
PUBLIC WORKS DEPARTMENT.

PUBLIC WORKS DEPARTMENT.

Bombay Castle, 17th June 1911.

No. 1.—The following Review by the Government of India in the Public Works Department is republished:—

“No. 593-G09-I., dated Simla, the 29th May 1911.

CIVIL WORKS.

*Irrigation.*REVIEW OF IRRIGATION IN INDIA IN 1909-10.

Irrigation-works in India are divided into two main classes, *viz.*, major and minor works. Major works are sub-divided into:—

- (a) Productive public works, the capital of which is usually provided from borrowed money.
- (b) Protective works, designed as a protection against famine, the capital of which is provided from current revenues.

Capital and revenue accounts are kept for all major works.

Minor works are constructed from funds provided also out of the current revenues of India and are sub-divided into:—

- (a) Works for which capital and revenue accounts are kept.
- (b) Works for which only revenue accounts are kept.
- (c) Works for which neither capital nor revenue accounts are kept.

A.—MAJOR WORKS.

I.—Productive Public Works.

2. Productive public works are expected to yield sufficient revenue to pay their working expenses and the interest on the outlay expended on their construction. No project is now sanctioned as a productive public work unless it can be shown beyond reasonable doubt that on full development it will fulfil these conditions. But the same standard did not obtain in former years, and thus it has happened that several large irrigation works which were financed from borrowed capital are not remunerative. There are 13 such works, *viz.*, four in Bengal, seven in the Deccan and Gujarat, and two in Madras. They are still retained on the list of productive works, but expenditure against their capital account is now charged against the current revenues of India. The total loss on these 13 works has exceeded 10½ crores. But though they have proved financial failures in the ordinary commercial sense, they have been indirectly of great value in securing large areas of cultivation against the vicissitudes of the seasons.

3. The remaining works in operation, 40 in number, satisfy productive conditions. These works paid collectively 10·36 per cent. on their capital outlay during the year, while the surplus revenue, after paying interest charges, which they had contributed to the general revenues of the country up to the end of 1909-10, amounted to 36 crores of rupees against 30½ crores, the capital invested on them. The financial results, the area irrigated and the working expenses for all productive public works *in operation* are shown separately by provinces in Statement I.

4. The total area irrigated by all the productive works including branches in Native States of the Punjab amounted to 14,284,000 acres. Towards this the Punjab canals contributed more than 6 million acres, a larger area than attained in any other province. The return on capital is also highest in the Punjab where the canals yielded 12·78 per cent. There is a marked falling off in the areas irrigated on the Western Jumna, Upper Bari Doab, and Sirhind Canals. The decrease was due to good and timely rainfall in the tracts served by these systems resulting in a diminished demand for canal water; but the deficiency was more than counterbalanced by increases in the Lower Chenab, Lower Jhelum and Sidhni systems. The Lower Chenab Canal irrigated 2,212,699 acres and earned a gross revenue of Rs. 1,01,84,434. These figures are respectively 11 and 20 per cent. in excess of the previous record for this canal; and this is the first time in the history of irrigation in India in which a single canal has irrigated in one year more than two million acres and earned a gross revenue of more than a crore of rupees. Taking the productive works in the Punjab as a whole there was an improvement on the results recorded in the review for 1908-09. During the past two years the working expenses of the Indus inundation canals have exceeded the gross revenue, with the result that the profit earned by the system is now represented by a minus quantity. The heavy maintenance charges which it has been necessary to incur on these canals are due to serious damage caused by floods, and are not necessarily of a recurring nature.

5. In the United Provinces, the timely and well distributed rainfall in both seasons reduced the demand for canal irrigation; the area irrigated and the revenue assessed were consequently less than in the previous year. Rich harvests were reaped, which greatly benefited the cultivating community after the years of drought and scarcity recently experienced. The supplies in the canals were generally equal to the demand.

6. In Madras the figures relating to the acreage under irrigation do not differ materially from those of the previous year. There is however a decrease of about two lakhs in the net revenue during the year as compared with the last. In this Presidency the financial results of the productive works taken as a whole are seriously affected by the poor results of the Kurnool-Cuddapah Canal, the capital cost of which exceeds 2½ crores of rupees, while the area irrigated during the year was 70,130 as compared with 64,586 acres in the previous year. The net revenue realised amounted to Rs. 47,424 only, representing but 0·21 per cent. on the capital outlay.

7. In Sind the rainfall is negligible and cultivators are therefore obliged to depend entirely upon canal irrigation. The canals, being of the inundation class, are in turn dependent upon the height and duration of the floods in the Indus during the irrigating season. The year under review was a prosperous one for the cultivators, although the area of irrigation was somewhat less than that attained in the previous year. Rice is a favourite crop when water is plentiful and the year being one of good inundation, the area of rice crop exceeded the combined area of the standard food grains, *viz.*, *Juari* and *Bajri*. The net revenue realised exceeded that of the previous year by nearly a lakh of rupees.

8. In Bombay (Deccan and Gujarat) rice irrigation is largely carried out by the people without the aid of Government works, and the canal works are limited in scope in comparison with those of other provinces. The area irrigated in the period covered by this review amounted to 51,672 acres as compared with 37,314 acres in the previous year. As stated in paragraph 2 above, the works are not remunerative.

9. In Bengal, the Hijili Tidal Canal is used purely for navigation purposes; the three other canals, *viz.*, the Orissa, the Midnapore and the Sone, are also so utilised, but they are primarily intended for irrigation. The gross revenue slightly exceeded that of the previous year, although there was a slight defect in the acreage under irrigation. The decrease occurred chiefly on the Sone Canals, owing to a smaller area irrigated in the rabi season. The increase in gross revenue was nearly equally divided between navigation and irrigation, the higher irrigation receipts being due to the large area of rabi irrigated from the Sone Canals in the preceding year. Although these works do not fulfil productive conditions, there is no doubt about their indirect value, considering that the estimated value of crops raised on the area irrigated by them in the year under review amounted to nearly four crores of rupees, a sum which is about two-thirds of their total capital cost.

10. Both in Burma and in the North-West Frontier Province the irrigated area exceeded 200,000 acres.

11. The importance of productive public works may be gauged roughly by the value of the crops which are produced by their agency. In the year under review the estimated value of the crops irrigated by productive public works amounted to about 51½ crores of rupees, exceeding the capital cost incurred on them by more than 9 crores. With the completion of the important works now under construction, *viz.*, the Upper Jhelum, Upper Chenab and Lower Bari Doab Canals in the Punjab, the Upper Swat River Canal in the North-West Frontier Province, the Nagavalli River project in Madras, the Môn and Ye-u Canals in Burma and the Asola Mendha tank in the Central Provinces, considerable additional areas will be brought under cultivation.

II.—Protective Works.

12. There were in operation in the year under review 20 protective works which together irrigated a total of 306,057 acres. The majority are small tank works situated in the Central Provinces, where irrigation is still in an early stage of development. The works in the Central Provinces were sanctioned as experimental works, in accordance with the recommendations of the Irrigation Commission, to test how far the people were willing to resort to irrigation for the maturing of their crops and what water rates they were prepared to pay. The results obtained are very gratifying and show that the people are beginning to realise the great advantages of irrigation. In the year 1908-09 the rainfall there was above the average, while in the year under review it was deficient. The area irrigated in the Central Provinces during 1909-10 was 24,717 acres against 25,413 acres in the previous year. The average water rate paid during the year on these works was Rs. 1·56 per acre. Particulars of all protective works are given in Statements IV, V and VI.

B.—MINOR WORKS.

III.—Works for which Capital and Revenue Accounts are kept.

13. There were ninety-four works so classed in 1909-10, the majority of which are in Bombay and Madras. Seven are purely navigation works.

The net revenue paid by works of this category during the year under review amounted to Rs. 29,21,367 (excluding navigation canals) or a return of 7·99 per cent. on the capital outlay, against 7·95 per cent. in the previous year. Nearly all the minor works in Sind return exceptionally high percentages; but as some large projects, with which it is intended to amalgamate them, are under consideration, their transfer to major works has been postponed for the present.

Excluding the area shown under Burma, *viz.*, 452,658 acres, which is not under irrigation, but represents the area of cultivation on lands reclaimed by river flood embankments, the area irrigated by minor irrigation works during 1909-10 was 1,427,133 acres against 1,511,098 acres in the previous year.

Statements VII and VIII give particulars of individual works.

IV.—Works for which only Revenue Accounts are kept.

14. There are numerous Minor Works for which separate Capital Accounts are not kept, either because they are not sufficiently important, or because having been constructed by the former rulers of the country, their capital cost is not known. For such works only Revenue Accounts are kept; they are credited with a share of the land revenue depending on their maintenance and are debited with all expenditure incurred on construction, extension, improvements and maintenance. Particulars for the year 1909-10 are shown in Statement X.

V.—Works for which neither Capital nor Revenue Accounts are kept.

15. There is a third important class of Minor Works chiefly existing in the Madras Presidency, for which neither Capital nor Revenue Accounts are kept. The Madras works include over 28,000 tanks and 6,000 irrigation channels, the improvements and repairs of which are executed by the Public Works Department, or, in the case of the smaller works, by civil officers. The areas irrigated by these small works in 1909-10 aggregated 3,385,233 acres (or about the same area irrigated by all the Major Works in the Presidency taken together), compared with 3,327,833 acres in 1908-09.

16. The following table summarizes the results of irrigation works for all India during 1909-10 in comparison with those of the two previous years:—

Financial and Irrigational Results of Irrigation Works in operation in India.

Class of work.	Capital outlay to end of the year on works in operation.	Gross revenue during the year.	Net revenue during the year.	Percentage of net revenue on capital outlay to end of year.	Area irrigated.
	Rs.	Rs.	Rs.	Per cent.	Acres.
I and II.—Major Works. { I.—Productive ... } { II.—Protective ... }	45,43,83,348	5,87,32,067	3,49,68,492	7.70	14,590,327
III.—Minor Works for which Capital and Revenue Accounts are kept (including works under construction) ...	6,10,36,138	47,69,681	30,11,249	4.93	1,879,791
IV.—Minor Works for which only Revenue Accounts are kept ...	.....	62,34,601	31,97,284	...	2,500,485
V.—Works for which neither Capital nor Revenue Accounts are kept.	.....	98,38,278	43,71,121	...	3,443,145
Total 1909-10 ...	51,54,19,486	7,45,74,627	4,55,48,146	(a) 7.37	22,415,748
Total 1908-09 ...	50,84,80,162	7,21,42,644	4,38,14,529	(a) 7.40	22,763,377
Total 1907-08 ...	50,24,77,911	6,94,59,957	4,20,55,143	(a) 7.24	21,943,431

(a) Percentages calculated on works of classes I, II and III.

