
TRIENNIAL IRRIGATION REVENUE REPORT

OF THE

BOMBAY PRESIDENCY

(EXCLUDING SIND)

FOR THE

TRIENNium ENDING 1910-1911.

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OF THE

BOMBAY PRESIDENCY

(EXCLUDING SIND)

FOR THE

TRIENNIAL ENDING 1910-1911.

CONTENTS.

	PAGES.
General Remarks	i to iv
Consolidated Statements for—	
<i>Major Works</i>	
(1) Protective—Works for which Capital and Revenue Accounts are kept	1 to 3
(2) Productive Works	5 to 7
<i>Minor Works and Navigation.</i>	
(3) Works for which Capital and Revenue Accounts are kept	9 to 11
(4) Works for which only Revenue Accounts are kept.	13 to 15
(5) All classes of Irrigation Works	17
Detailed Statements of—	
<i>Major Works.</i>	
<i>Protective.</i>	
<i>Works for which Capital and Revenue Accounts are kept.</i>	
(1) Pravara River Works—Ojhár Right Bank Canal	20 & 21
(2) Chankapur Tank	22 & 23
(2a) Data important in the management of the Tank Sluices and Gates—Chankapur Tank	24
(3) Godáveri Canal	26 & 27
(3a) Data important in the management of the Tank Sluices and Gates—Darna Storage	28
(4) Nira Canal including Shetphal Tank	30 & 31
(4a) Data important in the management of the Tank Sluices and Gates—Lake Whiting	32
(5) Mhasvad Tank	34 & 35
<i>Works for which neither Capital nor Revenue Accounts are kept.</i>	
(6) Surveys and Investigations of Protective Irrigation Works	38 & 39
<i>Productive.</i>	
(7) Háthmati Canal including Khári Cut	42 & 43
(8) Lower Pánjhra River Works	44 & 45
(8a) Data important in the management of the Tank Sluices and Gates—Mukti Tank	46
(9) Kadva River Works	48 & 49
(9a) Data important in the management of the Tank Sluices and Gates—Waghad Tank	50
(10) Pravara River Works—Lákh Canal	52 & 53
(11) Mutha Canals including Mátoba Tank... ..	54 & 55
(11a) Data important in the management of the Tank Sluices and Gates—Lake Fife	56
(12) Ekruk Tank	58 & 59
(13) Krishna Canal... ..	60 & 61
<i>Minor Works and Navigation—Works for which Capital and Revenue Accounts are kept.</i>	
(14) Wangroli Tank	64 & 65
(15) Tranza-Nagráma Tanks	66 & 67
(16) Savli Tank	68 & 69
(17) Sahiat Tank	70 & 71
(18) Hartála Tank	72 & 73
(19) Mhasva Tank	74 & 75
(20) Jámda Canals	76 & 77

CONTENTS.

PAGES.

*Detailed Statements of Minor Works and Navigation—Works for which
Capital and Revenue Accounts are kept—continued.*

(21) Parsul Tank	78 & 79
(22) Pravara River Works—Ojhár Left Bank Canal ...	80 & 81
(23) Bhátodi Tank	82 & 83
(24) Kasurdi do.	84 & 85
(25) Shirsuphal do.	86 & 87
(26) Bhádalvádi do.	88 & 89
(27) Koregaon do.	90 & 91
(28) Ashti do.	92 & 93
(29) Páthri do.	94 & 95
(30) Revári Canal	96 & 97
(31) Upper Mán River Works	98 & 99
(32) Yerla River Irrigation Works	100 & 101
(33) Chikhli Canal	102 & 103
(34) Máini Tank	104 & 105
(35) Muchkundi Tank	106 & 107
(36) Gadikeri Tank	108 & 109
(37) Gokák Canal—1st Section and Storage Works ...	110 & 111
(37a) Data important in the management of the Tank Sluices and Gates—Dhupdal Storage Reservoir .	112 & 113
(38) Dambal Tank	114 & 115
(39) Medleri do.	116 & 117
(40) Asundi do.	118 & 119
(41) Madag do.	120 & 121
(42) Mávinkop do.	122 & 123

Works for which only Revenue Accounts are kept.

Works in the—

(43) Ahmedabad District	126 & 127
(44) Kaira do.	128 & 129
(45) Surat do.	130 & 131
(46) Khándesh (East and West) Districts	132 & 133
(47) Násik District	134 & 135
(48) Belgaum do.	136 & 137
(49) Dhárwár do.	135 & 139
(50) Panch Maháls, Broach, Ahmednagar, Poona, Sátára, Bijápur, Ratnágiri and Kánara Districts ...	140 & 141

*Works for which neither Capital nor Revenue
Accounts are kept.*

(51) Surveys, Gauges, Tanks, etc.	144 & 145
Maps of the Northern, Central and Southern Divisions	
Government Resolution	

**TRIENNIAL IRRIGATION REVENUE REPORT, BOMBAY
PRESIDENCY (EXCLUDING SIND), 1908-1909 TO 1910-1911.**

General Remarks.

This is the fourth Triennial Revenue Report of Irrigation Works prepared in accordance with the orders of the Government of India conveyed in their Resolution No. 670-C. W. I., dated the 6th June 1901, contained in Government Resolution No. W. I.—1396, dated 5th July 1901.

The question whether this report should be maintained or abolished is under the separate consideration of the Government of India.

2. The report contains the statistical information of which it is important to maintain a permanent and continuous record, compares the results of successive triennial periods and shows the progress of the works.

For details regarding the administrative work and progress of the Department, reference should be had to the Annual Administration Reports which are published separately.

3. The works in the Deccan and Gujarát for which both Capital and Revenue Accounts are kept are divided into two classes—Major Irrigation Works and Minor Works and Navigation, but there are no navigable canals.

A detailed list of the works is given in the index on page 1.

During the triennium under report, the Khari Cut was amalgamated with the Hathmati Canal and the Matoba Tank with the Mutha Canal.

The Budhihal and Victoria Tanks commenced as famine relief works are now stopped; the Gokák Canal—2nd Section—is in abeyance, and the Maladevi Tank has been abandoned.

Detailed statements have been prepared only for the 41 works which are in operation and embodied in the present report.

4. The following table gives the average of the rainfall at all stations connected with works in operation at which rainfall is gauged:—

Average of 12 years 1899-1900 to 1910-11.	During			Average for			
	1908-09.	1909-10.	1910-11.	1908-09 to 1910-11.	1905-06 to 1907-08.	1902-03 to 1904-05.	1899-1900 to 1901-02.
Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
1933	1957	2045	2800	2267	1943	1919	1625

The rainfall during the triennium under report is above the average of the 12 years ending 1910-11.

5. The Capital outlay and financial results of the works classed as Major Works—Protective—are shown in the following table:—

	Average for			
	1908-1909 to 1910-1911.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.
	Acres.	Acres.	Acres.	Acres.
Area irrigated	52,957	47,186	45,332	52,693
	Rs.	Rs.	Rs.	Rs.
Capital outlay to end of triennial period	1,78,87,933	1,14,30,083	91,75,054	86,81,773
Revenue	3,87,433	3,05,373	2,26,469	1,93,628
Working Expenses	1,14,704	1,03,570	82,467	69,161
Net Revenue	2,72,735	2,01,803	1,44,002	1,24,467

The large increase in the Capital outlay incurred during the triennium under report on Protective Irrigation Works is chiefly due to rapid progress in the construction of the Godaveri and Pravara River Works Projects.

The net revenue shows steady progress, but irrigation commenced during the triennium on the Godaveri Canal and on the Girna Canal under the Chankapur Tank and larger increases are expected.

6. Under the head Major Works—Protective Works—Works for which neither Capital nor Revenue Accounts are kept—an expenditure of Rs. 4,65,107 was incurred during the triennium on Surveys and Investigations of Protective Irrigation Works and on the preparation of projects of Public Works for the famine relief programmes, that incurred during the preceding triennium being Rs. 8,53,591; a separate statement showing details of the above outlay has been included in the present report. The general Survey for Protective Irrigation Works has been completed, and a most valuable record of possible projects has been compiled and affords means for the ready selection of the next Protective Irrigation Works for which detailed projects should be prepared for sanction and construction. The famine relief programme is ready.

7. The following statement gives Capital outlay and financial results in respect of the works classed as Major Works—Productive :—

	Average for			
	1908-1909 to 1910-1911.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.
	Acres.	Acres.	Acres.	Acres.
Area irrigated	47,927	36,240	28,481	23,769
	Rs.	Rs.	Rs.	Rs.
Capital outlay to end of triennial period	1,28,58,723	1,25,69,947	1,23,58,927	1,17,23,427
Revenue	6,22,418	4,95,101	4,20,562	3,76,095
Working Expenses	2,08,308	1,91,835	1,82,389	1,73,004
Net Revenue	4,14,110	3,03,206	2,38,173	2,03,091

The figures show continuous progress. The Hathmati Canal and Khari Cut were specially successful during the period and the Ekruk Tank has progressed well. The return of 3.22 per cent. obtained on the Capital outlay under this head (Major Works—Productive) excluding interest charges, is better than the percentage 2.41 shown in the last triennium.

8. The Capital expenditure on the five works—Lower Panjhra River Works, Kadwa River Works, Pravara River Works—Lakh Canal, Mutba Canals and Krishna Canal—originally classed as Productive Works and still maintained on the list of works of that class, has from 1885-86 been met from funds provided under "Minor Works and Navigation" as they were found not to fulfil the conditions prescribed in the case of Productive Works.

The Hathmati Canal was amalgamated with the Khari Cut Project in 1909-10, and though the combined work stands on the list of Productive Public Works, the Capital expenditure thereon is being met from the grant under "Minor Works and Navigation" under orders of the Government of India.

9. The Capital outlay and financial results in respect of "Minor Works and Navigation—Works for which Capital and Revenue Accounts are kept" are as follows :—

	Average for			
	1908-1909 to 1910-1911.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.
Area irrigated	Acres. 38,180	Acres. 32,935	Acres. 33,751	Acres. 37,998
	Rs.	Rs.	Rs.	Rs.
Capital outlay to end of triennial period	92,23,728	88,54,892	84,21,274	74,39,144
Revenue	1,81,390	1,35,438	1,11,168	95,743
Working Expenses	91,653	72,889	69,839	1,48,951
Net Revenue	89,737	62,549	41,329	—53,208

The figures show a satisfactory increase in the revenue.

10. Besides the Capital Account works referred to in paragraph 3 under Minor Works and Navigation, there are two classes, namely, (1) Works for which only Revenue Accounts are kept and (2) Works for which neither Capital nor Revenue Accounts are kept.

The particulars of "Works for which only Revenue Accounts are kept" are as follows :—

	Average for			
	1908-1909 to 1910-1911.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.
Area irrigated	Acres. 153,993	Acres. 145,946	Acres. 143,350	Acres. 131,372
	Rs.	Rs.	Rs.	Rs.
Revenue	5,20,492	4,49,366	5,08,238	5,53,072
Working Expenses	4,59,022	4,24,008	4,56,804	2,32,089
Net Revenue	61,470	25,358	51,434	3,20,983

The works included in the above class are small tanks and bandharas and are old works which are maintained and repaired. The area of irrigation and the revenue depend largely on the character of the rainfall and the triennium was better than the preceding one. The large figures for working expenses indicate the systematic manner in which these old works are being maintained and repaired.

11. Particulars in respect of "Works for which neither Capital nor Revenue Accounts are kept" are as follows :—

	Average for			
	1908-1909 to 1910-1911.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.
Revenue	Rs. 7,545	Rs. 2,871	Rs. 1,499	Rs. 1,785
Expenditure	1,19,659	1,00,023	1,62,883	1,19,049

The expenditure under this head is on account of construction of certain tank works, offices and residences for the Executive Engineers, Gujarát and Dhárwár Irrigation, drainage channels, field-embankments, store-houses, surveys and river and rain gauges. The measurement of the supplies of water available is very important for the design of future works.

12. In addition to the tables of statistics, statements have been given for the works numbered in the margin of data important in the management of the works. They may also be of general interest. The statement for Lake Whiting shows that the date when the storage was first drawn upon varied from the 20th September in 1896 to the 26th November in 1910 and the statement for the Gokák Canal shows the dates vary from 24th November to the 10th of February.
- | | |
|---|--|
| 2. Chankapur Tank. | |
| 3. Godaverí Canal. | |
| 4. Nira Canal. | |
| 8. Lower Panjhra River Works. | |
| 9. Kadva River Works. | |
| 11. Mutha Canal. | |
| 37. Gokák Canal—1st Section
and Storage Works. | |

CONSOLIDATED STATEMENT.

MAJOR WORKS—PROTECTIVE WORKS.

**WORKS FOR WHICH CAPITAL AND REVENUE
ACCOUNTS ARE KEPT.**

(DECCAN AND GUJARAT.)

DECCAN AND GUJARAT TRIENNIAL

Consolidated Statement for Major Works—Protective Works—

Items.	Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4	5
		Acres.	Acres.	Acres.
1	Area irrigated—Kharif	29,102	28,198	22,805
2	Do. Rabi	26,716	25,915	26,137
3	Do. Total	55,818	54,113	48,942
		Rs.	Rs.	Rs.
4	Capital outlay, direct and indirect, during the year.*	15,53,569	24,36,643	24,67,638
5	Do. do. to end of year.*	1,29,83,652	1,54,20,295	1,78,87,933
6	Revenue—Total (Assessment)	3,68,206	3,60,765	3,46,589
7	Total (Collection)	3,19,810	4,72,492	3,72,215
8	Deduct—(Refunds)	489	734	976
9	Working Expenses	1,09,153	1,16,802	1,18,656
10	Net Revenue based on Assessment	2,59,053	2,44,463	2,27,933
11	Do. on Collection	2,10,168	3,55,456	2,52,583
12	Percentage based on Capital	1·62	2·31	1·41
13	Gross assessed Revenue per acre irrigated .	6·60	6·67	7·08
14	Collection per acre irrigated	5·72	8·72	7·59
15	Working Expenses per acre irrigated	1·96	2·15	2·42

REPORT, 1908-1909 TO 1910-1911.

Works for which Capital and Revenue Accounts are kept.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
6	7	8	9	10
Acres.	Acres.	Acres.	Acres.	
26,701	23,811	22,641	24,781	
26,256	23,375	22,691	27,917	
52,957	47,183	45,332	52,698	
Rs.	Rs.	Rs.	Rs.	
21,52,616	5,94,283	1,64,427	2,00,798	*Including expenditure on Maladevi and Budhihal Tanks, for which detailed statements have not been prepared; these works are incomplete.
1,78,87,933	1,14,30,083	91,75,054	86,81,773	The figures in columns 6 to 9 relate to end of triennial period.
3,58,520	3,24,526	2,44,632	2,21,154	
3,88,172	3,07,437	2,26,496	1,93,702	
733	2,064	27	74	
1,14,704	1,03,570	82,467	69,161	
2,43,816	2,20,956	1,62,165	1,51,993	
2,72,735	2,01,603	1,44,002	1,24,467	
1.52	1.76	1.57	1.43	
6.77	6.88	5.39	4.20	
7.31	6.51	5.00	3.68	
2.16	2.19	1.82	1.32	

CONSOLIDATED STATEMENT.

MAJOR WORKS—PRODUCTIVE WORKS.

(DECCAN AND GUJARAT.)

DECCAN AND GUJARÁT TRIENNIAL

Consolidated Statement for Major

Items.	Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4	5
		Acres.	Acres.	Acres.
1	Area irrigated—Kharif	30,426	34,270	32,606
2	Do. Rabi	15,413	17,402	13,665
3	Do. Total	45,839	51,672	46,271
		Rs.	Rs.	Rs.
4	Capital outlay, direct and indirect, during the year.	1,21,398	{ *45,408 75,084 }	46,886
5	Do. do. to end of year.	1,26,91,345	1,28,11,837	1,28,58,723
6	Revenue—Total (Assessment)...	5,66,133	5,93,865	5,92,986
7	Total (Collection)	5,73,799	5,93,728	6,94,813
8	Deduct—(Refunds) ..	231	693	163
9	Working Expenses	1,98,165	2,08,001	2,20,758
10	Net Revenue based on Assessment ...	3,69,968	3,85,864	3,72,228
11	Do. on Collection	3,77,403	3,91,034	4,73,892
12	Percentage based on Capital	2·97	3·05	3·69
13	Gross assessed Revenue per acre irrigated...	12·35	11·49	12·82
14	Collection per acre irrigated	12·51	11·59	15·02
15	Working Expenses per acre irrigated ...	4·28	4·03	4·77

REPORT, 1908-1909 TO 1910-1911.

Works—Productive Works.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
6	7	8	9	10
Acres.	Acres.	Acres.	Acres.	
32,434	(a) 24,750	(a) 20,098	(a) 21,466	(a) Including figures in respect of Khāri Cut and Matoba Tank transferred from "Minor Works and Navigation—Works for which Capital and Revenue Accounts are kept."
15,493	11,490	8,383	8,303	
47,927	36,240	28,481	29,769	
Rs.	Rs.	Rs.	Rs.	
96,259	70,340	2,11,833	1,28,531	* Adjustment of previous expenditure.
1,28,58,723	1,25,69,947	1,23,58,927	1,17,23,427	The figures in columns 6 to 9 relate to end of triennial period.
5,84,328	5,10,569	4,36,040	4,06,356	
6,22,780	4,95,692	4,21,168	3,77,259	
362	591	606	1,164	
2,08,308	1,91,895	1,82,389	1,73,004	
3,76,020	3,18,674	2,53,651	2,33,352	
4,14,110	3,03,206	2,38,173	2,03,091	
3.22	2.41	1.93	1.73	
12.19	14.09	15.31	13.65	
12.99	13.66	14.77	12.63	
4.35	5.30	6.40	5.81	

CONSOLIDATED STATEMENT.

**MINOR WORKS AND NAVIGATION—WORKS FOR WHICH
CAPITAL AND REVENUE ACCOUNTS ARE KEPT.**

(BECCAN AND GUJARAT.)

DECCAN AND GUJARAT TRIENNIAL

Consolidated Statement for Minor Works and Navigation—

Items.	* Particulars.	1908-1909.	1909-10.	1910-11.
1	2	3	4	5
		Acres.	Acres.	Acres.
1	Area irrigated—Kharif	17,673	16,287	10,786
2	Do. Rabi	24,863	24,374	20,556
3	Do. Total	42,536	40,661	31,342
		Rs.	Rs.	Rs.
4	Capital outlay, direct and indirect, during the year†.	+20,544 1,11,125	*569 1,54,267	} 82,331
5	Do. do. to end of year†.	89,86,561	91,41,397	
6	Revenue—Total (Assessment) ...	1,64,675	1,68,286	1,55,794
7	Total (Collection)	1,75,155	1,84,528	1,85,517
8	Deduct—(Refunds)	715	156	159
9	Working Expenses	84,105	91,743	99,110
10	Net Revenue based on Assessment ...	80,570	76,543	56,684
11	Do. on Collection	90,335	92,629	86,248
12	Percentage based on Capital	1.01	1.01	0.93
13	Gross assessed Revenue per acre irrigated...	3.87	4.14	4.97
14	Collection per acre irrigated ..	4.10	4.53	5.91
15	Working Expenses per acre irrigated ...	1.98	2.26	3.16

REPORT, 1908-1909 TO 1910-1911.

Works for which Capital and Revenue Accounts are kept.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
6	7	8	9	10
Acres.	Acres.	Acres.	Acres.	(a) Excluding figures in respect of Khari Cut and Matoba Tank transferred to "Major Works—Productive." † Famine normal outlay and Land compensation charges in previous years adjusted. * Outlay incurred in previous year adjusted. The figures in columns 6 to 9 relate to end of triennial period. ‡ Including expenditure on Victoria Tank, Dharma Canal and Gokak Canal, 2nd Section, for which detailed statements have not been prepared; these works are incomplete.
14,915	(a) 16,523	(a) 19,382	(a) 19,464	
23,265	16,412	14,869	18,534	
38,180	32,935	33,751	37,998	
Rs.	Rs.	Rs.	Rs.	
1,22,948	1,26,172	3,27,376	53,862	
92,23,728	88,54,892	84,21,274	74,39,144	
1,62,919	1,40,921	1,18,653	1,17,056	
1,81,733	1,36,202	1,11,418	95,787	
843	764	250	44	
91,653	72,889	69,839	1,48,951	
71,266	68,032	48,814	—31,895	
89,737	62,549	41,329	—53,208	
0.97	0.70	0.43	0.72	
4.27	4.28	3.52	3.03	
4.75	4.11	3.29	2.52	
2.40	2.21	2.07	3.92	

CONSOLIDATED STATEMENT.

**MINOR WORKS AND NAVIGATION—WORKS FOR WHICH
ONLY REVENUE ACCOUNTS ARE KEPT.**

(DECCAN AND GUJARAT.)

DECCAN AND GUJARAT TRIENNIAL

Consolidated statement for Minor Works and

Items.	Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4	5
1	Number of works	1,358	1,358	1,352
		Acres.	Acres.	Acres.
2	Area irrigated	153,685	155,713	152,580
		Rs.	Rs.	Rs.
3	Total Revenue	4,95,850	5,11,834	5,53,790
4	Net Revenue	-5,477	83,250	1,06,635
	<i>Working Expenses.</i>			
5	Total working expenses	5,01,327	4,28,584	4,47,155

REPORT, 1908-1909 TO 1910-1911.

Navigation—Works for which only Revenue Accounts are kept.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
6	7	8	9	10
1,352	1,341	1,328	1,296	The figures in columns 6 to 9 relate to end of triennial period.
Acres.	Acres.	Acres.	Acres.	
153,993	145,946	143,350	131,372	
Rs.	Rs.	Rs.	Rs.	
5,20,492	4,49,366	5,08,238	5,53,072	
61,470	25,358	51,434	3,20,983	
4,59,022	4,24,008	4,56,804	2,32,089	

DECCAN AND GUJARAT TRIENNIAL REPORT, 1908-09 TO 1910-11.

Consolidated Statement for all classes of Irrigation Works.

	DURING THE YEAR.			AVERAGE FOR TRIENNIUM.			
	1908-1909.	1909-1910.	1910-1911.	1908-1909 to 1910-1911.	1905-1908 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.
<i>Works for which Capital and Revenue Accounts are kept.</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Capital outlay during the year	(a) 18,06,636	(b) 27,11,971	25,96,855	23,71,821	9,66,556	7,03,036	3,83,191
Do. do. to end of year	3,46,61,558	3,73,73,529	3,99,70,384	(d) 3,99,70,384	(d) 3,28,54,922	(d) 2,99,55,255	(d) 2,78,44,344
Gross Revenue	10,67,329	12,55,165	12,51,247	11,91,247	9,35,912	7,58,199	6,65,466
Working Expenses	3,89,423	4,16,046	4,38,524	4,14,665	3,68,355	3,34,695	3,91,116
Net Revenue	6,77,906	8,39,119	8,12,723	7,76,582	5,67,557	4,23,504	2,74,350
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
Area irrigated	144,193	146,446	126,555	139,064	116,362	107,564	120,465
<i>Works for which only Revenue Accounts are kept.</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Gross Revenue	4,95,850	5,11,834	5,53,700	5,20,492	4,40,366	5,08,238	5,53,072
Working Expenses	5,01,327	4,23,584	4,47,155	4,59,022	4,24,008	4,56,804	2,32,089
Net Revenue	-5,477	83,250	1,06,545	61,470	25,358	51,434	3,20,983
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
Area irrigated	163,685	155,713	152,560	153,993	145,946	143,350	131,372
<i>Works for which neither Capital nor Revenue Accounts are kept.</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Gross Revenue	6,686	6,949	8,999	7,545	2,371	1,499	1,785
Working Expenses	4,60,939	2,10,391	1,52,754	2,74,695	3,93,553	3,64,559	1,19,049
Net Revenue	-4,54,253	-2,03,442	-1,43,755	-2,67,150	-3,90,682	-3,63,060	-1,17,264
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
Area irrigated	(c) 782	(c) 1,373	(c) 1,014	1,056	285	99	.....
<i>Total.</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Gross Revenue	15,69,865	17,73,948	18,14,036	17,19,284	13,88,149	12,67,936	12,20,323
Working Expenses	13,51,689	10,55,021	10,38,433	11,48,382	11,85,916	11,56,058	7,42,254
Net Revenue	2,18,176	7,18,927	7,75,603	5,70,902	2,02,233	1,11,878	4,78,069
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
Area irrigated	298,660	303,532	280,149	294,113	262,593	251,013	251,837

(a) Including Rs. 20,544 adjusted on account of Famine outlay and Land compensation charges.

(b) Do. Rs. 45,408 and Rs. 569 adjusted on account of outlay in previous years.

(c) Irrigated from the Wadshiwna, Khamgaon, Talwada and Muvalia Tanks.

(d) These figures relate to end of triennial period.

MAJOR WORKS—PROTECTIVE WORKS.

—————
**WORKS FOR WHICH CAPITAL AND REVENUE
ACCOUNTS ARE KEPT.**

—————
(DECCAN AND GUJARAT.)

DECCAN AND GUJARAT TRIENNIAL

MAJOR WORKS—

Name of Work—Pravara River Works—Ojhar Right Bank Canal.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year	1,01,808	2,85,137	3,43,179
2. Capital outlay, direct and indirect, to end of year	1,04,866	3,90,003	7,33,132
3. Interest charges to end of year	1,832	9,973	28,497
4. Net Revenue do.	-461	-1,256
5. Total sum at charge do.	1,06,698	4,00,437	7,62,935
6. Revenue—Water-rate assessment	109	320
7. Miscellaneous receipts do.	125	665
8. Total (assessment)	234	985
9. Total (collection)	227	941
10. Refunds
11. Working expenses	688	1,736
12. Net Revenue based on assessment	-454	-751
13. Percentage based on Capital	0.12	0.10
14. Net Revenue based on collection	-461	-795
15. Percentage based on Capital	0.12	0.11
16. Gross assessed Revenue per acre irrigated...	1.07	6.27
17. Working expenses do.	3.15	11.06
18. Net assessed Revenue do.	2.08	4.79
19. Cost of measurement do.	Annas 2	Annas 6 and pies 8
20. Estimated value of crops irrigated	5,447	4,710
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage)
2. Do. (do. Irrigation)	15.87	29.37
	Acres.	Acres.	Acres.
3. Total culturable area under command	60,000	60,000
4. Area irrigated, Kharif	218	157
5. Do. Rabi
6. Do. Total	218	157
7. Area applied for (Total)	425	589
8. Percentage irrigated of total culturable area under command	0.36	0.26
9. Lowest supply reached during the year M. C. Ft.
10. Date on which supply was lowest per Item 9
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif...	7.08	17.71
{ Rabi.
12. Supply utilised do. { Kharif	4.18	10.80
{ Rabi
13. Duty per cubic foot per second. { Kharif	52.15	14.54
{ Rabi

General Remarks.—The Ojhar Right Bank Canal is without a storage reservoir and is at Dam is built. In 1910-11 the supply in the river was better than usual miles of the Canal were opened for irrigation. There will be increased

REPORT, 1908-1909 to 1910-1911.

PROTECTIVE WORKS.

Source of Supply—Pravara River—Ghát Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
2,43,375	1,019	.....	.....
7,33,182	3,058	.....	.....	} The figures in columns 5 and 6 relate to end of triennial period.
28,497	51	.....	.....
-1,256	
7,62,935	3,109	.....	.....
143	
283	
406	
339	
.....	
808	
-402	
0.05	
-419	
0.06	
3.25	
6.46	
3.21	
Annas 2 pies 9	
3,386	
Inches.	Inches.	Inches.	Inches.	
.....	
22.62	
Acres.	Acres.	Acres.	Acres.	
60,000	
125	
.....	
125	
338	
.....	
0.21	
.....	
.....	
12.40	
.....	
.....	
7.49	
.....	
.....	
33.35	
.....	

present dependent on the supply in the Pravara River and will be so until the Bhandardara but the applications were not brisk owing to the good and seasonable rainfall. Only 13 irrigation next year.

DECCAN AND GUJARAT TRIENNIAL

MAJOR WORKS—

Name of Work—Chankapur Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	1,75,394	1,66,310	82,017
2. Do. do. to end of year.	14,01,989	15,58,299	16,50,316
3. Interest charges to end of year ...	1,99,950	2,48,354	3,00,896
4. Net Revenue do.	-3,631	-5,913
5. Total sum at charge do. ...	16,01,939	18,20,284	19,57,125
6. Revenue—Water-rate assessment	4,784	4,126
7. Miscellaneous receipts do.	608	328
8. Total (assessment)	5,392	4,449
9. Total (collection)	1,378	4,826
10. Refunds
11. Working expenses	5,009	6,608
12. Net Revenue based on assessment	383	-2,159
13. Percentage based on Capital	0.02	0.13
14. Net Revenue based on collection	-3,631	-2,282
15. Percentage based on Capital	0.23	0.14
16. Gross assessed Revenue per acre irrigated	1.74	3.91
17. Working expenses do.	1.62	5.81
18. Net assessed Revenue do.	0.12	1.90
19. Cost of measurement do.	Pies 10	Anna 1 pies 10
20. Estimated value of crops irrigated	63,609	17,879
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage)
2. Do. (do. Irrigation)	9.89	27.86
	Acres.	Acres.	Acres.
3. Total culturable area under command	15,109	15,109
4. Area irrigated, Kharif	1,423	2
5. Do. Rabi	1,676	1,135
6. Do. Total	3,099	1,137
7. Area applied for (Total)	1,157
8. Percentage irrigated of total culturable area under command	20.51	7.53
9. Lowest supply reached during the year M. C. Ft.	0.38	Dry.
10. Date on which supply was lowest per Item 9	9th Mar. 1909	19th June 1910
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif	15.14	15.45
{ Rabi	24.65	27.41
12. Supply utilized do. { Kharif	6.47	4.10
{ Rabi	15.56	13.31
13. Duty per cubic foot per second. { Kharif	219.94	0.49
{ Rabi	107.84	85.35

General Remarks.—Water is given for irrigation under the Girna Left Bank Canal that of 1909-10 and was also timely and well distributed over the canal area. Consequently the area irrigated and

REPORT, 1908-1909 to 1910-1911.

PROTECTIVE WORKS.

Source of Supply—Girna River—Ghat Catchment.

Average for the triennium under report.	1905-06 to 1907-08.	1902-03 to 1904-05.	1899-1900 to 1901-02.	Remarks.	
5	6	7	8	9	
Rs.	Rs.	Rs.	Rs.		
1,41,240	2,88,046	84,256	4,834	} The figures in columns 5 to 8 relate to end of triennial period.	
16,50,316	12,26,595	3,62,458	1,09,689		
3,00,896	1,56,608	78,358	57,671		
-5,913		
19,57,125	13,83,201	4,30,271	1,63,200		
2,970		
311		
3,281		
1,902		
.....		
3,873		
-592		
0.04		
-1,971		
0.12		
2.32		
2.74		
0.42		
Pies 11		
29,163		
Inches.	Inches.	Inches.	Inches.		
.....		
18.83		
Acres.	Acres.	Acres.	Acres.		
15,109		
475		
937		
1,412		
386		
9.35		
.....		
.....		
15.30		
26.03		
5.29		
14.44		
110.22		
96.60		

which is fed by the tank since 1909-10. The rainfall in 1910-11 was nearly treble there was a smaller demand for Canal water than in 1909-10 which led to the decrease in water-rate assessment.

**DATA IMPORTANT IN THE MANAGEMENT OF THE TANK
SLUICES AND GATES.**

Chankapur Tank.

