29	210	5,549	26
Rabi	Wheat ...	17,248	5,75,415	33	32,082	7,26,442	23	249	8,012	32
	Barley ...	12	220	18	48	694	15	...	...	...
	Oil-seeds ...	8,585	1,64,133	19	31,157	4,96,248	16	14	236	16
	Other crops ...	25,905	3,99,238	15	76,436	14,05,462	18	44	936	21
	Total ...		51,750	11,39,006	22	139,721	26,28,846	19	307	9,174	30
Total under both Heads ...		126,260	30,86,941	24	356,312	89,98,416	25	517	14,723	28

STATEMENT III-E—continued.

Description of Crops.	GRÁN CANALS DISTRICT— <i>consid.</i>			KARACHI CANALS DISTRICT.			WESTERN NÁRA DISTRICT.			
	Total.			Canals and Bunds.			Canals and Bunds.			
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	
1	55	57	58	59	60	61	62	63	64	
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	
Kharif	Rice ...	211,706	67,74,167	32	243,227	61,40,693	23	184,875	54,55,802	30
	Jowári ...	69,643	13,54,037	19	1,054	9,966	9	81,753	14,48,507	18
	Báji ...	1,797	26,590	15	10,058	2,35,823	23	5,123	48,265	9
	Cotton ...	3	99	33	...	...	...	128	2,087	17
	Other crops ...	8,162	1,67,811	21	3,955	64,734	16	4,324	84,484	20
Total ...	291,311	83,23,054	29	258,294	64,60,218	24	270,201	70,30,235	26	
Rabi	Wheat ...	49,579	13,09,869	26	190	4,122	22	73,300	26,53,840	36
	Barley ...	58	914	16	5,064	1,09,000	22	2,309	51,968	22
	Oil-seeds ...	39,756	6,60,607	17	3,148	58,719	19	36,349	5,15,062	14
	Other crops ...	102,385	18,05,636	18	20,522	4,05,954	20	71,945	14,76,797	21
	Total ...	191,778	37,77,026	20	28,922	5,77,795	20	185,906	46,99,267	23
Total under both Heads ...	483,089	1,21,00,080	25	287,216	70,38,013	24	462,197	1,17,38,502	25	

Description of Crops.	INDUS RIGHT BANK DIVISION.			JÁMRÁO CANAL DISTRICT.			EASTERN NÁRA DISTRICT.			
	Total.			Jámráo Canal.			Nára Supply Channel.			
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	
1	65	66	67	68	69	70	71	72	73	
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	
Kharif	Rice ...	801,202	2,31,42,000	29	...	...	204	5,712	28	
	Jowári ...	424,221	98,12,178	23	5,781	54,753	9	1,699	31,980	20
	Báji ...	156,898	30,47,037	19	60,766	6,11,101	10	51	1,020	20
	Cotton ...	82	29,414	36	88,493	28,35,242	32	1	15	15
	Other crops ...	38,528	8,92,384	23	8,437	75,232	9	127	5,080	40
Total ...	1,421,674	3,67,23,013	26	163,477	85,76,323	22	1,932	43,807	22	
Rabi	Wheat ...	253,232	81,95,577	32	66,508	10,54,105	16	9,060	1,81,200	20
	Barley ...	7,725	1,66,072	21	799	6,998	6	6	90	15
	Oil-seeds ...	163,858	32,57,193	21	3,349	15,735	5	984	9,840	10
	Other crops ...	368,331	67,36,909	18	5,293	97,662	18	1,585	22,190	14
	Total ...	783,146	1,88,55,753	23	75,949	11,74,500	15	11,635	2,13,320	18
Total under both Heads ...	2,204,820	5,50,78,766	25	239,426	47,50,823	20	13,617	2,57,127	19	

STATEMENT III-E—continued.