The total area irrigated was about 22½ million acres, while the value of the crops raised by the works for which Capital Accounts are kept is estimated at nearly Rs. 60 crores, or about 116 per cent. of the capital outlay expended on them.

ORDER.—Ordered that this Review be forwarded to the Finance and Revenue and Agricultural Departments and to the Local Governments and Administrations in the Public Works Department, noted on the margin, for information.

The Governments of Madras, Bombay, Bengal, the United Provinces of Agra and Oudh, the Punjab, Burma and Eastern Bengal and Assam.
 The Honourable the Chief Commissioner of the Central Provinces.
 The Chief Commissioner of Coorg.
 The Honourable the Resident at Hyderabad.
 The Honourable the Agents to the Governor-General for Central India and Rajputana.
 The Honourable the Agent to the Governor-General and Chief Commissioner, Baluchistan.
 The Honourable the Chief Commissioner and Agent to the Governor-General, North-West Frontier Province.
 The Comptroller and Auditor-General.

Ordered, also, that the Review be published in the Supplement to the *Gazette of India*.

Ordered, further, that a copy of the Review be forwarded to His Majesty's Secretary of State for India for information.

(Signed) W. B. GORDON,
 Secretary to the Government of India."

STATEMENT

Financial results of individual Productive Irrigation

Number of Works	Major Works.	Capital outlay to end of 1909-1910.			Revenue Account for 1909-1910.			
		Direct.	Indirect.	Total.	Gross revenue.	Maintenance and working.	Net revenue.	Interest.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
2	PRODUCTIVE.							
	BURMA.							
	<i>Irrigation.</i>							
	Mandalay Canal	51,85,116	1,22,411	53,07,527	3,49,756	91,362	2,58,394	1,72,151
	Shwebo Canal	54,26,771	1,31,510	55,58,281	5,66,447	1,52,101	4,14,346	1,77,661
	Total, Burma ...	1,06,11,887	2,53,921	1,08,65,808	9,16,203	2,43,463	6,72,740	3,49,812
4	BENGAL.							
	<i>Irrigation.</i>							
	Orissa Project	2,61,73,532	5,98,691	3,67,72,223	5,26,470	4,80,587	45,883	8,77,919
	Midnapore Canal	83,0,156	1,85,241	34,95,397	2,01,774	2,32,949	—31,175	2,79,026
	Sone Project	2,58,17,334	9,18,692	2,67,36,026	13,87,279	7,59,096	11,28,183	8,66,890
	<i>Navigation.</i>							
	Hijili Tidal Canal	25,51,641	63,513	26,15,154	63,742	57,940	5,802	85,684
	Total, Bengal ...	6,28,52,663	17,66,137	6,46,18,800	26,79,265	15,30,572	11,48,693	21,09,519
7	UNITED PROVINCES.							
	<i>Irrigation.</i>							
	Ganges Canal	3,12,35,141	19,96,231	3,32,31,372	46,68,175	13,85,279	32,82,836	10,44,623
	Lower Ganges Canal	3,51,12,586	25,13,895	3,76,26,481	28,12,829	10,77,746	17,35,083	11,76,967
	Agra Canal	1,08,46,041	7,97,393	1,16,43,434	7,97,684	4,03,945	3,93,736	3,62,505
	Eastern Jumna Canal	47,02,515	3,14,357	50,16,872	17,05,473	5,09,434	11,96,039	1,57,510
	Fatehpur Branch, Lower Ganges Canal	31,23,242	3,33,516	37,56,758	3,44,943	1,44,740	2,00,203	1,14,374
	Dun Canals	11,53,174	28,467	11,81,641	1,41,188	1,37,937	3,251	37,927
	Bijnor Canals	2,51,472	28,312	2,79,784	45,079	22,941	22,138	8,423
	Total, United Provinces ...	8,67,24,171	60,12,171	9,27,36,342	1,05,15,311	36,82,025	68,33,286	29,02,319
8	PUNJAB.							
	<i>Irrigation.</i>							
	Western Jumna Canal	1,65,70,040	8,02,692	1,73,72,732	21,41,447	11,04,835	10,36,612	5,56,246
	Upper Bari Doab Canal	2,00,70,558	7,20,610	2,07,91,168	38,56,206	13,96,859	24,59,347	6,73,117
	Sirhind Canal	2,38,29,731	12,01,616	2,50,31,347	20,93,306	8,82,742	12,15,564	7,99,536
	Upper Sutlej (including Lower Sohag and Para) Canals	16,50,901	98,835	17,49,736	6,01,842	3,27,927	2,73,915	55,433
	Lower Chenab Canal	2,77,97,516	6,90,238	2,84,87,754	1,01,84,434	24,61,212	77,23,222	9,30,657
	Sidhnai Canal	12,76,862	39,967	13,16,829	5,58,207	1,90,314	3,67,893	42,830
	Lower Jhelum Canal	1,57,65,966	3,83,006	1,61,48,972	25,07,140	8,51,961	16,55,179	5,26,777
	Indus Inundation Canals	23,54,190	66,045	24,20,235	4,62,396	7,03,395	—2,50,999	77,821
Total, Punjab ...	10,93,15,764	40,03,009	11,33,18,773	2,23,99,978	79,19,245	1,44,80,733	36,62,416	
3	NORTH-WEST FRONTIER PROVINCE.							
	<i>Irrigation.</i>							
	Paharpur Inundation Canal	9,15,189	15,301	9,30,484	40,185	51,340	—11,155	30,163
	Lower Swat River Canal	41,06,156	1,49,402	42,54,558	6,18,049	1,52,837	4,65,212	1,37,714
	Kabul River Canal	10,81,307	23,279	10,54,586	1,69,166	75,939	93,167	34,432
TOTAL, NORTH-WEST FRONTIER PROVINCE ...	60,51,646	1,87,932	62,39,623	8,27,400	2,80,176	5,47,224	2,02,315	

No. I.

Works in operation during, and to the end of, 1909-1910.

Net profit.	Percentage of net revenue on Capital outlay.					Revenue Account to end of 1909-1910.				
	1908-1909.	1909-1910.	Average of Triennium.			Gross revenue.	Maintenance and working.	Net revenue.	Interest.	Net profit.
			1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.					
Rs.						Rs.	Rs.	Rs.	Rs.	Rs.
86,243	4.68	4.87	4.03	0.01	...	17,98,822	6,82,081	11,16,241	13,41,928	-7,25,087
2,36,685	4.08	7.45	...	...	...	13,21,867	4,61,838	8,60,029	11,02,140	-2,42,111
3,22,928	4.38	6.19	3.41	0.01	...	31,20,189	11,43,919	19,76,270	29,44,068	-1,67,798
-8,32,036	0.23	0.17	0.22	0.14	...	1,20,59,809	1,52,47,604	31,87,795	3,45,95,472	-3,77,83,267
-3,10,201	...	...	0.02	0.82	0.34	83,94,145	78,20,950	5,64,195	1,21,74,938	-1,16,10,738
2,61,293	4.16	4.22	3.33	3.15	1.90	3,32,57,762	2,04,21,757	1,28,36,005	3,45,82,697	-2,17,46,692
-79,832	...	0.22	0.72	0.22	0.53	20,08,820	16,21,406	3,87,414	33,02,849	-29,15,435
-9,60,826	1.74	1.78	1.51	1.48	0.77	5,57,20,536	4,51,20,717	1,05,99,819	8,46,55,951	-7,40,56,132
22,38,213	11.04	9.88	10.50	10.01	10.26	13,48,57,548	4,80,63,656	8,58,93,887	5,40,35,642	3,18,58,245
5,58,126	5.34	4.61	5.23	4.10	3.55	7,49,72,765	3,16,68,959	4,33,03,806	4,28,15,760	9,88,046
31,231	3.97	3.38	4.48	5.79	5.52	2,14,78,936	90,47,304	1,24,31,632	1,26,47,448	-2,15,811
10,38,529	24.06	23.84	24.72	23.16	25.31	5,38,22,214	1,62,41,258	2,75,80,986	68,24,502	3,07,56,477
85,829	5.82	5.33	2.97	2.36	...	23,39,764	14,14,631	9,25,135	15,44,480	-6,19,347
-34,676	2.58	0.28	...	...	...	40,72,689	23,83,667	16,89,22	14,22,578	2,66,644
13,715	8.55	7.91	...	...	...	10,73,483	4,83,635	5,89,5	2,14,921	6,74,927
39,30,967	8.22	7.37	8.03	7.39	7.08	29,26,17,024	11,02,03,110	18,24,1,514	11,90,05,333	6,34,09,151
4,80,366	7.81	5.97	10.95	9.13	9.37	9,78,37,386	3,33,18,134	6,45,19,254	1,94,53,112	4,50,60,142
17,86,230	11.64	11.83	11.56	12.56	12.41	9,25,72,588	3,29,33,354	5,96,39,234	3,03,23,990	2,93,15,244
4,16,029	8.22	4.86	8.04	7.31	8.01	5,28,29,290	1,82,56,537	3,45,72,753	2,81,70,216	64,02,537
2,18,482	11.19	15.65	14.76	9.72	6.17	1,26,24,232	91,11,433	35,12,799	18,19,974	16,92,825
67,92,565	22.56	27.11	21.03	23.09	14.13	8,99,52,069	2,29,37,121	6,69,64,948	1,65,23,594	5,04,41,354
3,25,063	3.83	27.94	23.88	15.08	8.69	72,19,833	29,30,702	42,83,131	10,18,514	32,64,617
11,18,402	8.96	10.25	4.13	...	...	97,35,494	49,57,299	47,78,195	46,18,873	1,59,322
-3,28,820	...	...	4.35	10.72	...	1,23,65,481	1,17,74,661	10,90,820	13,91,465	-3,00,648
1,03,18,317	12.58	12.78	12.11	11.01	10.62	37,66,36,375	13,02,75,241	23,93,61,134	10,33,19,741	13,60,41,393
-41,324	0.47	...	...	...	...	60,353	78,069	-17,716	93,571	-1,11,287
3,27,498	10.47	10.93	...	...	...	92,73,928	24,74,183	67,99,745	41,04,829	26,94,916
58,735	12.79	8.83	...	...	...	18,95,104	8,17,583	10,77,521	4,05,417	6,72,104
3,44,909	9.39	8.77	...	...	...	1,12,29,385	33,69,335	78,59,550	46,03,817	32,55,73