Year.	Depth above sill on the 1st of April.	Lowest depth reached before sluices were opened. Date of do.	Date of opening under-sluices.	Date of closing under-sluices.	Date of water reaching waste weir crest.	Date of water reaching full supply level.	Date when storage commenced to be drawn off.	Remarks.
1909	..	Sluice gates put in June and closed on 4th August 1909	..	..	Water did not reach crest of waste weir.	} Water was not stored up to F. S. L.	25th November 1909.	Under construction. Waste weir erected September 1911.
1910	...	1.30	0.10 5th May 1910.	5th May 1910.	16th July 1910.		16th September 1910.		15th December 1910.

DECCAN AND GUJARAT TRIENNIAL

MAJOR WORKS—

Name of Work—Godaveri Canal. Source of Supply—Godaveri

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year ...	12,71,651	19,85,517	20,42,402
2. Do. do. to end of year ...	21,26,014	41,11,531	61,53,933
3. Interest charges to end of year ...	65,938	1,68,067	3,33,891
4. Net Revenue do.	-401
5. Total sum at charge do. ...	21,91,952	42,79,598	64,88,225
6. Revenue—Water-rate assessment	10,186
7. Miscellaneous receipts do.
8. Total (assessment)	10,186
9. Total (collection)
10. Refunds
11. Working expenses	401
12. Net Revenue based on assessment	9,785
13. Percentage based on Capital	0.16
14. Net Revenue based on collection	-401
15. Percentage based on Capital	0.01
16. Gross assessed Revenue per acre irrigated.	3.98
17. Working expenses do.	0.16
18. Net assessed Revenue do.	3.82
19. Cost of measurement do.	Pies 7
20. Estimated value of crops irrigated	21,871
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage)	118.07
2. Do. (do Irrigation)	Not recorded.
	Acres.	Acres.	Acres.
3. Total culturable area under command	136,390
4. Area irrigated, Kharif	10
5. Do. Rabi	2,552
6. Do. Total	2,562
7. Area applied for (Total)	11,407
8. Percentage irrigated of total culturable area under command	1.88
9. Lowest supply reached during the year ... M. C. Ft.	6.75
10. Date on which supply was lowest per Item 9.	1st June 1910
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif	40
{ Rabi	40
12. Supply utilised do. { Kharif
{ Rabi
13. Duty per cubic foot per second... { Kharif
{ Rabi

General Remarks.—The Godaveri Right Bank Canal is fed by the storage reservoir built weir built below its junction with the Kadwa. The first 27 miles of the Canal were brought free during the kharif season but there was not much demand owing to good and timely

REPORT, 1908-1909 to 1910-1911.

PROTECTIVE WORKS.

River and storage on Darna Tributary-Ghat Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
17,66,523	2,84,788	.....	.....	} The figures in columns 5 and 6 relate to end of triennial period.
61,53,933	8,54,363	.....	.....
3,33,891	16,677	.....	.....
-401	
64,88,225	8,71,040	.....	.....
3,396	
.....	
3,396	
.....	
.....	
134	
3,262	
0.05	
-134	
0.00	
3.98	
0.16	
3.82	
.....	
7,290	
Inches.	Inches.	Inches.	Inches.	At Igatpuri.
.....	
.....	
Acres.	Acres.	Acres.	Acres.	
136,390	
3	
851	
854	
3,802	
.....	
.....	
.....	
.....	
.....	
.....	
.....	
.....	
.....	
.....	*Being the first year, complete information is not available.
.....	
.....	

on the River Darna near Igatpuri, in addition to the supply received from the Godaveri at a into operation. There was an ample supply of water throughout the year. Water was given rainfall. 2,552 acres of rabi were however given out on 6 years leases.

**DATA IMPORTANT IN THE MANAGEMENT OF THE TANK
SLUICES AND GATES.**

Darna Storage.

Year.	Depth above sill on the 1st of April.	Lowest depth reached before sluices were opened. Date of do.	Date of opening under-sluices.	Date of closing under-sluices.	Date of water reaching waste weir crest.	Date of water reaching full supply level.	Date when storage commenced to be drawn off.	Remarks.
1st January 1910 to 31st December 1910.	Sill level R. L. 1810'00. Depth Nil.	Depth above sill 1'25 feet on 22nd June 1910.	23rd June 1910.	Floods had to be passed through the sluices from time to time all through the monsoon. Sluices finally closed on 17th October 1910.	Waste Weir crest is R. L. 1865 whilst the dam was only completed upto R. L. 1848.	Dam not complete. There was a slight replenishment of 4" on 10th November 1910 and highest level stored was on 14th November 1910. (i.e., R. L. 1848'89.)	None was drawn off before 31st December 1910.	The work is under construction.

**DATA IMPORTANT IN THE MANAGEMENT OF THE TANK
SLUICES AND GATES.**

Darna Storage.

Year.	Depth above sill on the 1st of April.	Lowest depth reached before sluices were opened. Date of do.	Date of opening under-sluices.	Date of closing under-sluices.	Date of water reaching waste weir crest.	Date of water reaching full supply level.	Date when storage commenced to be drawn off.	Remarks.
1st January 1910 to 31st December 1910.	Sill level R. L. 1810'00, Depth Nil.	Depth above sill 1'25 feet on 22nd June 1910.	23rd June 1910.	Floods had to be passed through the sluices from time to time all through the monsoon. Sluices finally closed on 17th October 1910.	Waste Weir crest is R. L. 1865 whilst the dam was only completed upto R. L. 1848.	Dam not complete. There was a slight replenishment of 4" on 10th November 1910 and highest level stored was on 14th November 1910. (i.e., R. L. 1848'39.)	None was drawn off before 31st December 1910.	The work is under construction.

DECCAN AND GUJARAT TRIENNIAL

MAJOR WORKS—

Name of Work—Nira Canal including Shetphal Tank.
Yelwandi River—

Particulars.	1905-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year...	4,649	56	.....
2. Do. do. to end of year...	64,33,873	64,33,934	64,33,934
3. Interest charges to end of year ...	52,78,216	54,82,053	56,87,043
4. Net Revenue do. ...	17,85,918	20,92,609	23,17,769
5. Total sum at charge do. ...	99,26,176	99,26,232	98,23,373
6. Revenue—Water-rate Assessment ...	3,12,156	3,15,446	2,85,198
7. Miscellaneous receipts do. ...	10,413	5,726	4,776
8. Total (Assessment) ...	3,22,569	3,21,172	2,89,974
9. Total (Collection) ...	2,95,182	4,01,118	3,20,318
10. Refunds ...	489	734	976
11. Working expenses ...	92,962	93,693	94,182
12. Net Revenue based on Assessment ...	2,29,607	2,27,479	1,95,792
13. Percentage based on Capital... ..	3.57	3.54	3.04
14. Net Revenue based on Collection ...	2,01,731	3,06,691	2,25,160
15. Percentage based on Capital ..	3.14	4.77	3.49
16. Gross assessed Revenue per acre irrigated...	7.08	7.27	7.64
17. Working expenses do. ...	2.04	2.12	2.48
18. Net assessed Revenue do. ...	5.04	5.15	5.16
19. Cost of measurement do. ...	Pies 5	Pies 5	Pies 5
20. Estimated value of crops irrigated ...	35,18,030	43,42,298	41,36,020
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	.....	.....	.....
2. Do. (do. Irrigation) (a) ...	18.20	15.26	22.58
	Acres.	Acres.	Acres.
3. Total culturable area under command (b) ...	227,670	227,670	227,670
4. Area irrigated, Kharif ...	25,279	23,471	18,789
5. Do. Rabi ...	20,254	20,667	19,173
6. Do. Total ...	45,533	44,138	37,962
7. Area applied for (Total) ...	47,675	Not available.	Not available.
8. Percentage irrigated of total culturable area under command ...	20.00	19.39	16.67
9. Lowest supply reached during the year M. C. Ft. (d) ...	439	490	402
10. Date on which supply was lowest per Item 9	13th June 1903.	29th May 1909.	15th June 1910.
<i>Nira Canal.</i>			
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	228	240	227
12. Supply utilised do. ...	263	259	288
13. Duty per cubic foot per second. ...	212	206	183
	266	259	272
	112	105.41	95
	122	132	115
<i>Shetphal Tank.</i>			
11A. Supply entering the Canal at head, average discharge in cubic feet per second ...	10	16	15
12A. Supply utilised do. ...	17	18	22
	10	16	15
	17	18	22
13A. Duty per cubic foot per second ...	146	109.75	93
	117	83	87

General Remarks.—The canal continued to maintain a large area of sugarcane during torily during the triennium. The fall in the area of sugarcane in the last year of the under the Shetphal Tank in the last year of the triennium is due to regular and timely

REPORT, 1908-1909 to 1910-1911.

PROTECTIVE WORKS.

Source of Supply—River Nira and Reservoir at Bhatghar supplied from Ghat Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
1,568	7,671	61,514	1,23,565	} The figures in columns 5 to 8 relate to end of triennial period.
64,33,034	64,29,229	64,06,216	62,21,675	
56,87,043	50,72,878	44,16,908	36,99,931	
23,17,769	15,84,187	9,85,952	5,72,283	
98,23,378	1,00,69,210	96,47,333	92,87,360	
3,04,267	2,84,501	2,23,362	1,89,167	
6,971	7,075	2,486	1,872	
3,11,238	2,91,576	2,25,848	1,91,039	
3,38,872	2,91,669	2,08,750	1,70,041	
733	2,064	27	74	
93,612	90,193	68,833	57,680	
2,17,626	2,01,383	1,57,015	1,33,359	
3-38	3-13	2-45	2-14	
2,44,527	1,99,412	1,37,890	1,12,287	
3-80	3-10	2-31	1-80	
7-32	7-27	5-70	4-39	
2-20	2-25	1-74	1-33	
5-12	5-02	3-96	3-06	
Pies 5	Pies 6	Pies 7	Pies 10	
39,97,136	37,31,841	38,93,564	33,17,701	
Inches.	Inches.	Inches.	Inches.	
.....	41-79	38-71	(a) Rainfall, Shetphal Tank, Inches.
18-68	16-19	17-10	12-76	
.....	
.....	
Acres.	Acres.	Acres.	Acres.	
227,670	227,670	227,670	227,670	(b) Includes 25,000 acres commanded by the Shetphal Tank.
22,513	22,489	19,309	19,875	
20,031	17,615	20,328	23,564	
42,544	40,104	39,637	43,439	
(c) 47,675	42,443	41,782	42,636	(c) For 1908-09 only.
13-69	15-87	15-69	19-08	
444	(d) Shetphal Tank-- M.C. Ft.
.....	
.....	
.....	
235	219-00	231-00	183-00	
271	269-00	262-00	274-00	
200	190-00	198-00	171-00	
266	261-00	250-00	274-00	
104	109-00	82-00	103-93	
123	106-00	99-00	112-17	
14	12-23	
19	17-33	
14	12-23	
19	17-33	
116	141-66	
98	108-66	

the triennium. The Block system introduced on this canal in 1905 has worked satisfactorily. The decrease in the irrigated area was due to the smaller area of Adsali crop. The decrease in the irrigated area during both the monsoon and rabi seasons and consequent slack demand for water.

DATA IMPORTANT IN THE MANAGEMENT OF THE TANK SLUICES AND GATES.

Lake Whiting.

Year.	Depth above sill on the 1st of April.	Lowest depth reached before sluices were opened.	Date of lowest depth reached before sluices were opened.	Date of opening under-sluices.	Date of closing under-sluices.	Date of water reaching waste weir crest.	Date of water reaching full supply level.	Date when storage commenced to be drawn off.	Remarks.
1891	...	...	.....	.....	13th August 1891.	3rd September 1891.	.....	76.25	.....
1892	...	...	.....	.....	14th August 1892.	1st September 1892.	.....	79.58	.....
1893	...	...	.....	.....	12th August 1893.	.....	.....	78.60	.....
1894	...	...	.....	.....	11th August 1894.	19th August 1894.	27th October 1894.	78.00	.....
1895	53.90	...	.....	15th and 16th June 1895.	14th August 1895.	8th September 1895.	13th November 1895.	79.52	25th October 1895.
1896	62.13	...	.....	.....	10th August 1896.	15th August 1896.	20th September 1896.	82.05	20th September 1896.
1897	49.80	...	.....	18th June 1897.	12th August 1897.	19th August 1897.	15th October 1897.	82.76	18th November 1897.
1898	58.95	48.75	24th May 1898.	2nd June 1898.	10th August 1898.	25th August 1898.	21st October 1898.	82.95	25th October 1898.
1899	61.05	49.30	8th June 1899.	6th June 1899.	30th July 1899.	Not overflowed.	9th October 1899.	74.50	9th October 1899.
1900	52.15	32.30	25th June 1900.	3rd July 1900.	20th July 1900.	1st August 1900.	24th September 1900, 22nd October 1900.	82.35 81.90	23rd October 1900.
1901	55.47	41.40	7th June 1901.	20th June 1901.	16th July 1901.	26th July 1901.	17th September 1901, 8th October 1901.	82.45 81.95	8th October 1901.
1902	54.00	38.65	6th June 1902.	9th July 1902.	15th July 1902.	17th July 1902...	7th October 1902.	83.00	18th November 1902.
1903	65.72	54.78	21st May 1903.	9th June 1903.	25th July 1903.	31st July 1903...	1st October 1903.	83.00	31st October 1903.
1904	61.08	45.00	12th June 1904.	16th June 1904.	14th July 1904.	2nd August 1904.	24th October 1904.	83.00	10th November 1904.
1905	60.56	44.00	30th June 1905.	4th July 1905.	19th July 1905.	24th July 1905.	26th September 1905.	83.00	4th October 1905.
1906	54.83	37.20	6th June 1906.	13th June 1906.	14th July 1906.	23rd July 1906.	20th September 1906.	83.00	22nd October 1906.
1907	58.40	44.20	12th June 1907.	18th June 1907.	21st July 1907.	24th July 1907.	13th September 1907.	83.00	15th October 1907.
1908	56.60	41.30	9th June 1908.	20th June 1908.	16th July 1908.	24th July 1908.	20th September 1908.	83.00	16th October 1908.
1909	57.30	43.40	2nd June 1909.	13th June 1909.	11th July 1909.	15th July 1909.	3rd October 1909.	83.00	21st October 1909.
1910	57.80	39.60	15th June 1910.	22nd June 1910.	7th July 1910.	8rd August 1910.	10th October 1910.	83.00	26th November 1910.
1911	61.30	46.60	10th June 1911.	11th June 1911.	10th July 1911.	25th July 1911.	4th October 1911.	82.45	4th October 1911.

Information given for these years is not reliable.

N. B.—Columns left blank where information is not available.

DECCAN AND GUJARAT TRIENNIAL

MAJOR WORKS—

Name of Work—Mhaswad Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year ...	.....	.....	.....
2. Do. do. to end of year.	20,96,016	20,96,016	20,96,016
3. Interest charges to end of year ...	20,50,189	21,17,535	21,85,263
4. Net Revenue do. ...	41,050	98,907	1,24,808
5. Total sum at charge do. ...	41,05,155	41,19,644	41,56,471
6. Revenue—Water-rate assessment ...	44,765	28,878	31,870
7. Miscellaneous receipts do. ...	872	5,089	9,125
8. Total (assessment) ...	45,637	33,967	40,995
9. Total (collection) ...	24,628	69,769	46,630
10. Refunds ...	.....	.....	.....
11. Working expenses ...	16,191	16,912	15,729
12. Net Revenue based on assessment ...	29,446	17,055	25,266
13. Percentage based on Capital ...	1.40	0.81	1.21
14. Net Revenue based on collection ...	8,437	52,857	30,901
15. Percentage based on Capital ...	0.40	2.52	1.47
16. Gross assessed Revenue per acre irrigated...	4.43	5.10	5.75
17. Working expenses do. ...	1.57	2.54	2.21
18. Net assessed Revenue do. ...	2.86	2.56	3.54
19. Cost of measurement do. ...	pies 6	pies 11	pies 5
20. Estimated value of crops irrigated ...	2,09,751	2,76,170	3,50,268
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	18.26	20.08	26.34
2. Do. (do. Irrigation) ...	18.27	20.08	26.34
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	106,214	106,214	106,214
4. Area irrigated, Kharif ...	3,823	3,086	3,847
5. Do. Rabi ...	6,462	3,572	3,277
6. Do. Total ...	10,285	6,658	7,124
7. Area applied for (Total) ...	17,189	8,722	7,234
8. Percentage irrigated of total culturable area under command ...	9.68	6.27	6.71
9. Lowest supply reached during the year ...	41.61	704.54	667
10. Date on which supply was lowest per Item 9.	3rd Sept. 08	27th May 09	19th June 10
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	29.25	41.51	38.84
	96.85	95.26	68.61
12. Supply utilised do. ...	27.59	41.50	36.00
	96.35	95.23	68.60
13. Duty per cubic foot per second .	138.56	74.36	106.86
	92.81	64.92	93.78

General Remarks.—A tank that has seldom failed. Has an extensive catchment though

REPORT, 1908-1909 To 1910-1911.

PROTECTIVE WORKS.

Source of Supply—Mán River and Rainfall—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-05.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	1,528	2,788	2,805	} The figures in columns 5 to 8 relate to end of triennial period.
20,96,016	20,96,016	20,91,430	20,83,065	
21,85,263	19,82,321	17,64,870	15,25,156	
1,24,808	82,613	25,439	7,103	
41,56,471	40,45,724	37,53,648	35,34,112	
35,171	29,019	16,704	24,391	
5,028	3,931	2,080	5,724	
40,199	32,950	18,784	30,115	
47,009	15,788	19,746	23,661	
.....	
16,277	13,377	13,634	11,481	
23,922	19,573	5,150	18,634	
1.14	0.98	0.25	0.89	
30,732	2,391	6,112	12,180	
1.47	0.11	0.29	0.59	
5.01	4.65	3.30	3.25	
2.03	1.89	2.39	1.24	
2.98	2.76	0.91	2.01	
pies 7	pies 5	pies 4	pies 9	
2,88,730	3,22,826	1,07,357	2,37,781	
Inches.	Inches.	Inches.	Inches.	
21.56	.....	15.00	11.12	
21.56	12.12	19.03	8.79	
Acres.	Acres.	Acres.	Acres.	
106,214	106,214	106,214	106,214	
3,585	1,322	3,332	4,906	
4,437	5,760	2,364	4,353	
8,022	7,082	5,696	9,259	
11,048	7,198	5,026	7,708	
7.55	6.67	5.36	8.72	
471.05	.....	.....	.. ..
.....	
36.53	24.92	36.68	45.21	
86.74	80.71	71.64	89.17	
35.03	23.96	36.68	44.44	
86.73	79.46	71.64	89.17	
106.59	54.31	96.64	115.07	
83.84	85.41	45.57	55.24	

not of abundant rainfall. Irrigates a tract of country that is very liable to drought.

MAJOR WORKS—PROTECTIVE WORKS.

—
**WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE
ACCOUNTS ARE KEPT.**

—
(DECCAN AND GUJARAT.)

DECCAN AND GUJARAT TRIENNIAL
 CONSTRUCTION OF PROTECTIVE IRRIGATION WORKS—WORKS FOR
Surveys and Investigations

Items.	Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4	5
		Rs.	Rs.	Rs.
1	Revenue ... ..	.....	.....	.....
	<i>• Expenditure.</i>			
2	Works	62,471	45,245	37,145
3	Establishment	{ *2,536 2,23,043	{ *3,809 88,942	} 12,107
4	Tools and Plant	7,925	-11,010	-5,261
5	Suspense Account	-1,845	.....	.....
	Total ...	2,94,130	1,26,986	43,991

REPORT, 1908-1909 to 1910-1911.

WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.

of Protective Works.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
6	7	8	9	10
Rs.	Rs.	Rs.	Rs.	
.....	
48,287	67,299	43,563	.....
1,10,146	1,94,488	1,37,054	.....	* Accounted for in the accounts of the Indus River Commis- sion.
-2,782	22,128	21,054	.....
-615	615	.....	.....
1,55,036	2,84,530	2,01,671	.....

MAJOR WORKS—PRODUCTIVE WORKS.

(DECCAN AND GUJARAT.)

DECCAN AND GUJARAT TRIENNIAL

MAJOR WORKS—

Name of Work—*Hathmati Canal and Khari Cut.* Source of Supply—*Reservoir—Forest*

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year. } 2. Do. do. to end of year. }	—39,459	{ *45,408 14,980 }	30,997
3. Interest charges to end of year ...	11,00,068	11,60,456	11,91,458
4. Net Revenue do. ...	9,96,161	†7,36,419	†7,73,803
5. Total sum at charge do. ...	—44,458	634	86,352
6. Revenue—Water-rate assessment ...	21,73,998	19,04,907	19,27,238
7. Miscellaneous receipts do. ...	71,189	96,504	1,01,887
8. Total (assessment) ...	3,337	3,584	4,218
9. Total (collection) ...	74,506	1,00,098	1,06,105
10. Refunds ...	58,055	81,135	1,32,311
11. Working expenses ...	.....	33	—33
12. Net Revenue based on assessment ...	29,625	36,010	46,626
13. Percentage based on Capital ...	44,581	64,073	59,479
14. Net Revenue based on collection ...	4,08	5,53	4,99
15. Percentage based on Capital ...	58,430	45,092	85,718
16. Gross assessed Revenue per acre irrigated ...	6,31	9,89	7,19
17. Working expenses do. ...	4,41	4,67	4,89
18. Net assessed Revenue do. ...	1,75	1,68	2,15
19. Cost of measurement do. † ...	2,66	2,99	2,74
20. Estimated value of crops irrigated ...	7,71,448	8,97,330	9,30,726
HATHMATI CANAL.			
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	51.29	37.02	37.43
2. Do. (do. Irrigation) ...	39.96	40.33	32.33
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	28,840	28,840	28,840
4. Area irrigated, Kharif ...	2,267	2,676	2,359
5. Do. Rabi ...	6,108	6,190	5,912
6. Do. Total ...	8,375	8,866	8,271
7. Area applied for (Total) ...	6,405	7,504	6,932
8. Percentage irrigated of total culturable area under command ...	29.04	30.74	28.68
9. Lowest supply reached during the year. M. C. Ft. ....	.....	.....	.....
10. Date on which supply was lowest per Item 9 ...	.....	.....	.....
11. Supply entering the Canal at head, Kharif ...	139	183	177
average discharge in cubic feet per second ...	{ Rabi ... Kharif ...	{ 100 61	{ 98 55
12. Supply utilised do. ...	{ 121 26	{ 50 54	{ 74 74
13. Duty per cubic foot per second ...	{ 87.19 113.11	{ 43.87 123.60	{ 43 80
KHARI CUT.			
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	33.62	32.98	29.27
2. Do. (do. Irrigation) ...	32.47	31.33	24.27
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	11,560	11,500	11,500
4. Area irrigated, Kharif ...	7,672	11,448	13,263
5. Do. Rabi ...	853	1,084	152
6. Do. Total ...	8,525	12,532	13,415
7. Area applied for (Total) ...	7,316	10,369	10,454
8. Percentage irrigated of total culturable area under command ...	74.30	108.97	116.65
9. Lowest supply reached during the year. M. C. Ft. ....	.....	.....	.....
10. Date on which supply was lowest per Item 9 ...	.....	.....	.....
11. Supply entering the Canal at head, Kharif ...	124	120	155
average discharge in cubic feet per second ...	{ Rabi ... Kharif ...	{ 83 120	{ 15 155
12. Supply utilised do. ...	{ 59 124	{ 83 120	{ 15 155
13. Duty per cubic foot per second ...	{ 61.87 14.46	{ 94 83	{ 85.60 10.10

General Remarks.—The accounts of both these

REPORT, 1908-1909 TO 1910-1911.

PRODUCTIVE WORKS.

Hathmati River, Khari River and the Small Tank called the Bokh Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
17,309	1,512	49,618	94,045	
11,91,453	11,39,527	11,94,992	9,86,139	} The figures in columns 5 to 8 relate to end of triennial period.
7,73,803	9,60,245	8,44,888	7,23,547	
86,352	-1,02,888	-48,737	-13,062	} * Adjustment of previous expenditure.
19,27,238	22,02,660	19,74,999	16,71,098	
89,853	26,251	4,072	672	† The Hathmati and Khari Cut Canals were amalgamated in 1909-10, and therefore the interest charges shown in the Administrative Accounts are entered here; they exclude the interest charges to end of 1908-1909 in respect of the Khari Cut Canal.
3,713	3,212	1,785	1,335	
93,566	29,463	5,807	2,007	‡ No special establishment was engaged for measurement of irrigated areas.
1,00,500	10,072	4,301	4,272	
.....	35	.....	15	
37,420	23,088	16,193	14,088	
56,146	1,375	-10,386	-12,079	
471	0.12	0.90	1.22	
63,080	-18,051	-11,892	-9,829	
5.29	1.58	1.05	1.00	
4.68	4.48	3.02	1.47	
1.87	4.27	8.43	10.32	
2.81	0.21	5.41	8.85	
.....	
8,66,501	3,06,135	42,110	8,508	
Inches.	Inches.	Inches.	Inches.	
41.91	40.67	.....	Not available ...	} Rainfall gauged at Ahmednagar at the head of the Canal.
37.54	39.55	22.02	15.50	
Acres.	Acres.	Acres.	Acres.	
28,840	28,840	28,840	28,840	
2,434	717	117	518	
6,070	2,418	427	159	
3,504	3,135	544	677	
6,964	2,937	771	803	
29.49	10.87	1.89	2.34	} Weir project.
.....	
.....	
166.33	66.90	23.35	53.92	
106.33	44.33	11.00	6.83	
47.33	17.67	16.59	23.96	
59.33	20.83	5.50	3.41	
58.02	37.73	11.63	7.08	
105.40	132.70	106.87	8.77	
Inches.	Inches.	Inches.	Inches.	
31.96	35.00	.....	.....	} Gauged at Raipur at the head of the Canal.
29.36	33.67	18.13	13.18	
Acres.	Acres.	Acres.	Acres.	
11,500	11,500	11,500	11,500	
10,794	3,335	1,264	687	
696	112	112	1	
11,490	3,447	1,376	688	
9,380	3,454	1,530	1,006	
99.91	29.98	11.97	5.98	} Weir project.
.....	
.....	
133	38.38	.....	7.01	
35.67	10.25	.....	.....
133	38.38	.....	4.36	
35.67	10.25	.....	0.34	
80.49	106.28	.....	33.04	
19.19	29.93	.....	.....

works were combined in 1909-1910.

DECCAN AND GUJARAT TRIENNIAL

MAJOR WORKS—

Name of Work—Lower Panjhra River Works

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	.....	.....	.....
2. Do. do. to end of year.	4,68,621	4,68,621	4,68,621
3. Interest charges to end of year ...	6,59,986	6,74,942	6,89,983
4. Net Revenue do. ...	2,44,222	2,47,442	2,58,737
5. Total sum at charge do. ...	8,84,385	8,96,121	8,99,867
6. Revenue—Water-rate assessment* ...	12,387	13,564	13,231
7. Miscellaneous receipts do. ...	993	692	1,184
8. Total (assessment) ...	13,380	14,256	14,415
9. Total (collection) *... ..	12,129	11,379	16,046
10. Refunds ... ..	.....	8	194
11. Working expenses	6,626	8,151	4,557
12. Net Revenue based on assessment	6,754	6,105	9,858
13. Percentage based on Capital	1.44	1.30	2.10
14. Net Revenue based on collection	5,503	3,220	11,295
15. Percentage based on Capital	1.17	0.69	2.41
16. Gross assessed Revenue per acre irrigated... ..	6.18	5.67	6.25
17. Working expenses do.	3.06	3.24	1.97
18. Net assessed Revenue do.	3.12	2.43	4.28
19. Cost of measurement do.	Pies 8	Pies 6	Pies 9
20. Estimated value of crops irrigated	22,116	42,968	60,091
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ... ..	.....	.....	.....
2. Do. (do. Irrigation)	8.37	18.52	29.23
	Acres.	Acres.	Acres.
3. Total culturable area under command	12,627	12,627	12,627
4. Area irrigated, Kharif	2,091	1,629	1,502
5. Do. Rabi	74	887	806
6. Do. Total	2,165	2,516	2,308
7. Area applied for (Total)	†334	†714	†508
8. Percentage irrigated of total culturable area under command	17.15	19.93	18.28
9. Lowest supply reached during the year M. C. Ft.	Dry.	Dry.	Dry.
10. Date on which supply was lowest per Item 9	14th June 1908.	2nd April 1909.	20th May 1910.
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif... ..	1.69	1.95	3.21
{ Rabi	3.75	10.01	9.23
12. Supply utilised do. { Kharif... ..	1.69	1.95	3.21
{ Rabi	3.75	10.01	9.23
13. Duty per cubic foot per second. { Kharif... ..	1,237.28	835.38	467.91
{ Rabi	195.20	158.99	136.72

General Remarks.—1908-09 was a year of short supply; for three consecutive

REPORT, 1908-1909 TO 1910-1911.

PRODUCTIVE WORKS.

Source of Supply—Local Streams.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	.....	.....	2	
4,68,621	4,68,621	4,68,621	4,68,621	} The figures in columns 5 to 8 relate to end of triennial period. * Including Irrigation share of Land Revenue.
6,89,983	6,44,914	5,96,594	5,43,149	
2,58,737	2,38,719	2,22,184	1,99,227	
8,99,867	8,74,816	8,29,260	8,04,003	
12,061	13,688	15,868	15,576	
956	840	482	386	
14,017	14,528	16,350	15,962	
13,185	14,573	16,494	16,098	
67	.....	.....	.....
6,445	9,061	8,842	6,965	
7,572	5,467	7,508	8,997	
1-62	1-17	1-60	1-92	
6,673	5,512	7,652	9,133	
1-42	1-18	1-63	1-94	
6-02	5-88	6-41	6-42	
2-77	3-67	3-47	2-80	
3-25	2-21	2-94	3-62	
Pies 8	Pies 6	Pies 5	Pies 6	
41,725	45,867	44,929	25,226	
Inches.	Inches.	Inches.	Inches.	
.....	
18-92	18-78	20-74	12-42	
Acres.	Acres.	Acres.	Acres.	
12,627	12,627	12,627	12,627	
1,741	1,614	1,307	1,524	
589	854	1,242	961	
2,330	2,468	2,549	2,485	
519	676	784	691	
18-45	19-54	20-19	19-68	† Applications for dry-crop land only.
.....	
.....	
2-28	3-78	9-41	7-05	
7-66	8-29	10-45	12-75	
2-28	3-78	9-41	7-05	
7-66	8-29	10-45	12-75	
846-86	853-57	152-81	113-58	
163-63	140-21	186-24	141-83	

years full supply was not obtained. In 1910-11 the tank filled.

**DATA IMPORTANT IN THE MANAGEMENT OF THE TANK
SLUICES AND GATES.**

Mukti Tank.