Description of Crops.		EASTERN NARA DISTRICT—continued.								
		Eastern Nara.			Mithra Canal.			Thar Canal.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	74	75	76	77	78	79	80	81	82	
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif	Rice ...	11,585	3,65,622	32	55,094	16,22,966	29	48,606	10,66,294	22
	Jowári ...	75	1,033	14	1,142	15,330	13	345	7,820	23
	Bájrí ...	18,475	4,26,961	23	22,199	4,61,060	21	2,924	67,983	23
	Cotton ...	1,400	60,500	43	24,859	12,84,276	52	1,876	91,455	49
	Other crops...	341	9,204	27	753	18,203	24	508	16,990	33
Total ...		31,876	8,63,320	27	104,052	34,01,835	33	54,259	12,50,542	23
Rabi	Wheat ...	5,168	1,04,648	20	19,598	3,71,020	19	1,354	31,142	23
	Barley ...	264	3,378	15	129	1,872	15	8	113	14
	Oil-seeds ...	2,040	12,382	6	2,541	12,503	5	849	5,102	6
	Other crops...	3,115	79,690	26	1,059	23,863	22	1,254	29,561	24
Total ...		10,587	2,00,598	19	23,337	4,09,263	18	3,465	65,918	18
Total under both Heads ...		42,463	10,63,918	25	127,389	38,11,098	30	57,724	13,16,460	23

Description of Crops.		EASTERN NARA DISTRICT—continued.					
		Khipro Canal.			Hiral Canal.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	83	84	85	86	87	88	
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif	Rice ...	959	33,505	35	4,619	1,57,623	34
	Jowári ...	12	204	17	84	1,071	13
	Bájrí ...	3,082	76,087	25	6,433	1,27,052	20
	Cotton ...	84	3,071	37	2,550	1,36,000	53
	Other crops...	42	1,260	30	219	6,200	28
Total ...		4,179	1,14,127	27	13,905	4,27,946	31
Rabi	Wheat ...	213	3,781	18	3,269	56,390	17
	Barley ...	.....	.....	...	23	214	9
	Oil-seeds ...	135	1,353	7	388	1,737	5
	Other crops...	15	450	32	68	1,380	20
Total ...		413	5,584	14	3,748	59,721	16
Total under both Heads ...		4,592	1,19,711	26	17,653	4,87,667	28

STATEMENT III-E—continued.

Description of Crops.	EASTERN NARA DISTRICT—concl'd.			NARAT CANALS DISTRICT.						
	Total.			Dad ^a Canal.			Narat Canal.			
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	
1	88	89	91	92	93	94	95	96	97	
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	
Kharif	Rice ...	121,067	32,51,722	27	14,546	2,31,202	16	184	3,102	17
	Jowári ...	3,257	57,438	18	40,695	7,20,385	18	46,604	7,70,708	17
	Bájrí ...	53,184	11,60,163	22	35,119	8,66,887	25	18,307	3,17,707	17
	Cotton ...	30,770	15,75,317	51	7,085	3,02,040	38	1,223	6,84,304	36
	Other crops ...	1,985	50,937	29	7,030	2,12,400	30	10,567	4,37,707	41
Total ...	210,253	61,01,577	29	105,375	23,43,404	22	94,885	22,22,858	23	
Rabi	Wheat ...	38,662	7,48,181	19	6,777	1,36,600	20	3,031	85,601	28
	Barley ...	430	6,167	21	922	10,439	11	33	412	14
	Oil-seeds ...	6,987	42,917	6	9,328	1,93,722	21	2,093	25,227	9
	Other crops ...	7,106	1,57,139	22	2,767	45,415	16	770	24,454	31
	Total ...	53,185	9,54,404	18	19,794	3,89,183	20	6,605	1,36,814	21
Total under both Heads ...	263,438	70,55,981	27	125,169	27,22,579	22	101,490	23,59,702	23	

^a Includes also figures for Pen Distributary ex. Dad which is in charge of Executive Engineer, Hyderabad Canals District.