Number of Works.	Major Works.	Capital outlay to end of 1900-1910.			Revenue Account for 1909-1910.			
		Direct.	Indirect.	Total.	Gross revenue.	Maintenance and working.	Not revenue.	Interest.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
14	MADRAS.							
	<i>Irrigation.</i>							
	Godavari Delta System ...	1,22,10,976	19,47,434	1,41,58,410	37,10,180	10,53,236	26,56,944	4,09,939
	Kistna " " ...	1,49,32,346	10,30,071	1,60,12,917	35,21,070	7,65,702	27,55,368	5,00,150
	Penner River Canals ...	55,74,662	9,90,042	65,64,704	4,31,135	96,617	3,34,518	1,87,087
	Cauvery Delta System ...	37,00,854	1,77,243	38,78,097	9,91,395	1,76,797	8,14,598	1,21,920
	Srivaikuntham Ancient System ...	15,25,695	1,03,405	16,29,100	1,56,897	22,127	1,34,770	51,219
	Kurnool Canal ...	2,25,07,190	86,999	2,26,04,195	2,13,863	1,65,939	47,424	7,57,203
	Barur Tank ...	4,19,375	23,738	4,43,113	21,119	15,232	5,837	14,072
	Periyar Project ...	1,00,46,279	3,60,995	1,04,07,274	5,71,660	1,67,524	4,04,136	3,35,027
	Divi Island Pumping Project ...	17,35,525	25,036	17,60,561	1,12,982	86,825	26,157	66,729
	Lower Coleroon Ancient System ...	17,16,396	50,176	17,66,572	2,99,119	78,046	2,21,073	56,030
	Shtiatope " " ...	7,31,095	48,122	7,79,217	1,06,850	26,761	80,089	23,018
	Tirukkoyilar " " ...	3,56,743	8,856	3,65,599	43,655	24,741	18,906	11,908
	Cheyeru " " ...	4,01,575	11,172	4,12,747	49,427	26,710	22,717	13,485
	Poincy " " ...	2,32,437	6,246	2,38,683	54,832	17,600	87,232	7,805
	Total, Madras ...	7,62,01,654	48,19,535	8,10,21,189	1,02,83,684	27,23,915	75,59,769	25,45,590*
8	BOMBAY.							
	SIND.							
	<i>Irrigation.</i>							
	Desert Canal ...	26,22,235	79,021	27,01,256	3,45,913	1,23,975	2,16,970	88,054
	Unharwah ...	6,90,234	18,848	7,09,132	1,97,049	39,443	1,57,606	23,018
	Begari Canal ...	21,38,331	61,102	21,99,433	5,54,055	1,11,368	4,42,687	70,395
	Eastern Nara Works ...	65,43,368	2,23,671	67,77,039	5,86,876	2,04,946	3,81,930	2,19,444
	Jamrao Canal ...	80,13,139	2,31,144	82,44,283	5,94,394	3,05,265	2,89,126	2,67,749
	Dad Canal ...	22,64,416	86,179	23,50,595	1,91,442	60,147	1,31,295	75,936
	Nasrat Canal ...	18,04,392	55,546	18,59,938	1,94,881	66,279	1,28,552	60,699
	Mahiwah Project ...	13,21,850	57,302	13,79,152	1,01,032	33,006	68,076	44,383
	Total, Sind ...	2,54,03,005	8,17,813	2,62,20,818	27,65,674	9,49,432	18,16,242	8,49,683
7	DECCAN AND GUJARAT.							
	<i>Irrigation.</i>							
	Hathmati Canal including Khari Cut Canal ...	10,91,956	63,500	11,60,456	81,102	36,010	45,092	36,426
	Lower Panjhra River Works ...	4,45,382	23,239	4,68,621	11,371	8,151	3,220	14,956
	Kadva River Works ...	9,71,677	38,736	10,10,413	20,549	11,002	9,547	32,578
	Lakh Canal (Pravara River Works) ...	3,52,446	19,445	3,71,891	1,535	5,754	-4,221	11,835
	Mutha Canals including Matoba Tank ...	73,32,445	2,60,998	75,93,443	3,54,036	1,20,905	2,33,131	2,45,306
	Ekruk Tank ...	12,28,117	1,12,269	13,40,386	74,526	14,534	59,042	41,240
	Krishna Canal ...	8,20,237	46,390	8,66,627	55,915	11,595	44,323	27,544
	Total, Deccan and Gujarat ...	1,22,42,260	5,69,577	1,28,11,837	5,99,035	2,03,001	3,91,034	4,09,885
	TOTAL, BOMBAY ...	3,76,45,265	13,87,390	3,90,32,655	33,64,709	11,57,433	22,07,276	12,59,566
53	Total, Imperial ...	38,04,03,050	1,84,30,145	40,78,33,195	5,09,86,550	1,75,36,829	3,34,49,721	1,30,31,539
	Native States—Punjab ...	...	...	1,52,79,641	17,56,577	7,42,681	10,13,896	...
	Grand Total, Imperial and Native States ...	...	...	42,31,12,836	5,27,43,127	1,82,79,510	3,44,63,617	...

Net profit.	Percentage of net revenue on Capital outlay.					Revenue Account to end of 1909-1910.				
	1908-1909.	1909-1910.	Average of Triennium.			Gross revenue.	Maintenance and working.	Net revenue.	Interest.	Net profit.
			1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.					
Rs.						Rs.	Rs.	Rs.	Rs.	Rs.
22,47,605	20 02	18 77	19 68	18 46	17 48	11,03,85,337	3,08,78,877	7,92,06,460	1,87,77,884	6,04,28,026
22,55,218	16 99	17 21	15 92	14 41	15 71	7,86,86,344	2,26,04,547	5,60,81,797	1,58,36,563	4,02,45,234
1,47,431	7 08	5 09	6 24	3 25	4 86	1,01,78,751	22,53,089	79,20,662	59,33,637	19,87,025
6,92,678	20 65	21 01	23 63	27 22	31 17	3,82,12,103	34,68,364	3,47,43,739	32,51,652	3,14,92,087
83,551	4 99	8 27	6 96	5 91	6 39	36,27,921	10,23,480	26,04,441	20,15,299	5,89,142
-7,09,779	0 66	0 21	0 67	0 49	0 37	41,55,286	36,03,472	5,48,814	2,35,40,126	-2,29,91,812
-8,235	0 16	1 32	2 25	0 78	1 54	2,38,787	1,89,887	98,900	3,78,045	-2,79,145
69,109	3 47	3 88	3 91	3 86	3 25	58,07,817	18,05,946	40,01,971	60,28,901	20,26,930
-30,572	...	1 48	...	...	...	2,17,949	1,97,217	20,732	1,88,392	-1,67,660
1,64,448	12 74	12 51	...	...	...	1,42,28,608	23,97,366	1,18,26,238	13,75,939	1,04,50,299
57,071	12 93	10 28	...	...	...	39,76,258	9,25,372	30,50,886	2,27,513	28,23,373
7,000	6 58	5 17	...	...	...	13,04,376	7,44,722	5,59,654	3,85,005	1,74,649
9,232	7 69	5 50	...	...	...	15,29,507	9,28,608	6,00,899	5,16,828	84,071
29,427	13 13	15 60	...	...	...	18,40,941	8,20,115	10,20,826	3,63,765	6,57,061
50,14,179	9 06	9 33	9 64	8 34	8 91	27,40,70,080	7,17,93,261	20,22,80,019	7,58,19,409	12,34,06,520
1,28,916	7 62	8 08	5 99	4 71	7 08	69,97,296	26,69,526	38,27,771	19,46,527	13,81,244
1,34,588	22 09	22 23	18 87	11 07	17 96	28,22,440	8,72,754	19,49,686	5,06,126	14,43,560
3,72,292	23 22	20 13	24 58	17 13	21 00	1,27,64,446	39,51,256	88,13,190	23,94,681	64,18,509
1,62,486	5 31	5 64	7 56	6 61	7 82	1,68,51,234	57,85,756	1,10,65,478	83,87,456	27,28,022
21,377	1 40	3 51	5 34	4 25	2 16	60,61,706	27,44,599	33,17,107	35,72,389	-2,55,232
55,359	5 29	5 59	1 78	...	...	9,06,528	6,12,016	2,94,512	8,15,326	-5,20,814
67,853	9 62	6 91	5 13	...	...	9,72,356	3,66,300	6,06,050	4,78,294	1,27,156
28,688	6 28	4 94	1 50	2 68	...	6,09,419	3,46,315	2,63,104	3,00,883	-97,779
9,66,559	6 60	6 93	7 17	5 39	6 77	4,09,85,426	1,73,48,527	2,96,36,898	1,54,12,232	1,12,24,666
8,666	1 12	3 89	...	...	...	5,10,936	5,10,802	634	7,86,419	-7,85,785
-11,786	1 17	0 69	1 18	1 63	1 95	5,07,047	2,59,605	2,47,442	6,74,942	-4,27,500
-28,081	0 75	0 94	1 65	0 76	...	3,66,946	3,46,214	20,732	8,77,975	-8,57,243
-16,056	...	...	...	...	...	57,967	3,08,935	-2,50,968	5,72,482	-8,23,450
-12,175	3 28	3 07	3 33	2 61	2 89	78,95,185	28,59,025	50,36,157	89,77,548	-89,41,391
18,702	2 00	4 47	2 03	0 91	1 36	7,69,148	6,13,154	1,55,994	19,31,670	-17,75,682
16,779	4 15	5 11	3 83	3 75	2 35	12,85,118	6,63,084	6,22,029	13,52,516	-7,30,467
-18,851	2 63	3 05	2 64	2 00	1 85	1,13,92,342	55,60,322	58,32,020	1,51,23,558	-92,91,538
9,47,708	5 35	5 65	5 75	4 33	4 95	5,89,77,767	2,20,08,849	3,54,68,918	3,35,35,790	10,33,123
2,04,18,182	8 25	8 20	8 12	7 55	7 02	1,07,07,51,866	39,08,05,032	67,99,46,224	42,68,94,169	26,20,82,025
...	7 16	6 63	8 31	5 74	5 21	2,77,35,547	1,29,67,644	1,47,67,908	...	.....
...	8 21	8 15	8 12	7 47	6 91	1,09,85,17,403	40,37,73,276	69,47,34,127	...	.. ..

* Excludes interest Rs. 631-Siddapur Tank Project.

STATEMENT No. II.

Productive Irrigation Works in Operation.—Gross Revenue, Irrigated Area, and Mileage Open.