Year.	Depth above sill on the 1st of April.	Lowest depth reached before sluices were opened. Date of do.	Date of opening under-slucices.	Date of closing under-slucices.	Date of water reaching waste weir crest.	Date of water reaching full supply level.	Date when storage commenced to be drawn off.	Remarks.
1891-92 ...	30.6	No Sluices.	No Sluices.	No Sluices.	2nd September...	2nd September...	1st November 1891.	Normal rain.
1892-93 ...	32.55				17th September .	17th September .	28th April 1893 .	Do.
1893-94 ...	38.07				Not reached ...	Not reached ...	13th November 1893.	Only filled $\frac{1}{2}$ capacity.
1894-95 ...	35.36				Do. ...	Do. ...	25th April 1895 .	Do. $\frac{1}{2}$ do.
1895-96 ...	35.90				15th September 1895.	15th September 1895.	27th November 1895.	Normal rain.
1896-97 ...	36.6				25th July 1896...	25th July 1896...	8th November 1897.	Exceptional July rain filled tank
1897-98 ...	35.5				29th August 1897.	29th August 1897.	24th April 1898 .	Normal rain.
1898-99 ...	36.9				11th September 1898.	11th September 1898.	6th April 1899 .	Do.
1899-1900 ...	36.4				Not reached ...	Not reached ...	9th July 1899 ...	No replenishment.
1900-01 ...	7.10				Do. ...	Do. ...	11th November 1900.	Only filled $\frac{1}{4}$ capacity.
1901-02 ...	20.15				Do. ...	Do. ...	9th October 1901.	Do. $\frac{1}{2}$ do.
1902-03 ...	18.19				Do. ...	Do. ...	1st December 1902.	Do. $\frac{1}{2}$ do.
1903-04 ...	27.45				Do. ...	Do. ...	10th November 1903.	Do. $\frac{1}{2}$ do.
1904-05 ...	19.4				Do. ...	Do. ...	18th November 1904.	Do. $\frac{1}{2}$ do.
1905-06 ...	27.69				Do. ...	Do. ...	20th October 1905.	Do. $\frac{1}{2}$ do.
1906-07 ...	13.66				19th July 1906...	19th July 1906...	2nd November 1906.	Normal rain.
1907-08 ...	31.75				Not ...	Not ...	24th October 1907.	Only filled $\frac{1}{2}$ capacity.
1908-09 ...	18.08				Not reached ...	Not reached ...	28th October 1908.	Do. $\frac{1}{2}$ do.
1909-10 ...	7.33				Do. ...	Do. ...	7th November 1909.	Do. $\frac{1}{2}$ do.
1910-11 ...	18.21				22nd August 1911.	22nd August 1911.	11th December 1910.	Normal rain.

DECCAN AND GUJARAT TRIENNIAL

MAJOR WORKS—

Name of Work—Kadwa River Works comprising Waghad Tank and Banganga Rivers and Waghad Tank Canals

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	15,993	4,695	512
2. Do. do. to end of year.	10,05,718	10,10,413	10,10,925
3. Interest charges to end of year ...	8,45,397	8,77,975	9,10,790
4. Net Revenue do. ...	11,185	20,732	30,143
5. Total sum at charge do. ...	18,39,930	18,67,656	18,91,573
6. Revenue—Water-rate assessment* ...	20,456	20,221	17,218
7. Miscellaneous receipts do. ...	746	441	732
8. Total (assessment) ...	21,202	20,662	17,950
9. Total (collection)* ...	18,331	20,549	30,920
10. Refunds ...	.....	.....	.....
11. Working expenses ...	10,820	11,002	21,510
12. Net Revenue based on assessment ...	10,382	9,600	-3,560
13. Percentage based on Capital ...	1.03	0.96	0.35
14. Net Revenue based on collection ...	7,511	9,547	9,410
15. Percentage based on Capital ...	0.75	0.94	0.93
16. Gross assessed Revenue per acre irrigated ...	6.10	6.27	6.45
17. Working expenses do. ...	3.11	3.34	7.72
18. Net assessed Revenue do. ...	2.99	2.93	1.27
19. Cost of measurement do. ...	anna 1 pies 5	anna 1 pies 4	anna 1 pies 4
20. Estimated value of crops irrigated ...	1,81,048	1,19,832	1,18,064
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	40.99	36.88	41.58
2. Do. (do. irrigation) ...	10.48	20.18	27.63
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	36,430	36,430	36,430
4. Area irrigated, Kharif ...	1,931	1,581	635
5. Do. Rabi ...	1,543	1,712	2,150
6. Do. Total ...	3,474	3,293	2,785
7. Area applied for (Total) ...	3,677	3,525	2,988
8. Percentage irrigated of total culturable area under command ...	9.54	9.04	7.64
9. Lowest supply reached during the year. M. C. Ft. ...	80.00	12.66	84.27
10. Date on which supply was lowest per Item 9 ...	31st March 1909	11th June 1909	27th June 1910
<i>Wadali Canal.</i>			
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif... Rabi ...	5.58 7.60	3.18 7.20	4.24 7.19
12. Supply utilised do. { Kharif... Rabi ...	5.58 7.60	3.18 7.20	4.24 7.19
13. Duty per cubic foot per second { Kharif... Rabi ...	79.75 91.18 3.37	64.15 65.69 4.81	22.64 49.93 1.55
<i>Ojhar Tambat Canal.</i>			
11A. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif... Rabi ...	6.86	6.57	6.51
12A. Supply utilised do. { Kharif... Rabi ...	3.37 6.86	4.81 6.57	1.55 6.51
13A. Duty per cubic foot per second { Kharif... Rabi ...	119.88 79.88 24.86	52.81 94.98 22.68	60.65 84.49 8.37
<i>Palkhed Canal.</i>			
11B. Supply entering the Canal at head, average discharge in cubic feet per second { Kharif... Rabi ...	36.38	26.79	20.56
12B. Supply utilised do. { Kharif... Rabi ...	24.66 36.38	22.08 26.79	8.37 20.56
13B. Duty per cubic foot per second { Kharif... Rabi ...	50.88 62.37	47.97 79.25	61.41 68.94

General Remarks.—The erection of the automatic gates on the waste weir of the Waghad tank in 1910-11 was in excess of requirements owing to copious rainfall and this caused a the working expenses is due to the

REPORT, 1908-1909 TO 1910-1911.

PRODUCTIVE WORKS.

Palkhed, Ojhar Tambat and Wadali Canals. Source of Supply—Kadwa and supplied from Kalwan River—Ghat Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.	
5	6	7	8	9	
Rs.	Rs.	Rs.	Rs.		
7,067	63,495	8,496	7,819	} The figures in columns 5 to 8 relate to end of triennial period.	
10,10,925	9,89,725	7,99,240	7,73,752		
9,10,790	8,12,881	7,21,107	6,29,876		
30,142	3,674	-41,739	-60,067		
18,91,573	17,98,932	15,41,652	14,13,711		
19,293	16,383	16,885	14,168		
640	1,457	436	450		
19,938	17,840	17,321	14,618		
2,267	23,517	15,129	6,559		
.....		* Including irrigation share of Land Revenue.
14,444	8,379	9,020	22,613		
5,494	9,461	8,301	-7,995		
0.54	0.96	1.04	1.03		
8,823	15,138	6,109	-16,054		
0.87	1.53	0.77	2.07		
6.26	6.91	5.01	4.64		
4.54	3.24	2.61	7.18		
1.72	3.67	2.40	2.54		
anna 1 pies 4	anna 1 pies 6	anna 1 pies 3	anna 1 pies 5		
1,39,648	98,792	51,537	40,243		
Inches.	Inches.	Inches.	Inches.		
40.48	39.33	37.91	.....	
19.50	16.80	15.66	18.16		
Acres.	Acres.	Acres.	Acres.		
86,430	26,430	36,430	36,430		
1,382	1,220	1,482	1,600		
1,802	1,361	1,978	1,549		
3,184	2,581	3,460	3,149		
3,397	2,562	3,198	2,804		
8.74	7.08	9.50	8.64		
58.98	.....	.....	.....
.....		
4.33	4.02	4.66	5.83		
7.33	5.27	7.21	6.95		
4.33	4.02	4.15	4.14		
7.33	5.27	5.99	4.61		
55.51	94.28	67.75	79.50		
69.93	89.48	106.73	78.56		
3.24	3.95	.....	2.95	
6.65	3.94	.....	4.81	
3.24	3.95	.....	2.24	
6.65	3.94	.....	3.65	
77.78	53.98	.....	113.83	
86.45	113.82	.....	42.65	
18.64	15.08	20.61	19.66		
29.91	24.59	31.64	27.17		
18.64	15.08	20.61	13.27		
29.91	24.59	31.64	17.74		
53.42	56.98	97.10	48.22		
70.19	73.09	125.81	34.85		

Tank which supplies the Kadwa River Works was completed in 1909-10. The storage in the decrease in the area irrigated as compared with the preceding two years. The increase in method of charging establishment.

**DATA IMPORTANT IN THE MANAGEMENT OF THE TANK
SLUICES AND GATES.**

Waghad Tank.

Year.	Depth above sill on the 1st of April.	Lowest depth reached before sluices were opened. Date of do.	Date of opening under-sluices.	Date of closing under-sluices.	Date of water reaching waste weir crest.	Date of water reaching full supply level.	Date when storage commenced to be drawn off.	Remarks.
1891	32.28	22.07 4th July 1891.	...	...	26th September 1891.	Data not available but water reached F. S. L. between 19th and 25th July 1891.	10th February 1891.	R. L. of Waste Weir Crest is 110.00 and that of F. S. L. is 114.00.
1892	28.02	19.44 21st June 1892.	...	...	15th July 1892	1st August 1892.	21st January 1892.	
1893	31.22	26.50 27th May 1893.	...	...	18th June 1893	19th June 1893	21st February 1893.	
1894	28.06	17.62 14th June 1894.	...	...	7th July 1894	9th July 1894	1st January 1894.	
1895	29.64	20.35 9th June 1895.	...	...	18th July 1895	25th July 1895	21st February 1895.	
1896	27.63	17.50 1st June 1896.	...	...	Information not available.	22nd July 1896	1st February 1896.	
1897	18.45	3.45 12th June 1897.	...	...	Do.	6th August 1897.	7th December 1897.	Do.
1898	26.21	9.70 8th June 1898.	...	...	13th July 1898	13th July 1898	1st January 1898.	
1899	27.52	17.71 14th June 1899.	...	...	28th July 1899	10th July 1899	2nd January 1899.	
1900	9.28	4.89 27th June 1900.	...	...	30th August 1900.	31st August 1900.	16th November 1900.	
1901	24.62	7.05 29th June 1901.	...	...	18th July 1901	21st July 1901	1st November 1901.	
1902	5.00	0.00 4th May 1902.	...	...	16th July 1902	17th July 1902	13th November 1902.	
1903	17.50	0.40 23rd May 1903.	...	...	25th July 1903	25th July 1903	12th November 1903.	
1904	26.35	8.30 2nd July 1904.	...	...	20th July 1904	20th July 1904	8th November 1904.	R. L. of Waste Weir crest and of F. S. L. is 118.00.
1905	20.50	0.50 29th July 1905.	...	...	19th July 1905	19th July 1905	14th October 1905.	
1906	17.75	1.30 11th June 1906.	...	...	Water did not reach W. W. crest.	Water did not reach F. S. L. but it was stored to within 2.60 feet of F. S. L.	2nd September 1906.	
1907	15.40	0.00 10th July 1907.	...	...	31st July 1907	31st July 1907	11th October 1907.	R. L. of Waste Weir crest and F. S. L. is 120.00.
1908	19.50	0.00 21st June 1908.	...	...	12th July 1908	Water did not reach F. S. L. but it was stored to within 4.20 feet of F. S. L.	21st October 1908.	
1909	25.15	5.85 11th June 1909.	...	...	14th July 1909	Water did not reach F. S. L. but it was stored to within 1.20 feet of F. S. L.	16th September 1909.	R. L. of Waste Weir crest is 120.00 and that of F. S. L. is 128.00.
1910	33.35	20.05 28th June 1910.	...	...	7th July 1910	4th October 1910.	Storage drawn on 11th November 1910 and on 11th to 17th December 1910.	

DECCAN AND GUJARAT TRIENNIAL

MAJOR WORKS—

Name of Work—Pravara River Works—Lakh Canal.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year	.....	.....	.....
2. Do. do. to end of year.	3,71,891	3,71,891	3,71,891
3. Interest charges to end of year ...	5,60,647	5,72,482	5,84,384
4. Net Revenue do. ...	-2,46,747	-2,50,968	-2,52,192
5. Total sum at charge do. ...	11,79,285	11,95,341	12,08,467
6. Revenue—Water-rate assessment* ...	1,478	1,225	754
7. Miscellaneous receipts do. ...	262	277	803
8. Total (assessment) ...	1,740	1,502	1,557
9. Total (collection)* ...	1,930	1,533	1,861
10. Refunds ...	10	.....	.....
11. Working expenses ...	6,936	5,754	3,085
12. Net Revenue based on assessment ...	-5,196	-4,252	-1,528
13. Percentage based on Capital ...	1.40	1.14	0.41
14. Net Revenue based on collection ...	-5,016	-4,221	-1,224
15. Percentage based on Capital ...	1.35	1.14	0.33
16. Gross assessed Revenue per acre irrigated...	1.39	2.17	6.49
17. Working expenses do. ...	5.53	8.33	12.85
18. Net assessed Revenue do. ...	4.14	6.16	6.36
19. Cost of measurement do. ...	Pies 5	Pies 5	Anna 1 pies 5
20. Estimated value of crops irrigated ...	19,635	11,606	6,723
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	14.98	15.09	44.53
2. Do. (do. Irrigation) ...	14.98	14.52	44.53
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	25,536	25,536	25,536
4. Area irrigated, Kharif ...	912	305	31
5. Do. Rabi ...	342	386	209
6. Do. Total ...	1,254	691	240
7. Area applied for (Total) ...	810	1,373	576
8. Percentage irrigated of total culturable area under command ...	4.91	2.71	0.94
9. Lowest supply reached during the year ... M. C. Ft.	.....	.....	.....
10. Date on which supply was lowest per Item 9 ...	.....	.....	.....
11. Supply entering the Canal at head, average discharge in cubic feet per second { Kharif ...	43.42	34.81	11.65
{ Rabi ...	12.48	13.46	20.05
12. Supply utilised do. { Kharif ...	40.00	31.49	11.20
{ Rabi ...	9.34	12.59	16.62
13. Duty per cubic foot per second. { Kharif ...	22.80	9.69	2.77
{ Rabi ...	43.58	35.51	14.20

General Remarks.—The Lakh Canal draws its supply from the Pravara river. This required by the latter and consequently the supply is usually insufficient after October, its poor supply and bad alignment. After the extension of the Ojhar Left Bank Canal it

REPORT, 1908-1909 TO 1910-11.

PRODUCTIVE WORKS.

Source of Supply—Pravara River—Ghat Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.	
5	6	7	8	9	
Rs.	Rs.	Rs.	Rs.		
.....		
3,71,891	3,71,891	3,71,891	3,71,891	} The figures in columns 5 to 8 relate to end of triennial period.	
5,84,384	5,48,720	5,10,482	4,68,188		
-2,52,192	-2,41,731	-2,32,834	-2,27,482		
12,08,467	11,62,342	10,97,609	10,27,642		
1,152	839	1,180	1,058		
448	270	191	158		
1,600	1,109	1,371	1,216		
1,774	1,027	1,787	905		
3	9	14	.....	
5,258	3,983	3,558	18,743		* Including Irrigation share of Land Revenue.
-3,658	-2,874	-2,187	-17,527		
0.98	0.77	0.59	4.71		
-3,487	-2,965	-1,785	-17,838		
0.94	0.80	0.48	4.80		
2.20	2.12	2.11	1.40		
7.22	7.61	5.48	21.67		
5.02	5.49	3.37	20.27		
pies 9	pies 8	anna 1 pies. 4	pies 11		
12,655	6,166	6,740	6,345		
Inches.	Inches.	Inches.	Inches.		
24.87		
24.68	15.03	21.20	13.68		
Acres.	Acres.	Acres.	Acres.		
25,536	25,536	25,536	25,536		
416	247	302	359		
312	276	347	506		
728	523	649	865		
920	1,492	1,140	1,480		
2.85	2.04	2.54	3.39		
.....	} Weir project.	
.....		
29.96	24.50	31.18	32.82		
15.33	14.13	23.38	15.49		
27.56	21.35	24.83	22.42		
12.85	12.24	20.46	14.97		
11.75	12.07	9.40	10.72		
31.09	25.94	12.42	36.90		

canal being situated below the Ojhar Canals receives only such supply of water as is not This canal is not a financial success and does not even pay its working expenses owing to will be abandoned.

DECCAN AND GUJARAT TRIENNIAL

MAJOR WORKS—

Name of Work—Mutha Canals including Matoba Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
I	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	1,44,864	55,409	15,377
2. Do. do. to end of year ...	75,38,034	75,93,443	76,08,820
3. Interest charges to end of year ...	87,32,243	89,77,548	92,25,417
4. Net Revenue do. ...	48,03,026	50,36,157	53,13,495
5. Total sum at charge do. ...	1,14,70,872	1,15,94,834	1,15,50,211
6. Revenue—Water-rate assessment* ...	2,00,585	2,03,143	1,99,720
7. Miscellaneous receipts do. ...	1,45,245	1,49,839	1,51,430
8. Total (assessment) ...	3,45,830	3,52,982	3,51,150
9. Total (collection) * ...	3,66,342	3,64,660	3,66,289
10. Refunds ...	172	624	2
11. Working expenses ...	1,18,704	1,20,905	1,18,949
12. Net Revenue based on assessment ...	2,27,126	2,32,077	2,32,201
13. Percentage based on Capital ...	5.01	8.06	8.05
14. Net Revenue based on collection ...	2,47,466	2,33,131	2,77,398
15. Percentage based on Capital ...	3.28	8.07	3.64
16. Gross assessed Revenue per acre irrigated †	18.32	16.06	19.75
17. Working expenses do. ...	10.11	8.78	10.67
18. Net assessed Revenue do. †	8.21	7.23	9.08
19. Cost of measurement do. ...	{ † Anna 1 pica 4 ‡ Anna 1	{ † Pies 10 ‡ Pies 11	} Pies 11.5
20. Estimated value of crops irrigated ...	22,71,564	23,40,648	21,56,298
MUTHA CANALS.			
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	.....	(a) 64.18	(b) 80.18
2. Do. (do. Irrigation) ...	22.89	16.83	32.31
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	42,667	42,667	42,667
4. Area irrigated, Kharif ...	9,650	10,446	8,554
5. Do. Rabi ...	579	735	540
6. Do. Total ...	10,229	11,181	9,094
7. Area applied for (Total) ...	9,575	9,609	8,334
8. Percentage irrigated of total culturable area under command ...	23.97	26.21	21.31
9. Lowest supply reached during the year. M. C. Ft.	453	621	425
10. Date on which supply was lowest per Item 9 ...	17th June 1908.	11th June 1909.	16th June 1910.
11. Supply entering the Canal at head, (Kharif... average discharge in cubic feet per second ...	160.42	172.86	165.83
12. Supply utilised do. ...	{ Rabi ... Kharif... Rabi ...	{ 133.41 132.14	{ 132.68 132.68
13. Duty per cubic foot per second ...	{ Kharif... Rabi ...	{ 50.64	{ 53.86
MATOPA TANK.			
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	15.74	7.36	17.36
2. Do. (do. Irrigation) ...	12.04	13.29	17.86
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	7,133	7,133	7,133
4. Area irrigated, Kharif ...	704	1,182	1,376
5. Do. Rabi ...	807	1,406	683
6. Do. Total ...	1,511	2,588	2,059
7. Area applied for (Total) ...	1,184	1,444	2,059
8. Percentage irrigated of total culturable area under command ...	21.18	16.23	28.87
9. Lowest supply reached during the year...M.C.Ft.	Dry.	25	Dry.
10. Date on which supply was lowest per Item 9 ...	0th June 1908.	31st March 1910.	22nd May 1910.
11. Supply entering the Cannal at head, (Kharif... average discharge in cubic feet per second ...	4.37	4.09	4.40
12. Supply utilised do. ...	{ Rabi ... Kharif... Rabi ...	{ 8.27 4.09 8.09	{ 4.89 4.40 4.83
13. Duty per cubic foot per second ...	{ Kharif... Babi ...	{ 161 246.60	{ 313 140

General Remarks.—The canal continued to maintain a large area of sugar-cane and triennium over the area under command was above the average and

REPORT, 1908-1909 to 1910-1911.

PRODUCTIVE WORKS.

Source of Supply—Mutha River—Ghat Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
71,883	5,333	1,53,141	26,665	} The figures in columns 5 to 8 relate to end of triennial period. * Including Rs. 42 on account of irrigation share of Land Revenue.
78,08,820	73,93,170	73,77,170	69,17,746	
92,25,417	87,11,523	79,40,219	71,12,463	
53,13,495	45,55,560	38,12,801	32,32,354	
1,15,50,211	1,15,54,269	1,13,89,721	1,07,47,616	
2,01,149	2,07,074	1,84,315	1,64,593	
1,48,838	1,52,765	1,36,169	1,32,789	
3,49,987	3,59,839	3,20,484	2,97,382	
3,72,430	3,59,923	3,11,609	2,85,061	
266	291	519	824	
1,19,519	1,12,045	1,17,808	85,075	† Excluding receipts from Poona water-supply:—
2,30,468	2,47,794	2,02,876	2,12,307	
803	335	275	307	Rs.
2,52,645	2,47,587	1,93,482	1,99,162	1908-09 ... 1,30,712
382	335	262	288	1909-10 ... 1,31,783
1791	1992	1881	1570	1910-11 ... 1,30,881
978	1002	1112	752	Average ... 1,31,125
813	990	769	818	
Anna 1	Anna 1.	Annas 2 pies 9	Anna 1 pies 5.	‡ Matoba Tank. § Mutha Canals.
22,56,170	24,78,990	21,59,767	13,87,260	
Inches.	Inches.	Inches.	Inches.	Inches. Inches.
72.18	81.87	25.73	21.50	(a) Musa ... 100.58 (b) 115.01
24.01	24.43	23.11	21.66	Mutha ... 58.91 80.77
				Khadakvasla. 33.05 44.76
Acres.	Acres.	Acres.	Acres.	Average ... 64.13 80.13
42,667	42,667	42,667	42,667	
9,550	8,967	8,088	8,544	
618	480	527	539	
10,168	9,447	8,615	9,133	
9,193	9,381	8,563	9,170	
23.83	22.14	20.19	21.41	
500	.....	.....	.....
.....	
166.38	153.50	154.40	148.18	
132.74	137.82	132.31	133.71	
.....	
132.74	137.82	.....	.....	Not available, water being allowed to run into the Matoba Tank.
.....	.....	52.24	53.63	
51.67	49.63	44.85	39.05	
Inches.	Inches.	Inches.	Inches.	
13.48	14.28	.....	.....
14.23	13.67	17.95	9.39	
Acres.	Acres.	Acres.	Acres.	
7,133	7,133	7,133	7,133	
1,087	1,206	1,134	1,515	
965	531	782	662	
2,052	1,737	1,966	2,177	
1,562	1,521	1,842	2,343	
28.77	24.35	27.56	30.52	Note.—The accounts of the Mutha Canals and Matoba Tank amalgamated as per Government of India No. 1371-I, dated 24th June 1908 and Local G. R., No. 1975, dated 18th July 1908.
.....	
.....	
4.29	4.56	5.84	6.57	
7.08	6.65	7.60	7.91	
4.29	4.56	5.84	6.57	
7.08	6.65	7.60	7.91	
254	273.00	206.00	274.92	
177	122.33	154.00	124.63	

other valuable perennial crops during the triennium. The rainfall in the last year of the in consequence the area irrigated was less than in the preceding year.

DATA IMPORTANT IN THE MANAGEMENT OF THE TANK SLUICES AND GATES.

Lake Fife.

Year.	Depth above sill on the 1st of April.	Lowest depth reached before sluices were opened.	Date of lowest depth reached before sluices were opened.	Date of opening under-sluices.	Date of closing under-sluices.	Date of water reaching waste weir crest.	Date of water reaching full supply level.	Date when storage commenced to be drawn off.	Remarks.
1891	18-65	5-08	2nd July 1891.	...	...	17th July 1891	32 feet.	14th October 1891.	17th October 1891.
1892	13-37	6-55	3rd June 1892.	...	...	11th July 1892	32-70	24th October 1892.	26th November 1892.
1893	19-63	10-42	7th June 1893.	...	...	20th June 1893	32-50	20th June 1893.	16th October 1893.
1894	17-90	9-17	12th June 1894.	...	...	18th June 1894	33-60	24th October 1894.	8th November 1894.
1895	21-28	10-97	17th June 1895.	...	...	22nd June 1895	33-00	6th November 1895.	9th November 1895.
1896	21-36	11-94	17th June 1896.	...	...	21st June 1896	34-80	29th July 1896.	27th September 1896.
1897	16-27	8-40	17th June 1897.	...	...	26th June 1897	33-20	14th October 1897.	14th October 1897.
1898	19-92	10-44	9th June 1898.	...	...	17th June 1898	32-98	15th October 1898.	18th October 1898.
1899	18-63	9-75	16th June 1899.	...	...	23rd June 1899	31-35	29th September 1899.	2nd October 1899.
1900	15-46	6-90	27th June 1900.	...	...	9th July 1900	34-85	24th September 1900.	12th October 1900.
1901	16-44	9-60	6th June 1901.	...	...	7th July 1901	31-72	3rd October 1901.	6th October 1901.
1902	15-98	6-93	12th June 1902.	...	...	14th July 1902	32-20	28th August 1902.	19th October 1902.
1903	19-52	12-68	25th May 1903.	...	...	13th July 1903	33-59	4th October 1903.	21st October 1903.
1904	19-03	9-65	12th June 1904.	...	...	23rd June 1904	34-02	20th October 1904.	28th October 1904.
1905	20-36	6-46	1st July 1905.	...	...	6th July 1905	34-02	13th September 1905.	24th October 1905.
1906	18-60	8-05	21st June 1906.	...	...	20th June 1906	33-90	13th October 1906.	15th October 1906.
1907	17-91	7-68	17th June 1907.	...	...	4th July 1907	33-97	7th October 1907.	9th October 1907.
1908	17-69	6-34	17th June 1908.	...	...	4th July 1908	34-00	5th October 1908.	6th October 1908.
1909	17-83	8-30	11th June 1909.	...	...	27th June 1909	33-95	22nd September 1909.	15th October 1909.
1910	15-55	6-00	16th June 1910.	...	...	20th June 1910	34-00	13th September 1910.	1st November 1910.

Crest of waste we was lowered by 2 feet on account of the automatic gates, i.e. it is 26 feet above sill of outlets. Before this it was 28 feet.

DATA IMPORTANT IN THE MANAGEMENT OF THE TANK SLUICES AND GATES.

Lake Fife.

Year.	Depth above sill on the 1st of April.	Lowest depth reached before sluices were opened.	Date of lowest depth reached before sluices were opened.	Date of opening under-sluices.	Date of closing under-sluices.	Date of water reaching waste weir crest.	Date of water reaching full supply level.	Date when storage commenced to be drawn off.	Remarks.
1891	18.55	5.98	2nd July 1891.	...	...	17th July 1891	32 feet.	14th October 1891.	17th October 1891.
1892	13.37	6.65	3rd June 1892.	...	...	11th July 1892	32.70	24th October 1892.	26th November 1892.
1893	19.63	10.42	7th June 1893.	...	...	20th June 1893	32.50	20th June 1893.	16th October 1893.
1894	17.90	9.17	12th June 1894.	...	...	18th June 1894	33.60	24th October 1894.	8th November 1894.
1895	21.23	10.97	17th June 1895.	...	...	22nd June 1895	33.00	6th November 1895.	9th November 1895.
1896	21.36	11.94	17th June 1896.	...	...	21st June 1896	34.80	29th July 1896.	27th September 1896.
1897	16.27	8.40	17th June 1897.	...	...	26th June 1897	33.20	14th October 1897.	14th October 1897.
1898	19.92	10.44	9th June 1898.	...	...	17th June 1898	32.98	15th October 1898.	18th October 1898.
1899	18.83	9.75	16th June 1899.	...	...	29th June 1899	31.35	29th September 1899.	2nd October 1899.
1900	15.46	6.90	27th June 1900.	...	...	9th July 1900	34.85	24th September 1900.	12th October 1900.
1901	16.44	9.60	6th June 1901.	...	...	7th July 1901	31.72	3rd October 1901.	6th October 1901.
1902	15.93	6.93	12th June 1902.	...	...	14th July 1902	32.20	28th August 1902.	19th October 1902.
1903	19.52	12.68	25th May 1903.	...	...	13th July 1903	33.59	4th October 1903.	21st October 1903.
1904	19.03	9.65	12th June 1904.	...	...	23rd June 1904	34.02	26th October 1904.	28th October 1904.
1905	20.36	6.46	1st July 1905.	...	...	6th July 1905	34.02	13th September 1905.	24th October 1905.
1906	18.80	8.05	21st June 1906.	...	...	29th June 1906	33.90	13th October 1906.	15th October 1906.
1907	17.91	7.68	17th June 1907.	...	...	4th July 1907	33.97	7th October 1907.	9th October 1907.
1908	17.69	6.34	17th June 1908.	...	...	4th July 1908	34.00	5th October 1908.	6th October 1908.
1909	17.83	8.30	11th June 1909.	...	...	27th June 1909	33.95	22nd September 1909.	15th October 1909.
1910	15.65	6.00	16th June 1910.	...	...	26th June 1910	34.00	13th September 1910.	1st November 1910.

Crest of waste weir was lowered by 2 feet on account of the automatic gates, i.e. it is 26 feet above sill of outlets. Before this it was 28 feet.

DECCAN AND GUJARAT TRIENNIAL

MAJOR WORKS—

Name of Work—*Ekruk Tank.*

Particulars.	1908-1909.	1909-1910.	1910-11.
1	2	3	4
	Rs.	Rs.	Rs.
<i>I.—Financial Results.</i>			
1. Capital outlay, direct and indirect, during the year.	.....	.....	.....
2. Do. do. to end of year.	13,40,386	13,40,386	13,40,386
3. Interest charges to end of year ...	18,90,436	19,31,676	19,73,149
4. Net Revenue do. ...	96,052	1,55,994	2,05,650
5. Total sum at charge do. ...	31,34,770	31,34,770	31,16,068
6. Revenue—Water-rate assessment ...	35,025	25,820	28,815
7. Miscellaneous receipts do. ...	26,187	24,728	30,204
8. Total (assessment) ...	61,212	50,548	59,019
9. Total (collection) ...	39,375	74,526	64,368
10. Refunds ...	.....	.....	.....
11. Working expenses ...	11,864	14,584	14,712
12. Net Revenue based on assessment ...	49,343	35,964	44,307
13. Percentage based on Capital ...	3.68	2.68	3.31
14. Net Revenue based on collection ...	27,511	59,942	49,656
15. Percentage based on Capital ...	2.05	4.47	3.70
16. Gross assessed Revenue per acre irrigated... ..	11.96	10.89	12.82
17. Working expenses do. ...	2.31	3.14	3.20
18. Net assessed Revenue do. ...	9.65	7.75	9.62
19. Cost of measurement do. ...	Pies 8	Pies 9	Pies 9
20. Estimated value of crops irrigated ...	3,73,986	3,31,666	3,66,135
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1 Rainfall (as affecting storage) ...	.....	.....	.....
2. Do. (do. Irrigation) ...	20.58	17.16	27.59
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	16,941	16,941	16,941
4. Area irrigated, Kharif ...	2,817	2,120	2,778
5. Do. Rabi ...	2,299	2,523	1,826
6. Do. Total ...	5,116	4,643	4,604
7. Area applied for (Total) ...	5,541	6,388	6,273
8. Percentage irrigated of total culturable area under command ...	30.20	27.41	27.18
9. Lowest supply reached during the year ... M.C.Ft.	522.77	728.10	1,596
10. Date on which supply was lowest per Item 9.	3rd Sept. 1908.	30th May 1909.	27th July 1910.
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	20.64	19.51	34.36
12. Supply utilised do. ...	37.80	42.34	51.82
13. Duty per cubic foot per second. ...	18.50	13.07	30.65
	36.76	40.18	49.68
	152.27	162.00	90.63
	126.20	107.64	72.63

General Remarks :—The average rainfall and run off from the catchment are generally
Besides irrigation the tank supplies water to the

REPORT, 1908-1909 to 1910-1911.

PRODUCTIVE WORKS.