Description of Crops.	NARAT CANALS DISTRICT—concluded.						HYDERABAD CANALS DISTRICT.			
	Other Canals.			Total.			Allinar Kachori.			
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	
1	98	99	100	101	102	103	104	105	106	
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	
Kharif	Rice ...	6,182	1,05,051	17	20,912	3,39,535	16	784	25,872	33
	Jowári ...	59,478	9,52,933	16	1,16,777	24,62,616	17	1,354	26,490	20
	Bájrí ...	10,511	1,80,053	17	63,937	13,64,677	21	7,949	2,20,476	28
	Cotton ...	974	24,652	25	28,182	10,11,098	36	2,609	1,17,767	46
	Other crops ...	2,848	74,475	26	20,445	7,24,762	35	165	7,521	47
Total ...	79,993	13,37,204	17	180,253	52,02,586	21	12,861	3,98,416	31	
Rabi	Wheat ...	9,418	2,12,572	23	19,286	4,34,872	23	1,051	24,364	23
	Barley ...	525	6,781	13	1,479	17,602	12	...	...	...
	Oil-seeds ...	1,415	28,823	20	13,436	2,47,772	18	1,329	32,157	24
	Other crops ...	1,081	26,306	24	4,627	96,175	21	967	18,100	19
	Total ...	12,439	2,74,482	22	38,828	7,96,481	21	3,347	74,621	22
Total under both Heads ...	92,432	16,11,686	17	319,081	67,00,067	21	16,208	4,73,037	22	

STATEMENT III-E—continued.

Description of Crops.		HYDERABAD CANALS DISTRICT—continued.								
		Great Mārak			Sarfaz.			Other Canals.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	107	109	109	110	111	112	113	114	115	
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif	Rice ...	4,495	1,46,415	33	2,138	53,215	25	2,119	46,929	22
	Jowāri ...	3,820	72,518	19	1,079	20,359	19	7,397	1,40,321	19
	Bājri ...	28,051	9,38,768	25	20,234	3,45,388	17	88,325	21,76,438	25
	Cotton ...	23,928	11,07,213	46	4,757	1,04,896	22	37,169	12,01,248	32
	Other crops ...	1,130	44,847	40	786	21,590	27	5,462	1,64,357	30
Total ...		71,424	23,09,701	32	28,934	5,45,448	19	140,472	37,29,293	27
Rabi	Wheat ...	3,979	95,006	24	1,195	30,314	25	4,627	1,05,879	23
	Barley ...	...	...	...	...	...	...	1	15	15
	Oil-seeds ...	4,480	97,087	22	739	12,119	16	2,347	51,444	22
	Other crops ...	5,438	1,01,009	19	1,032	32,695	32	13,948	2,98,039	21
Total ...		13,897	2,93,102	21	2,966	75,128	25	20,918	4,54,877	22
Total under both Heads ...		85,321	26,02,803	31	31,960	6,20,576	19	161,390	41,84,170	26

Description of Crops.		HYDERABAD CANALS DISTRICT—concluded.			FULELI CANALS DISTRICT.					
		Total.			Fuleli Canal.			Hasanali Canal.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	116	117	118	119	120	121	122	123	124	
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif	Rice ...	9,536	2,72,431	29	271,654	75,98,707	28	15,629	5,62,644	36
	Jowāri ...	13,650	2,59,658	19	6,294	1,05,864	17	184	1,472	8
	Bājri ...	154,559	36,81,010	24	87,147	14,28,621	16	3,331	59,958	18
	Cotton ...	68,463	25,31,114	37	15,011	3,12,226	20	69	1,035	15
	Other crops ...	7,543	2,38,615	32	9,047	3,26,430	36	373	14,072	38
Total ...		253,751	69,82,858	28	390,153	97,71,848	25	19,586	6,39,181	33
Rabi	Wheat ...	10,852	2,55,063	23	23,030	5,17,233	18	46	1,656	36
	Barley ...	1	15	15	1,325	23,172	17	16	288	18
	Oil-seeds ...	8,895	1,92,507	22	8,937	1,23,233	14	227	2,043	9
	Other crops ...	21,330	4,49,843	21	16,376	2,76,960	17	123	3,146	24
Total ...		41,128	8,97,228	22	54,668	9,40,603	17	417	7,193	17
Total under both Heads ...		294,879	78,80,586	27	444,821	1,07,12,451	24	20,003	6,46,314	32

STATEMENT III-E—concluded.