Major Works.	Mileage in operation (including distributaries).			Gross Revenue.			Irrigated area in acres.					
	1907-1908.	1908-1909.	1909-1910.	1907-1908.	1908-1909.	1909-1910.	1907-1908.	1908-1909.	1909-1910.	Average of Triennium.		
	Miles.	Miles.	Miles.	Rs.	Rs.	Rs.	Acres.	Acres.	Acres.	1905-1907 to 1907-1909.	1907-1909 to 1909-1910.	1909-1910 to 1910-1911.
Burma.												
Mandalay Canal ...	...	...	143	3,97,164	3,34,201	3,49,756	53,949	55,953	58,197	47,356	20,925	.....
Shwebo Canal ...	...	...	399	2,92,167	3,44,912	5,66,447	91,483	148,123	147,656	.....	.....	.....
Total, Burma ...	...	...	482	6,89,351	6,79,113	9,16,203	145,432	204,076	205,653	47,356	20,925	.....
Bengal.												
Orissa Project ...	1,517	1,545	1,562	4,87,689	5,14,772	5,26,470	230,506	284,692	282,052	263,863	219,076	201,955
Midnapore Canal ...	336	337	324	1,53,330	1,74,734	2,01,774	62,040	63,824	70,433	65,783	88,908	78,190
Sone Project ...	1,585	1,586	1,592	16,63,360	18,71,088	18,67,279	648,920	653,296	593,407	571,850	493,878	481,333
Total, Bengal* ...	3,438	3,468	3,478	23,04,379	25,60,594	26,15,523	1,000,466	1,001,812	945,897	901,496	801,862	761,478
United Provinces.												
Ganges Canal ...	3,528	3,536	5,460	49,50,090	49,89,198	46,68,115	1,304,744	1,051,774	914,532	1,202,880	889,355	1,030,836
Lower Ganges Canal ...	3,122	3,143	4,267	32,41,697	31,10,779	28,12,829	1,034,841	786,820	731,656	978,211	737,528	706,296
Agra Canal ...	865	909	1,226	8,23,606	8,17,525	7,97,634	312,554	212,745	238,622	313,543	227,309	238,444
Eastern Jumna Canal ...	909	914	1,409	17,81,835	16,88,566	17,05,473	337,145	321,404	276,018	334,179	288,933	306,733
Fatehpur Branch, Lower Ganges Canal ...	579	598	633	3,01,979	3,61,454	3,44,943	120,166	100,903	87,105	101,594	57,020	25,889
Dun Canals ...	87	87	90	1,23,676	1,43,866	1,41,188	21,421	22,898	22,067	.....	.....	.....
Bijnor Canals ...	76	76	80	33,744	41,702	46,079	18,253	15,125	18,371	.....	.....	.....
Total, United Provinces ...	9,106	9,263	13,165	1,12,61,527	1,11,06,150	1,06,15,311	3,187,864	2,511,669	2,282,371	2,943,632	2,200,145	2,308,148
Punjab.												
Western Jumna Canal ...	1,907	2,114	1,935	30,70,580	24,11,170	21,41,447	685,135	602,199	490,994	752,584	619,856	561,433
Western Jumna (Native States) ...	...	...	186	2,83,573	1,82,504	1,93,817	68,220	52,191	50,022	67,926	53,725	44,867
Upper Bari Doab Canal ...	1,934	1,934	1,950	36,99,711	33,86,153	38,56,203	907,516	1,039,477	982,773	1,025,295	928,763	826,473
Sirhind Canal (Imperial) ...	4,419†	4,266	2,225	31,05,728	30,19,407	20,98,306	788,301	659,527	511,491	757,243	771,010	793,312
Sirhind Canal (Native States) ...	...	...	2,203	19,71,030	18,13,841	15,62,760	400,942	359,672	298,951	433,297	333,698	341,062
Upper Sutlej (including Lower Sohag and Para) Canals ...	725	724	719	6,39,998	5,03,603	6,01,842	193,853	348,094	336,961	316,551	248,528	62,220
Lower Chenab Canal ...	2,730	2,722	2,716	71,22,604	84,53,159	1,01,84,434	1,705,296	1,992,219	2,212,699	1,693,589	1,919,186	1,643,959
Sidhni Canal ...	199	199	199	5,70,001	2,44,941	5,58,207	88,841	190,327	272,571	153,027	188,564	103,892
Lower Jhelum Canal ...	1,243	1,247	1,244	16,81,954	23,18,337	25,07,140	543,529	617,696	731,465	475,090	241,357	21,789
Indus Inundation Canals ...	778	775	756	4,30,665	3,88,257	4,52,396	133,753	198,091	229,077	180,981	183,878	.....
Total, Punjab ...	13,925	13,931	14,133	2,25,87,904	2,31,66,372	2,41,56,555	5,515,386	5,959,393	6,117,004	5,860,533	5,888,065	4,398,507

North-West Frontier Province.												
Lower Swat River Canal ...	208	208	208	5,83,234	5,94,109	6,18,049	149,331	159,627	166,098	.....	.....	.....
Paharpur Inundation Canal ...	45	49	57	152	20,016	40,185	15,854	16,636	14,185	.....	.....	.....
Kabul River Canal ...	76	76	76	1,27,819	1,96,464	1,69,166	37,632	32,783	43,370	.....	.....	.....
Total, North-West Frontier Province...	329	333	341	7,11,205	8,10,589	8,27,400	202,317	216,016	223,653	.....	.....	.....
Madras.												
Godavari Delta System ...	2,467	2,465	2,465	35,41,147	8,23,361	37,10,180	911,938	918,695	889,968	900,035	880,830	804,995
Kistna Delta System ...	2,414	2,609	2,609	32,09,307	34,59,376	35,21,070	685,975	697,014	713,126	669,781	631,046	606,311
Penner River Canals ...	508	508	508	5,33,407	6,09,824	4,31,135	174,881	185,227	149,900	171,914	151,594	153,048
Cauvery Delta System ...	2,094	2,565	2,565	9,35,766	9,83,860	9,91,395	994,033	996,950	1,003,649	990,252	982,585	980,644
Srivailantam Anicut System ...	90	90	90	1,30,901	94,680	1,56,897	45,330	40,733	46,586	44,576	44,193	43,655
Kurnool Canal ...	563	585	690	3,10,621	2,81,050	2,13,363	88,195	64,586	70,130	64,562	65,126	69,302
Barur Tank ...	29	20	35	19,218	15,402	21,119	6,898	6,696	7,049	16,449	6,460	5,551
Pariyar Project ...	278	278	278	5,23,064	5,50,557	5,71,660	170,267	173,931	166,321	163,175	154,439	141,937
Divi Island Pumping Project ...	66	126	151	36,184	66,909	1,12,982	12,461	16,781	23,721	.....	.....	.....
Lower Coleroon Anicut System ...	898	898	1,106	2,79,735	2,95,313	2,99,119	112,936	114,738	113,061	.....	.....	.....
Shatitope Anicut System ...	190	190	190	1,05,018	1,13,011	1,06,850	35,643	35,722	33,762	.....	.....	.....
Tirukkoyilur Anicut System ...	163	163	163	41,194	44,542	43,655	29,571	28,112	29,100	.....	.....	.....
Chayern Anicut System ...	181	181	181	41,081	50,180	49,427	33,329	35,623	35,060	.....	.....	.....
Poincy Anicut System ...	182	182	182	35,489	45,518	54,832	22,649	26,883	30,740	.....	.....	.....
Total, Madras ...	10,123	10,369	11,213	97,42,732	1,04,33,613	1,02,83,684	3,324,116	3,341,707	3,313,068	13,092,941	2,805,273	2,805,296
Bombay.												
Desert Canal ...	328	329	328	2,07,671	3,52,543	3,45,045	105,811	185,299	177,308	167,813	198,063	140,912
Unbarwah ...	102	117	118	1,54,508	1,90,830	1,97,049	68,051	81,067	79,443	74,941	70,747	79,248
Begari Canal ...	170	170	170	5,69,298	6,29,036	5,54,055	265,969	274,265	230,752	260,392	243,073	255,863
SIND ... Eastern Nara Works ...	298	298	298	5,11,425	6,21,230	5,86,876	208,252	277,020	213,238	303,553	262,494	281,697
Jamrao Canal ...	589	589	589	6,40,688	4,98,560	5,94,394	208,338	205,198	174,105	249,683	267,039	183,483
Dad Canal ...	366	371	371	1,12,791	1,80,576	1,91,442	89,306	115,642	107,821	90,526	67,379	18,747
Nasrat Canal ...	293	294	297	1,11,003	2,33,839	1,94,331	93,963	120,114	84,285	109,005	43,035	.....
Mahiwah Project ...	286	286	284	79,434	1,35,123	1,01,012	71,559	93,369	78,200	62,737	27,162	3,454
Total, Sind ...	2,432	2,454	2,455	23,86,818	28,31,737	27,05,674	1,111,229	1,351,974	1,144,952	1,324,650	1,178,932	912,504
DECCAN AND GUJARAT. Hathmati Canal including Khari Cut Canals ...	51	51	87	9,213	17,563	81,102	6,572	8,375	21,398	3,135	544	677
Lower Panjhra River Works ...	45	45	45	11,803	12,129	11,371	2,795	2,165	2,516	2,467	2,549	2,485
Kadva River Works ...	38	38	33	15,858	18,331	20,549	2,907	3,474	3,293	2,582	3,460	3,149
Lakh Canal ...	32	32	32	1,364	1,980	1,533	517	1,254	691	523	649	865
Mutha Canals including Matoba Tank ...	156	172	172	3,33,812	3,66,942	3,54,036	7,313	11,740	13,769	9,446	8,015	9,133
Ekruk Tank ...	50	50	50	41,991	39,375	74,526	6,371	5,116	4,613	5,517	3,252	3,889
Krishna Canal ...	64	64	64	36,678	47,637	55,918	5,036	5,190	5,362	7,355	6,070	6,706
Total, Deccan and Gujarat ...	435	452	438	4,50,224	5,03,307	5,99,035	31,511	37,314	51,672	31,055	25,139	26,904
Total, Bombay ...	2,867	2,906	2,943	28,37,042	33,35,044	33,64,709	1,142,740	1,389,288	1,196,624	1,355,705	1,204,071	939,703
TOTAL, PRODUCTIVE ...	39,858	40,820	45,755	5,01,34,120	5,20,91,475	5,26,79,385	14,518,320	14,623,991	14,284,270	114,365,017	12,480,411	11,213,137

* The figures for the Hijili Tidal Canal are not included, it being a navigation canal. † Includes Native States.
 ‡ This average has been struck on the totals of the province(s) for the three years in question.
 § The figures for the years previous to 1909-10 are exclusive of those for the Khari Cut Canal.

STATEMENT No. III.