Source of Supply—*Adhela River—Deccan Catchment.*

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	} The figures in columns 5 to 8 relate to end of triennial period.
13,40,386	13,40,386	13,40,386	13,40,386	
19,73,149	18,48,877	17,15,539	15,68,264	
2,05,650	68,541	—12,745	—49,234	
31,16,068	31,20,722	30,32,592	29,25,954	
29,886	31,428	16,108	13,728	
27,040	13,886	12,391	14,290	
56,926	45,314	28,499	28,018	
59,423	41,896	24,704	27,273	
.....	.....	52	323
13,720	14,801	12,489	8,779	
43,206	30,513	16,010	19,239	
3.22	2.28	1.19	1.44	
45,703	27,095	12,163	18,171	
3.41	2.02	0.91	1.35	
11.89	8.21	8.76	7.20	
2.87	2.68	3.84	2.25	
9.02	5.53	4.92	4.95	
Pies 9	Pies 7	Annas 2 pies 3	Annas 2 pies 9	
3,57,263	3,92,658	1,80,883	1,43,884	
Inches.	Inches.	Inches.	Inches.	
.....	.....	33.24	18.71
21.78	18.58	33.39	16.78	
Acres.	Acres.	Acres.	Acres.	
16,941	16,941	16,941	16,941	
2,572	2,956	1,853	2,118	
2,216	2,561	1,399	1,771	
4,788	5,517	3,252	3,889	
6,067	3,939	3,036	2,731	
28.26	32.57	19.20	22.95	
.....	
.....	
24.84	27.47	23.04	20.02	
43.99	43.96	30.03	28.59	
20.74	25.60	20.81	14.57	
42.21	42.61	27.31	23.83	
134.97	119.88	80.01	133.85	
102.16	106.95	73.34	46.86	

good and the waste weir provision is ample as tested by the experience of the past years. town of Sholapur and several factories.

DECCAN AND GUJARAT TRIENNIAL

MAJOR WORKS—

Name of Work—Krishna Canal.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	.....	.....	.....
2. Do. do. to end of year.	8,66,627	8,66,627	8,66,627
3. Interest charges to end of year ...	13,24,972	13,52,516	13,80,215
4. Net Revenue do. ...	5,77,706	6,22,029	6,63,728
5. Total sum at charge do. ...	16,22,134	16,13,893	15,97,114
6. Revenue—Water-rate assessment ...	46,188	52,213	38,186
7. Miscellaneous receipts do. ...	2,075	1,614	4,604
8. Total (assessment) ...	48,263	53,827	42,790
9. Total (collection) ...	47,637	55,946	53,018
10. Refunds ...	49	28	.....
11. Working expenses ...	11,590	11,595	11,319
12. Net Revenue based on assessment ...	36,673	42,232	31,471
13. Percentage based on Capital ...	4.23	4.87	3.63
14. Net Revenue based on collection ...	35,998	44,323	41,699
15. Percentage based on Capital ...	4.15	5.11	4.81
16. Gross assessed Revenue per acre irrigated .	9.30	10.04	12.24
17. Working expenses do. ...	2.23	2.16	3.24
18. Net assessed Revenue do. ...	7.07	7.88	9.00
19. Cost of measurement do. ...	Annas 2 pies 5	Annas 2 pies 4	Annas 3 pies 5
20. Estimated value of crops irrigated ...	8,20,302	7,99,172	2,34,875
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	26.12	20.16	28.91
2. Do. (do. Irrigation) ...	26.12	13.12	28.51
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	26,453	26,453	26,453
4. Area irrigated, Kharif ...	2,382	2,883	2,108
5. Do. Rabi ...	2,808	2,479	1,387
6. Do. Total ...	5,190	5,362	3,495
7. Area applied for (Total) ...	4,360	5,345	3,256
8. Percentage irrigated of total culturable area under command ...	19.67	20.27	13.21
9. Lowest supply reached during the year ... M.C.Ft.	.....	.....	.....
10. Date on which supply was lowest per Item 9 ...	.....	.....	.....
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif ...	34.96	42.37	41
{ Rabi ...	72.90	65.27	61
12. Supply utilised do. { Kharif ...	34.96	38.93	41
{ Rabi ...	72.90	65.27	61
13. Duty per cubic foot per second. { Kharif ...	68	74	51.40
{ Rabi ...	99	100	76.90

General Remarks :—The decrease in the area irrigated in the triennium and the increase more largely grown

REPORT, 1908-1909 to 1910-1911.

PRODUCTIVE WORKS.

Supply—River Krishna—Ghat Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	578	} The figures in columns 5 to 8 relate to end of triennial period.
8,66,627	8,66,627	8,66,627	8,64,892	
13,80,215	12,97,215	12,08,232	11,09,922	
6,63,728	5,41,708	4,55,038	3,57,708	
15,97,114	16,22,134	16,22,423	16,08,564	
45,529	41,275	44,604	45,774	
2,765	1,201	1,604	1,379	
48,294	42,476	46,208	47,153	
52,201	44,684	47,144	37,091	
26	256	21	2	
11,502	15,538	14,679	16,743	
38,792	26,938	31,529	30,410	
4.25	3.11	3.64	3.52	
40,673	28,890	32,444	20,346	
4.69	3.33	3.74	2.35	
10.31	5.75	7.61	7.03	
2.46	2.10	2.42	2.50	
7.85	3.65	5.19	4.53	
Annas 2 pies 9	Anna 1 pies 10	Annas 2 pies 3	Anna 1 pies 11	
6,18,116	5,64,933	6,03,345	4,54,743	
Inches.	Inches.	Inches.	Inches.	
25.06	24.43	22.27	
22.58	21.76	21.38	20.46	
Acres.	Acres.	Acres.	Acres.	
26,453	26,453	26,453	26,453	
2,458	4,488	4,501	4,601	
2,225	2,897	1,569	2,105	
4,683	7,385	6,070	6,706	
4,320	6,358	5,341	6,046	
17.70	27.91	22.95	25.35	
.....	} Weir Project.
.....	
39.44	33.29	45.20	43.27	
66.39	62.28	56.90	56.75	
38.30	33.29	42.76	37.03	
66.39	62.28	54.40	52.23	
64.47	125.84	97.38	107.73	
91.97	46.10	27.64	35.45	

in the average of the assessment, are due to highly assessed perennial crops having been than hitherto.

MINOR WORKS AND NAVIGATION.

—
**WORKS FOR WHICH CAPITAL AND REVENUE
ACCOUNTS ARE KEPT**

—
(DECCAN AND GUJARAT.)

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Wangroli Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year .	10,055	.....	8,959
2. Do. do. to end of year ...	2,38,987	2,38,987	2,47,946
3. Interest charges to end of year ...	28,244	35,205	42,353
4. Net Revenue do. ...	4,268	1,403	-6,986
5. Total sum at charge do. ...	2,65,108	2,74,934	2,99,480
6. Revenue—Water-rate assessment ...	6,490	1,907	1,728
7. Miscellaneous receipts do. ...	446	192	255
8. Total (assessment) ...	6,936	2,099	1,983
9. Total (collection) ...	8,391	4,395	2,321
10. Refunds ...	.....	.....	.....
11. Working expenses ...	3,236	7,260	10,710
12. Net Revenue based on assessment ...	3,700	-5,161	-8,727
13. Percentage based on Capital ...	1.55	2.16	3.52
14. Net Revenue based on collection ...	5,155	-2,865	-8,389
15. Percentage based on Capital ...	2.16	1.20	3.38
16. Gross assessed Revenue per acre irrigated .	3.61	4.79	7.51
17. Working expenses do. ...	1.68	16.57	40.57
18. Net assessed Revenue do. ...	1.93	11.78	33.06
19. Cost of measurement do. * ...	.....	.....	.....
20. Estimated value of crops irrigated ...	77,470	14,595	3,790
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	.....	.....	.....
2. Do. (do. Irrigation) ...	37.68	30.73	33.02
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	1,800	1,800	1,800
4. Area irrigated, Kharif ...	1,144	175	56
5. Do. Rabi ...	777	263	208
6. Do. Total ...	1,921	438	264
7. Area applied for (Total) ...	1,831	413	256
8. Percentage irrigated of total culturable area under command ...	106.72	24.33	14.67
9. Lowest supply reached during the year ... M. C. Ft.	70.97	56.50	105.36
10. Date on which supply was lowest per item 9 ...	21st Novem-ber 1908.	25th Novem-ber 1909.	31st Decem-ber 1910.
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif ...	62	5.36	} 49.50 M.C.Ft.
{ Rabi ...	55	1.83	
12. Supply utilised do. { Kharif ...	62	5.36	} 49.50 M.C.Ft.
{ Rabi ...	55	1.83	
13. Duty per cubic foot per second. { Kharif ...	18.45	32.65	} 5.30 per M.C.Ft.
{ Rabi ...	14.13	143.71	

General Remarks.—The whole of the supply stored up could not be utilized as the area has been sanctioned to increase

REPORT, 1908-1909 TO 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Kharwa Nala and Rainfall.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
6,338	35,788	40,523	.....	} The figures in columns 5 to 7 relate to end of triennial period.
2,47,946	2,28,932	1,21,569	.....
42,353	21,395	4,288	.....
-6,986	-837	-339	.....
2,99,430	2,53,359	1,24,193	.....
3,375	3,495	.....	.....
298	198	249	.....
3,673	3,693	249	.....
5,036	2,020	249	.....
.....	
7,069	2,457	362	.....
-3,396	1,236	-113	.....
1.36	0.54	0.09	.....
-2,033	-437	-113	.....
0.82	0.19	0.09	.....
4.20	3.57	.....	.....
8.09	2.38	.....	.....
3.89	1.19	.....	.....
.....	
31,952	29,742	.....	.....		* No special establishment was engaged for measurement of irrigated areas.
Inches.	Inches.	Inches.	Inches.	
.....	
35.48	35.37	.....	.....
Acres.	Acres.	Acres.	Acres.	
1,800	1,800	.....	.....
458	446	.....	.....
416	244	.....	.....
874	690	.....	.....
833	596	.....	.....
48.55	57.44	.....	.....
.....	
.....	
.....	21.89	.....	.....
.....	18.02	.....	.....
.....	21.89	.....	.....
.....	18.02	.....	.....
.....	23.55	.....	.....
.....	17.25	.....	.....

under command was limited, *viz.*, 1,800 acres; an extension of the Right Bank Canal the area commanded by 2,000 acres.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR

Name of Work—Tranza-Nagrama Tanks.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year	7,720	5	.....
2. Capital outlay, direct and indirect, to end of year	2,77,387	2,77,392	2,77,392
3. Interest charges to end of year	38,222	46,153	54,129
4. Net Revenue do.	-8,222	-11,946	-14,000
5. Total sum at charge do.	3,28,580	3,40,240	3,50,270
6. Revenue—Water-rate assessment	612*	23†	23†
7. Miscellaneous receipts do.	449	395	24
8. Total (assessment)	1,061	418	47
9. Total (collection)	2,100	724	193
10. Refunds ... ..	.....	.....	.....
11. Working expenses	5,039	4,448	2,247
12. Net Revenue based on assessment	-3,978	-4,030	-2,200
13. Percentage based on Capital	1.43	1.45	0.79
14. Net Revenue based on collection	-2,939	-3,724	-2,054
15. Percentage based on Capital	1.06	1.34	0.74
16. Gross assessed Revenue per acre irrigated... ..	4.38	.....	.....
17. Working expenses do.	20.82	.....	.....
18. Net assessed Revenue do.	16.44	.....	.....
19. Cost of measurement do. † ... ..	.....	.....	.....
20. Estimated value of crops irrigated	13,225	.....	.....
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ... ..	.....	.....	.....
2. Do. (do. Irrigation)	33.19	28.83	22.97
	Acres.	Acres.	Acres.
3. Total culturable area under command	2,388	2,388	2,388
4. Area irrigated, Kharif	181	.....	.....
5. Do. Rabi	61	.....	.....
6. Do. Total	242	.....	.....
7. Area applied for (total)	235	.....	.....
8. Percentage irrigated of total culturable area under command	10.13	.....	.....
9. Lowest supply reached during the year M. C. Ft.	§ 9.70	} The tanks were empty.	
10. Date on which supply was lowest per Item 9	14th October 1908.		
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif... ..	9		
	Rabi ... ..	.....	.....
	Nil	.....	.....
12. Supply utilised do. { Kharif... ..	9	.....	.....
	Rabi ... ..	.....	.....
	Nil	.....	.....
13. Duty per cubic foot per second. { Kharif... ..	20.11	.....	.....
	Rabi ... ..	.....	.....

General Remarks.—The tanks are dependent on a supply channel from

REPORT, 1908-1909 to 1910-1911.

WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Cuts in Matar Drainage Channel and Rainfall.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
2,575	26,329	63,560	} The figures in columns 5 to 7 relate to end of triennial period. † Irrigation share of Land Revenue. * Including do.—
2,77,392	2,69,667	1,90,679	.....
54,129	30,350	7,607	.....
-14,000	-5,283	-973	.....
3,50,270	3,10,049	1,96,265	.....
219	744	.....	.....
.....	
289	238	36	.....
508	982	36	.....
1,006	448	36	.....
.....	
3,911	1,892	360	.....
-3,403	-910	-324	.....
1-23	0-34	0-17	.....
-2,905	-1,444	-324	.....
1-05	0-53	0-17	.....
6-35	1-94	.....	.....
48-89	3-74	.....	.....
42-54	1-80	.....	.....
.....	
4,408	15,950	† No special establishment was engaged for measurement of irrigated areas.
Inches.	Inches.	Inches.	Inches.	
.....	
28-33	32-04	
Acres.	Acres.	Acres.	Acres.	
2,388	2,388	
60	286	
20	52	
80	338	
78	530	
.....	21-19	§ In the Tranza tank; the Nagrama tank was empty.
.....	
.....	
.....	17-43	.....	.....
.....	
.....	17-43	.....	.....
.....	
.....	24-46	.....	.....
.....	
.....	

the Matar drains, they are not expected to fill in ordinary seasons.

DECCAN AND GUJARAT TRIENNIAL
MINOR WORKS AND NAVIGATION—WORKS FOR

Name of Work—Savli Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	42,799	12,940	1,585
2. Do. do. to end of year ...	2,39,946	2,52,886	2,54,471
3. Interest charges to end of year ...	23,505	31,107	38,989
4. Net Revenue do. ...	1,376	1,109	1,940
5. Total sum at charge do. ...	2,63,929	2,84,738	2,93,374
6. Revenue—Water-rate assessment ...	4,639	4,503	3,949
7. Miscellaneous receipts do. ...	74	287	343
8. Total (assessment) ...	4,713	4,790	4,292
9. Total (collection) ...	2,469	2,975	4,761
10. Refunds ...	.....	.....	.....
11. Working expenses ...	1,093	3,242	3,930
12. Net Revenue based on assessment ...	3,620	1,548	362
13. Percentage based on Capital ...	1.51	6.61	0.14
14. Net Revenue based on collection ...	1,376	—267	831
15. Percentage based on Capital ...	0.57	0.10	0.33
16. Gross assessed Revenue per acre irrigated...	3.36	3.06	2.95
17. Working expenses do. ...	0.78	2.07	2.70
18. Net assessed Revenue do. ...	2.58	0.99	0.25
19. Cost of measurement do.* ...	.....	.....	.....
20. Estimated value of crops irrigated ...	70,620	76,595	29,760
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	.....	.....	.....
2. Do. (do. Irrigation) ...	32.73	27.22	31.10
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	4,700	4,700	4,700
4. Area irrigated, Kharif ...	888	943	795
5. Do. Rabi ...	513	628	661
6. Do. Total ...	1,401	1,569	1,456
7. Area applied for (Total) ...	1,151	908	1,027
8. Percentage irrigated of total culturable area under command ...	29.81	33.39	30.98
9. Lowest supply reached during the year ... M. C. Ft. .	3.67	0.57	1.89
10. Date on which supply was lowest per Item 9 ...	11th October 1908.	21st October 1909.	31st December 1910.
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	11	1.95	} 88.6 M. c. ft.
12. Supply utilised do. ...	Nil.	2.30	
	11	1.95	} 88.6 M. c. ft.
	Nil.	2.30	
13. Duty per cubic foot per second. { Kharif ...	80.72	†483.59	} 16.43 per do.
{ Rabi ...	.....	272.17	

General Remarks.—The rainfall in the tract during the years included in the triennium

REPORT, 1908-1909 to 1910-1911.

WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Ghadia Nala and Rainfall.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
19,108	41,732	23,075	.....	} The figures in columns 5 to 7 relate to end of triennial period.
2,54,471	1,97,147	69,224	.....
38,989	16,658	2,216	.....
1,940	
2,93,374	2,15,659	71,078	.....
4,364	
235	
4,599	
3,402	
.....	
2,755	
1,844	
0.72	
647	
0.25	
3.12	
1.87	
1.25	
.....	* No special establishment was engaged for measurement of irrigated areas.
58,992	
Inches.	Inches.	Inches.	Inches.	
.....	
30.35	
Acres.	Acres.	Acres.	Acres.	
4,700	
875	
600	
1,475	
1,029	
31.39	
.....	
.....	
.....	
.....	
.....	
.....	
.....	† This is high because there was leakage in the stream below which was picked up and utilized.

was scanty. All the works are completed and the tank was brought into operation in 1909-1910.

DECCAN AND GUJARAT TRIENNIAL
MINOR WORKS AND NAVIGATION—WORKS FOR

Name of Work—Sahiat Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	*20,544 40,358	66,128	31,859
2. Do. do. to end of year ...	61,157	1,27,285	1,59,144
3. Interest charges to end of year ...	1,373	4,449	9,136
4. Net Revenue do.	-3,276
5. Total sum at charge do. ...	62,530	1,31,734	1,71,556
6. Revenue—Water-rate assessment	1,621
7. Miscellaneous receipts do.	11
8. Total (assessment)	1,632
9. Total (collection)	473
10. Refunds
11. Working expenses	3,749
12. Net Revenue based on assessment	-2,117
13. Percentage based on Capital	1.33
14. Net Revenue based on collection	-3,276
15. Percentage based on Capital	2.06
16. Gross assessed Revenue per acre irrigated	3.92
17. Working expenses do.	9.01
18. Net assessed Revenue do.	5.09
19. Cost of measurement do.	†.....
20. Estimated value of crops irrigated	10,025
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage)
2. Do. (do. Irrigation)	38.48
	Acres.	Acres.	Acres.
3. Total culturable area under command	4,000
4. Area irrigated, Kharif	394
5. Do. Rabi	22
6. Do. Total	416
7. Area applied for (Total)	450
8. Percentage irrigated of total culturable area under command	10.40
9. Lowest supply reached during the year ... M. C. Ft.	12.86
10. Date on which supply was lowest per Item 9	31st December 1910.
11. Supply entering the Canal at head, average discharge in cubic feet per second	} 133.7 M.c.ft.
12. Supply utilised do.	} 133.7 M.c.ft.
13. Duty per cubic foot per second.	} 3.11 per do.

General Remarks.—The works were practically completed and the tank was brought over an area which otherwise would have failed altogether.

REPORT, 1908-1909 to 1910-1911.

WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Sahiat Nala.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
52,963	85	.....	.....	* Famine normal outlay and land compensation charges in previous years adjusted.
1,59,144	255	.....	.....	} The figures in columns 5 and 6 relate to end of triennial period.
9,136	4	.....	.....
-3,276	
1,71,556	259	.....	.....
540	
4	
544	
158	
.....	
1,250	
-706	
0.44	
-1,092	
0.69	
3.94	
9.06	
5.12	
.....	
3,342	† No special establishment was engaged for measurement of irrigated areas.
Inches.	Inches.	Inches.	Inches.	
.....	
.....	
Acres.	Acres.	Acres.	Acres.	
4,000	
132	
7	
139	
150	
.....	
.....	
.....	
.....	
.....	
.....	

into operation for the first time in 1910-11 and it proved of great use in saving the rice crop

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Hartala Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year	.....	.....	.....
2. Do. do. to end of year...	73,382	73,382	73,382
3. Interest charges to end of year ...	69,519	71,129	72,748
4. Net Revenue do. ...	17,822	18,740	18,946
5. Total sum at charge do. ...	1,25,079	1,25,771	1,27,184
6. Revenue—Water-rate assessment ...	122	22	.....
7. Miscellaneous receipts do. ...	407	1,184	694
8. Total (assessment) ...	529	1,206	694
9. Total (collection) ...	508	1,252	710
10. Refunds ...	.....	.....	.....
11. Working expenses ...	248	334	504
12. Net Revenue based on assessment ...	281	872	190
13. Percentage based on Capital ...	0.38	1.19	0.26
14. Net Revenue based on collection ...	260	918	206
15. Percentage based on Capital ...	0.35	1.25	0.28
16. Gross assessed Revenue per acre irrigated...	*11.50	*134	.....
17. Working expenses do. ...	5.89	37.11	.....
18. Net assessed Revenue do. ...	6.11	96.89	.....
19. Cost of measurement do. ...	.....	.....	.....
20. Estimated value of crops irrigated ...	433	360	.....
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	} 25.57	} 32.78	} 30.59
2. Do. (do. Irrigation) ...			
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	527	527	527
4. Area irrigated, Kharif ...	17	1	.....
5. Do. Rabi ...	29	8	.....
6. Do. Total ...	46	9	.....
7. Area applied for (Total) ...	50	8	.....
8. Percentage irrigated of total culturable area under command ...	8.73	1.71	.....
9. Lowest supply reached during the year M.C. Ft....	2.82	Dry.	Dry.
10. Date on which supply was lowest per Item 9	17th June 1908	27th Apr. 1909	4th June 1910
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	0.10	.....	.....
	} Rabi ...	} 0.05	}
12. Supply utilised do. ...	} Kharif... 0.10	}	}
	} Rabi ... 0.08	} 0.05	}
13. Duty per cubic foot per second ...	} Kharif... 170	}	}
	} Rabi ... 375.00	} 160	}

General Remarks.—This tank seldom fills, the catchment absorbing most of the supply. A as a water-supply than for irrigation purposes.

REPORT, 1908-1909 to 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Local Streams—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	} The figures in columns 5 to 8 relate to end of triennial period.
73,382	73,382	73,382	73,382	
72,748	67,896	62,694	56,940	
18,946	17,562	16,560	15,994	
1,27,184	1,23,716	1,17,866	1,12,987	
48	86	6	52	
762	477	443	565	
810	563	449	618	
823	549	471	562	
.....	
362	215	282	283	
448	348	167	335	
0.61	0.47	0.23	0.46	
461	334	189	279	
0.63	0.45	0.26	0.38	
*45.00	8.28	.....	22.07
20.11	3.16	.....	10.11
24.89	5.12	.....	11.96
.....	
264	1,175	142	354	
Inches.	Inches.	Inches.	Inches.	*The very high rate is owing to large miscellaneous receipts.
29.65	25.94	19.76	17.52	
Acres.	Acres.	Acres.	Acres.	
527	527	527	527	
6	58	4	5	
12	10	1	23	
18	68	5	28	
19	64	6	29	
3.42	12.90	0.95	5.31	
.....	
.....	
.....	.....	.....	0.24
.....	.....	.....	0.31
.....	.....	.....	0.24
.....	.....	.....	0.31
.....	.....	.....	2.74
.....	.....	.....	50.45

very limited storage is the consequence even after heavy rainfall. The tank is more useful

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR

Name of Work—Mhasva Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year...	.....	.....	.....
2. Do. do. to end of year.	1,38,956	1,38,956	1,38,956
3. Interest charges to end of year ...	1,62,853	1,67,177	1,71,526
4. Net Revenue do. ...	-10,062	-8,315	-7,317
5. Total sum at charge do. ...	3,11,871	3,14,448	3,17,799
6. Revenue—Water-rate assessment ...	917	1,141	696
7. Miscellaneous receipts do. ...	852	1,858	537
8. Total (assessment) ...	1,769	2,999	1,233
9. Total (collection) ...	2,698	2,838	1,792
10. Refunds ...	.....	.....	.....
11. Working expenses ...	1,103	1,091	794
12. Net Revenue based on assessment ...	666	1,908	439
13. Percentage based on Capital ...	0.48	1.37	0.32
14. Net Revenue based on collection ...	1,595	1,747	998
15. Percentage based on Capital ...	1.15	1.26	0.72
16. Gross assessed Revenue per acre irrigated...	3.85	5.40	3.49
17. Working expenses do. ...	2.40	1.97	2.25
18. Net assessed Revenue do. ...	1.45	3.43	1.24
19. Cost of measurement do. ...	Pies 6	Pies 4	Pies 7
20. Estimated value of crops irrigated ...	10,619	9,261	3,812
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	.....	.....	.....
2. Do. (do. Irrigation) ...	22.01	32.11	32.50
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	4,075	4,075	4,075
4. Area irrigated, Kharif ...	13	22	118
5. Do. Rabi ...	447	533	235
6. Do. Total ...	460	555	353
7. Area applied for (Total) ...	352	483	281
8. Percentage irrigated of total culturable area under command ...	11.29	13.62	8.66
9. Lowest supply reached during the year M.C. Ft....	Dry.	3.66	17
10. Date on which supply was lowest per Item 9 ...	28th June 1908.	2nd June 1909.	8th June 1910.
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	0.62	0.62	0.30
	5.40	4.94	2.29
12. Supply utilised do. ...	0.62	0.62	0.30
	5.40	4.94	2.29
13. Duty per cubic foot per second. ...	20.96	35.50	393.33
	102.22	110.53	105.68

General Remarks :—This tank usually fills and very often overflows, but being situated revenue is under "Miscellaneous," i.e., cultivation in the tank bed, the sale of fishing rights

REPORT, 1908-1909 to 1910-1911.

WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Local Streams—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.	
5	6	7	8	9	
Rs.	Rs.	Rs.	Rs.		
.....	} The figures in columns 5 to 8 relate to end of triennial period.	
1,38,956	1,38,956	1,38,956	1,38,956		
1,71,526	1,58,495	1,44,524	1,29,071		
-7,317	-11,657	-12,820	-10,711		
3,17,799	3,09,108	2,90,339	2,72,839		
918	984	871	1,140		
1,082	792	299	488		
2,000	1,776	1,170	1,628		
2,443	1,535	1,123	1,433		
.....	6	26	.....	
996	1,141	1,800	1,424		
1,004	635	-630	204		
0.72	0.46	0.45	0.15		
1,447	388	-703	9		
1.04	0.28	0.51	0.00		
4.38	3.73	3.06	2.90		
2.18	2.40	4.70	2.54		
2.20	1.33	1.64	0.36		
Pies 6	Pies 7	Pies 5	.....	
7,897	8,046	7,974	9,688		
Inches.	Inches.	Inches.	Inches.		
.....		
28.87	25.18	24.37	21.84		
Acres.	Acres.	Acres.	Acres.		
4,075	4,075	4,075	4,075		
51	43	111	151		
405	433	272	410		
456	476	383	561		
372	407	338	449		
11.19	11.68	9.40	13.77		
.....	45.28	47.19		
.....		
0.51	0.65	0.78	0.80		
4.21	2.72	1.76	1.44		
0.51	0.65	0.78	0.80		
4.21	2.72	1.76	1.44		
143.93	61.35	142.78	232.29		
106.14	163.29	167.39	317.49		

in a cotton-growing district the demand for water is usually small. The chief source of and of babul trees.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Jamda Canals

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year...	.....	.....	.....
2. Do. do. to end of year.	10,41,089	10,41,089	10,41,089
3. Interest charges to end of year ...	16,18,889	16,52,173	16,85,645
4. Net Revenue do. ...	-2,31,073	-2,31,240	-2,30,500
5. Total sum at charge do. ...	28,91,051	29,24,502	29,57,234
6. Revenue—Water-rate assessment ...	5,731	4,536	3,715
7. Miscellaneous receipts do. ...	1,781	757	2,579
8. Total (assessment)...	7,462	5,293	6,294
9. Total (collection) ...	10,059	7,727	8,075
10. Refunds ...	16	.....	142
11. Working expenses ...	7,109	7,894	7,193
12. Net Revenue based on assessment ...	353	-2,601	-899
13. Percentage based on Capital ...	0.03	0.25	0.09
14. Net Revenue based on collection ...	2,934	-167	740
15. Percentage based on Capital ...	0.28	0.02	0.07
16. Gross assessed Revenue per acre irrigated .	2.64	2.78	6.31
17. Working expenses do. ...	2.52	4.15	7.21
18. Net assessed Revenue do. ...	0.12	1.37	0.90
19. Cost of measurement do. ...	Anna 1 pies 3	Anna 1 pies 3	Anna 1 pies 5
20. Estimated value of crops irrigated ...	48,453	77,140	24,433
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage)...	18.73	23.53	29.31
2. Do. (do. Irrigation)...	18.73	23.53	29.36
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	40,185	40,185	40,185
4. Area irrigated, Kharif ...	1,042	315	274
5. Do. Rabi ...	1,783	1,587	724
6. Do. Total ...	2,825	1,902	998
7. Area applied for (Total) ...	2,459	1,831	1,076
8. Percentage irrigated of total culturable area under command ...	7.03	4.73	2.48
9. Lowest supply reached during the year ... M. C. Ft.	.....	.....	.....
10. Date on which supply was lowest per Item 9 ...	.....	.....	.....
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	21.87	15.38	11.49
... { Kharif ...	21.96	28.14	29.27
... { Rabi ...	20.77	14.80	11.36
12. Supply utilised do. ... { Kharif ...	21.44	26.98	28.74
... { Rabi ...	50.17	21.29	24.12
13. Duty per cubic foot per second . { Kharif ...	90.44	67.79	35.11
... { Rabi ...			