Description of Crops.		FUZZLI CANALS DISTRICT—concluded.					
		Other Canals.			Total.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	125	126	127	128	129	130	
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	
Kharif	{ Rice ...	18,326	6,63,249	36	305,609	88,24,600	29
	{ Jowári ...	652	11,258	17	7,180	1,18,594	16
	{ Bájri ...	9,802	1,83,979	19	100,280	16,72,668	17
	{ Cotton ...	560	10,272	18	16,640	3,23,533	19
	{ Other crops ...	599	21,660	36	10,019	3,02,162	30
Total ...	29,939	8,90,418	30	439,678	1,13,01,447	26	
Rabi	{ Wheat ...	955	30,212	32	29,031	5,49,106	19
	{ Barley ...	106	1,944	18	1,447	25,404	18
	{ Oil-seeds ...	758	7,866	10	9,922	1,32,042	13
	{ Other crops ...	1,648	18,629	11	18,152	2,98,735	16
	Total ..	3,467	58,451	17	58,562	10,06,187	17
Total under both Heads ..	33,406	9,48,869	23	498,230	1,23,07,634	25	

Description of Crops.		INDUS LEFT BANK DIVISION.			GRAND TOTAL FOR SIMD.		
		Total.			Area irrigated.	Estimated value.	Value per acre.
		Area irrigated.	Estimated value.	Value per acre.			
1	181	182	183	134	135	136	
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	
Kharif	{ Rice ...	457,124	1,26,88,288	28	1,258,326	3,53,30,284	28
	{ Jowári ...	176,595	29,53,089	17	600,818	1,25,95,267	21
	{ Bájri ...	432,708	84,83,509	20	589,604	1,15,36,546	20
	{ Cotton ...	282,648	82,77,202	36	238,373	82,06,010	36
	{ Other crops ...	48,439	14,57,708	30	86,967	23,50,092	27
Total ...	1,347,412	3,38,65,796	25	2,769,086	7,05,88,809	25	
Rabi	{ Wheat ...	164,933	30,41,327	19	417,571	1,12,36,904	27
	{ Barley ...	4,156	56,246	14	11,881	2,22,318	19
	{ Oil-seeds ...	42,589	6,32,178	15	106,447	38,52,388	20
	{ Other crops ...	56,558	10,99,554	19	424,880	78,86,463	18
	Total ...	267,642	48,29,300	18	1,050,708	2,31,85,058	22
Total under both Heads ...	1,615,054	3,86,95,096	24	3,819,794	9,37,73,867	25	