Capital outlay and interest charges of Productive Irrigation Works under construction during 1909-1910

Number of Works.	Major Works.	Capital outlay to end of 1909-1910.			Interest for 1909-1910.	Interest to end of 1909-1910.
		Direct.	Indirect.	Total.		
2	<i>Burma.</i>	Rs.	Rs.	Rs.	Rs.	Rs.
	Môn Canals ...	40,26,901	1,27,698	41,54,594	1,22,831	3,60,982
	Ye-u-Canal ...	6,87,399	29,964	7,17,363	22,078	91,799
	Total, Burma ...	47,14,300	1,57,657	48,71,957	1,44,909	4,52,781
3	<i>Punjab.</i>					
	Upper Chenab Canal...	1,87,91,378	5,63,847	1,93,55,220	5,60,555	14,10,489
	Upper Jhelum Canal ...	1,40,68,174	3,03,374	1,43,78,048	4,08,795	10,00,384
	Lower Bari Doab Canal.	49,25,993	1,11,636	50,37,629	1,22,264	1,92,434
	Total, Punjab ...	3,77,85,540	9,85,357	3,87,70,897	10,91,614	23,03,307
1	<i>North-West Frontier Province.</i>					
	Upper Swat River Canal.	32,01,904	1,02,357	33,04,261	80,192	1,26,967
1	<i>Madras.</i>					
	Nagavalli River Project.	12,64,918	28,445	12,93,363	39,939	1,11,812
1	<i>Central Provinces.</i>					
	Asola Mendha Tank ...	8,01,972	19,008	8,20,980	23,437	69,146
1	<i>Bombay (Sind).</i>					
	Naulakhi Canal ..	5,112	33	5,145	172	1,213
9	GRAND TOTAL ...	4,77,73,746	12,92,857	4,90,66,603	13,80,263	33,65,226

STATEMENT No. IV.

Financial results of individual Protective Irrigation Works in operation during, and to the end of, 1909-1910.

1.—225

Number of works.	Major Works.	Capital outlay to end of 1909-1910.			Revenue Account for 1909-1910.						Revenue Account to end of 1909-1910.				
		Direct.	Indirect.	Total.	Gross revenue.	Maintenance and working.	Net revenue.	Interest.	Net profit.	Percentage of net revenue on the Capital outlay.	Gross revenue.	Maintenance and working.	Net revenue.	Interest.	Net profit.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
12	PROTECTIVE. CENTRAL PROVINCES. <i>Irrigation.</i>														
	Khairbanda Tank	4,63,411	24,899	4,91,310	6,316	4,418	1,898	14,552	-12,654	0.38	15,797	12,118	3,679	67,911	-64,232
	Khapri-Aranda Tank	3,31,836	19,412	3,51,248	2,527	3,514	-987	11,095	-12,082	...	10,276	7,633	2,643	48,933	-46,290
	Chandpur Tank	5,05,277	20,208	5,25,575	5,273	5,778	-500	15,741	-16,241	...	9,326	5,773	3,553	42,702	-39,140
	Marowda Tank	3,76,035	19,038	3,95,073	1,239	3,303	-2,064	12,627	-14,691	...	5,605	9,648	-4,043	59,791	-63,834
	Khola Tank	89,071	4,998	94,068	1,966	1,045	921	2,991	-2,070	0.97	3,615	4,309	-694	18,687	-19,381
	Kusrangi Tank	1,18,552	9,258	1,27,810	845	942	-97	3,974	-4,071	...	4,616	4,025	591	28,526	-22,935
	Khaira Datun Tank	86,929	4,528	91,457	1,217	732	515	2,918	-2,403	0.56	3,182	2,852	330	18,071	-17,741
	Kukerdehi Tank	98,076	5,687	1,03,763	3,024	997	2,027	3,293	-1,266	1.95	7,514	4,074	3,440	18,143	-14,703
	Bina'sheri Tank	1,47,029	8,136	1,55,165	3,155	1,192	1,963	4,931	-2,968	1.16	5,708	4,385	1,323	24,309	-22,986
	Hargahan Tank	1,16,139	3,295	1,19,434	237	950	-713	3,900	-4,613	...	3,620	5,235	-1,615	19,440	-21,055
	Pindraon Tank	1,56,843	10,256	1,67,099	5,148	1,456	3,692	5,267	-1,575	2.20	9,024	6,352	2,672	29,118	-26,446
	Ghorajheri Tank	4,29,194	10,791	4,33,985	603	...	603	11,703	-11,100	0.13	603	...	603	24,969	-24,366
	TOTAL, CENTRAL PROVINCES ...	29,18,391	1,40,596	30,58,987	31,580	24,322	7,258	92,992	-85,734	0.23	78,886	66,404	12,482	3,95,500	-3,83,118
1	BENGAL. <i>Irrigation.</i>														
	Dhaka Canal	5,31,722	13,473	5,45,195	13,544	33,923	-25,379	17,424	-42,803	...	61,445	81,073	-22,628	1,08,358	-1,30,986

PART I.]

THE BOMBAY GOVERNMENT GAZETTE, JUNE 22, 1911.

STATEMENT No. IV—concluded.

Financial results of individual Protective Irrigation Works in operation during, and to the end of, 1909-1910—concluded.

Number of works.	Major Works.	Capital outlay to end of 1909-1910.			Revenue Account for 1909-1910.						Revenue Account to end of 1909-1910.				
		Direct.	Indirect.	Total.	Gross revenue.	Maintenance and working.	Net revenue.	Interest.	Net profit.	Percentage of net revenue on the Capital outlay.	Gross revenue.	Maintenance and working.	Net revenue.	Interest.	Net profit.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
	PROTECTIVE—continued.														
2	UNITED PROVINCES.														
	<i>Irrigation.</i>														
	Betwa Canal	76,31,203	3,21,280	79,52,483	2,82,751	1,22,416	1,60,335	2,51,287	-90,952	2.02	26,58,722	26,74,770	-16,048	45,97,615	-46,13,663
	Ken Canal	40,84,242	1,51,448	41,85,690	64,157	1,26,457	-62,300	1,32,744	-1,95,044	...	70,437	2,48,847	-1,78,410	5,32,381	-7,10,641
	Total, United Provinces ...	1,16,65,445	4,72,728	1,21,88,173	3,46,908	2,48,873	98,035	3,84,031	-2,83,096	0.81	27,29,159	29,23,617	-1,94,458	51,29,846	-53,24,304
1	MADRAS.														
	<i>Irrigation.</i>														
	Gushikulya Project	46,28,188	4,11,717	50,39,905	1,25,150	55,645	69,505	1,55,290	-55,785	1.38	14,75,582	8,97,085	5,78,497	32,01,924	-28,23,427
4	BOMBAY.														
	DECCAN AND GUJARAT.														
	<i>Irrigation.</i>														
	Pravara River Canal Project	3,82,592	7,411	3,90,003	227	688	-461	8,141	-8,602	...	227	688	-461	9,973	-10,434
	Mhasvad Tank	20,05,553	20,463	20,96,016	69,769	16,912	52,857	67,346	-14,489	2.52	4,69,590	3,75,688	93,907	21,17,535	-20,23,628
	Chankapur Tank	15,16,235	52,064	15,68,299	1,378	5,009	-3,631	48,404	-52,035	...	1,378	5,009	-3,631	2,48,354	-2,51,985
	Nira Canal, including Shetphal Tank ...	60,70,183	3,63,751	64,33,934	4,00,384	93,693	3,06,691	2,03,837	1,02,854	4.77	35,11,299	14,18,690	20,92,609	54,82,053	-33,58,444
	Total, Bombay* ...	99,74,563	5,13,689	1,04,88,252	4,71,758	1,16,302	3,55,456	3,27,728	27,728	3.39	39,82,494	18,00,070	21,82,424	78,57,915	-56,75,491
20	TOTAL, PROTECTIVE ...	2,97,18,309	15,52,203	3,12,70,512	9,88,940	4,84,065	5,04,875	9,77,465	-4,72,590	1.61	83,27,566	57,71,249	25,56,817	1,66,93,648	-1,41,37,326

* Exclusive of Rs. 4,12,860 incurred on the Gokak Canal, 1st Section.—vide footnote (a) on page 19.

STATEMENT No. V.

Capital outlay and interest charges of individual Protective Irrigation Works under construction during 1909-1910.

Number of works.	Major Works.	Capital outlay to end of 1909-1910.			Interest for 1909-1910.	Interest to end of 1909-1910.
		Direct.	Indirect.	Total.		
		Rs.	Rs.	Rs.	Rs.	Rs.
6	<i>Central Provinces.</i>					
	Khairee Tank ...	77,296	1,933	79,229	1,993	3,941
	Tondula Canal Project.	1,863	26	1,909	32	32
	Rumal ...	2,66,934	7,317	2,74,251	8,173	17,765
	Ramtek Reservoir	20,11,410	45,649	20,57,059	54,911	97,292
	Wara Tank ...	1,68,243	4,991	1,73,234	4,858	9,415
	Barera Kalan Tank ...	48,677	1,038	49,715	1,024	1,232
	Total, Central Provinces ...	25,74,443	60,954	26,35,397	70,983	1,23,680
1	<i>Bengal.</i>					
	Tribeni Canal ..	46,48,493	1,17,728	47,66,221	1,41,154	5,66,214
3	<i>United Provinces.</i>					
	Dassan Canal ...	33,96,983	1,14,925	35,11,908	1,02,559	2,47,284
	Belan Canal ...	30,847	2,227	33,074	969	1,728
	Pahuj and Garhmanu Canals.	5,44,041	11,582	5,55,623	14,423	23,687
	Total, United Provinces.	39,71,871	1,28,734	41,00,605	1,17,956	2,75,639
8	<i>Madras.</i>					
	Mopad Project ..	5,19,109	61,935	5,81,044	17,451	70,137
	Bhavanasi Project ...	1,733	45	1,778	58	194
	Venkatapuram Tank...	42,326	774	43,100	916	1,123
	Total, Madras ..	5,63,168	62,754	6,25,922	18,425	71,454
3	<i>Bombay.</i>					
	Maladevi Tank ...	3,03,267	9,888	3,13,155	10,194	1,28,437
	Budbihal Tank ...	4,89,143	18,209	5,07,357	16,422	83,176
	Godavari Canal ...	40,12,174	99,357	41,11,531	1,02,129	1,68,067
	Total ..	48,04,589	1,27,454	49,32,043	1,28,745	3,79,680
16	Grand Total ...	1,65,62,564	4,97,624	1,70,60,168	4,77,266	14,22,727

STATEMENT No. VI.

Protective Irrigation Works in operation—Gross Revenue, Irrigated Area, and Mileage open.