General Remarks:—As there is no storage the supply is uncertain. Later rains very often is therefore very limited. The chief source of revenue is from Rabi scanty rainfall owing to their being situated in an area where the

REPORT, 1908-1909 to 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Girna River.Ghat Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	7	} The figures in columns 5 to 8 relate to end of triennial period.
10,41,089	10,41,089	10,41,089	10,41,089	
16,85,645	15,85,348	14,77,815	13,58,874	
-2,30,500	-2,34,007	-2,36,113	-2,24,600	
29,57,234	28,60,444	27,11,982	25,80,543	
4,661	6,121	4,663	6,707	
1,689	1,704	1,275	459	
6,350	7,825	5,938	7,166	
8,620	7,196	4,850	7,680	
52	63	.....	.....
7,399	6,431	8,637	24,574	
-1,049	1,394	-2,749	-17,408	
0.10	0.13	0.26	1.67	
1,169	702	-3,837	-16,894	
0.11	0.07	0.37	1.62	
3.33	2.49	2.68	2.15	
3.88	2.05	3.92	7.36	
0.55	0.44	1.24	5.21	
Anna 1 pies 4	Pies 10	Pies 10	Pies 9	
50,010	53,255	20,594	41,387	
Inches.	Inches.	Inches.	Inches.	
23.86	.....	.....	.....
23.87	17.03	24.89	15.89	
Acres.	Acres.	Acres.	Acres.	
40,185	40,185	40,185	40,185	
544	1,392	648	1,439	
1,365	1,744	1,563	1,901	
1,909	3,136	2,211	3,340	
1,789	2,653	1,909	3,050	
4.75	7.80	5.50	8.31	
.....	} Weir project.
.....	
16.25	29.59	19.75	28.39	
26.46	12.82	45.89	23.15	
15.64	29.59	19.75	28.39	
25.72	12.82	45.89	23.15	
31.86	40.50	29.42	53.06	
64.45	151.78	54.98	96.79	

fail and the canals in consequence run dry in the hot weather. The area of perennial irrigation irrigation and certain miscellaneous plantation. The canals irrigated most in the years of demand is small in good years.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Parsul Tank—

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year ...	.....	.....	.....
2. Do. do. to end of year ...	2,14,995	2,14,995	2,14,995
3. Interest charges to end of year ...	1,84,942	1,91,927	1,98,951
4. Net Revenue do. ...	15,072	15,447	18,261
5. Total sum at charge do. ...	3,84,865	3,91,475	3,95,685
6. Revenue—Water-rate Assessment ...	676	4,570	4,068
7. Miscellaneous receipts do. ...	256	195	38
8. Total (Assessment) ...	932	4,765	4,106
9. Total (Collection) ...	3,760	1,493	4,223
10. Refunds ...	.....	.....	.....
11. Working expenses ...	1,274	1,123	1,409
12. Net Revenue based on Assessment ...	—342	3,642	2,697
13. Percentage based on Capital ...	0.16	1.69	1.25
14. Net Revenue based on Collection ...	2,486	375	2,814
15. Percentage based on Capital ...	1.16	0.17	1.31
16. Gross assessed Revenue per acre irrigated ...	1.78	3.29	4.37
17. Working expenses do. ...	2.43	0.77	1.50
18. Net assessed Revenue do. ...	0.65	2.52	2.87
19. Cost of measurement do. ...	Anna 1 pies 7	Anna 1 pies 3	Anna 1 pies 3
20. Estimated value of crops irrigated ...	8,737	57,301	17,646
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	.....	.....	.....
2. Do. (do. Irrigation) ...	7.68	17.45	23.67
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	3,197	3,197	3,197
4. Area irrigated, Kharif ...	486	463	17
5. Do. Rabi ...	38	984	923
6. Do. Total ...	524	1,447	940
7. Area applied for (Total) ...	416	.....	920
8. Percentage irrigated of total culturable area under command ...	16.39	45.26	29.40
9. Lowest supply reached during the year ...	...M. C. Ft. ...	Dry.	Dry.
10. Date on which supply was lowest per Item 9 ...	17th Feb 1909	17th Feb 1910	1st April 1910
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif ...	4.60	2.77	4.26
{ Rabi ..	1.26	10.21	10.03
12. Supply utilised do. { Kharif ...	4.60	2.77	4.26
{ Rabi ...	1.26	10.21	10.03
13. Duty per cubic foot per second ... { Kharif ...	105.65	167.15	3.99
{ Rabi ...	34.13	97.06	93.25

General Remarks:—The increase in the average Revenue collected during the triennium establishment. The increase in the average area irrigated and the average water-rate sufficiency of water in the tank.

REPORT, 1908-1909 to 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Parsul River—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	.....	.....	.....	} The figures in columns 5 to 8 relate to end of triennial period.
2,14,995	2,14,995	2,14,995	2,14,995	
1,98,951	1,77,903	1,55,336	1,30,373	
18,261	12,586	8,741	4,194	
3,95,685	3,80,312	3,54,998	3,32,173	
3,104	2,532	2,821	1,138	
163	70	37	15	
3,267	2,602	2,858	1,153	
3,160	2,190	2,810	1,034	
.....	.....	15	.....
1,268	908	1,281	1,223	
1,999	1,694	1,577	-70	
0·93	0·79	0·73	0·03	
1,892	1,282	1,514	-189	
0·88	0·60	0·70	0·09	
3·37	4·15	4·32	3·06	
1·30	1·45	1·94	3·24	
2·07	2·70	2·38	0·18	
Anna 1 pies 4	Pies 6	Pies 8	.....
27,895	12,613	8,146	6,304	
Inches.	Inches.	Inches.	Inches.	
.....	
16·27	10·50	15·10	9·89	
Acres.	Acres.	Acres.	Acres.	
3,197	3,197	3,197	3,197	
322	44	35	233	
648	582	627	144	
970	626	662	377	
445	594	606	411	
30·34	19·58	20·71	11·79	
.....	
.....	
3·88	1·06	1·84	2·71	
7·18	4·43	3·84	3·09	
3·88	1·06	1·84	2·71	
7·18	4·43	3·84	3·09	
92·26	36·05	85·55	107·76	
74·81	126·55	170·87	55·98	

is satisfactory. The increase in the working expenses is due to the method of charging assessment for the triennium ending 1910-11 over the previous triennia is due to the

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR

Name of Work—Pravara River Works—Ojhar Left Bank Canal.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	.....	.....	.....
2. Do. do. to end of year.	3,47,550	3,47,550	3,47,550
3. Interest charges to end of year ...	4,20,371	4,31,262	4,42,214
4. Net Revenue do. ...	-90,099	-84,947	-80,196
5. Total sum at charge do. ...	8,58,020	8,63,759	8,69,960
6. Revenue—Water-rate assessment ...	11,182	10,068	8,517
7. Miscellaneous receipts do. ...	720	498	1,423
8. Total (assessment) ...	11,902	10,566	9,940
9. Total (collection) ...	15,233	13,162	12,775
10. Refunds ...	24	.....	3
11. Working expenses ...	9,236	8,010	8,021
12. Net Revenue based on assessment ...	2,666	2,556	1,919
13. Percentage based on Capital ...	0.77	0.74	0.55
14. Net Revenue based on collection ...	5,973	5,152	4,751
15. Percentage based on Capital ...	1.72	1.48	1.37
16. Gross assessed Revenue per acre irrigated.	1.47	1.71	4.02
17. Working expenses do. ...	1.14	1.30	3.25
18. Net assessed Revenue do. ...	0.33	0.41	0.77
19. Cost of measurement do. ...	pies 11	anna 1 pies 3	anna 1 pies 4
20. Estimated value of crops irrigated ...	1,66,863	1,83,735	92,441
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	21.48	18.07	29.37
2. Do. (do. Irrigation) ...	21.48	15.87	29.37
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	21,155	21,155	21,155
4. Area irrigated, Kharif ...	4,700	3,472	745
5. Do. Rabi ...	3,405	2,707	1,726
6. Do. Total ...	8,105	6,179	2,471
7. Area applied for (Total) ...	14,564	11,561	4,392
8. Percentage irrigated of total culturable area under command ...	38.31	29.21	11.68
9. Lowest supply reached during the year ...	.....	.....	.....
10. Date on which supply was lowest per Item 9 ...	.....	.....	.....
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	85.40	45.48	27.43
	24.78	18.49	42.41
12. Supply utilised do. ...	77.65	38.52	22.95
	23.98	17.16	34.21
13. Duty per cubic foot per second. ...	60.53	90.13	32.46
	120.89	170.31	63.40

*General Remarks:—*The Ojhar Left Bank Canal draws its supply from the Pravara. This Canal will be converted into a perennial Canal on completion of the Bhandardara. The work of widening and extending the Canal is in progress. The decrease in area

REPORT, 1908-1909 to 1910-1911.

WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Pravara River—Ghat Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	3,006	2,831	370	} The figures in columns 5 to 8 relate to end of triennial period.
3,47,550	3,47,550	3,38,530	3,31,386	
4,42,214	4,09,396	3,74,467	3,37,191	
-80,196	-96,072	-1,10,820	-1,19,999	
8,69,960	8,53,018	8,13,231	3,47,001	
9,922	5,489	9,744	9,186	
880	565	997	354	
10,802	6,054	10,741	9,540	
13,723	10,639	9,211	4,291	
9	215	89	12	
8,422	5,508	6,062	23,148	
2,380	546	4,679	-13,608	
0.68	0.15	1.38	4.11	
5,292	4,916	3,060	-18,869	
1.52	1.41	0.90	5.69	
1.93	1.59	1.47	1.50	
1.51	1.45	0.83	3.65	
0.42	0.14	0.64	2.15	
anna 1 pies 2	anna 1 pies 3	pies 11	pies 10	
1,47,680	63,098	68,519	60,094	
Inches.	Inches.	Inches.	Inches.	
22.97	.....	.....	.....
22.24	17.36	16.04	13.94	
Acres.	Acres.	Acres.	Acres.	
21,155	21,155	21,155	21,155	
2,972	2,257	5,440	3,933	
2,613	1,538	1,888	2,396	
5,585	3,795	7,328	6,329	
10,172	7,322	11,482	9,133	
26.40	17.94	34.64	29.92	
.....	
.....	
52.77	60.22	62.92	53.26	
28.56	15.88	25.75	25.48	
46.37	49.88	49.64	43.08	
25.12	15.36	22.88	24.05	
61.04	45.70	85.84	74.60	
121.20	121.53	82.47	99.49	

River and only flows as long as the river supply is sufficient.

Reservoir.

irrigated in both the seasons is due to timely and seasonable rainfall.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Bhatodi Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year...	.....	.....	.....
2. Do. do. to end of year.	3,79,707	3,79,707	3,79,707
3. Interest charges to end of year ...	5,33,877	5,45,720	5,57,630
4. Net Revenue do. ...	-16,537	-14,022	-10,289
5. Total sum at charge do. ...	9,30,171	9,39,449	9,47,626
6. Revenue—Water-rate assessment ...	5,145	6,551	6,889
7. Miscellaneous receipts do. ...	967	1,304	1,266
8. Total (assessment) ...	6,112	7,855	8,155
9. Total (collection) ...	6,153	8,678	6,366
10. Refunds ...	14	47	.....
11. Working expenses ...	4,247	6,066	2,633
12. Net Revenue based on assessment ...	1,865	1,789	5,522
13. Percentage based on Capital ...	0.49	0.47	1.45
14. Net Revenue based on collection ...	1,892	2,565	3,733
15. Percentage based on Capital ...	0.50	0.68	0.98
16. Gross assessed Revenue per acre irrigated.	5.04	5.20	7.64
17. Working expenses do. ...	3.50	4.02	2.47
18. Net assessed Revenue do. ...	1.54	1.18	5.17
19. Cost of measurement do.* ...	.....	.....	.....
20. Estimated value of crops irrigated ...	54,157	73,996	53,013
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	.....	.....	.....
2. Do. (do. Irrigation) ...	17.54	23.58	29.98
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	13,657	13,657	13,657
4. Area irrigated, Kharif ...	67	460	57
5. Do. Rabi ...	1,145	1,050	1,011
6. Do. Total ...	1,212	1,510	1,068
7. Area applied for (Total) ...	1,454	1,751	1,218
8. Percentage irrigated of total culturable area under command ...	8.87	11.06	7.82
9. Lowest supply reached during the year ... } M.C.Ft. Dry ...	5.27	5.27	0.31
10. Date on which supply was lowest per item	12th Feb. 09	13th June 09	14th June 10.
11. Supply entering the Canal at head, average discharge in cubic feet per second ... } Kharif ...	1.24	1.22	0.21
... } Rabi ...	7.06	4.54	2.55
12. Supply utilised do. ... } Kharif ...	1.24	1.22	0.21
... } Rabi ...	7.06	4.54	2.55
13. Duty per cubic foot per second. { Kharif ...	50.81	370.49	271.43
... { Rabi ...	176.48	320.26	420.00

General Remarks.—The capacity of the tank is gradually getting less on account of

REPORT, 1908-1909 to 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Mehakri River—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.	
5	6	7	8	9	
Rs.	Rs.	Rs.	Rs.		
.....	.....	.....	.....	} The figures in columns 5 to 8 relate to end of triennial period.
3,79,707	3,79,707	3,79,707	3,79,707		
5,57,630	5,21,942	4,83,679	4,41,358		
-10,289	-18,479	-32,707	-36,814		
9,47,626	9,20,128	8,81,777	8,18,604		
6,195	4,601	3,361	4,362		
1,179	1,396	517	545		
7,374	5,997	3,878	4,907		
7,065	7,339	4,073	3,426		
20	105	.....	.....
4,315	2,491	2,704	15,962		
3,059	3,506	1,174	-11,055		
0.81	0.92	0.31	2.91		
2,730	4,743	1,369	-12,536		
0.72	1.25	0.36	3.30		
5.83	5.90	6.17	5.00		
3.41	2.45	4.30	16.26		
2.42	3.45	1.87	11.26		
.....		*Area being sub-divided, there is no cost of measurement.
60,389	32,641	5,713	19,479		
Inches.	Inches.	Inches.	Inches.		
.....		
23.70	18.43	20.99	13.47		
Acres.	Acres.	Acres.	Acres.		
.....		
13,657	13,657	13,657	13,657		
195	582	309	540		
1,069	434	320	442		
1,264	1,016	629	982		
1,474	1,245	793	1,250		
9.26	7.44	4.61	7.19		
.....		
.....		
0.89	3.95	1.69	5.73		
4.72	4.72	2.17	7.95		
0.89	3.95	1.69	5.73		
4.72	4.72	2.17	7.95		
230.91	155.63	194.03	102.39		
305.58	354.82	312.03	55.33		

silt accumulation which might in course of time tell upon the revenue.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Kasurdi Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year...	.....	.....	.....
2. Do. do. to end of year.	45,590	45,590	45,590
3. Interest charges to end of year ...	68,220	69,590	70,968
4. Net Revenue do. ...	-14,648	-14,775	-14,824
5. Total sum at charge do. ...	1,28,458	1,29,955	1,31,382
6. Revenue—Water-rate assessment ...	51	83	345
7. Miscellaneous receipts do. ...	156	405	437
8. Total (assessment) ...	207	488	782
9. Total (collection) ...	410	467	657
10. Refunds ...	.....	.....	.....
11. Working expenses ...	641	594	706
12. Net Revenue based on assessment ...	-434	-106	76
13. Percentage based on Capital ...	0.95	0.23	0.17
14. Net Revenue based on collection ...	-231	-127	-49
15. Percentage based on Capital ...	0.51	0.28	0.11
16. Gross assessed Revenue per acre irrigated ...	10.89	10.61	8.18
17. Working expenses do. ...	33.73	12.91	2.87
18. Net assessed Revenue do. ...	22.84	2.30	0.31
19. Cost of measurement do. ...	.....	Pies 8	Pies 7
20. Estimated value of crops irrigated ...	986	2,192	10,912
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	13.60	12.32	19.24
2. Do. (do. Irrigation) ...			
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	478	478	478
4. Area irrigated, Kharif ...	.....	10	146
5. Do. Rabi ...	19	36	100
6. Do. Total ...	19	46	246
7. Area applied for (Total) ...	12	45	246
8. Percentage irrigated of total culturable area under command ...	3.97	9.62	51.46
9. Lowest supply reached during the year ... M.O.Ft.	Dry.	Dry.	Dry.
10. Date on which supply was lowest per Item 9.	1st April 1908.	7th November 1909.	1st April 1910.
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	{ Kharif ... Rabi ...	{	{
12. Supply utilised do. ...	{ Kharif ... Rabi ...	{	{
13. Duty per cubic foot per second .	{ Kharif ... Rabi ...	{	{

General Remarks.—This tank has a very

REPORT, 1908-1909 TO 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Kasurdi Nala—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	.....	.....	.....	} The figures in columns 5 to 8 relate to end of triennial period.
45,590	45,590	45,590	45,590	
70,968	66,839	62,410	57,511	
-14,824	-14,417	-13,768	-13,386	
1,31,382	1,26,846	1,19,809	1,14,663	
160	178	189	126	
333	341	342	650	
493	519	531	776	
511	519	567	771	
.....	
647	735	694	505	
-154	-216	-163	271	
0.34	0.47	0.36	0.59	
-136	-216	-127	266	
0.30	0.47	0.28	0.58	
4.74	5.83	4.83	10.48	
6.22	8.26	6.31	6.82	
1.48	2.43	1.48	3.66	
Pies 5	.....	.....	.....
4,697	2,543	3,757	1,329	
Inches.	Inches.	Inches.	Inches.	
15.05	{ 17.04	.....	.....
	16.47	15.76	10.87	
Acres.	Acres.	Acres.	Acres.	
478	478	478	478	
52	5	28	28	
52	84	82	46	
104	89	110	74	
101	109	143	61	
21.76	18.62	23.01	15.48	
.....	
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small catchment with precarious rainfall.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Shirsuphal Tank.

Particulars	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year...	.....	.....	.....
2. Do. do. to end of year.	2,24,568	2,24,568	2,24,568
3. Interest charges to end of year ...	2,45,553	2,52,679	2,59,845
4. Net Revenue do. ...	-8,616	-6,896	-7,172
5. Total sum at charge do. ...	4,78,737	4,84,143	4,91,585
6. Revenue—Water-rate Assessment ...	2,078	3,010	2,288
7. Miscellaneous receipts do. ...	408	615	72
8. Total (assessment) ...	2,486	3,625	2,360
9. Total (collection) ...	2,511	3,603	2,224
10. Refunds ...	.....	.....	.....
11. Working expenses ...	2,366	1,983	2,500
12. Net Revenue based on assessment ...	120	1,742	-140
13. Percentage based on Capital ...	0.05	0.78	0.06
14. Net Revenue based on collection ...	145	1,720	-276
15. Percentage based on Capital ...	0.06	0.77	0.12
16. Gross assessed Revenue per acre irrigated...	2.96	2.45	2.16
17. Working expenses do. ...	2.82	1.27	2.28
18. Net assessed Revenue do. ...	0.14	1.18	0.12
19. Cost of measurement do. ...	Pies 8	Pies 9	Pies 11
20. Estimated value of crops irrigated ...	44,931	62,971	61,965
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage)...	12.22	17.10	18.57
2. Do. (do. irrigation) ...	12.00	17.10	18.57
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	2,500	2,500	2,500
4. Area irrigated, Kharif ...	.....	484	131
5. Do. Rabi ...	839	997	964
6. Do. Total ...	839	1,481	1,095
7. Area applied for (Total) ...	722	1,362	1,095
8. Percentage irrigated of total culturable area under command ...	33.56	59.24	43.80
9. Lowest supply reached during the year ...	M.C.Ft.	M.C.Ft.	M.C.Ft.
10. Date on which supply was lowest per Item 9.	Dry. 1st April 1908	Dry. 16th January 1910	Dry. 1st April 1910
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	.....	1.57	1.34
	Kharif .	Kharif .	Kharif .
	Rabi ...	7.67	10.59
	4.27	7.67	10.59
12. Supply utilised do. ...	.....	1.57	1.34
	Kharif .	Kharif .	Kharif .
	Rabi ...	7.67	10.59
	4.27	7.67	10.59
13. Duty per cubic foot per second...	.....	308.28	98.00
	Kharif .	Kharif .	Kharif .
	Rabi ...	151.50	91.00
	196.00	151.50	91.00

General Remarks.—(1) The supply from this tank being uncertain, perennial irrigation preference to perennial, and this explains how the proportion of
(2) The fall in revenue in the last year of the triennium is due to

REPORT, 1908-1909 TO 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Minor Tributary of the Bhima River—Deccan Catchment.

Average for the triennium under report.	1905-1908 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	} The figures in columns 5 to 8 relate to end of triennial period.
2,24,568	2,24,568	2,24,568	2,24,568	
2,59,845	2,38,372	2,15,351	1,89,887	
-7,172	-8,761	-9,771	-9,050	
4,91,585	4,71,701	4,40,227	4,15,389	
2,459	2,785	1,926	1,725	
365	184	69	75	
2,824	2,969	1,995	1,800	
2,779	3,080	1,655	2,087	
.....	2	.....	.....
2,250	2,735	1,902	2,394	
574	234	93	-594	
0.26	0.10	0.04	0.26	
529	343	-247	-307	
0.24	0.15	0.11	0.14	
2.48	2.56	2.41	1.87	
1.98	2.36	2.30	2.48	
0.50	0.20	0.11	0.61	
Pies. 9	.....	.....	.....
56,622	85,130	64,992	54,266	
Inches.	Inches.	Inches.	Inches.	
15.96	.....	.....	.....
15.89	12.77	13.66	8.56	
Acres.	Acres.	Acres.	Acres.	
2,500	2,500	2,500	2,500	
205	482	315	603	
933	676	511	361	
1,138	1,153	826	964	
1,060	1,160	1,021	696	
45.52	46.32	33.04	38.56	
.....	
.....	
0.97	1.75	1.70	3.44	
7.51	4.19	4.37	2.47	
0.97	1.75	1.70	3.44	
7.51	4.19	4.37	2.47	
135.43	338.00	174.00	228.60	
146.17	350.00	154.00	120.00	

solely depending upon it is not possible. Water is therefore issued to Rabi crops in area irrigated to area under command is high.
the short supply for monsoon crops.

DECCAN AND GUJARA'T TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR

Name of Work—*Bhādātovādi Tank.*

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year ... ..	.....	.....	.....
2. Capital outlay, direct and indirect, to end of year	2,27,422	2,27,422	2,27,422
3. Interest charges to end of year	2,42,430	2,49,586	2,56,783
4. Net Revenue do.	7,487	10,609	13,288
5. Total sum at charge do.	4,62,365	4,66,399	4,70,917
6. Revenue—Water-rate assessment	3,493	3,923	3,455
7. Miscellaneous receipts do.	210	785	1,429
8. Total (assessment)	3,703	4,708	4,884
9. Total (collection)	1,255	5,849	5,519
10. Refunds ... ..	.....	.....	.....
11. Working expenses	2,466	2,727	2,840
12. Net Revenue based on assessment	1,237	1,981	2,044
13. Percentage based on Capital	0.54	0.87	0.90
14. Net Revenue based on collection	—1,211	3,122	2,679
15. Percentage based on Capital	0.53	1.37	1.18
16. Gross assessed Revenue per acre irrigated... ..	2.35	2.37	3.08
17. Working expenses do.	1.58	1.37	1.79
18. Net assessed Revenue do.	0.79	1.00	1.29
19. Cost of measurement do.	Pies 6	Pies 8	Pies 9
20. Estimated value of crops irrigated	92,661	82,241	51,755
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage)	} 24.70	} 17.15	} 21.72
2. Do. (do. Irrigation)			
	Acres.	Acres.	Acres.
3. Total culturable area under command	2,400	2,400	2,400
4. Area irrigated, Kharif ... ..	.....	577	70
5. Do. Rabi	1,578	1,409	1,516
6. Do. Total	1,578	1,986	1,586
7. Area applied for (Total)	1,581	1,870	1,586
8. Percentage irrigated of total culturable area under command	65.75	82.75	66.08
9. Lowest supply reached during the year	M.C.Ft. Dry.	M.C.Ft. Dry.	M.C.Ft. Dry.
10. Date on which supply was lowest per Item 9	1st April 1908.	2nd February 1910.	1st April 1910.
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif ... ..	.....	2.11	0.40
{ Rabi	5.57	8.65	3.58
12. Supply utilised do. { Kharif ... ..	.....	2.11	0.40
{ Rabi	5.57	8.65	3.58
13. Duty per cubic foot per second { Kharif ... ..	.....	273.46	175
{ Rabi	283	168.09	423

General Remarks.—(1) The tank has an uncertain supply and therefore perennial irrigation in preference to perennial, and this explains why a large proportion

(2) For the first year of the triennium the supply for Rabi was in excess cultivators did not take advantage of the water owing to the good

REPORT, 1908-1909 to 1910-1911.

WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Minor Tributary of the Bhima River—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	
2,27,422	2,27,422	2,27,422	2,27,422	} The figures in columns 5 to 8 relate to end of triennial period.
2,56,783	2,35,218	2,12,097	1,86,522	
13,288	8,698	5,444	4,889	
4,70,917	4,53,942	4,26,473	4,02,092	
3,624	3,252	2,974	1,998	
808	171	31	245	
4,432	3,423	3,005	2,243	
4,208	3,835	2,236	2,859	
.....	8	1	.....
2,678	2,742	2,050	2,082	
1,754	681	955	161	
0.77	0.30	0.42	0.07	
1,530	1,085	185	777	
0.67	0.48	0.08	0.34	
2.58	2.51	2.14	2.24	
1.56	2.01	1.46	2.08	
1.02	0.50	0.68	0.16	
Pies 8	.....	.....	.....
75,552	68,861	70,560	40,203	
Inches.	Inches.	Inches.	Inches.	
21.19	18.36	.....	.....
	17.33	17.76	12.52	
Acres.	Acres.	Acres.	Acres.	
2,400	2,400	2,400	2,400	
216	427	404	469	
1,501	937	996	532	
1,717	1,364	1,400	1,001	
1,679	1,597	1,658	730	
71.54	56.83	58.33	41.71	
.....	
.....	
0.84	1.49	2.95	2.70	
5.93	3.72	5.40	4.33	
0.84	1.49	2.95	2.70	
5.93	3.72	5.40	4.33	
149.49	297.00	132.00	205.94	
291.36	262.00	203.00	112.90	

solely depending upon tank water is not possible. Water is therefore issued to rabi crops of the area under command is irrigated. of the requirements and although a reduction in rates was made for hot weather crops, the rabi season.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Koregaon Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year ... ..	.....	.....	.....
2. Capital outlay, direct and indirect, to end of year	39,189	33,189	39,189
3. Interest charges to end of year	51,545	52,818	54,099
4. Net Revenue do.	-5,084	-5,635	-6,732
5. Total sum at charge do.	95,818	97,642	1,00,020
6. Revenue—Water-rate Assessment	1,352	1,116	1,365
7. Miscellaneous receipts do.	56	41	65
8. Total (Assessment)... ..	1,408	1,157	1,430
9. Total (Collection)	836	1,066	1,319
10. Refunds ... ..	.....	.....	.....
11. Working Expenses	1,909	1,617	2,416
12. Net Revenue based on Assessment	-501	-460	-986
13. Percentage based on Capital	1.23	1.17	2.52
14. Net Revenue based on Collection	-1,073	-551	-1,097
15. Percentage based on Capital	2.74	1.41	2.80
16. Gross assessed Revenue per acre irrigated... ..	2.85	2.52	2.26
17. Working expenses do.	3.86	3.52	3.82
18. Net assessed Revenue do.	1.01	1.00	1.56
19. Cost of measurement do.	Anna 1	Pies 2	Pies 8
20. Estimated value of crops irrigated	2,485	11,127	11,360
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting Storage) ... ..	.....	.....	.....
2. Do. (do. Irrigation)	21.96	21.72	33.70
	Acres.	Acres.	Acres.
3. Total culturable area under command	Not known.	Not known.	Not known.
4. Area irrigated, Kharif ... ..	.....	.....	.....
5. Do. Rabi	494	459	633
6. Do. Total	494	459	633
7. Area applied for (Total)	540	482	645
8. Percentage irrigated of total culturable area under command ... ..	.....	.....	.....
9. Lowest supply reached during the year M. C. Ft.	Dry	Dry at com-	Dry
10. Date on which supply was lowest per Item 9	19th February 1908.	mencement of the year.	1st April 1910.
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif ... ..	.....	.....	.....
{ Rabi	3.09	2.95	4.69
12. Supply utilised do { Kharif ... ..	.....	.....	.....
{ Rabi	3.09	2.95	4.69
13. Duty per cubic foot per second. { Kharif ... ..	.....	.....	.....
{ Rabi	159.87	155.60	134.96

General Remarks.—An old work restored. The embankment, though massive, is of old working expenses exceed the average revenue.

REPORT, 1908-1909 TO 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Nala—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	
39,189	39,189	39,189	39,189	} The figures in columns 5 to 8 relate to end of triennial period.
54,099	50,262	46,148	41,597	
-6,732	-4,011	1,257	3,194	
1,00,020	93,462	82,517	75,650	
1,278	964	548	360	
54	40	67	20	
1,332	1,004	615	380	
1,074	874	504	417	
.....	
1,981	2,630	1,150	698	
-649	-1,626	-535	-318	
1-66	4-15	1-37	0-81	
-907	-1,756	-646	-281	
2-32	4-48	1-65	0-72	
2-52	2-73	2-49	2-18	
3-74	7-15	4-66	3-99	
1-22	4-42	2-17	1-81	
Pies 7	.....	Annas 9 pies 4	.....
8,324	7,914	1,551	918	
Inches.	Inches.	Inches.	Inches.	
.....	
25-79	19-99	26-94	15-48	
Acres.	Acres.	Acres.	Acres.	
Not known.	Not known.	Not known.	Not known.	
.....	124	55	19	
529	244	192	156	
529	368	247	175	
556	355	247	159	
.....	
.....	
.....	
.....	0-52	1-57	0-59	
3-58	1-97	1-64	1-24	
.....	0-48	1-54	0-50	
3-58	1-83	1-50	1-06	
.....	550-30	37-93	11-00	
150-14	569-66	128-32	118-00	

construction and liable to slips, causing frequent expenditure on special repairs and the

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR

Name of Work—Ashti Tank.

Particulars	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	.....	.....	.....
2. Do. do. to end of year	8,36,091	8,36,091	8,36,091
3. Interest charges to end of year	8,59,593	8,85,015	9,10,531
4. Net Revenue do.	-74,165	-64,422	-56,218
5. Total sum at charge do.	17,69,849	17,85,523	18,02,890
6. Revenue—Water-rate assessment	11,562	14,995	8,470
7. Miscellaneous receipts assessment.	405	536	1,555
8. Total (assessment)	11,967	15,531	10,025
9. Total (collection)	11,897	15,115	15,925
10. Refunds...	.....	.....	.....
11. Working expenses	4,791	5,372	7,721
12. Net Revenue based on assessment	7,176	10,159	2,304
13. Percentage based on Capital	0.86	1.22	0.28
14. Net Revenue based on collection	7,106	9,743	8,204
15. Percentage based on Capital	0.85	1.17	0.98
16. Gross assessed Revenue per acre irrigated...	4.04	4.13	5.18
17. Working expenses do.	1.62	1.43	3.99
18. Net assessed Revenue do.	2.42	2.70	1.19
19. Cost of measurement do.	Anna 1	.....	.....
20. Estimated value of crops irrigated	52,769	1,11,485	81,044
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage)...	21.36	21.04	33.67
2. Do. (do. Irrigation)	21.20	21.04	33.67
	Acres.	Acres.	Acres.
3. Total culturable area under command	16,825	16,825	16,825
4. Area irrigated, Kharif	513	922	905
5. Do. Rabi	2,447	2,837	1,032
6. Do. Total	2,960	3,759	1,937
7. Area applied for (Total)	3,060	4,219	2,014
8. Percentage irrigated of total culturable area under command	17.59	22.34	11.51
9. Lowest supply reached during the year	32.45	264.59	244
10. Date on which supply was lowest per Item 9	7th June 1908	1st June 1909	21st June 1910
11. Supply entering the Canal at head, average discharge in cubic feet per second	3.35	8.90	5.11
	18.53	22.00	11.11
12. Supply utilised do.	3.35	8.90	5.11
	18.53	22.00	11.11
13. Duty per cubic foot per second.	153.13	104.00	177.10
	142.79	157.36	148.33

General Remarks.—Is a useful tank in the region in which it is situated. The irrigation system has been introduced with fair success.

REPORT, 1908-1909 TO 1910-1911.

WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Ashti Nala—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	
8,36,091	8,36,091	8,36,091	8,36,091	The figures in columns 5 to 8 relate to end of triennial period.
9,10,581	8,33,974	7,51,841	6,60,995	
-56,218	-81,271	-82,295	-83,275	
18,02,890	17,51,336	16,39,758	15,45,921	
11,676	11,473	4,149	6,592	
832	408	765	802	
12,508	11,831	4,914	7,394	
14,312	5,100	5,377	6,259	
.....	
5,961	4,759	5,050	21,240	
6,547	7,122	-136	-13,846	
0.78	0.85	0.02	1.66	
8,351	341	327	-14,981	
1.00	0.04	0.04	1.79	
4.34	4.42	3.24	2.53	
2.07	1.77	3.32	7.27	
2.27	2.65	0.08	4.74	
.....	
81,766	1,13,182	34,993	81,311	
Inches.	Inches.	Inches.	Inches.	
25.36	15.52	20.47	14.20	
25.30	15.73	23.18	15.77	
Acres.	Acres.	Acres.	Acres.	
16,825	16,825	16,825	16,825	
780	885	551	504	
2,105	1,798	968	2,419	
2,885	2,683	1,519	2,923	
3,098	2,737	1,492	2,825	
17.15	15.94	9.03	17.37	
.....	
.....	
5.79	5.80	5.80	5.81	
17.21	12.15	7.86	14.32	
5.79	5.20	5.37	4.84	
17.21	11.40	7.43	12.26	
144.74	176.69	97.64	166.21	
149.49	250.93	150.98	135.22	

tion has received a stimulus since the opening of the Barsi Light Railway. The Rabi

DECCAN AND GUJARAT TRIENNIAL
MINOR WORKS AND NAVIGATION—WORKS FOR

Name of Work—Pathri Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year... to end	10,123	47,083	6,987
2. Do. do. of year ...	5,87,380	6,34,463	6,41,450
3. Interest charges to end of year ...	1,17,233	1,37,297	1,58,365
4. Net Revenue do. ...	533	450	1,131
5. Total sum at charge do. ...	7,18,901	7,86,131	8,13,505
6. Revenue—Water-rate assessment ...	2,083	3,019	3,150
7. Miscellaneous receipts do. ...	68	126	116
8. Total (assessment) ...	2,151	3,145	3,266
9. Total (collection) ...	704	2,457	2,995
10. Refunds ...	.....	.....	.....
11. Working expenses ...	997	2,540	2,314
12. Net Revenue based on assessment ...	1,154	605	952
13. Percentage based on Capital ...	0.20	0.10	0.15
14. Net Revenue based on collection ...	-293	-83	681
15. Percentage based on Capital ...	0.05	0.01	0.11
16. Gross assessed Revenue per acre irrigated...	3.47	3.52	3.36
17. Working expenses do. ...	1.61	2.84	2.38
18. Net assessed Revenue do. ...	1.86	0.68	0.98
19. Cost of measurement do. ...	Pies 8	Pies 9	Pies 9
20. Estimated value of crops irrigated ...	28,529	36,020	28,420
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	} 28.36	} 27.40	} 39.91
2. Do. (do. Irrigation) ...			
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	Not known.	4,586	4,586
4. Area irrigated, Kharif ...	290	282	57
5. Do. Rabi ...	330	611	915
6. Do. Total ...	620	893	972
7. Area applied for (Total) ...	765	910	1,254
8. Percentage irrigated of total culturable area under command ...	.....	19.47	21.19
9. Lowest supply reached during the year ... M. C. Ft....	208.72	250.90	272
10. Date on which supply was lowest per Item 9 ...	28th June 1908	29th May 1909	12th June 1910
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	0.50	0.45	0.25
12. Supply utilised do. ...	2.98	2.62	4.26
13. Duty per cubic foot per second. ...	0.50	0.45	0.25
	2.98	2.62	4.26
	4.02	6.27	2.28
	1.47	3.45.42	250.94

General Remarks.—The catchment is hilly and the rainfall and runoff are good so far.

REPORT, 1908-1909 TO 1910-1911.

WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Yeraí River—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.	
5	6	7	8	9	
Rs.	Rs.	Rs.	Rs.		
21,398	1,115	1,91,304	} The figures in columns 5 to 7 relate to end of triennial period.	
6,41,450	5,77,257	5,73,913	.....	
1,58,365	97,957	38,298	.....	
1,131	826	.....	.....
8,13,505	6,89,209	6,06,325	.....	
2,751	578	.....	.....
103	.....	.....	.....
2,854	578	.....	.....
2,052	290	.....	.....
.....		
1,950	14	.....	.....
904	564	.....	.....
0-14	0-10	.....	.....
102	276	.....	.....
0-02	0-05	.....	.....
3-44	3-36	.....	.....
2-35	0-08	.....	.....
1-09	3-28	.....	.....
Pies 9	Pies 6	.....	.....
30,990	3,882	.....	.....
Inches.	Inches.	Inches.	Inches.		
31-89	28-00		
Acres.	Acres.	Acres.	Acres.		
4,586	Not known.		
210	71		
619	101		
829	172		
976	145		
18-08		
.....		
.....		
0-40	0-81		
3-29	0-78		
0-40	0-81		
3-29	0-78		
419	325-27		
247-79	359-45		

Irrigation is progressing and the tank promises to be a success in the near future.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—*Revari Canal.*

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	.....	.....	.....
2. Do. do. to end of year.	59,811	59,811	59,811
3. Interest charges to end of year ...	92,200	94,106	96,023
4. Net Revenue do. ...	48,502	53,452	57,106
5. Total sum at charge do. ...	1,04,323	1,03,509	1,00,465
6. Revenue—Water-rate assessment ...	5,789	4,678	5,060
7. Miscellaneous receipts do. ...	167	476	70
8. Total (assessment) ...	5,956	5,154	5,130
9. Total (collection) ...	4,533	7,001	5,591
10. Refunds ...	.....	.....	.....
11. Working expenses ...	1,798	2,051	1,937
12. Net Revenue based on assessment ...	4,158	3,108	3,193
13. Percentage do. on Capital ...	6.95	5.19	5.34
14. Net Revenue do. on collection ...	2,735	4,950	3,654
15. Percentage do. on Capital ...	4.57	8.28	6.11
16. Gross assessed Revenue per acre irrigated .	4.04	4.58	3.88
17. Working expenses do. ...	1.22	1.82	1.45
18. Net assessed Revenue do. ...	2.82	2.76	2.88
19. Cost of measurement do. ...	anna 1	annas 2 pies 6.	annas 2
20. Estimated value of crops irrigated ...	93,562	79,726	72,240
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	25.45	26.40	28.30
2. Do. (do. Irrigation) ...	25.45	22.01	26.80
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	3,624	3,624	3,624
4. Area irrigated, Kharif ...	78	191	74
5. Do. Rabi ...	1,998	935	1,266
6. Do. Total ...	1,476	1,126	1,340
7. Area applied for (Total) ...	1,339	1,272	1,266
8. Percentage irrigated of total culturable area under command ...	40.73	31.07	36.98
9. Lowest supply reached during the year ...	.....	.....	.....
10. Date on which supply was lowest per Item 9 ...	.....	.....	.....
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	2.21	1.81	1.77
{ Kharif.			
{ Rabi.	11.03	5.54	6.31
12. Supply utilised do. ...	2.21	1.81	1.77
{ Kharif.			
{ Rabi.	11.03	5.54	6.31
13. Duty per cubic foot per second ...	35	106	42
{ Kharif.			
{ Rabi.	171	228	250

General Remarks.—This canal depends on

REPORT, 1908-1909 TO 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—River Warna—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	
59,811	59,811	59,811	59,811	} The figures in columns 5 to 8 relate to end of triennial period.
96,023	90,279	84,120	77,307	
57,106	45,767	47,040	39,737	
1,00,465	1,04,323	97,502	96,043	
5,176	2,343	3,476	3,165	
237	209	127	78	
5,413	2,552	3,603	3,243	
5,708	1,457	4,624	3,276	
.....	-1	4	.....
1,929	1,882	2,185	2,007	
3,484	670	1,418	1,236	
5.83	1.12	2.37	2.07	
3,779	-424	2,435	1,269	
6.32	0.71	4.07	2.12	
4.12	4.17	6.04	6.31	
1.47	3.07	3.66	3.90	
2.65	1.10	2.38	2.41	
anna 1 pies 10.	annas 2 pies 11.	annas 4 pies 2.	annas 8 pies 3.	
81,843	23,342	29,148	30,872	
Inches.	Inches.	Inches.	Inches.	
26.72	22.88	
24.75	22.37	19.50	19.12	
Acres.	Acres.	Acres.	Acres.	
3,624	3,624	3,624	3,624	
114	83	103	79	
1,200	529	489	435	
1,314	612	597	514	
1,292	568	601	645	
36.26	16.89	16.47	14.18	
.....	
.....	} Weir project.
1.93	1.10	1.86	2.08	
7.63	4.89	3.53	3.17	
1.93	1.10	1.86	2.08	
7.63	4.89	3.53	3.17	
61	71.00	59.05	36.03	
216	103.33	128.29	105.35	

the supply in the river which is precarious.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Upper Man River Works.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	.....	.....	.....
2. Do. do. to end of year	4,39,286	4,39,286	4,39,286
3. Interest charges to end of year	5,06,269	5,20,233	5,34,276
4. Net Revenue do.	—44,127	—44,484	—44,827
5. Total sum at charge do.	9,89,682	10,04,003	10,18,389
6. Revenue—Water-rate assessment	3,692	2,569	4,349
7. Miscellaneous receipts do.	64	602	532
8. Total (assessment)	3,756	3,171	4,881
9. Total (collection)	5,196	3,981	3,784
10. Refunds	.....	.....	.....
11. Working expenses	3,844	4,338	4,127
12. Net Revenue based on assessment	—88	—1,167	754
13. Percentage based on Capital ...	0.02	0.27	0.17
14. Net Revenue based on collection	1,352	—357	—343
15. Percentage based on Capital ...	0.31	0.08	0.08
16. Gross assessed Revenue per acre irrigated	3.17	4.62	4.45
17. Working expenses do.	3.25	6.32	3.76
18. Net assessed Revenue do.	0.08	1.70	0.69
19. Cost of measurement do.	Annas 3	Annas 4 pies 2	Annas 3 pies 4
20. Estimated value of crops irrigated	45,464	28,417	18,858
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage)	14.27	23.72	13.04
2. Do. (do. Irrigation)	14.27	22.72	25.39
	Acres.	Acres.	Acres.
3. Total culturable area under command	7,623	7,623	7,623
4. Area irrigated, Kharif	.....	118	115
5. Do. Rabi	1,184	569	983
6. Do. Total	1,184	687	1,098
7. Area applied for (Total)	936	1,016	1,072
8. Percentage irrigated, of total culturable area under command	15.53	9.01	14.40
9. Lowest supply reached during the year.	M. C. Ft. Nil.	31	45
10. Date on which supply was lowest per Item 9	4th June 1908.	27th May 1909.	10th June 1910.
11. Supply entering the Canal at head, average discharge in cubic feet per second.	{ Kharif ... 0.40 Rabi ... 5.61	{ 1.46 5.79	{ 2.59 6.69
12. Supply utilised do.	{ Kharif ... 0.40 Rabi ... 5.57	{ 1.37 5.45	{ 2.30 5.58
13. Duty per cubic foot per second.	{ Kharif Rabi ... 225.00	{ 86.00 157.00	{ 50.00 228.00

General Remarks.—The increase of the average of the triennium under report over that of season of 1908-1909 are also

REPORT, 1908-1909 TO 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Man River—Deccan Catchment and Pingle Tank.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	.....	26	2,837	
4,39,286	4,39,286	4,39,286	4,39,207	} The figures in columns 5 to 8 relate to end of triennial period.
5,34,276	4,92,197	4,47,104	3,97,265	
-44,827	-45,479	-39,694	-40,164	
10,18,389	9,76,962	9,10,238	8,51,756	
3,587	1,793	3,083	3,474	
399	161	242	274	
3,936	1,954	3,325	3,748	
4,320	2,272	3,908	1,664	
.....	.....	1	10	
4,103	4,200	3,750	12,555	
-167	-2,246	-425	-8,807	
0.04	0.51	0.10	2.01	
217	-1,928	157	-10,901	
0.05	0.44	0.04	2.48	
3.98	3.96	4.45	3.17	
4.15	8.50	5.01	10.60	
0.17	4.54	0.56	7.43	
Annas 3 pies 6.	Anna 1 pies 11.	Annas 4 pies 6.	Annas 3	
30,913	12,407	17,611	25,727	
Inches.	Inches.	Inches.	Inches.	
17.01	13.33	.....	.....
20.79	13.52	16.44	13.17	
Acres.	Acres.	Acres.	Acres.	
7,623	7,623	7,623	7,623	
78	98	218	611	
912	396	530	573	
990	494	748	1,184	
1,008	428	714	1,223	
12.99	6.48	9.81	15.53	
.....	
.....	
1.48	0.38	1.31	2.21	
6.03	2.37	3.56	2.91	
1.36	0.36	1.16	2.20	
5.53	2.28	3.29	2.82	
68.00	256.66	165.84	359.33	
203	134.33	152.98	198.39	

the past one is due to untimely rains in the year 1910-1911; late rains in the kharif accountable for the increase.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Yerla River Irrigation Works.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
	Rs.	Rs.	Rs.
<i>I.—Financial Results.</i>			
1. Capital outlay, direct and indirect, during the year.	51	.....	.....
2. Do. do. to end of year.	7,64,870	7,64,870	7,64,870
3. Interest charges to end of year	8,10,906	8,35,068	8,59,367
4. Net Revenue do.	—32,186	—13,989	4,483
5. Total sum at charge do.	16,07,962	16,13,927	16,19,754
6. Revenue—Water-rate assessment	16,477	14,704	14,312
7. Miscellaneous receipts do.	675	1,222	2,430
8. Total (assessment)	17,152	15,926	16,742
9. Total (collection)	18,293	24,953	25,416
10. Refunds	20	.....	.....
11. Working expenses	6,589	6,756	6,944
12. Net Revenue based on assessment	10,563	9,170	9,798
13. Percentage based on Capital	1.38	1.20	1.28
14. Net Revenue based on collection	11,684	18,197	18,472
15. Percentage based on Capital	1.53	2.38	2.42
16. Gross assessed Revenue per acre irrigated...	4.44	4.21	4.54
17. Working expenses do.	1.71	1.79	1.68
18. Net assessed Revenue do.	2.73	2.42	2.66
19. Cost of measurement do.	Annas 2 pies 3	Annas 2 pies 3	Annas 2 pies 2
20. Estimated value of crops irrigated	2,28,150	1,50,828	1,13,065
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage)	24.82	18.50	22.68
2. Do. (do. Irrigation)	24.82	17.60	29.51
	Acres.	Acres.	Acres.
3. Total culturable area under command	10,680	10,680	10,680
4. Area irrigated, Kharif	598	272	106
5. Do. Rabi	3,267	3,512	3,578
6. Do. Total	3,865	3,784	3,684
7. Area applied for (Total)	3,449	3,421	3,388
8. Percentage irrigated of total culturable area under command	36.19	35.43	34.49
9. Lowest supply reached during the year	M. C. Ft. 207	229	214
10. Date on which supply was lowest per Item 9.	8th June 1908	27th May 1909	23rd May 1910
11. Supply entering the Canal at head, average discharge in cubic feet per second	{ Kharif ... 8.82 Rabi ... 30.02	{ 5.02 30.23	{ 8.54 22.53
12. Supply utilised do.	{ Kharif ... 5.84 Rabi ... 21.65	{ 3.67 18.19	{ 5.08 14.20
13. Duty per cubic foot per second.	{ Kharif ... 102 Rabi ... 209	{ 76 254	{ 21 323

General Remarks.—The increase has been steadily

REPORT, 1908-1909 TO 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Yerla River—Deccan Catchment and Nehr Tank.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.	
5	6	7	8	9	
Rs.	Rs.	Rs.	Rs.		
17	782	348	18,896	} The figures in columns 5 to 8 relate to end of triennial period.	
7,64,870	7,64,819	7,62,623	7,61,579		
8,59,867	7,86,557	7,08,824	6,23,179		
4,483	-43,870	-50,026	-55,225		
16,19,754	15,95,246	15,00,169	14,10,512		
15,164	13,647	11,885	10,542		
1,442	603	578	287		
16,606	14,250	12,463	10,829		
22,888	8,952	10,191	9,341		
7	.....	.....	.....
6,763	6,900	8,458	19,062		
9,843	7,850	4,005	-8,233		
1-29	0-96	0-58	1-08		
16,118	2,052	1,733	-9,721		
2-11	0-27	0-23	1-28		
4-40	5-08	4-86	2-99		
1-79	2-46	3-30	5-26		
2-61	2-62	1-56	2-27		
Annas 2 pies 3	Annas 3 pie 1	.....	.....
1,64,014	89,102	77,105	1,12,454		
Inches.	Inches.	Inches.	Inches.		
22-00	22-32	.....	.....
23-98	22-76	22-71	18-29		
Acres.	Acres.	Acres.	Acres.		
10,680	10,680	10,680	10,680		
326	480	512	506		
3,452	2,321	2,054	3,115		
3,778	2,801	2,566	3,621		
3,419	2,308	2,148	3,363		
35-37	26-22	24-03	33-90		
217	63-00	.....	.....
.....		
7-46	7-15	7-93	5-54		
27-59	19-29	19-71	18-71		
4-86	4-53	4-67	4-23		
18-01	13-13	10-94	13-54		
66	117-00	62-35	97-02		
262	165-00	93-54	198-09		

maintained during the triennium.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Chikhli Canal.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	.....	.....	.....
2. Do. do. to end of year.	57,442	57,442	57,442
3. Interest charges to end of year...	84,864	86,671	88,488
4. Net Revenue do. ...	-4,356	-3,976	-2,210
5. Total sum at charge do. ...	1,46,662	1,48,089	1,48,140
6. Revenue—Water-rate assessment	2,460	1,657	938
7. Miscellaneous receipts do. ...	1	16	839
8. Total (assessment) ...	2,461	1,673	1,777
9. Total (collection) ...	2,191	1,552	2,647
10. Refunds ...	.....	.....	.....
11. Working expenses ...	2,067	1,172	881
12. Net Revenue based on assessment	394	501	896
13. Percentage do. on Capital ...	0.69	0.87	1.56
14. Net Revenue do. on collection ...	124	380	1,766
15. Percentage do. on Capital ...	0.22	0.66	3.07
16. Gross assessed Revenue per acre irrigated...	5.43	5.33	10.15
17. Working expenses do. ...	4.56	3.73	5.03
18. Net assessed Revenue do. ...	0.87	1.60	5.12
19. Cost of measurement do. ...	annas 2 pies	2 annas 2 pies 2	.....
20. Estimated value of crops irrigated	43,921	30,357	13,050
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	21.74	17.85	20.05
2. Do. (do. Irrigation) ...	21.74	15.39	20.10
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	1,478	1,478	1,478
4. Area irrigated, Kharif ...	134	95	81
5. Do. Rabi ...	319	219	94
6. Do. Total ...	453	314	175
7. Area applied for (Total) ...	498	366	73
8. Percentage irrigated of total culturable area under command ...	30.65	21.24	11.84
9. Lowest supply reached during the year ... M. C. Ft...	.....	.....	.....
10. Date on which supply was lowest per Item 9 ...	.....	.....	.....
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	1.64	2.07	2.50
	3.91	3.78	4.30
12. Supply utilised do. ...	1.64	2.07	2.50
	3.91	3.78	4.30
13. Duty per cubic foot per second... { Kharif ...	82	46	33
	158	118	60

General Remarks.—This canal depends

REPORT, 1903-1909 to 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—River Nandni and Rainfall.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	} The figures in columns 5 to 8 relate to end of triennial period.
57,442	57,442	57,442	57,442	
88,488	83,043	77,206	70,750	
-2,210	-4,480	-5,421	-3,515	
1,48,140	1,44,965	1,38,809	1,27,732	
1,685	1,329	1,348	1,182	
285	120	165	51	
1,970	1,449	1,513	1,233	
2,130	1,255	1,486	1,037	
.....	.....	28	3
1,373	942	2,093	1,774	
597	507	-580	-541	
1.04	0.88	1.01	0.94	
757	313	-635	-740	
1.32	0.54	1.11	1.29	
6.27	5.70	6.18	3.71	
4.87	3.71	8.55	5.34	
1.90	1.99	2.37	1.63	
anna 1 pies 5.	anna 1 pies 6	anna 1 pies 9	pies 8	
29,109	20,085	13,212	16,659	
Inches.	Inches.	Inches.	Inches.	
19.88	21.63	.....	.....
19.08	20.84	18.96	14.59	
Acres.	Acres.	Acres.	Acres.	
1,478	1,478	1,478	1,478	
103	160	219	285	
211	94	26	47	
314	254	245	332	
312	284	297	364	
21.24	17.16	16.58	22.46	
.....	} Weir project.
.....	
2.07	1.68	1.90	1.69	
4.00	2.92	4.04	1.49	
2.07	1.68	1.14	1.34	
4.00	2.92	2.61	1.22	
54	97.56	103.63	144.79	
112	26.94	11.21	32.71	

on a river with precarious supply.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Maini Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	.....	.....	.....
2. Do. do. to end of year.	4,87,650	4,87,650	4,87,650
3. Interest charges to end of year	5,36,644	5,52,162	5,67,768
4. Net Revenue do. ...	22,350	27,679	34,132
5. Total sum at charge do. ...	10,01,944	10,12,133	10,21,286
6. Revenue—Water-rate assessment	7,935	6,783	6,282
7. Miscellaneous receipts assessment.	159	771	54
8. Total (assessment)	8,094	7,554	6,336
9. Total (collection)	8,096	8,347	9,423
10. Refunds	.....	.....	.....
11. Working expenses	3,315	3,018	2,970
12. Net Revenue based on assessment	4,779	4,536	3,366
13. Percentage based on Capital	0.98	0.93	0.69
14. Net Revenue based on collection	4,781	5,329	6,453
15. Percentage based on Capital	0.98	1.09	1.32
16. Gross assessed Revenue per acre irrigated...	5.03	4.68	3.95
17. Working expenses do.	2.06	1.87	1.85
18. Net assessed Revenue do.	2.97	2.81	2.10
19. Cost of measurement do.	Annas 3 pies 2	Annas 5 pies 2	Annas 3 pies 9
20. Estimated value of crops irrigated	62,708	65,389	1,01,207
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	15.89	24.29	27.98
2. Do. (do. Irrigation)	15.89	25.80	27.38
	Acres.	Acres.	Acres.
3. Total culturable area under command	4,625	4,625	4,625
4. Area irrigated, Kharif	218	212	89
5. Do. Rabi	1,391	1,403	1,516
6. Do. Total	1,609	1,615	1,605
7. Area applied for (Total)	1,380	1,643	1,562
8. Percentage irrigated of total culturable area under command	34.79	34.92	34.70
9. Lowest supply reached during the year	Nil.	40	Nil
10. Date on which supply was lowest per Item 9	22nd June 1908.	15th April 1909.	23rd May 1910.
11. Supply entering the Canal at head, average discharge in cubic feet per second.	4.59	2.39	2.59
	Kharif ...	Kharif ...	Kharif ...
	Rabi ...	Rabi ...	Rabi ...
12. Supply utilised do.	4.59	2.39	2.59
	Kharif ...	Kharif ...	Kharif ...
	Rabi ...	Rabi ...	Rabi ...
13. Duty per cubic foot per second.	47	59	34
	Kharif ...	Kharif ...	Kharif ...
	Rabi ...	Rabi ...	Rabi ...

General Remarks.—The supply was good. Irrigation

REPORT, 1908-1909 to 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Wanga Nala—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	14,391	18,276	} The figures in columns 5 to 8 relate to end of triennial period.
4,87,650	4,87,650	4,44,477	4,44,477	
5,67,768	5,21,006	4,72,956	4,22,949	
34,132	17,569	13,271	6,131	
10,21,286	9,91,087	8,91,806	8,43,315	
7,000	5,088	5,955	5,037	
328	373	82	188	
7,328	5,461	6,037	5,225	
3,622	5,053	5,690	3,410	
.....	.....	2	.....
3,101	3,621	3,308	3,418	
4,227	1,840	2,729	1,807	
0·87	0·37	0·61	0·41	
5,521	1,432	2,380	—8	
1·13	0·30	0·53	0·00	
4·55	4·54	4·17	3·08	
1·93	3·01	2·28	2·02	
2·62	1·53	1·89	1·06	
Annas 4	Annas 2 pies 4	Annas 2 pies 9	Annas 2 pie 1	
76,435	52,548	49,128	44,312	
Inches.	Inches.	Inches.	Inches.	
22·72	17·66	.....	.....
23·02	17·45	18·06	13·00	
Acres.	Acres.	Acres.	Acres.	
4,625	4,625	4,625	4,625	
173	352	715	1,024	
1,437	851	732	671	
1,610	1,203	1,447	1,695	
1,528	1,403	1,426	1,726	
34·81	26·00	31·28	36·65	
.....	12·00	.....	.....
.....	
3·19	2·80	1·66	2·61	
8·65	7·14	5·19	5·19	
3·19	2·80	1·65	2·61	
8·65	7·14	5·03	5·19	
57	141·66	411·12	397·41	
229	238·66	134·11	124·62	

steady throughout the triennium.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR

Name of Work—*Muchkundi Tank.*

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year...	.....	.....	.....
2. Do. do. to end of year ...	1,58,707	1,58,707	1,58,707
3. Interest charges to end of year ...	1,46,879	1,51,587	1,56,322
4. Net Revenue do. ...	-3,712	-3,259	-2,250
5. Total sum at charge do. ...	3,09,298	3,18,553	3,17,279
6. Revenue—Water-rate assessment ...	12	.....	.....
7. Miscellaneous receipts do. ...	380	770	1,412
8. Total (assessment) ...	392	770	1,412
9. Total (collection) ...	392	770	1,412
10. Refunds ...	.....	.....	.....
11. Working expenses ...	254	317	403
12. Net Revenue based on assessment ...	138	453	1,009
13. Percentage based on Capital ...	0·09	0·29	0·64
14. Net Revenue based on collection ...	138	453	1,009
15. Percentage based on Capital ...	0·09	0·29	0·64
16. Gross assessed Revenue per acre irrigated...	*196	.....	.....
17. Working expenses do. ...	127	.....	.....
18. Net assessed Revenue do. ...	69	.....	.....
19. Cost of measurement do. ...	Annas 3	Annas 3	Annas 3
20. Estimated value of crops irrigated ...	18	.....	11
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	6·81	19·76	15·84
2. Do. (do. Irrigation) ...	12·70	24·72	15·01
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	5,417	5,417	5,417
4. Area irrigated, Kharif ...	2	(a) .....	.....
5. Do. Rabi ...	.....	(a) .....	.....
6. Do. Total ...	2	.....	.....
7. Area applied for (Total) ...	2	.....	.....
8. Percentage irrigated of total culturable area under command ...	0·04	.....	.....
9. Lowest supply reached during the year M.C. Ft....	From 11th July to 21st September 1908, the lowest point in the tank was	Dry till 28th May 1909.	20th August 1910.
10. Date on which supply was lowest per Item 9.	1,782·25		Dry.
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	0·24	0·60	.....
12. Supply utilised do. ...	Nil.	0·40	0·43
13. Duty per cubic foot per second.	0·20	0·50	.....
	Nil.	0·34	0·35
	25	48	.....
	Nil.	60	12

General Remarks.—The water supply in the tank cannot be relied upon and there has been rainfall and to the runoff being held up by field embankments across the valleys of the expenses of the tank are more than fully covered by miscellaneous receipts such as the sale

REPORT, 1908-1909 TO 1910-1911.

WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Muchkundī Nala—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	
1,58,707	1,53,707	1,58,707	1,58,707	} The figures in columns 5 to 8 relate to end of triennial period.
1,56,322	1,42,134	1,26,922	1,10,095	
-2,250	-3,850	-3,838	-3,491	
3,17,279	3,04,691	2,83,855	2,67,005	
4	12	100	292	
854	413	246	337	
858	425	346	629	
858	488	354	494	
.....	
325	492	470	471	
533	-67	-124	158	
0.34	0.04	0.08	0.10	
533	-4	-116	23	
0.34	0.00	0.07	0.01	
.....	2.00	7.21	6.69	*The very high rate is owing to miscellaneous receipts.
.....	82.00	9.79	5.01	
.....	80.00	2.58	1.68	
Annas 3	Annas 15 pie 1	.....	.....
10	91	646	1,154	
Inches.	Inches.	Inches.	Inches.	
.....	
14.14	14.66	.....	.....
17.48	13.78	16.66	14.90	
Acres.	Acres.	Acres.	Acres.	
.....	
5,417	5,417	5,417	5,417	
.....	3	34	30	(a) Water allowed free of charge to 2 acres for non-perennial crops during Kharif and Rabi seasons as per Government Resolution No. A-I.-574, dated 1st March 1909.
.....	3	14	64	
.....	6	48	94	
.....	2	18	110	
.....	0.11	0.88	1.74	
.....	
.....	
.....	
.....	43.00	.....	.....
.....	37.50	.....	.....
.....	
.....	

been no irrigation under it in consequence. Deficient supply in the tank is due to poor tank's catchment area. Although there has been no revenue from irrigation, the working of grass and babul wood from the bed of the tank.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Gadikeri Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year ...	.....	.....	.....
2. Do, do, to end of year...	16,918	16,918	16,918
3. Interest charges to end of year ...	11,768	12,317	12,870
4. Net Revenue do. ...	45,780	47,248	48,727
5. Total sum at charge do. ...	16,918	16,918	16,918
6. Revenue—Water-rate assessment* ...	2,061	2,061	2,061
7. Miscellaneous receipts do. ...	10	.....	10
8. Total (assessment) ...	2,071	2,061	2,071
9. Total (collection) ...	2,071	2,061	2,071
10. Refunds ...	.....	.....	.....
11. Working expenses ...	542	593	592
12. Net Revenue based on assessment ...	1,529	1,468	1,479
13. Percentage based on Capital ...	9.04	8.68	8.74
14. Net Revenue based on collection ...	1,529	1,468	1,479
15. Percentage based on Capital ...	9.04	8.68	8.74
16. Gross assessed Revenue per acre irrigated...	5.49	5.46	5.49
17. Working expenses do. ...	1.43	1.57	1.57
18. Net assessed Revenue do. ...	4.06	3.89	3.92
19. Cost of measurement do. ...	.....	.....	.....
20. Estimated value of crops irrigated ...	.....	.....	.....
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	.....	.....	.....
2. Do. (do. Irrigation) ...	.....	.....	.....
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	Not known.	Not known.	Not known.
4. Area irrigated, Khariff ...	377	377	377
5. Do. Rabi ...	.....	.....	.....
6. Do. Total ...	377	377	377
7. Area applied for (Total) ...	.....	.....	.....
8. Percentage irrigated of total culturable area under command ...	.....	.....	.....
9. Lowest supply reached during the year ... M. C.Ft....	.....	.....	.....
10. Date on which supply was lowest per Item 9 ...	.....	.....	.....
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif... Rabi ...	.....	.....	.....
12. Supply utilised do. { Kharif... Rabi ...	.....	.....	.....
13. Duty per cubic foot per second... { Kharif... Rabi ...	.....	.....	.....