STATEMENT

Comparative Statement of Irrigation and

Civil District	OF THE CIVIL DISTRICT.			WORKS SUPPLYING IRRIGATION.		Culturable Area commanded by the Irrigation Works, in Acres.
	Total Area in Acres.	Culturable Area in Acres.	Cultivated Area in Acres.	No.	Name.	
1	2	3	4	5	6	7
	Acres.	Acres.	Acres.			Acres.
Ehelat Territory.	513,195	276,920	122,287	1	Desert Canal	101,493
				2	Begári Canal	180,000
					Total	281,493
Upper Sind Frontier.	1,589,944	1,377,104	677,194	3	Desert Canal	287,492
				4	Unharwáh	214,056
				5	Begári Canal	416,867
				6	Canals from Kashmir Bund	29,401
				7	Sukkur Canal	50,618
				8	Ghár Canal	53,714
				9	Sind Canal	4,119
				10	Canals in Rohri	...
					Total	1,056,287
Sukkur Collectorate.	3,587,816	1,926,824	408,703	11	Begári Canal	83,334
				12	Sukkur Canal	58,056
				13	Ghár Canal	912
				14	Ghár Bunds	2,940
				15	Mahiwáh	145,445
				16	Sind Canal	186,919
				17	Canals in Rohri	146,498
				18	Garang Canal	37,900
				19	Rajib Canal	12,400
				20	Chitti Canal	13,500
				21	Bunds in Rohri	450
				22	Sukkur-Begári Bund	19,268
				23	Kásimpur Band	5,000
				24	Nára Supply Channel	25,000
					Total	721,352
Lárkána Collectorate.	1,750,873	1,197,286	855,688	25	Begári Canal	300
				26	Sukkur Canal	60,823
				27	Ghár Canal	401,481
				28	Ghár Bunds	41,229
				29	Sind Canal	...
				30	Western Nára	371,655
				31	New Feeder	1,600
				32	Pritchard Canal	27,041
				33	Wahurwah	8,000
				34	Marvi	15,121
				35	Dáru Canals	30,654
				36	Phitta Canal	14,460
				37	Manchar	21,500
				38	Aral	14,000
				39	Nára Bunds	20,000
					Total	956,664
Karáchi Collectorate.	5,498,553	1,863,867	266,692	40	Canals north of Kotri	21,780
				41	Bunds north of Kotri	1,150
				42	Kairi	36,130
				43	Baghar	67,168
				44	Indus Canal, Right Bank	80,546
				45	Pinyári	138,002
				46	Indus Canal, Left Bank	147,391
				47	Sattah	60,975
				48	Bunds, Right Bank	9,740
				49	Bunds, Left Bank	23,520
				50	Other Canals (Mulchand)	14,501
					Total	600,834

IV-E

Rainfall for the years 1915-1916 and 1916-1917 in Sind.

Area at present estimated as annually irrigated by the works, in Acres.	AREA IRRIGATED IN ACRES						RAINFALL.		Remarks.
	1915-1916.			1916-1917.			1915-1916.	1916-1917.	
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.			
8	9	10	11	12	13	14	15	16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inch. etc.	Inch. etc.	
65,000	26,127	37,161	63,288	33,767	37,161	70,928	3 08	3 08	Srinagar Kharif and unutilized area assessed by the Political Agent as under:—
30,000	23,828	6,081	29,909	37,566	6,082	33,638	3 06	3 06	
95,000	49,955	43,242	93,197	61,323	43,248	104,500			Kharif, Rabi, Total.
130,000	75,137	62,785	137,922	91,928	77,491	169,419	3 08	3 08	Desert Canal. 4,718 4,000 8,718 Bogart Canal. 3,710 1,005 4,715
70,000	44,829	35,307	80,136	66,256	28,985	95,241	4 74	1 88	
200,000	130,925	103,971	234,896	161,472	109,300	270,772	3 05	4 00	
4,000	2,838	1,940	4,778	4,373	3,084	6,457	3 22	3 05	
36,587	7,899	5,627	13,526	11,698	10,897	22,595	1 72	0 26	
20,185	9,208	2,492	11,700	9,061	4,897	14,558	1 72	0 20	
...	
...	
460,772	280,834	211,172	472,006	325,888	233,660	559,548			
50,000	36,323	13,777	50,100	48,567	19,472	67,039	3 05	4 00	
49,186	18,131	12,880	31,011	22,198	12,779	34,976	0 62	1 45	
550	138	48	179	229	171	400	0 70	1 60	
1,900	219	424	643	210	254	464	0 79	1 00	
99,000	36,022	20,939	56,961	46,475	27,959	74,434			
111,372	68,860	39,247	98,107	67,705	25,313	93,018			
82,968	33,113	12,479	45,592	45,038	20,495	65,533			
9,500	3,290	5,218	8,508	3,741	6,040	7,781			
11,300	5,264	5,634	10,898	6,981	5,401	12,382	0 67	3 98	
14,500	5,446	7,533	12,979	6,332	3,832	12,214			
180	76	60	126	89	188	227			
13,000	3,088	7,207	10,295	4,900	6,391	11,691			
4,000	622	145	667	338	700	1,338			
23,000	1,169	7,044	8,213	1,982	11,635	13,617	...	...
470,436	201,656	138,223	339,879	255,133	140,180	395,313			
125	43	...	43	...	...	...	3 05	4 00	
49,435	34,118	26,735	60,853	40,616	23,074	63,690	0 79	1 60	
236,269	177,818	109,819	287,437	203,701	134,653	341,354	1 10	3 12	
80	14	...	14	...	59	63	0 56	3 33	
...	
331,538	177,398	119,163	296,560	223,501	136,221	362,315			
1,500	790	121	911	866	104	970			
15,000	6,840	2,065	8,905	9,847	2,323	12,770			
5,900	1,071	415	1,486	2,437	1,397	3,834			
10,200	3,033	1,803	4,836	3,826	1,848	5,474	1 10	9 68	
21,550	7,484	3,702	16,186	8,251	9,164	17,415			
14,400	4,062	1,458	5,520	4,713	2,710	7,423			
23,500	1,734	8,030	9,764	2,170	15,117	17,287			
8,000	2,776	4,165	6,941	5,250	8,501	13,751			
7,963	1,806	331	2,136	2,629	1,223	3,852			
821,515	418,768	282,306	701,092	519,897	341,091	656,688			
12,963	3,110	3,218	11,328	9,036	6,450	15,636	1 10	9 68	
605	557	72	629	735	335	1,070			
25,280	14,480	3,842	18,132	18,397	3,911	21,308	0 82	16 08	
26,082	27,385	7,287	34,672	36,568	8,242	44,810	1 27	16 87	
31,479	23,120	14,175	37,295	34,908	6,945	41,853	1 16	15 65	
32,739	35,325	6,688	34,013	34,334	4,953	39,287	3 42	13 89	
37,634	39,917	3,022	42,939	49,331	5,124	54,455	3 61	14 91	
14,059	10,455	636	10,991	11,856	563	12,419	4 46	14 29	
4,366	5,211	1,331	6,542	5,790	1,287	7,077	1 46	16 05	
5,248	6,263	722	6,985	6,512	837	7,349	3 71	14 21	
3,206	2,614	550	3,164	6,017	112	6,129	6 62	7 40	
274,311	223,447	43,245	266,692	273,132	35,319	308,451			