Major Works,	Mileage in operation (including distributaries).			Gross Revenue.			Irrigated area in acres.					
	1907-1908.	1908-1909.	1909-1910.	1907-1908.	1908-1909.	1909-1910.	1907-1908.	1908-1909.	1909-1910.	Average of Triennium.		
	Miles.	Miles.	Miles.	Rs.	Rs.	Rs.	Acres.	Acres.	Acres.	1907-1908 to 1907-1908.	1902-1903 to 1901-1905.	1898-1900 to 1901-1902.
Central Provinces.												
Khapri-Aranda Tank	...	28	28	845	7,216	2,527	5,762	7,013	7,159	.....	.....	.....
Ghorajheri Tank	...	...	20	...	...	603	...	...	404	.....	.....	.....
Khairbada Tank	...	14	23	4,954	4,372	6,316	3,434	1,572	2,765	.....	.....	.....
Chandpur Tank	...	40	57	1,498	2,557	5,273	767	1,800	2,188	.....	.....	.....
Kusrangi Tank	...	8	8	854	2,565	845	2,297	1,834	19	.....	.....	.....
Khaira Datan Tank	...	5	6	284	1,532	1,247	823	915	852	.....	.....	.....
Marowda Tank	...	21	24	310	3,895	1,239	2,519	3,061	2,622	.....	.....	.....
Khola Tank	...	6	6	199	1,313	1,966	1,636	867	732	.....	.....	.....
Kukerdahi Tank	...	6	6	1,950	2,267	3,024	1,696	2,025	1,425	.....	.....	.....
Binakheri Tank	...	6	6	257	2,058	3,155	1,126	1,456	1,566	.....	.....	.....
Hargahan Tank	...	9	9	102	3,276	237	2,354	2,161	2,136	.....	.....	.....
Pindraon Tank	...	11	11	207	3,597	5,148	3,559	2,859	2,849	.....	.....	.....
Total, Central Provinces	...	154	204	10,958	34,698	31,580	25,973	25,413	24,717	.....	.....	.....
BENGAL.												
Dhaka Canal	41	41	41	17,868	27,171	13,544	12,824	13,518	5,827	.....	.....	.....
United Provinces.												
Betwa Canal	596	695	726	2,11,431	1,19,447	2,82,751	96,521	106,649	59,037	105,178	87,173	39,550
Ken Canal	263	306	324	...	6,280	64,157	66,469	46,769	50,468	.....	.....	.....
Total, United Provinces	859	941	1,050	2,11,431	1,25,727	3,46,908	162,990	153,418	1,15,505	127,334*	87,173	39,550
Madras.												
Rushikulya Project	228	228	228	1,07,014	1,17,403	1,25,150	102,018	103,941	106,095	102,529	93,596	83,237
BOMBAY.												
Deccan and Gujarat.												
Mhasvad Tank	108	108	108	10,509	24,623	69,769	11,016	10,285	6,658	} 47,187	} 45,332	} 52,586
Nira Canal including Shetphal Tank	246	246	246	4,38,264	2,93,182	4,00,384	40,888	45,533	44,138			
Pravara River Canal Project	...	...	6	...	...	227	...	...	218			
Chankapur Tank	...	...	13	...	...	1,378	...	...	3,099	.....	.....	.....
Total, Bombay	354	354	373	4,48,773	3,19,810	4,71,758	51,904	55,818	54,113	47,187	45,332	52,586
TOTAL, PROTECTIVE	1,482	1,718	1,896	7,96,044	6,24,749	9,89,940	355,709	352,103	3,06,057	293,055*	226,101	175,973

* This average has been struck on the totals of the Province (s) for the three years in question.

STATEMENT No. VII.

Financial results of individual Minor Works for which Capital and Revenue Accounts are kept during, and to the end of, 1901-1910.

[Includes both works in operation and works under construction.]

Number of works.	Minor Works.	Capital outlay to end of 1909-1910.			Revenue Account for 1909-1910.				Revenue Account to end of 1909-1910.		
		Direct.	Indirect.	Total.	Gross revenue.	Maintenance and working.	Net revenue.	Percentage of net revenue on Capital outlay.	Gross revenue.	Maintenance and working.	Net revenue.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
3	RAJPUTANA—										
	<i>Irrigation—</i>										
	Tanks in Ajmer Sub-Collectorate ...	17,79,286	68,999	18,48,285	64,650	48,772	15,878	0·86	20,86,470	10,47,077	9,89,893
	Tanks in Beawar Sub-Collectorate ...	10,54,385	52,255	11,06,640	56,712	37,996	18,716	1·69	15,17,638	9,61,702	5,55,936
	Tanks in Todgarh Sub-Collectorate ...	4,53,720	20,438	4,74,158	27,257	7,698	19,559	4·12	8,00,548	4,17,859	3,82,689
	Total ...	32,87,391	1,41,692	34,29,083	1,48,619	94,466	54,153	1·58	43,54,656	24,26,638	19,28,018
4	BALUCHISTAN—										
	<i>Irrigation—</i>										
	Khushdil Khan Reservoir ...	10,62,338	13,165	10,75,503	23,782	23,345	437	0·04	4,69,468	2,37,886	2,31,582
	Shebo Canal ...	7,09,613	11,737	7,21,250	22,051	21,226	825	0·11	3,30,761	2,21,264	1,09,497
	Anambar Channel ...	97,745	1,494	99,239	...	—8,211	8,211	8·27	...	...	...
	Nar Nullah Project ...	3,96,894	6,982	4,03,876	...	...	...	...	...	...	...
	Total ...	22,66,490	33,378	22,99,868	45,833	36,360	9,473	0·41	8,00,229	4,59,150	3,41,079
2	CENTRAL PROVINCES—										
	<i>Irrigation—</i>										
	Tank Projects ...	52,424	1,372	53,796	...	...	...	...	52	...	52
2	BURMA—										
	<i>Irrigation—</i>										
	Irrawaddy Embankments ...	36,09,296	97,334	37,06,630	12,55,364	2,26,341	10,29,023	27·76	2,62,06,529	65,75,030	1,96,31,499
	Thongwa Island Embankment ...	2,22,594	5,315	2,27,909	64,224	14,885	49,339	21·64	7,95,627	2,91,012	5,04,615
	Total ...	38,31,890	1,02,699	39,34,589	13,19,588	2,41,226	10,78,362	27·41	2,70,02,156	68,66,042	2,01,36,114
4	BENGAL—										
	<i>Irrigation—</i>										
	Saran Project ...	6,86,383	27,923	7,14,306	775	0,384	—5,609	...	2,62,136	4,30,124	—1,67,988
	<i>Navigation—</i>										
	Calcutta and Eastern Canals ...	84,41,993	1,23,039	85,65,032	3,80,758	2,37,443	1,43,315	1·67	2,94,95,765	1,37,84,806	1,57,10,959
	Orissa Coast Canal ...	43,72,462	1,06,616	44,79,078	26,129	69,886	—43,757	...	18,04,325	19,11,067	—6,06,242
	Madaripur-Bhil route ...	20,54,769	80,748	20,85,517	45,032	22,093	22,939	1·10	3,51,866	2,01,579	1,49,787
	Total ...	1,43,69,224	2,60,453	1,51,29,677	4,51,919	3,29,422	1,22,497	0·81	3,11,51,956	1,58,97,452	1,52,54,504
	Total ...	1,55,56,107	2,88,376	1,58,44,483	4,52,694	3,35,806	1,16,888	0·74	3,14,14,092	1,63,27,576	1,50,86,516
2	UNITED PROVINCES—										
	<i>Irrigation—</i>										
	Rohilkhand Canals ...	26,45,996	2,11,546	28,57,542	2,14,651	1,18,457	96,194	3·37	57,48,103	44,78,163	12,64,945
	Bundelkhand Irrigation Works ...	73,994	8,037	82,031	15,061	8,386	6,176	7·53	3,34,362	3,75,903	—41,541
	Total ...	27,19,990	2,19,583	29,39,573	2,29,712	1,27,343	1,02,369	3·48	60,77,470	48,54,066	12,23,404
2	PUNJAB—										
	<i>Irrigation—</i>										
	Shahpur Inundation Canals ...	2,05,933	9,981	2,15,914	95,002	45,239	49,763	23·05	19,74,497	11,14,551	8,59,945
	Ghaggar Canals ...	3,33,375	9,946	3,43,321	4,506	29,156	—24,650	...	42,543	3,72,258	—3,29,715
	Total ...	5,39,308	19,927	5,59,235	99,508	74,395	25,113	4·49	20,17,040	14,86,810	5,30,230