General Remarks.—The area irrigated under this tank and the irrigation share of

REPORT, 1908-1909 to 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Ghât Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	74	2,472	} The figures in columns 5 to 8 relate to end of triennial period.
16,918	16,918	16,696	9,279	
12,870	11,214	9,462	7,849	
48,727	44,251	40,218	35,595	
16,918	16,918	16,696	-18,790	
2,061	1,987	1,987	1,987	
7	4	.....	1
2,068	1,991	1,987	1,988	
2,068	1,990	1,987	1,988	
.....	
576	646	446	1,707	
1,492	1,345	1,541	281	
8.82	7.94	9.23	3.03	
1,492	1,344	1,541	281	
8.82	7.94	9.23	3.03	
5.48	5.47	5.90	5.90	
1.53	1.77	1.33	5.07	
3.95	3.70	4.57	0.83	
.....	
.....	
Inches.	Inches.	Inches.	Inches.	
.....	
.....	
Acres.	Acres.	Acres.	Acres.	
Not known.	Not known.	Not known.	Not known.	
377	364	337	337	
.....	† Area under consolidated assessment.
377	364	337	337	
.....	
.....	
.....	
.....	
.....	
.....	
.....	
.....	
.....	
.....	

revenue are very steady and increasing slightly.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Gokák Canal—First Section and Storage Works.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year		24,068	.....
2. Do. do. to end of year ...	13,57,854	13,81,922	13,81,922
3. Interest charges to end of year ...	10,27,791	10,71,504	11,15,464
4. Net Revenue do. ...	5,16,101	5,57,130	5,96,139
5. Total sum at charge do. ...	18,81,331	19,07,076	19,09,836
6. Revenue—Water-rate assessment ...	36,434	37,137	32,986
7. Miscellaneous receipts do. ...	16,020	16,019	15,405
8. Total (assessment) ...	52,454	53,156	48,391
9. Total (collection) ...	57,262	54,107	54,209
10. Refunds ...	601	109	6
11. Working expenses ...	14,391	12,969	15,194
12. Net Revenue based on assessment ...	33,063	40,187	33,197
13. Percentage based on Capital ...	2·80	2·91	2·40
14. Net Revenue based on collection ...	42,270	41,029	39,009
15. Percentage based on Capital ...	3·11	2·97	2·82
16. Gross assessed Revenue per acre irrigated*.	4·79	4·68	5·17
17. Working expenses do. ...	1·79	1·52	2·22
18. Net assessed Revenue do.* ...	3·00	3·16	2·95
19. Cost of measurement do. ...	annas 2 pie 1	annas 2	annas 2 pies 6
20. Estimated value of crops irrigated ...	1,90,730	1,84,322	2,13,781
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting { Ghát catchment ...	281·06	239·55	227·20
storage) ... { Deccan do. ...	54·92	45·91	45·31
2. Do. (do. Irrigation) ...	17·91	16·44	28·80
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	17,627	17,627	17,627
4. Area irrigated, Kharif ...	5,445	5,593	5,071
5. Do. Rabi ...	2,570	2,914	1,788
6. Do. Total ...	8,015	8,507	6,859
7. Area applied for (Total) ...	6,288	6,346	6,375
8. Percentage irrigated of total culturable area under command ...	45·47	48·26	38·91
9. Lowest supply reached during { M. C. Ft. ...	.....	.....	.....
10. Date on which supply was lowest per Item 9 ...	23th May 08	24th Apr. 09	23rd May 10
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif. ...	32·14	38·18	22·87
{ Rabi. ...	39·63	36·71	31·26
12. Supply utilised do. ... { Kharif. ...	32·14	38·18	22·87
{ Rabi. ...	39·63	36·71	31·26
13. Duty per cubic foot per second { Kharif. ...	162·46	141·67	213·98
{ Rabi. ...	98·59	123·95	99·82

General Remarks.—The decrease in the area irrigated during the triennium 1910-11 is of water being available for perennial and rabi crops, the supply being reserved for the

REPORT, 1908-1909 TO 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Ghatprabha River—Ghát Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
8,023	760	3,681	12,596	The figures in columns 5 to 8 relate to end of triennial period. (a) Includes Rs. 4,12,666 charged to 35.—Protective Irrigation Works. * Excluding receipts from mills:— 1908-09 14,033 1909-10 13,304 1910-11 12,934 Average 13,424
(a) 13,81,922	13,57,854	13,55,575	13,44,532	
11,15,464	9,83,740	8,42,653	6,87,445	
5,96,189	4,78,831	3,30,375	2,38,556	
19,09,836	18,81,443	18,89,474	17,72,920	
35,519	38,699	27,169	29,342	
15,815	15,683	17,829	14,270	
51,334	54,382	44,998	43,612	
55,193	61,029	41,349	35,399	
239	366	70	12	
14,185	12,845	10,673	7,790	
37,149	41,537	34,325	35,822	
2-69	3-06	2-53	2-66	
40,769	47,818	30,606	27,597	
2-95	3-52	2-26	2-05	
4-86	4-35	3-00	2-70	
1-82	1-39	1-04	0-70	
3-04	2-96	1-96	2-00	
annas 2 pies 2	anna 1 pies 7	anna 1 pies 4	Pies 11	
1,96,278	2,15,532	1,84,025	2,41,928	
Inches.	Inches.	Inches.	Inches.	
249-27	199-63	.....	.....
48-71	41-22	.....	14-09
21-05	19-60	21-29	12-34	
Acres.	Acres.	Acres.	Acres.	
17,627	17,627	17,627	17,627	
5,370	6,665	7,742	7,127	
2,424	2,583	2,476	3,962	
7,794	9,248	10,218	11,089	
6,336	6,484	8,288	9,127	
44-22	52-46	57-97	62-90	
.....	
.....	
31-06	32-84	37-44	38-49	
35-53	41-73	46-97	39-13	
31-06	32-84	37-44	38-49	
35-53	41-73	46-97	39-13	
172-70	196-85	202-30	177-73	
107-45	96-18	78-86	134-02	

partly due to short demand for water on account of good rainfall and partly to the uncertainty Gekák Mills.

DATA IMPORTANT IN THE MANAGEMENT

GOKA'K CANAL

Dhupdal Store

Year.	Depth above sill on the 1st of April.	Lowest depth reached before sluices were opened.	Date of lowest depth reached before sluices were opened.	Date of opening under-sluices.	Date of closing under-sluices.
1	2	3	4	5	6
1891-92	...	12.46	18th June 1891 ...	}	Information r
1892-93	12.75	12.37	4th April 1892 ...		
1893-94	18.30	15.60	10th May 1893 ...	2nd July 1893 ...	25th October 1893
1894-95	19.15	14.22	7th June 1894 ...	21st June 1894 ...	2nd October 1894 .
1895-96	16.65	15.74	10th April 1895 ...	.....	Information n
1896-97	16.36	13.19	18th May 1896 ...	23rd May 1896 ...	1st November 1896 .
1897-98	14.90	11.70	25th May 1897 ...	6th June 1897 ...	28th November 1897 .
1898-99	18.53	17.44	25th May 1898 ...	22nd June 1898 ...	7th December 1898 .
1899-1900	17.83	16.36	14th April 1899 ...	25th June 1899 ...	6th November 1899 .
1900-01	12.22	Zero.	16th April 1900 ...	12th August 1900...	2nd December 1900 .
1901-02	17.41	16.29	27th March 1901 ...	16th June 1901 ...	15th December 1901 .
1902-03	14.96	8.15	5th May 1902 ...	13th July 1902 ...	10th November 1902 .
1903-04	20.07	16.80	13th May 1903 ...	9th July 1903 ...	9th December 1903 .
1904-05	16.32	5.50	10th May 1904 ...	14th July 1904 ...	5th November 1904 .
1905-06	16.86	5.40	6th May 1905 ...	24th July 1905 ...	5th November 1905 .
1906-07	17.61	Zero.	31st May 1906 ...	16th July 1906 ...	20th November 1906 .
1907-08	17.96	Zero.	5th June 1907 ...	20th July 1907 ...	20th November 1907 .
1908-09	18.12	Zero.	28th May 1908 ...	16th August 1908...	21st November 1908 .
1909-10	16.05	Zero.	24th April 1909 ...	28th June 1909 ...	5th November 1909 .
1910-11	18.05	Zero.	23rd May 1910 ...	19th August 1910...	9th December 1910 .

Note.—The important items of above table are the dates of opening and for closing the undersluices and the date of first draw-off and delay opening and increase silting. The date of closing and the date of first draw-off are indications of the supply to

OF THE TANK SLUICES AND GATES.

FIRST SECTION.

Reservoir.

Date of water reaching full supply.	Date of water reaching waste weir crest.	Date when storage commenced to be drawn off.	No. of days the tank was at its lowest level.	Full supply level of the tank.	Remarks.
7	8	9	10	11	12
available.	<i>Vide information given in column 7 as the levels of waste weir crest and full supply are the same.</i>	20th December 1891 .	1	R.L. 2,006-00	
		10th February 1893...	1		
19th December 1893...		19th January 1894 ...	1		
8th October 1894 ...		19th December 1894 .	1		
available.		5th January 1896 ...	1	R.L. 2,008-00	
2nd January 1897 ...		2nd January 1897 ...	1		
1st December 1897 ...		20th December 1897 .	1	R.L. 2,009-35. 2,010-00 & 2,009-40.	
12th December 1898...		2nd January 1899 ...	1		
6th November 1899 ...		24th November 1899 .	1		
2nd December 1900 ...		4th December 1900 ...	36		
15th December 1901...		18th December 1901 .	1	*2,009-75	
29th November 1902 .		9th February 1903 ...	1		
9th December 1903 ...		29th December 1903 .	1	*2,009-80	
8th December 1904 ...		14th December 1904 .	1		
5th November 1905...		5th December 1905...	1	*2,010-50	
23rd November 1906 .		10th January 1907. ...	19		
7th December 1907 ...		14th December 1907 .	10	*Weir temporarily raised.	
4th December 1908 ...		9th December 1908...	7		
16th November 1909 .		21st December 1909...	33		
9th January 1911 ...		10th January 1911 ...	10		

from storage. For the opening, the arrival of the monsoon has to be very closely watched as a sudden flood may prevent access to the expected from the river during the cold season.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Dambal Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year...	.....	.....	.....
2. Do. do. to end of year.	63,980	63,980	63,980
3. Interest charges to end of year ...	75,239	77,282	79,337
4. Net Revenue do. ...	19,823	21,800	23,010
5. Total sum at charge do. ...	1,19,396	1,19,462	1,20,307
6. Revenue—Water-rate assessment* ...	1,332	1,475	1,040
7. Miscellaneous receipts do. ...	105	1,661	334
8. Total (assessment) ...	1,437	3,136	1,374
9. Total (collection)* ...	1,484	3,005	2,276
10. Refunds ...	40	.....	.....
11. Working expenses ...	1,002	1,028	1,066
12. Net Revenue based on assessment ...	435	2,108	308
13. Percentage based on Capital ...	0·68	3·29	0·48
14. Net Revenue based on collection ...	392	1,977	1,210
15. Percentage based on Capital ...	0·61	3·09	1·89
16. Gross assessed Revenue per acre irrigated...	3·83	9·74	5·47
17. Working expenses do. ...	2·67	3·19	4·25
18. Net assessed Revenue do. ...	1·16	6·55	1·22
19. Cost of measurement do. ...	Pies 6	Pies 7	.....
20. Estimated value of crops irrigated† ...	8,473	4,605	1,249
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	8·35	22·47	24·80
2. Do. (do. Irrigation) ...	8·35	15·70	26·00
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	2,500	2,500	2,500
4. Area irrigated, Kharif ...	369	148	68
5. Do. Rabi ...	6	174	185
6. Do. Total ...	375	322	251
7. Area applied for (Total) ...	454	290	98
8. Percentage irrigated of total culturable area under command ...	15	12·88	10·04
9. Lowest supply reached during the year ... M.C.Ft. ...	.....	.....	.....
10. Date on which supply was lowest per Item 9. ...	(a) ...	(b) ...	(c) ...
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	{ Kharif . 1·77 Rabi ... 0·87	{ 0·28 2·32	{ 0·96 0·70
12. Supply utilised do. ...	{ Kharif . 1·77 Rabi ... 0·87	{ 0·28 2·32	{ 0·96 0·70
13. Duty per cubic foot per second ...	{ Kharif . 203 Rabi ... 155	{ 468 137	{ 164 120

General Remarks.—This small tank is dependent on local rain. The average water-rate year and low demand for water owing to heavy rainfall in the

REPORT, 1908-1909 to 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	} The figures in columns 5 to 8 relate to end of triennial period.
63,980	63,980	63,980	63,980	
79,337	73,180	66,579	59,277	
23,010	19,431	19,965	16,841	
1,20,307	1,17,729	1,03,960	1,04,469	
1,282	1,679	1,655	1,806	
700	286	221	326	
1,982	1,965	1,876	2,132	
2,238	1,852	2,148	2,008	
13	.....	14	.....
1,032	2,030	1,093	829	
950	—65	783	1,303	
1·48	0·10	1·22	2·04	
1,193	—178	1,041	1,179	
1·86	0·23	1·63	1·84	
6·27	6·52	4·72	5·75	
3·27	6·74	2·75	2·23	
3·00	0·22	1·97	3·52	
Pies 4	Pies 8	.....	.....
4,776	6,404	10,196	12,656	
Inches.	Inches.	Inches.	Inches.	* Including irrigation share of Land Revenue.
18·54	.....	.....	.....
16·68	14·36	21·12	14·05	
Acres.	Acres.	Acres.	Acres.	+ Value of new irrigation only.
2,500	2,500	2,500	2,500	
194	226	344	278	
122	75	53	93	
316	301	397	371	
281	350	408	338	
12·64	12·04	15·88	14·84	
.....	
.....	
1·00	1·46	2·65	1·93	
1·30	2·90	2·25	3·40	
1·00	.....	.....	.....
1·30	.....	.....	.....
278	259·00	121·00	183·00	
137	95·00	115·00	72·00	

assessment for the triennium under report was low on account of short supply in the first latter half of the rainy season in the last year.

DECCAN AND GUJARAT TRIENNIAL.

MINOR WORKS AND NAVIGATION—WORKS FOR

Name of Work—Medleri Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year ... ..	.....	.....	.....
2. Capital outlay, direct and indirect, to end of year	81,392	81,392	81,392
3. Interest charges to end of year	87,594	90,225	92,871
4. Net Revenue do.	—10,061	—10,314	—10,202
5. Total sum at charge do.	1,79,042	1,81,926	1,84,460
6. Revenue—Water-rate assessment	1,013	909	688
7. Miscellaneous receipts do. ... ..	.....	.....	.....
8. Total (assessment)	1,013	909	688
9. Total (collection)	669	599	1,108
10. Refunds ... ..	.....	.....	8
11. Working expenses	1,024	852	988
12. Net Revenue based on assessment	—11	57	—300
13. Percentage based on Capital	0·01	0·07	0·37
14. Net Revenue based on collection	—355	—253	112
15. Percentage based on Capital	0·44	0·31	0·14
16. Gross assessed Revenue per acre irrigated... ..	6·07	7·64	11·66
17. Working expenses do.	6·13	7·16	16·75
18. Net assessed Revenue do.	0·06	0·48	5·09
19. Cost of measurement do.	anna 1 & pie 1	anna 1 pies 5	anna 1 pies 11
20. Estimated value of crops irrigated	9,770	8,347	5,689
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage)	} 5·30	} 7·51	} 9·75
2. Do. (do. Irrigation)			
	Acres.	Acres.	Acres.
3. Total culturable area under command	830	830	830
4. Area irrigated, Kharif	42	84	36
5. Do. Rabi	125	35	23
6. Do. Total	167	119	59
7. Area applied for (Total)	199	189	103
8. Percentage irrigated of total culturable area under command	20·12	14·34	7·11
9. Lowest supply reached during the year M. C. Ft.	} (a)	} (b)	} (c)
10. Date on which supply was lowest per Item 9			
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif	0·94	0·55	0·67
{ Rabi	1·93	0·86	0·83
12. Supply utilised do. { Kharif	0·94	0·55	0·67
{ Rabi	1·93	0·86	0·83
13. Duty per cubic foot per second. { Kharif	45	153	54
{ Rabi	83	132	71

General Remarks.—The duty is low as a large

REPORT, 1908-1909 TO 1910-1911.

WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Medleri Nala—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	
81,392	81,392	81,392	81,392	} The figures in columns 5 to 8 relate to end of triennial period.
92,871	84,943	76,438	67,036	
-10,202	-9,706	-8,207	-7,202	
1,84,460	1,76,036	1,62,490	1,52,446	
870	714	615	595	
.....	7	3	7	
870	721	618	602	
792	662	624	655	
3	.....	.....	7	
955	1,161	959	658	
-85	-440	-341	-56	
0.10	0.54	0.42	0.07	
-166	-499	-335	-10	
0.20	0.61	0.41	0.01	
7.57	6.16	7.63	6.08	
8.30	9.92	11.84	6.64	
0.73	3.76	4.21	0.56	
anna 1 pies 6	pies 9	.....	.....
7,935	8,385	7,501	9,880	
Inches.	Inches.	Inches.	Inches.	
7.52	14.12	21.64	15.33	
Acres.	Acres.	Acres.	Acres.	
830	830	830	830	
54	54	72	56	
61	63	9	43	
115	117	81	99	
164	140	86	106	
13.86	14.09	9.76	11.93	
.....	.....	.....	.....	(a) Water level dropped below the outlet sill on 26th February 1908.
.....	.....	.....	.....	(b) Do. from 26th February 1909 to 5th May 1909 and again from 16th March 1910.
0.72	0.81	0.99	0.45	(c) Do. from 16th March to 15th May 1910.
1.21	1.53	1.06	1.61	
0.72	.....	.....	.....
1.21	.....	.....	.....
84	67.00	75.00	99.00	
97	75.00	106.00	58.00	

proportion of rice is grown under this tank.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR

Name of Work—Asundi Tank

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	.....	.....	.....
2. Do. do. of year	74,995	74,995	74,995
3. Interest charges to end of year	62,542	64,582	66,633
4. Net Revenue do.	-9,848	-9,923	-10,220
5. Total sum at charge do.	1,47,385	1,49,500	1,51,848
6. Revenue—Water-rate assessment*	1,204	1,284	827
7. Miscellaneous receipts do.	52	52	18
8. Total (assessment) ...	1,256	1,336	845
9. Total (collection)* ...	1,196	1,364	1,145
10. Refunds	.....	.....	.....
11. Working expenses	944	1,439	1,442
12. Net Revenue based on assessment	312	-103	-597
13. Percentage based on Capital ...	0.42	0.14	0.80
14. Net Revenue based on collection	252	-75	-297
15. Percentage based on Capital ...	0.34	0.10	0.40
16. Gross assessed Revenue per acre irrigated...	4.01	4.04	3.89
17. Working expenses do.	3.02	4.35	6.65
18. Net assessed Revenue do.	0.99	0.31	2.76
19. Cost of measurement do.	Annas 2 pies 7	Anna 1 pie 6	Annas 2 pies 6
20. Estimated value of crops irrigated†	8,090	7,822	1,810
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage)	.....	.....	.....
2. Do. (do. Irrigation)	10.89	15.44	35.57
	Acres.	Acres.	Acres.
3. Total culturable area under command	1,011	1,011	1,011
4. Area irrigated, Kharif	78	121	15
5. Do. Rabi	235	210	202
6. Do. Total	313	331	217
7. Area applied for (Total)†	146	166	35
8. Percentage irrigated of total culturable area under command	30.96	32.74	21.46
9. Lowest supply reached during the year	... M. O. Ft. ...	... M. O. Ft. ...	... M. O. Ft. ...
10. Date on which supply was lowest per Item 9	The tank ran dry twice in the year.	The tank ran dry twice in the year.	The tank was dry from 20th April to 5th May 1910.
11. Supply entering the Canal at head, average discharge in cubic feet per second	0.55	0.37	0.08
12. Supply utilised do.	1.04	0.63	0.71
13. Duty per cubic foot per second...	0.55	0.37	0.08
	1.04	0.63	0.71
	413	627	300
	172	229	148

General Remarks:—This small tank is dependent on local rain. As a rule it does not due to short supply in the hot weather and low demand for water in the monsoon and rabi

REPORT, 1908-1909 TO 1910-1911.

WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Deccan Catchment.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	
74,995	74,995	74,995	74,995	} The figures in columns 5 to 8 relate to end of triennial period.
66,633	60,487	53,897	46,607	
-10,220	-10,100	-9,820	-9,682	
1,51,848	1,45,582	1,36,387	1,27,186	
1,105	1,100	1,247	1,545	
41	13	84	84	
1,146	1,113	133 1	1,629	
1,235	1,019	1,543	1,455	
.....	
1,275	1,112	1,589	3,493		* Including irrigation share of land revenue.
-129	1	-258	-1,864	
0.17	.....	0.34	2.49	
-40	-93	-46	-2,038	
0.05	0.13	0.06	2.72	
3.99	3.98	4.31	4.56	
4.44	3.98	5.14	9.78	
0.45	0.00	0.83	5.22	
Annas 2 pies 2	Annas 2 pies 9	.....	.....	† Value of new irrigation only.
5,907	3,672	6,027	7,691	
Inches.	Inches.	Inches.	Inches.	
.....	
20.63	20.60	21.68	13.07	No gauge has been fixed in the catchment.
Acres.	Acres.	Acres.	Acres.	
1,011	1,011	1,011	1,011	
71	40	96	109	
216	239	213	248	
287	279	309	357	
116	117	140	143	‡ The areas represent only new irrigation.
28.39	27.59	30.56	35.31	
.....	
0.33	0.53	0.92	0.75	
0.79	1.47	1.45	2.31	
0.33	.....	.....	.....
0.79	.....	.....	.....
447	193.00	206.00	270.00	
183	137.00	142.00	107.00	

pay its working expenses. In 1910-1911 the decrease in irrigated area and assessment was seasons on account of timely rainfall.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—Madag Tank.

Particulars.	1908-1909.	1909-1910.	1910-1911.
	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year...	.....	.....	.....
2. Do. do. to end of year	1,67,598	1,67,598	1,67,598
3. Interest charges to end of year ...	2,68,825	2,74,240	2,79,685
4. Net Revenue do. ...	286	954	3,125
5. Total sum at charge do. ...	4,36,137	4,40,884	4,44,158
6. Revenue—Water-rate assessment ...	2,915	2,364	2,356
7. Miscellaneous receipts do. ...	177	228	375
8. Total (assessment) ...	3,092	2,592	2,731
9. Total (collection) ...	2,635	2,779	3,814
10. Refunds ... ..	.....	.....	.....
11. Working expenses	2,286	2,111	1,643
12. Net Revenue based on assessment ...	806	481	1,088
13. Percentage based on Capital ...	0.48	0.29	0.65
14. Net Revenue based on collection ...	349	668	2,171
15. Percentage based on Capital ...	0.21	0.40	1.30
16. Gross assessed Revenue per acre irrigated .	3.45	3.92	4.45
17. Working expenses do. ...	2.55	3.19	2.68
18. Net assessed Revenue do. ...	0.90	0.73	1.77
19. Cost of measurement do. ...	pies 2	pie. 1	pies 2
20. Estimated value of crops irrigated ...	35,463	33,651	30,504
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	.....	.....	40.48
2. Do. (do. Irrigation) ...	17.02	22.31	33.58
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	1,345	1,345	1,345
4. Area irrigated, Kharif ...	432	365	364
5. Do. Rabi ...	463	296	249
6. Do. Total ...	895	661	613
7. Area applied for (Total) ...	922	647	605
8. Percentage irrigated of total culturable area under command ...	66.54	49.14	45.58
9. Lowest supply reached during the year ... M. C. Ft.			
10. Date on which supply was lowest per Item 9 ...	(a)	(b)	(c)
11. Supply entering the Canal at head, average discharge in cubic feet per second. { Kharif ...	4.47	4.59	3.70
{ Rabi ...	7.59	9.58	6.70
12. Supply utilised do. { Kharif ...	4.47	4.59	3.70
{ Rabi ...	7.59	9.58	6.70
13. Duty per cubic foot per second { Kharif ...	97	80	98
{ Rabi ...	103	68	90

General Remarks.—The proportion of area

REPORT, 1908-1909 TO 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Kumadivati River—Ghat Catchment.

Average for the triennium under report.	1905-1908 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	
1,67,598	1,67,598	1,67,598	1,67,598	} The figures in columns 5 to 8 relate to end of triennial period.
2,79,685	2,63,368	2,45,874	2,26,524	
3,125	—63	—2,218	—5,408	
4,44,158	4,31,029	4,09,573	3,93,645	
2,545	2,529	2,171	2,394	
260	344	126	127	
2,805	2,873	2,297	2,521	
3,076	2,640	2,472	2,181	
.....	
2,013	1,922	1,408	1,448	
792	951	889	1,073	
0.47	0.56	0.53	0.64	
1,063	718	1,064	733	
0.63	0.43	0.63	0.44	
3.88	4.04	2.63	2.49	
2.78	2.70	1.61	1.43	
1.10	1.34	1.02	1.06	
pies 2	pies 2	.....	.....
33,306	24,823	28,717	46,101	
Inches.	Inches.	Inches.	Inches.	
.....	
24.30	23.38	27.63	21.31	
Acres.	Acres.	Acres.	Acres.	
.....	
1,345	1,345	1,345	1,345	
387	380	521	558	
336	381	353	453	
723	711	874	1,011	
725	705	924	1,017	
53.75	52.86	64.95	75.17	
.....	
.....	
4.25	3.73	5.34	4.71	(a) The lowest water level on 31st March 1909 was 0.78 above the outlet sill. Contents cannot be given as capacity calculations not yet made out.
7.96	7.73	6.72	9.22	(b) Water level was below the outlet from 26th April 1909 to 13th May 1909.
4.25	.....	.....	.....	(c) Water level was below the outlet from 8th May to 30th June 1910.
7.96	.....	.....	.....
92	88.00	97.00	121.00	
87	89.00	110.00	79.00	

irrigated to area culturable is very high.

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS FOR WHICH

Name of Work—*Mavinkop Tank.*

Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4
<i>I.—Financial Results.</i>			
	Rs.	Rs.	Rs.
1. Capital outlay, direct and indirect, during the year.	.....	.....	.....
2. Do. do. to end of year.	33,504	33,504	33,504
3. Interest charges to end of year ...	33,716	34,730	35,749
4. Net Revenue do. ...	31,546	32,851	33,908
5. Total sum at charge do. ...	36,562	35,674	35,383
6. Revenue—Water-rate assessment ...	2,203	2,203	2,290
7. Miscellaneous receipts do. ...	.....	.....	3
8. Total (assessment) ...	2,203	2,203	2,293
9. Total (collection) ...	2,203	2,203	2,293
10. Refunds ...	.....	.....	.....
11. Working expenses ...	294	898	1,236
12. Net Revenue based on assessment ...	1,909	1,305	1,057
13. Percentage based on Capital ...	5.70	3.90	3.15
14. Net Revenue based on collection ...	1,909	1,305	1,057
15. Percentage based on Capital ...	5.70	3.90	3.15
16. Gross assessed Revenue per acre irrigated...	3.94	3.77	3.66
17. Working expenses do. ...	0.52	1.54	1.97
18. Net assessed Revenue do. ...	3.42	2.23	1.69
19. Cost of measurement do. ...	.....	.....	.....
20. Estimated value of crops irrigated ...	.....	.....	.....
<i>II.—Working Details.</i>			
	Inches.	Inches.	Inches.
1. Rainfall (as affecting storage) ...	} No gauge.	} No gauge.	} No gauge.
2. Do. (do. Irrigation) ...			
	Acres.	Acres.	Acres.
3. Total culturable area under command ...	755	755	755
4. Area irrigated, Kharif* ...	559	585	627
5. Do. Rabi ...	.....	.....	.....
6. Do. Total ...	559	585	627
7. Area applied for (Total) ...	.....	.....	.....
8. Percentage irrigated of total culturable area under command ...	74.04	77.48	83.05
9. Lowest supply reached during the year M. C. Ft. ...	.....	.....	.....
10. Date on which supply was lowest per Item 9 ...	.....	.....	.....
11. Supply entering the Canal at head, average discharge in cubic feet per second ...	} Kharif... } Rabi ...	}	}
12. Supply utilised do. ...	} Kharif... } Rabi ...	}	}
13. Duty per cubic foot per second .	} Kharif... } Rabi ...	}	}

General Remarks.—An old small tank within the Zone of regular rain with established to the extension of the

REPORT, 1908-1909 to 1910-1911.

CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Source of Supply—Ghat Catchment

Av g e for the rien um under report.	1905-06 to 1907-08.	1902-03 to 1904-05.	1899-00 to 1901-02.	Remarks.
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	
.....	.....	6	880	} The figures in columns 5 to 8 relate to end of triennial period.
33,504	33,504	33,504	33,486	
35,749	32,695	29,428	25,828	
33,908	29,637	25,313	22,742	
35,383	37,385	36,729	37,226	
2,232	1,919	1,878	2,057	
1	.....	2	3	
2,233	1,919	1,880	2,060	
2,233	1,919	1,880	2,060	
.....	
809	478	1,023	206	
1,424	1,441	857	1,854	
4.25	4.30	2.55	5.54	
1,424	1,441	857	1,854	
4.25	4.30	2.55	5.54	
3.78	3.39	3.33	3.81	
1.37	0.85	1.81	0.38	
2.41	2.54	1.52	3.43	
.....	
.....	
Inches.	Inches.	Inches.	Inches.	
No gauge.	No gauge.	No gauge.	No gauge.	
Acres.	Acres.	Acres.	Acres.	
755	755	755	755	
590	566	564	540	
.....	
590	566	564	540	* Area under consolidated assessment.
.....	
78.15	74.96	74.70	71.52	
.....	
.....	
.....	
.....	
.....	
.....	
.....	
.....	

irrigation below it. The small increase in irrigated area and assessment in 1910-1911 is due
Right Bank Canal.

MINOR WORKS AND NAVIGATION.

**WORKS FOR WHICH ONLY REVENUE
ACCOUNTS ARE KEPT.**

(DECCAN AND GUJARAT.)

DECCAN AND GUJARAT TRIENNIAL
MINOR WORKS AND NAVIGATION—WORKS FOR
Ahmedabad

Items.	Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4	5
1	No. of Works	71	71	71
		Acres.	Acres.	Acres
2	Area irrigated	12,392	12,388	9,147
		Rs.	Rs.	Rs.
	<i>Revenue.</i>			
3	Irrigation share of consolidated Revenue collected in the Civil Department ...	21,194	21,194	17,627
4	Direct Receipts—Water-rates from Irrigation and Miscellaneous Receipts ...	47	7	2
	<i>Deduct—Refunds</i> ... ..	.....	.....	.....
5	Total Revenue	21,241	21,201	17,629
6	Net Revenue	—47,949	—43,219	—79,330
	<i>Working Expenses.</i>			
7	Extensions and Improvements ...	4,975	5,263	12,515
8	Maintenance and Repairs	42,738	37,430	56,486
9	Establishment	18,452	8,917	25,271
10	Tools and Plant	906	691	924
11	Share of Collection Charges in the Civil Department	2,119	2,119	1,763
12	Total Working Expenses	69,190	64,420	96,959

REPORT, 1908-1909 TO 1910-1911.

WHICH ONLY REVENUE ACCOUNTS ARE KEPT.

District.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
6	7	8	9	10
71	72	66	66	The figures in columns 6 to 9 relate to end of triennial period.
Acres.	Acres.	Acres.	Acres.	
11,309	10,409	10,280	7,189	
Rs.	Rs.	Rs.	Rs.	
20,005	19,426	20,099	14,554	
19	473	287	9	
.....	
20,024	19,899	20,386	14,563	
-56,833	-28,243	-26,256	1,515	
7,585	2,766	10,908	2,081	
45,551	28,138	21,715	6,767	
20,880	14,578	10,961	2,604	
840	717	1,048	141	
2,001	1,943	2,010	1,455	
76,857	48,142	46,642	13,048	

DECCAN AND GUJARAT TRIENNIAL
MINOR WORKS AND NAVIGATION—WORKS FOR
Kaira

Items.	Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4	5
1	No. of works	8	8	8
		Acres.	Acres.	Acres.
2	Area irrigated	9,515	12,285	9,697
		Rs.	Rs.	Rs.
	<i>Revenue.</i>			
3	Irrigation share of consolidated Revenue collected in the Civil Department ...	30,246	33,125	32,606
4	Direct Receipts—Water-rates from Irrigation and Miscellaneous Receipts ...	2,911	4,444	4,039
	<i>Deduct—Refunds</i> ... ..	.....	.....	.....
5	Total Revenue	33,157	37,569	36,705
6	Net Revenue	—34,718	—7,948	—6,092
	<i>Working Expenses.</i>			
7	Extensions and Improvements	22,695	8,286	15,874
8	Maintenance and Repairs	23,254	20,356	12,512
9	Establishment	17,769	12,691	10,396
10	Tools and plant	873	464	379
11	Share of Collection Charges in the Civil Department	3,684	3,720	3,636
12	Total Working Expenses	67,875	45,517	42,797

REPORT, 1908-1909 to 1910-1911.