STATEMENT

Civil District.	OF THE CIVIL DISTRICT.			WORKS SUPPLYING IRRIGATION.		Culturable Area commanded by the Irrigation Works, in Acres.			
	Total Area in Acres.	Culturable Area in Acres.	Cultivated Area in Acres.	No.	Name.				
1	2	3	4	5	6	7			
Thar and Parkar Collectorate.	8,727,495	2,590,711	1,068,463	51	Jámráo Canal	591,560			
				52	Eastern Nára	506,773			
				53	Mithráo Canal	406,457			
				54	Khipró Canal	33,845			
				55	Thar Canal	136,000			
				56	Híral Canal	49,828			
				57	Gháro Mahmúdo	40,800			
				58	Kári Shumáli	26,600			
								Total ...	1,790,463
				Nawabshah Col-lectorate.	2,489,413	1,686,566	665,997	59	Jámráo Canal ... ..	201,554
60	Mehrabwah	65,050							
61	Nasrat Canal	324,191							
62	Naulkhi	156,643							
63	Dambro	42,840							
64	Dad Canal	378,257							
65	Ren Distributary <i>es</i> Dad	40,658							
66	Renwah	90,500							
67	Alibhar Kacheri	48,769							
68	Great Márák	173,054							
69	Gháro Mahmúdo	57,385							
70	Other Canals	121,665							
				Total ...	1,695,471				
Hyderabad Col-lectorate.	2,833,107	2,038,479	599,112	71	Jámráo Canal ... ..	...		
				72	Alibhar Kacheri	3,131			
				73	Great Márák	65,346			
				74	Gháro Mahmúdo	270,700			
				75	Sarfraz	139,400			
				76	Kári Shumáli	185,500			
				77	Nasirwah	127,300			
				78	Other Canals	530			
				79	Fuleli Canal	1,437,500			
				80	Hasanali Canal	84,000			
				81	Other Canals	95,900			
				Total ...	2,409,307				
	27,290,999	12,957,697	4,564,136		Grand Total ...	8,542,931			

Note.—The difference in the figures of columns 2, 3 and 4 as compared with the last year is due to revised last year as given by the Revenue Authorities, is due to the fact that large unassessed numbers have

IV-B—concluded.