Number of works.	Minor Works.	Capital outlay to end of 1909-1910.			Revenue Account for 1909-1910.				Revenue Account to end of 1909-1910.		
		Direct.	Indirect.	Total.	Gross revenue.	Maintenance and working.	Net revenue.	Percentage of net revenue on capital outlay.	Gross revenue.	Maintenance and working.	Net revenue.
86	MADRAS—	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.		Ra.	Ra.	Ra.
	<i>Irrigation—</i>										
	Chembrambankam Tank..	6,37,787	1,12,509	7,50,296	55,572	216	55,356	7.38	11,31,424	1,49,772	9,61,652
	Madras Water-supply and Irrigation Extension Project ...	15,34,058	2,38,608	17,72,666	35,398	18,086	22,297	1.26	8,54,513	5,91,937	2,62,576
	Palar Anicut System ...	22,85,767	1,15,785	24,01,552	1,73,515	53,298	20,277	5.01	49,21,860	28,54,229	20,67,631
	Tbadapalle Channel System ...	1,62,912	11,006	1,73,918	46,227	17,248	28,984	16.66	13,05,540	5,16,440	7,89,100
	Pelardorai Anicut System.	5,53,038	46,366	5,99,404	40,627	13,203	27,424	4.57	7,45,788	6,53,598	92,190
	Kalingaroyen Channel System ...	1,55,737	4,074	1,59,811	29,285	11,769	17,516	10.96	7,54,099	6,63,609	90,490
	Ganjaun Minor Rivers ...	2,49,076	10,075	2,59,151	72,509	18,090	54,479	21.02	13,39,924	7,11,727	6,28,197
	Hajipuram Project ...	2,77,245	32,582	3,09,827	...	105	-105	...	10	106	-96
	Arkenkota Channel System.	1,98,239	8,618	1,41,857	18,492	5,694	12,793	9.02	3,93,895	3,37,080	-56,815
	Sagileru Project ...	4,47,108	17,619	4,64,727	5,572	2,854	2,716	0.58	40,247	56,877	-16,630
	Muniyeru ...	5,64,064	29,515	5,93,579	17,941	11,637	6,274	1.06	1,30,639	98,763	31,876
	Ponnalur Tank Project ...	1,65,772	21,717	1,90,489	...	...	...	...	...	...	...
	Other Works (20)...	13,95,492	68,256	14,63,747	1,47,921	17,546	2,30,375	11.97	40,75,910	12,10,044	28,65,866
	TOTAL	85,66,295	7,14,679	92,80,974	6,43,044	1,64,658	4,78,386	5.15	1,56,93,849	78,44,132	78,49,667
	<i>Navigation—</i>										
	Buckingham Canal ...	85,22,478	4,88,175	90,10,653	74,457	97,558	-23,101	...	39,76,281	43,52,029	-3,75,748
	Other Works (3) ...	3,06,039	16,913	3,22,952	1,352	10,866	-9,514	...	25,439	1,84,281	-1,58,842
	TOTAL	88,28,517	5,05,088	93,33,605	75,809	1,08,424	-32,615	...	40,01,720	45,36,310	-5,34,590
	Grand Total	1,73,94,812	12,19,767	1,86,14,579	7,18,853	2,73,082	4,45,771	2.99	1,96,95,569	1,23,80,492	73,15,077
89	BOMBAY—										
	<i>FIND—</i>										
	<i>Irrigation—</i>										
	Sukkur Canal ...	13,64,754	61,496	14,26,250	1,81,049	70,100	1,10,949	7.78	41,69,649	21,30,204	20,39,445
	Ghar " ...	5,41,696	30,690	5,72,386	6,21,247	1,95,516	4,25,731	74.38	2,39,73,475	68,18,259	1,71,55,216
	Marak Great Canal ...	2,07,436	8,310	2,15,746	88,287	12,318	75,969	35.21	22,77,568	7,65,972	15,11,596
	Sarfranzwah ...	1,18,559	6,121	1,24,680	43,410	13,683	29,727	23.84	8,56,432	4,95,486	3,60,946
	Fuleli ...	19,13,446	71,215	19,84,661	5,68,561	1,54,629	4,13,932	20.86	1,52,56,141	71,76,464	80,79,677
	Other Works (8) ...	4,78,579	20,183	4,98,762	67,946	37,765	30,183	6.05	5,00,252	2,85,975	2,14,277
	TOTAL	46,24,470	1,98,015	48,22,485	15,70,502	4,84,011	10,86,491	22.53	4,70,33,507	1,76,72,360	2,93,61,147
	<i>DECCAN AND GUJARAT—</i>										
	Jamda Canals ...	9,91,178	49,911	10,41,089	7,727	7,894	-167	...	2,53,413	4,84,658	-2,31,240
	Parsul Tank ...	2,08,007	6,988	2,14,995	1,498	1,123	375	0.17	37,853	22,205	15,447
	Pravara River Works—										
	Ojhar Canal ...	3,24,317	23,233	3,47,550	13,162	8,010	5,152	1.48	2,25,860	3,10,807	-84,947
	Bhatodi Tank ...	3,52,686	27,022	3,79,707	8,631	6,066	2,565	0.68	1,66,499	1,80,515	-14,022
	Shirsuphal Tank ...	2,12,199	12,369	2,24,568	3,603	1,883	1,720	0.77	70,338	77,234	-6,896
	Bhadalvadi ...	2,13,115	14,307	2,27,422	5,849	2,727	3,122	1.37	74,725	64,116	10,609
	Ashti ...	7,57,050	79,041	8,36,091	15,115	5,872	9,243	1.17	1,41,577	2,05,999	-64,422
	Upper Man River Works...	4,15,835	23,451	4,39,286	3,981	4,338	-357	...	1,11,927	1,56,411	-44,484
	Yerla River Irrigation Works ...	7,19,542	45,328	7,64,870	24,953	6,756	18,197	2.38	2,68,027	2,82,016	-13,989
	Maini Tank ...	4,62,125	25,525	4,87,650	3,347	3,018	5,329	1.09	1,67,999	1,40,320	27,679
	Madag " ...	1,61,243	6,350	1,67,593	2,779	2,111	668	0.40	81,827	80,873	954
	Muehkundi Tank ...	1,40,217	18,490	1,58,707	770	317	453	0.29	8,182	11,441	-3,259
	Gokak Canal, 1st Section, and Storage Works (a)...	9,00,811	68,445	9,69,256	53,998	12,969	41,029	4.23	7,33,847	1,80,460	5,53,387
	Other Works (18)...	20,91,766	1,87,892	22,79,658	33,959	29,159	4,800	0.21	5,33,846	4,21,677	1,12,169
	TOTAL, DECCAN AND GUJARAT	79,50,095	5,88,352	85,38,447	1,84,372	91,743	92,629	1.11	28,75,713	26,18,727	2,56,986
	TOTAL, BOMBAY	1,25,74,565	7,86,367	1,33,60,932	17,54,874	5,75,754	11,79,120	8.62	4,99,09,220	2,02,91,097	2,96,18,133
94	GRAND TOTAL	3,45,25,236	20,47,620	3,65,72,856	42,41,953	13,20,586	29,21,367	7.99	10,61,16,808	4,46,58,099	6,14,58,709
	IRRIGATION.	2,36,97,741	7,65,541	2,44,63,282	5,27,728	4,37,846	89,882	0.37	3,51,53,676	2,04,38,762	1,47,19,914
	NAVIGATION.	5,32,22,977	28,18,161	6,10,36,138	47,69,631	17,58,432	30,11,249	4.93	14,12,70,484	6,50,91,861	7,61,78,623

(c) Exclusive of expenditure of Rs. 4,12,666, incurred from the grant under "35—Construction of Protective Irrigation Works."

STATEMENT No. VIII.

Minor Works.—Gross Revenue, Irrigated Area and Mileage open.

Minor Works.	Mileage in operation (including distributaries),			Gross Revenue.			Irrigated area in acres.					
	1907-1908.	1908-1909.	1909-1910.	1907-1908.	1908-1909.	1909-1910.	1907-1908.	1908-1909.	1909-1910.	Average of Triennium for each Province.		
										1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.
	Miles.	Miles.	Miles.	Rs.	Rs.	Rs.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
<i>Rajputana.</i>												
Tanks in Ajmer Sub-Collectorate.	...	...	...	59,169	66,482	64,650	18,127	19,045	20,850	...	...	...
Tanks in Beawar Sub-Collectorate.	...	...	...	34,168	45,178	56,712	14,732	16,071	15,894	...	...	...
Tanks in Todgarh Sub-Collectorate.	...	...	...	24,854	27,339	27,257	5,094	4,700	4,846	...	...	...
Total, Rajputana ...	...	...	...	1,18,191	1,38,999	1,48,619	37,953	38,816	41,590	27,542	26,665	24,100
<i>Baluchistan.</i>												
Khushdil Khan Reservoir...	22	22	22	27,553	1,117	23,792	5,321	...	2,365	...	...	...
Shebo Canal ...	25	25	25	12,323	14,307	22,061	1,798	2,065	2,001	...	...	...
Total, Baluchistan ...	47	47	47	40,376	15,424	45,853	7,119	2,065	4,366	7,468	5,468	5,345
<i>Central Provinces.</i>												
Dongabori Tank ...	...	...	...	...	52	...	...	44	...	...	...	...
<i>Burma.</i>												
Irrawaddy Embankments ...	...	...	...	12,37,495	12,67,423	12,55,364	417,320	428,311	424,714	...	...	...
Thongwa Island Embankment.	...	...	...	72,735	64,826	64,224	26,792	26,055	27,944	...	...	...
Total, Burma ...	...	...	...	13,10,230	13,32,249	13,19,588	444,112	456,366	452,658	448,268	445,571	433,271
<i>Bengal.</i>												
Saran Project ...	19	19	19	717	1,158	775	...	...	...	...	...	...
<i>United Provinces.</i>												
Dun Canals ...	...	...	...	...	...	...	...	...	...	...	...	...
Rohilkhand Canals ...	414	489	410	1,70,284	2,07,453	2,14,651	114,102	118,912	106,947	...	...	...
*Bijnor Canals ...	...	...	...	...	...	...	...	...	...	...	...	...
Bundelkhand Irrigation Works.	66	66	74	11,030	14,972	15,061	8,570	6,643	4,006	...	...	...
Total, United Provinces ...	480	505	514	1,81,264	2,23,425	2,29,712	122,672	120,555	110,953	124,746	112,018	134,577
<i>Punjab.</i>												
Shahpur Inundation Canals.	138	138	138	69,974	71,669	95,002	17,435	34,707	39,600	...	...	...
Shaggar Canals ...	68	68	68	14,333	3,430	4,506	9,617	12,831	19,723	...	...	...
Total, Punjab ...	206	206	206	78,207	75,099	99,508	27,052	47,538	59,323	37,274	109,677	519,448
<i>North-West Frontier Province.</i>												
*Kabul River Canal ...	...	...	...	...	...	...	...	...	...	...	19,090	...
<i>Madras.</i>												
Chembrambaukam Tank ...	27	27	27	33,370	33,910	55,572	16,517	18,238	21,635	...	...	...
Palar Anicut System ...	296	296	296	78,235	1,38,180	1,73,515	88,117	95,593	104,044	...	...	...
Pelandurai Anicut System...	64	64	64	41,455	46,135	40,627	12,006	11,740	12,126	...	...	...
*Lower Coleroon Anicut System ...	...	...	...	...	...	...	...	...	...	...	...	...
Madras Water-supply and Irrigation Extension Project ...	10	10	10	34,523	35,780	35,383	10,747	11,168	10,119	...	...	...
*Shariatope Anicut System.	...	...	...	...	...	...	...	...	...	...	...	...
Tirukkoyilur Anicut System.	...	...	...	...	...	...	...	...	...	...	...	...
Cheyern Anicut System ...	...	...	...	...	...	...	...	...	...	...	...	...
*Poiney Anicut System ...	...	...	...	...	...	...	...	...	...	...	...	...
Sagileru Project ...	14	14	14	703	4,478	5,572	4,751	6,246	6,279	...	...	...
Muniyeru Project ...	67	67	67	12,991	14,926	17,941	3,694	4,117	4,863	...	...	...

* Transferred to the category of productive public works from 1st April 1907.

† Transferred to the category of minor works for which only revenue accounts are kept.

STATEMENT No. VIII—continued.

Minor Works.—Gross Revenue, Irrigated Area and Mileage open—concluded.