WHICH ONLY REVENUE ACCOUNTS ARE KEPT.

District.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
6	7	8	9	10
8	8	12	2	The figures in columns 6 to 9 relate to end of triennial period.
Acres.	Acres.	Acres.	Acres.	
10,499	10,825	12,681	8,710	
Rs.	Rs.	Rs.	Rs.	
31,992	19,944	8,062	47,620	
3,818	2,107	467	176	
.....	
35,810	22,051	8,529	47,796	
-16,5	-18,888	-90,483	35,783	
15,618	15,356	75,648	374	
18,707	10,969	10,532	5,668	
13,619	11,908	10,977	1,156	
572	569	1,048	53	
3,547	2,137	807	4,762	
52,068	40,939	99,012	12,013	

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS

Surat

Items.	Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4	5
1	Number of Works	302	302	302
		Acres.	Acres.	Acres.
2	Area irrigated	13,847	13,832	13,829
	<i>Revenue.</i>	Rupees.	Rupees.	Rupees.
3	Irrigation share of consolidated Revenue collected in the Civil Department ...	31,721	31,746	31,741
4	Direct Receipts—Water-rates from Irrigation and Miscellaneous Receipts ...	19	16	2
	<i>Deduct—Refunds.</i> ... ..	.....	.....	.....
5	Total Revenue	31,740	31,762	31,743
6	Net Revenue	2,465	5,898	7,864
	<i>Working Expenses.</i>			
7	Extensions and Improvements ...	(a) 1,746	303	.....
8	Maintenance and Repairs	19,891	17,961	16,598
9	Establishment	4,716	4,155	3,817
10	Tools and Plant	250	270	290
11	Share of Collection Charges in the Civil Department	3,172	3,175	3,174
12	Total Working Expenses	29,275	25,864	23,879

REPORT, 1908-1909 TO 1910-1911.

FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.

District.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
6	7	8	9	10
302	302	302	281	The figures in columns 6 to 9 relate to end of triennial period.
Acres.	Acres.	Acres.	Acres.	
13,836	13,844	13,839	12,397	
Rupees.	Rupees.	Rupees.	Rupees.	
31,736	27,476	28,546	42,511	
12	385	883	69	
.....	
31,748	27,861	29,429	42,580	
5,409	-13,604	-6,374	24,314	
683	4,460	1,235	103	(a) Including Rs. 1,596 for preparing projects for improvements to tanks in the Surat and Broach Districts.
17,983	22,806	23,868	10,990	
4,229	10,908	6,794	2,751	
270	415	963	164	
3,174	2,786	2,943	4,258	
26,339	41,465	35,803	18,266	

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS

East and West

Items.	Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4	5
1	No. of Works	83	83	87
		Acres.	Acres.	Acres.
2	Area irrigated... ..	9,321	9,334	10,385
	<i>Revenue.</i>	Rupees.	Rupees.	Rupees.
3	Irrigation share of Consolidated Revenue collected in the Civil Department ...	53,876	55,329	60,904
4	Direct Receipts—Water-rates from Irrigation and Miscellaneous Receipts ...	5,160	250	.....
	<i>Deduct—Refunds</i> ...	.....	.....	.....
5	Total Revenue	59,036	56,079	60,904
6	Net Revenue	37,911	41,093	39,878
	<i>Working Expenses.</i>			
7	Extensions and Improvements ...	3,730	1,213	490
8	Maintenance and Repairs	8,656	6,308	11,474
9	Establishment	2,821	1,793	2,821
10	Tools and Plant	15	65	150
11	Share of Collection Charges in the Civil Department	5,903	5,507	6,091
12	Total Working Expenses	21,125	14,986	21,026

REPORT, 1908-1909 TO 1910-1911.

FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.

Khandesh Districts.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
6	7	8	9	10
87	83	82	82	The figures in columns 6 to 9 relate to end of triennial period.
Acres.	Acres.	Acres.	Acres.	
9,680	9,216	9,264	8,661	
Rupees.	Rupees.	Rupees.	Rupees.	
56,870	56,647	57,429	58,122	
1,803	3,096	4,529	113	
.....	
58,673	59,743	61,958	58,235	
39,627	17,832	28,561	31,541	
1,811	2,010	7,438	8,667	
8,813	21,985	7,235	1,406	
2,478	11,756	12,260	10,534	
77	246	270	265	
5,867	5,964	6,194	5,822	
19,046	41,911	33,397	26,694	

DECCAN AND GUJARAT TRIENNIAL
MINOR WORKS AND NAVIGATION—WORKS FOR

Nasik

Items.	Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4	5
1	Number of Works	300	301	292
		Acres.	Acres.	Acres.
2	Area irrigated...	31,745	31,563	31,540
	<i>Revenue.</i>	Rs.	Rs.	Rs.
3	Irrigation share of consolidated Revenue collected in the Civil Department ...	1,25,118	1,42,610	1,77,571
4	Direct Receipts—Water-rates from Irrigation and Miscellaneous Receipts...	955	3	674
	<i>Deduct—Refunds</i> . . . . .	.....	.....	.....
5	Total Revenue...	1,26,073	1,42,613	1,78,245
6	Net Revenue	68,865	74,049	99,680
	<i>Working Expenses.</i>			
7	Extensions and Improvements	2,171	940	1,818
8	Maintenance and Repairs	21,030	31,966	27,949
9	Establishment...	13,265	19,752	30,767
10	Tools and Plant	3,155	1,645	208
11	Share of Collection Charges in the Civil Department	12,587	14,261	17,823
12	Total Working Expenses	57,208	68,564	78,565

REPORT, 1908-1909 to 1910-1911.

WHICH ONLY REVENUE ACCOUNTS ARE KEPT.

District.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
6	7	8	9	10
292	281	271	271	The figures in columns 6 to 9 relate to end of triennial period.
Acres.	Acres.	Acres.	Acres.	
31,616	29,527	28,767	27,626	
Rs.	Rs.	Rs.	Rs.	
1,48,433	1,06,438	1,62,470	1,62,434	
544	460	841	1,007	
.....	
1,48,977	1,06,898	1,63,311	1,63,441	
80,865	51,529	1,03,113	1,25,691	
1,643	608	12,194	7,064	
26,982	35,331	12,023	1,323	
22,928	8,700	16,957	12,627	
1,669	42	2,695	392	
14,890	10,688	16,329	16,339	
68,112	55,369	60,198	37,750	

DECCAN AND GUJARAT TRIENNIAL
MINOR WORKS AND NAVIGATION—WORKS FOR
Belgaum

Items.	Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4	5
1	Number of Works	67	67	67
		Acres.	Acres.	Acres.
2	Area irrigated	9,916	9,916	9,916
	<i>Revenue.</i>	Rs.	Rs.	Rs.
3	Irrigation share of consolidated Revenue collected in the Civil Department ...	33,053	33,053	33,053
4	Direct Receipts—Water-rates from Irrigation and Miscellaneous Receipts ...	53	81	154
	<i>Deduct—Refunds</i> ... ..	.....	.....	.....
5	Total Revenue	33,111	33,134	33,207
6	Net Revenue	—1,265	5,415	4,539
	<i>Working Expenses.</i>			
7	Extensions and Improvements ... ..	.....	.....	.....
8	Maintenance and Repairs	25,924	20,664	21,422
9	Establishment	4,776	3,352	3,542
10	Tools and Plant	371	398	339
11	Share of Collection Charges in the Civil Department	3,305	3,305	3,305
12	Total Working Expenses	34,376	27,719	28,668

REPORT, 1908-1909 to 1910-1911.

WHICH ONLY REVENUE ACCOUNTS ARE KEPT.

District.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
6	7	8	9	10
67	67	67	67	The figures in columns 6 to 9 relate to end of triennial period.
Acres.	Acres.	Acres.	Acres.	
9,916	9,910	9,910	9,910	
Rs.	Rs.	Rs.	Rs.	
33,053	33,049	33,049	33,049	
98	121	49	49	
.....	
33,151	33,170	33,098	33,098	
2,897	795	-21,471	18,358	
.....	
22,670	23,648	37,340	18,023	
3,890	4,959	8,567	2,993	
389	463	623	419	
3,305	3,305	8,039	3,305	
30,254	32,375	54,569	19,740	

DECCAN AND GUJARAT TRIENNIAL
MINOR WORKS AND NAVIGATION—WORKS FOR
Dhárwad

Items.	Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4	5
1	No. of Works	473	472	472
		Acres.	Acres.	Acres.
2	Area irrigated	62,592	62,013	63,804
	<i>Revenue.</i>			
		Rs.	Rs.	Rs.
3	Irrigation share of consolidated Revenue collected in the Civil Department ...	1,73,014	1,68,922	1,76,833
4	Direct Receipts—Water-rates from Irrigation and Miscellaneous Receipts ...	1,783	3,707	1,241
	<i>Deduct—Refunds</i>	25	.....	36
5	Total Revenue	1,74,772	1,72,629	1,78,038
6	Net Revenue	—680	22,934	43,489
	<i>Working Expenses.</i>			
7	Extensions and Improvements ...	8,483	4,006	1,859
8	Maintenance and Repairs	93,998	79,182	73,519
9	Establishment	48,644	47,561	39,659
10	Tools and Plant	6,932	1,922	1,768
11	Suspense Account ... ..	.....	31	—31
12	Share of Collection Charges in the Civil Department	17,395	16,993	17,775
13	Total Working Expenses	1,75,452	1,49,695	1,34,549

REPORT, 1908-1909 to 1910-1911.

WHICH ONLY REVENUE ACCOUNTS ARE KEPT.

District.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
6	7	8	9	10
472	473	473	473	The figures in columns 6 to 9 relate to end of triennial period.
Acres.	Acres.	Acres.	Acres.	
62,803	57,874	54,614	52,562	
Rs.	Rs.	Rs.	Rs.	
1,72,923	1,61,898	1,73,671	1,72,957	
2,244	1,373	1,705	3,047	
20	14	5	.....
1,75,147	1,63,757	1,75,371	1,76,004	
21,915	11,189	63,116	80,929	
4,782	5,812	.....	108
82,233	89,680	67,178	46,462	
45,288	37,891	29,796	29,182	
3,541	2,907	2,504	1,822	
.....	
17,388	16,278	12,777	17,501	
1,53,232	1,52,568	1,12,255	95,075	

DECCAN AND GUJARAT TRIENNIAL

MINOR WORKS AND NAVIGATION—WORKS

Panch Maháls, Broach, Ahmednagar, Poona, Sátára,

Items.	Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4	5
1	Number of Works	54	54	53
		Acres.	Acres.	Acres.
2	Area irrigated	4,357	4,382	4,262
	<i>Revenue.</i>	Rupees.	Rupees.	Rupees.
3	Irrigation share of consolidated Revenue collected in the Civil Department ...	16,093	16,179	16,372
4	Direct Receipts—Water-rates from Irrigation and Miscellaneous Receipts ...	627	668	987
	<i>Deduct—Refunds.</i> ... ..	.....	.....	40
5	Total Revenue	16,720	16,847	17,319
6	Net Revenue	—30,106	—14,972	—3,393
	<i>Working Expenses.</i>			
7	Extensions and Improvements	28,646	18,489	12,987
8	Maintenance and Repairs	3,651	2,433	828
9	Establishment	12,286	8,832	4,985
10	Tools and Plant	588	336	188
11	Share of Collection Charges in the Civil Department	1,655	1,679	1,724
12	Total Working Expenses	46,826	31,819	20,712

REPORT, 1908-1909 TO 1910-1911.

FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.

Bijapur, Ratnagiri and Kánara Districts.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
6	7	8	9	10
53	55	55	54	The figures in columns 6 to 9 relate to end of triennial period.
Acres.	Acres.	Acres.	Acres.	
4,334	4,341	3,995	4,317	
Rupees.	Rupees.	Rupees.	Rupees.	
16,215	15,526	15,339	16,154	
760	461	817	1,201	
18	.....	.....	.....
16,962	15,987	16,156	17,355	
-16,157	4,748	1,228	7,852	
20,041	4,484	1,650	853	
2,321	1,932	8,945	5,253	
8,701	3,110	2,543	1,632	
370	129	203	90	
1,686	1,584	1,587	1,675	
33,119	11,239	14,928	9,503	

MINOR WORKS AND NAVIGATION.

**WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE
ACCOUNTS ARE KEPT.**

(DECCAN AND GUJARAT.)

DECCAN AND GUJARAT TRIENNIAL
 MINOR WORKS AND NAVIGATION—WORKS FOR WHICH
Surveys, Gauges,

Items.	Particulars.	1908-1909.	1909-1910.	1910-1911.
1	2	3	4	5
		Acres.	Acres.	Acres.
1	Area cultivated	(a) 782	(a) 1,373	(a) 1,014
	<i>Revenue.</i>	Rupees.	Rupees.	Rupees.
2	Land share of consolidated Revenue collected in the Civil Department ...	.....	.....	.....
3	Irrigation share of do. ...	.....	.....	.....
4	Direct Receipts	6,686	6,949	8,999
5	<i>Deduct—Refunds</i> ... ..	.....	.....	.....
6	Total Irrigation Revenue (3 + 4—5) ...	6,686	6,949	8,999
	<i>Expenditure.</i>			
7	New Works	1,10,787	36,100	55,755
8	Maintenance and Repairs	31,039	28,787	32,046
9	Establishment	21,249	14,138	20,047
10	Tools and Plant	1,403	934	—5,714
11	Suspense account	2,331	3,446	6,629
12	Total Expenditure	1,66,809	83,405	1,08,763

REPORT, 1908-1909 to 1910-1911.

NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.

Tanks, &c.

Average for the triennium under report.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.	Remarks.
6	7	8	9	10
Acres.	Acres.	Acres.	Acres.	(a) The area represents irrigation under the Wadshiwna, Khāngaon, Talwada and Muvālia Tanks.
1,056	4,091	3,781	3,556	
Rupees.	Rupees.	Rupees.	Rupees.	
.....	10,244	12,474	11,975	
.....	.....	.....	11
7,545	2,871	1,499	1,774	
.....	
7,545	2,871	1,499	1,785	
67,547	50,438	1,05,434	91,447	
30,624	34,627	26,057	13,026	
18,478	19,452	30,789	13,592	
-1,125	4,486	1,597	478	
4,135	20	-989	506	
1,19,659	1,09,023	1,62,888	1,19,049	

*Triennial Revenue Report of Irrigation
Works in the Bombay Presidency,
excluding Sind, for 1908-09 to 1910-
11—Review of*

No. W. I.—3781 OF 1912.

Public Works Department.

Bombay Castle,
20th April 1912.

RESOLUTION.—Copies of the Report should be forwarded to the Government of India. The feature of the triennium is the increased progress in the construction of the valuable Protective Irrigation Works. It is satisfactory that the rate of construction estimated for the Godaveri Canals has been attained and it has been possible to make a commencement of irrigation during the triennium.

2. The slight increase of rates commented on in the report on the last triennium has effected a general increase in revenue accompanied by an increase in the area of irrigation. The growth is steady and satisfactory, and seems to indicate that for the Protective works now being, and hereafter to be, constructed, the growth of irrigation and revenue will be much more rapid than in the past. The value of irrigation in the Deccan is now well established.

3. The completion of the Hydrographical Survey for the Protective Irrigation projects of the Deccan and the issue during the triennium of a printed report and maps of the Irrigation Projects possible is an event of great importance. The projects possible are now known and as the works in progress approach completion, the next most suitable work can be selected and the project surveyed in detail and prepared for sanction. The project now ready and awaiting the sanction of the Secretary of State is the Nira Right Bank Canal.

R. T. HARRISON,

Under Secretary to Government.

To

- The Revenue Department, Secretariat.
- The Financial Department, Secretariat.
- The Commissioner in Sind.
- The Commissioner, N. D.
- The Commissioner, C. D.
- The Commissioner, S. D.
- The Director of Agriculture.
- The Settlement Commissioner and Director of Land Records.
- The Chief Engineer in Sind.
- The Superintending Engineer, C. D.
- The Superintending Engineer, Indus Right Bank Division.
- The Superintending Engineer, S. D.
- The Superintending Engineer, N. D.
- The Superintending Engineer, Indus Left Bank Division.
- All Executive Engineers having charge of Irrigation Works, Deccan and Gujarat.
- The Accountant General, Bombay.
- The Government of India.
- The Secretary of State for } (By letter.)
India.
- The Editors' Table.

Class A.
Exd. C. S. P.

No. _____ of 1912.

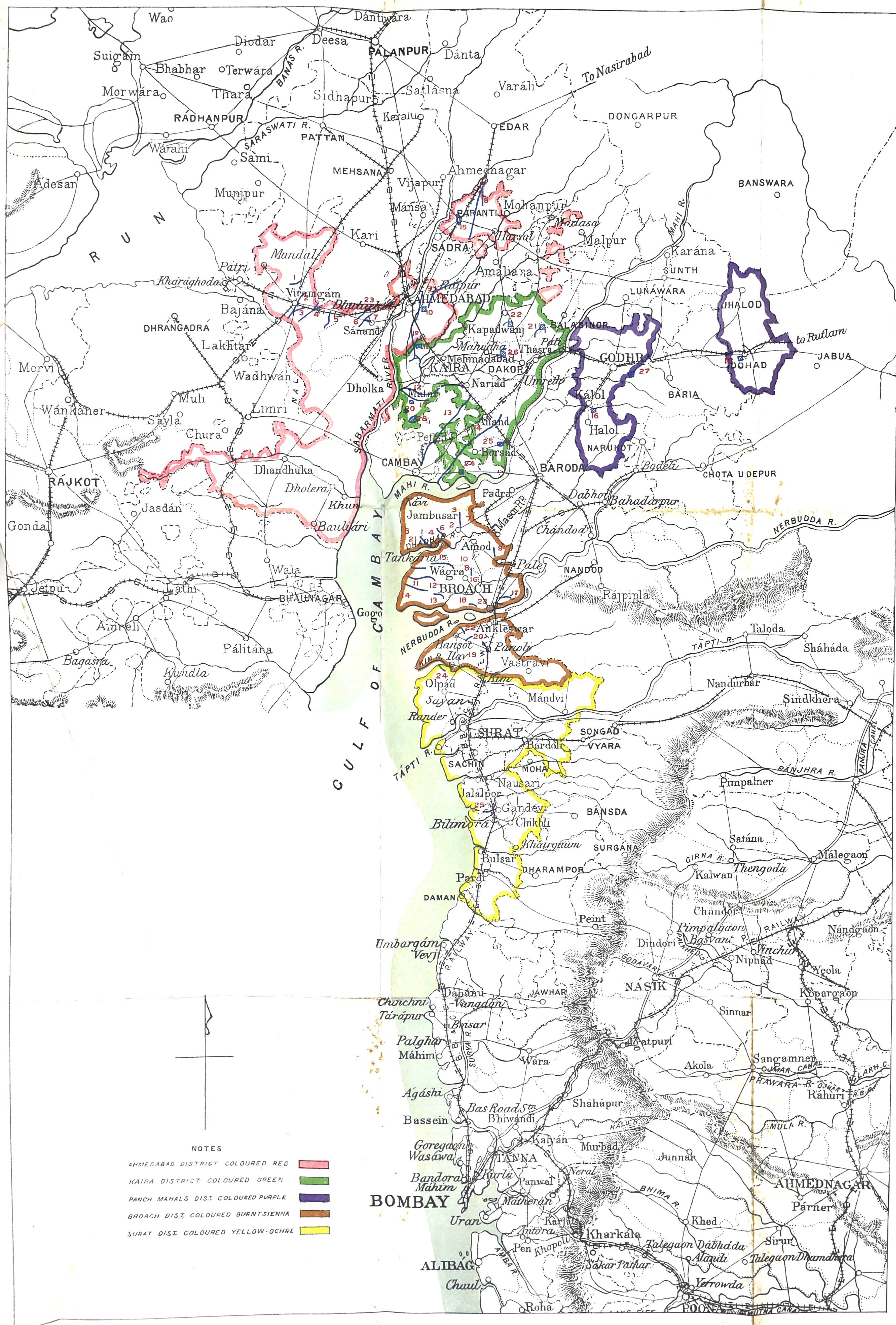
Copy forwarded for information and guidance to

NORTHERN DIVISION

BOMBAY PRESIDENCY

FOR TRIENNIAL REVENUE REPORT

SCALE 20 MILES TO AN INCH.



GUJARAT IRRIGATION DISTRICT

WORKS IN OPERATION.

- 1 PANAR DEIASAN DRAINAGE
- 2 VIRAMGAM DRAINAGE
- 3 NARSINGPUR DRAINAGE
- 4 GHODA FEEDER
- 5 OGAN DRAIN
- 6 DRAIN FROM GODHAVI TO GORAJ
- 7 BHADRETI FEEDER
- 8 HATHMATI CANAL
- 9 KHARICUT
- 10 CHANDOLA TANK
- 11 KHARI SLUICES
- 12 MATAR DRAIN
- 13 HARAMSAD DRAIN
- 14 ANAND MOGARI DRAIN
- 15 BOKH RISERVOIR
- 16 MALAO TANK
- 17 TRANJA TANK
- 18 MUWALIA TANK
- 19 GOBHALAJ TANK
- 20 NAGRAMA TANK
- 21 WANGROLI TANK
- 22 SAULI TANK
- 23 CHEKHALA DRAIN

INCOMPLETE WORKS

- 24 KUNBHA TANK
- 25 KANTHARIA TANK
- 26 SAJAT TANK
- 27 HANELAO TANK
- 28 PARIJAJ TANK

BROACH DISTRICT

WORKS IN OPERATION

- 1 KORA MADAPHER JATRAM DRAINAGE CHANNEL
- 2 NOBRUMRA KOTASAR DO. DO.
- 3 NAMPHANA NOBAR DO. DO.
- 4 AMANPURA NADIAD DO. DO.
- 5 SINDHAV DO. DO.
- 6 WANSETTA DO. DO.
- 7 CHANNEL FROM UBER VILL TO MEET CH₂ NEAR DABA
- 8 KOLYAN ITOLA DRAINAGE CHANNEL
- 9 GHANNAD DRAINAGE CH₂ INCLUDING DANDA & SHIMALTHR
- 10 NINAM CHANNEL
- 11 SAMADHAPUR PANIADRA CHANNEL
- 12 PAKHAJAN AMBHEL DO.
- 13 NADIDH AKHOD DO.
- 14 JOLYA DO.
- 15 ORAVIGHIAD BHADALPUR DO.
- 16 RANAD DO.
- 17 WHGHUSAN DRAINAGE DO.
- 18 WASI DO.
- 19 ADDL HAJAT DO.
- 20 ASTA DO.
- 21 ASHRSIA RECLAMATION BUND
- 22 HHNSOT DO. DO.
- 23 BROACH RESERVOIR

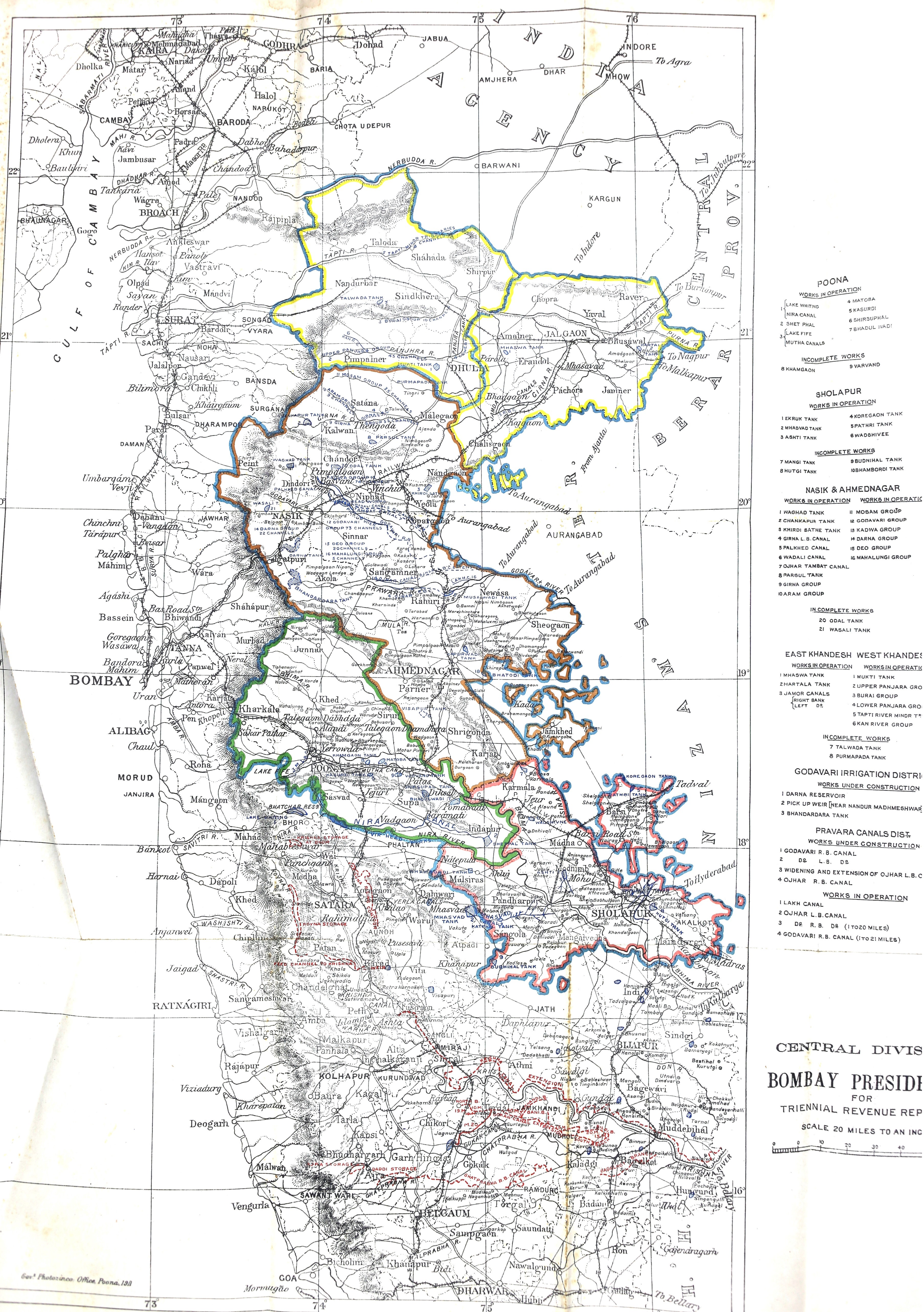
SURAT DISTRICT

WORKS IN OPERATION

- 24 MORTHAN CHANNEL
- 25 WAGHREJ PROTECTIVE WORKS

NOTES

- AHMEDABAD DISTRICT COLOURED RED
- KAIRA DISTRICT COLOURED GREEN
- PANCH MAHALS DIST COLOURED PURPLE
- BROACH DIST COLOURED BURNT-SIENNA
- SURAT DIST COLOURED YELLOW-OGHRE



- POONA**
- WORKS IN OPERATION**
- | | |
|----------------|---------------|
| 1 LAKE WHITING | 4 MATOBA |
| 2 NIRA CANAL | 5 KASURDI |
| 3 SHET PHAL | 6 SHIRSUPHAL |
| 4 LAKE FIFE | 7 BHADUL WADI |
| 5 MUTHA CANALS | |
- INCOMPLETE WORKS**
- | | |
|------------|-----------|
| 8 KHAMGAON | 9 VARVAND |
|------------|-----------|
- SHOLAPUR**
- WORKS IN OPERATION**
- | | |
|----------------|-----------------|
| 1 EKURU TANK | 4 KOREGAON TANK |
| 2 MHASVAD TANK | 5 PATHRI TANK |
| 3 ASHTI TANK | 6 WADSHIVEE |
- INCOMPLETE WORKS**
- | | |
|---------------|-------------------|
| 7 MANGI TANK | 8 BUDNIHAL TANK |
| 9 SHUTGI TANK | 10 SHAMBORDI TANK |
- NASHIK & AHMEDNAGAR**
- | | |
|---------------------------|---------------------------|
| WORKS IN OPERATION | WORKS IN OPERATION |
| 1 WAGHAD TANK | 11 MOSAM GROUP |
| 2 CHANKAPUR TANK | 12 GODAVARI GROUP |
| 3 KHIRDI SATHE TANK | 13 KADWA GROUP |
| 4 GIRNA L.B. CANAL | 14 DARNA GROUP |
| 5 PALKHED CANAL | 15 DEO GROUP |
| 6 WADALI CANAL | 16 MAHALUNGI GROUP |
| 7 OJHAR TAMBAT CANAL | |
| 8 PARVUL TANK | |
| 9 GIRNA GROUP | |
| 10 ARAM GROUP | |
- INCOMPLETE WORKS**
- | |
|----------------|
| 20 ODAL TANK |
| 21 WASALI TANK |
- EAST KHANDESH WEST KHANDESH**
- | | |
|---------------------------|---------------------------|
| WORKS IN OPERATION | WORKS IN OPERATION |
| 1 MHASWA TANK | 1 MUKTI TANK |
| 2 HARTALA TANK | 2 UPPER PANJARA GRO |
| 3 JAMOR CANALS | 3 BURAI GROUP |
| 4 RIGHT BANK | 4 LOWER PANJARA GRO |
| 5 LEFT DO. | 5 STAPTI RIVER MINDR T |
| | 6 KAN RIVER GROUP |
- INCOMPLETE WORKS**
- | |
|------------------|
| 7 TALWADA TANK |
| 8 PURMAPADA TANK |
- GODAVARI IRRIGATION DISTRICT**
- WORKS UNDER CONSTRUCTION**
- 1 DARNA RESERVOIR
 - 2 PICK UP WEIR [NEAR NANDUR MADHMESHWAR]
 - 3 BHANDARDARA TANK
- PRAVARA CANALS DISTRICT**
- WORKS UNDER CONSTRUCTION**
- 1 GODAVARI R.B. CANAL
 - 2 DE L.B. DE
 - 3 WIDENING AND EXTENSION OF OJHAR L.B.C
 - 4 OJHAR R.B. CANAL
- WORKS IN OPERATION**
- 1 LAKH CANAL
 - 2 OJHAR L.B. CANAL
 - 3 DE R.B. DE (1 TO 20 MILES)
 - 4 GODAVARI R.B. CANAL (1 TO 21 MILES)

CENTRAL DIVISION
BOMBAY PRESIDENCY
 FOR
 TRIENNIAL REVENUE REPORT

SCALE 20 MILES TO AN INCH



BOMBAY PRESIDENCY

FOR
TRIENNIAL REVENUE REPORT
SCALE 20 MILES TO AN INCH

SATARA DISTRICT WORKS IN OPERATION.

- 1 KRISHNA CANAL
- 2 REVARI CANAL
- 3 UPPER MAN RIVER WORKS (PINGLI TANK)
- 4 YERLA RIVER IRRIGATION WORKS (NEHR TANK)
- 5 CHIKHLI CANAL
- 6 MAINI TANK

INCOMPLETE WORKS.

- 7 GOREGAON TANK.

BELGAUM DISTRICT WORKS IN OPERATION

- 1 GADIKERI TANK
- 2 GOKAK CANAL-1ST. SECTION AND STORAGE WORKS
- 3 SHEDBAL TANK

DHARWAR IRRIG. DISTRICT WORKS IN OPERATION

- 1 DAMBAL TANK
- 2 MEDLERI TANK
- 3 MADAG TANK
- 4 ASUNDI TANK
- 5 MAVINKOP TANK
- 6 DHARMA AND NAREGAL CANALS (2#)

BIJAPUR DISTRICT.

- WORKS IN OPERATION
1 MUCHKUNDI TANK.