Area at present estimated as annually irrigated by the works, in Acres.	AREA IRRIGATED BY CANALS.						RAINFALL.		Remarks.
	1915-1916.			1916-1917.			1915-1916.	1916-1917.	
	Khairif.	Rabi.	Total.	Khairif.	Rabi.	Total.	Ina. etc.	Ina. etc.	
8	9	10	11	12	13	14	15	16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Ina. etc.	Ina. etc.	
197,186	106,276	110,068	217,239	123,429	53,276	182,706	5 01	10 57	
90,900	28,644	9,689	84,233	81,876	10,887	43,468	1 28	11 0	
148,500	99,907	29,456	129,365	104,062	23,837	127,890	1 46	11 03	
8,000	3,847	111	3,958	4,179	413	4,592	0 25	14 0	
50,000	54,058	9,405	63,463	54,250	8,465	57,724	2 25	9 18	
15,700	11,477	5,768	17,245	18,905	3,748	17,653	2 52	12 09	
(a)	5,676	172	5,848	5,129	243	6,377	0 33	6 54	(c) included in the total Collected, separate figures not available.
(a)	4,257	181	4,438	5,030	97	5,117	0 33	6 54	
505,286	314,142	165,647	479,789	342,840	101,271	444,111			
67,185	35,396	25,482	60,878	40,052	16,568	56,620	3 30	12 55	
14,050	10,836	385	11,201	11,846	1,813	13,203	1 21	3 08	
67,200	76,740	6,922	82,662	66,855	6,595	101,430	1 31	3 4	
50,500	42,697	7,175	49,772	45,993	4,977	51,978	0 71	4 47	
14,500	13,540	1,647	15,187	14,251	2,242	16,493	1 3	0 56	
110,000	78,724	10,811	89,535	95,728	17,981	113,687	1 24	10 34	
11,295	7,100	2,368	9,468	9,649	1,833	11,482	1 18	22 53	
20,150	298	212	510	487	470	987	1 18	22 55	
11,605	10,024	520	10,544	11,102	2,934	14,036	1 18	10 18	
73,050	54,472	4,879	59,351	62,830	10,421	73,251	1 12	14 05	
23,000	19,895	2,820	22,715	22,050	3,155	26,205	1 18	0 72	
61,700	7,445	3,343	10,788	7,989	4,688	12,672	1 11	10 3	
524,225	357,067	65,544	422,611	417,383	78,055	490,938			
...	18	...	18	5	5	10	...	...
13,300	1,819	201	2,020	1,750	412	2,172	1 55	13 08	
58,350	6,668	840	7,708	8,594	3,476	12,070	1 55	13 08	
68,200	42,368	7,737	60,105	46,400	8,724	55,214	1 00	11 70	
40,800	24,365	1,440	25,805	28,994	3,968	31,960	0 90	12 75	
48,000	29,887	1,687	31,574	31,631	3,488	35,104	1 60	11 70	
30,250	23,141	2,963	26,109	27,542	4,957	31,999	1 00	11 70	
(b)	18	...	18	5	5	10	...	...
400,000	346,521	70,449	416,970	390,153	54,083	444,821	2 14	14 12	(d) included in the total Collected, separate figures not available.
30,000	17,252	638	17,890	18,546	417	20,008	3 42	12 01	
35,000	20,880	3,129	23,909	24,922	3,355	28,277	2 18	18 6	
723,900	512,935	89,144	602,079	579,090	81,569	661,259			
3,875,445	2,338,822	1,089,023	3,377,845	2,769,086	1,060,788	3,819,874			

figures reported this year by the Revenue Authorities. The difference in the figures of column 7 as compared with the not any settled source of irrigation shown in Survey Records.