Minor Works.	Mileage in operation (including distributaries).			Gross Revenue.			Irrigated Area in acres.			Average of Triennium for each Province.		
	1907-1908.	1908-1909.	1909-1910.	1907-1908.	1908-1909.	1909-1910.	1907-1908.	1908-1909.	1909-1910.	1905-1906 to 1907-1908.	1902-1903 to 1904-1905.	1899-1900 to 1901-1902.
	Miles.	Miles.	Miles.	Rs.	Rs.	Rs.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
Madras—continued.												
Thadapalle Channel System.	76	76	76	37,367	42,308	46,227	15,765	15,767	15,611	...	...	...
Kalingaroyen Channel System ...	61	61	61	25,149	26,918	29,285	22,372	22,594	22,715	...	...	...
Ganjam Minor rivers System	100	100	100	53,381	66,956	72,509	77,152	85,255	71,451	...	...	...
Arkenkota Channel " ...	24	24	24	11,222	13,979	18,492	4,556	4,786	4,899	...	...	...
Other works ...	234	246	211	1,20,369	1,32,281	1,47,921	67,904	72,845	69,951	...	...	...
Total, Madras ...	973	985	950	4,48,765	5,49,701	6,43,044	323,581	347,849	349,693	492,604	568,519	532,546
BOMBAY.												
Sind.												
Sukkur Canal ...	180	180	180	1,61,595	1,36,515	1,81,049	82,048	96,607	89,970	...	...	...
Ghar Canal ...	296	296	296	4,86,147	7,05,881	6,21,247	219,844	281,679	230,333	...	...	...
Marak Great Canal ...	173	173	173	88,253	1,00,187	86,287	61,052	65,210	59,820	...	...	...
Sarfarwah Canal ...	111	111	111	38,643	44,598	43,410	29,726	37,368	33,771	...	...	...
Fuleli Canal ...	1,021	1,022	1,022	4,08,383	5,00,183	5,63,561	344,661	374,130	366,464	...	...	...
Other works ...	193	196	196	45,825	41,029	67,948	39,414	45,608	46,169	...	...	...
Total, Sind ...	1,924	1,928	1,927	12,23,846	15,91,393	15,70,502	776,646	900,602	826,527	863,415	816,047	631,324
Deccan and Gujarāt.												
†Khari Cut ...	36	36	...	7,394	70,492	...	6,160	8,525	...	...	...	...
Jamda Canals ...	114	114	114	6,133	10,059	7,727	6,123	2,825	1,902	...	...	...
Farsul Tank ...	5	5	5	3,892	3,700	1,498	933	524	1,447	...	...	...
Pravara River Works—												
Ojhar Canal ...	40	40	40	12,118	15,233	13,162	2,849	8,105	6,179	...	...	...
Bhatodi Tank ...	10	10	10	6,778	6,153	8,631	1,196	1,212	1,510	...	...	...
*Matoba Tank ...	17	...	...	15,865	...	...	1,616	...	...	...	...	...
Shirsuphal Tank ...	12	12	12	5,501	2,511	3,603	1,405	839	1,481	...	...	...
Bhadalsadi Tank ...	10	10	10	5,533	1,255	5,849	1,026	1,578	1,986	...	...	...
Ashi Tank ...	30	30	30	6,400	11,897	15,115	4,574	2,960	3,759	...	...	...
Upper Man River Works ...	24	24	24	1,732	5,196	3,981	887	1,184	687	...	...	...
Yerala River Irrigation Works												
Mainsi Tank ...	37	37	37	10,841	18,299	24,958	3,781	3,865	3,784	...	...	...
Muchkundi Tank ...	17	17	17	6,227	8,096	8,447	1,553	1,609	1,615	...	...	...
Madag Tank ...	9	9	9	684	392	2,779	4	2	...	...	...	...
Gokak Canal—1st Section and Storage Works ...	52	52	52	2,868	2,635	770	758	895	661	...	...	...
Other works ...	65	74	81	53,406	57,262	59,998	7,743	8,016	8,507	...	...	...
Total, Deccan and Gujarāt.	478	470	441	1,66,583	2,45,647	1,84,372	51,523	59,629	40,661	40,086	37,095	40,859
Total, Bombay ...	2,402	2,398	2,363	13,90,429	18,37,040	17,54,874	828,168	954,231	867,128	903,501	853,142	872,163
Total, Minor Works ...	4,127	4,160	4,104	35,68,179	41,72,147	42,41,953	1,790,657	1,967,464	1,876,791	2,059,408	2,140,150	2,521,472

* Amalgamated with Hathmati Canal under "49" from 1st April 1909.
 † Amalgamated with Mutha Canals under "49" from 1st April 1908.

STATEMENT No. IX.

General result of Irrigation Works in British India for which Capital and Revenue Accounts are kept.

STATEMENT No. IX.

General result of Irrigation Works in British India for which Capital and Revenue Accounts are kept.

	Capital outlay to end of 1909-1910.	Gross Revenue during 1909-1910.	Maintenance charge during 1909-1910.	Net Revenue during 1909-1910.	Percentage of net Revenue on Capital outlay.	Percentage of maintenance charges to Gross Revenue.	Area irrigated (in acres).	Estimated value of crops.	Average value of crops per acre.	Average rate of revenue assessed per acre.	Gross revenue realized per acre irrigated.	Cost of maintenance per acre irrigated.
	Rs.	Rs.	Rs.	Rs.			Acres.	Rs.	Rs.	Rs.	Rs.	Rs.
<i>Rajputana.</i>												
Minor Works	84,29,088	1,48,619	94,466	54,153	1.58	63.56	41,590	10,15,249	24.41	3.37	3.57	2.27
<i>Baluchistan.</i>												
Minor Works	22,90,868	45,833	86,360	9,473	0.41	79.33	4,386	1,34,377	30.64	10.13	10.45	8.29
<i>Central Provinces.</i>												
Productive	8,20,980	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Protective	56,94,984	31,580	24,322	7,258	0.13	77.01	24,717	8,68,929	34.95	1.56	1.28	0.98
Minor Works	53,736	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total, Central Provinces ...	65,69,160	31,580	24,322	7,258	0.11	77.01	24,717	8,68,929	34.95	1.56	1.28	0.98
<i>Burma.</i>												
Productive	1,57,37,765	9,16,203	2,43,463	6,72,740	4.27	26.57	205,659	36,89,372	17.94	4.38	4.46	1.18
Minor Works	39,34,589	13,19,588	2,41,226	10,78,862	27.41	18.28	452,659	2,06,55,769	45.63	2.91	2.92	0.58
Total, Burma	1,96,72,354	22,35,791	4,84,689	17,51,602	8.90	21.63	658,311	2,43,45,141	36.96	3.37	3.40	0.74
<i>Bengal.</i>												
Productive	6,20,03,646	26,15,623	14,72,632	11,42,891	1.84	56.30	945,897	3,89,25,848	41.16	2.49	2.76	1.56
Protective	53,11,416	13,544	38,923	—25,379	.....	.....	5,627	2,43,287	43.24	2.13	2.41	6.92
Minor Works	7,14,606	775	6,384	—5,609	.....	.....	.....	.....	.....	.....	.....	.....
Total, Bengal	6,80,29,868	26,29,842	15,17,939	11,11,903	1.63	57.72	951,524	3,91,68,635	41.16	2.49	2.76	1.60
<i>United Provinces.</i>												
Productive	9,27,36,342	1,05,15,311	36,82,025	63,33,286	7.37	35.02	2,282,371	11,92,63,892	52.25	4.28	4.61	1.61
Protective	1,62,38,778	3,46,908	2,43,573	98,085	0.60	71.74	115,505	40,43,216	35.00	2.56	3.00	2.15
Minor Works	29,39,573	2,29,712	1,27,313	1,02,369	3.48	55.44	110,953	63,28,025	57.01	1.91	2.07	1.15
Total, United Provinces ...	11,19,14,693	1,10,91,931	40,58,241	70,33,690	6.28	36.59	2,508,829	12,96,33,173	51.67	4.09	4.42	1.62

<i>Punjab.</i>														
Productive	...	...	15,20,89,670	2,28,99,978	79,19,245	1,44,80,733	9.52	35.35	5,768,031	17,49,69,867	30.33	3.88	3.88	1.37
Minor Works	...	...	5,59,235	99,508	74,395	25,113	4.49	74.76	59,323	15,20,701	25.63	1.85	1.68	1.25
Total, Punjab			15,26,48,905	2,24,99,486	79,93,640	1,45,05,846	9.50	35.53	5,827,354	17,64,90,568	30.29	3.86	3.86	1.37
<i>North-West Frontier Province.</i>														
Productive	...	...	95,43,889	8,27,400	2,80,176	5,47,524	5.73	33.86	223,653	81,07,447	36.25	3.58	3.70	1.25
<i>Madras.</i>														
Productive	...	...	8,23,14,552	1,02,83,684	27,23,915	75,59,769	9.13	26.49	3,313,068	18,12,62,633	30.61	4.40	3.10	0.82
Protective	...	...	56,63,827	1,25,150	55,645	69,505	1.23	44.46	106,095	29,15,033	27.48	1.79	1.18	0.52
Minor Works	...	...	92,80,974	6,43,044	1,64,658	4,78,356	5.15	25.61	343,693	1,09,93,789	31.99	3.60	1.87	0.48
Total, Madras			9,72,61,353	1,10,51,878	29,41,218	81,07,660	8.34	26.84	3,762,856	14,51,71,555	35.63	4.25	2.94	0.78
<i>Bombay including Sind.</i>														
Productive	...	...	3,90,37,800	33,54,709	11,57,433	22,07,276	5.65	34.40	1,196,621	3,75,98,725	31.42	2.76	2.81	0.97
Protective	...	...	1,54,20,295	4,71,758	1,16,302	3,55,456	2.30	24.65	54,113	46,93,524	36.73	6.45	8.71	2.14
Minor Works	...	...	33,60,932	17,54,874	5,75,751	11,79,190	3.82	32.81	867,138	2,08,44,133	24.03	2.56	2.02	0.66
Total, Bombay including Sind			6,78,19,027	55,91,341	18,49,489	37,41,852	5.52	33.08	2,117,925	6,31,36,382	29.81	2.77	2.64	0.87
Total			53,91,88,200	5,61,53,701	1,92,83,540	3,68,79,161	6.84	34.31	16,121,145	58,80,66,456	36.48	3.74	3.48	1.20
Punjab, Native States, Productive Works	...	...	1,52,79,641	17,56,577	7,42,681	10,13,890	6.63	42.28	348,973	1,08,14,526	30.99	4.44	5.03	2.13
Grand Total			55,41,67,841	5,79,10,278	2,00,26,221	3,78,84,057	6.83	34.58	16,470,118	59,88,80,982	36.36	3.74	3.52	1.22

STATEMENT No. X.

Financial results of Minor Works for which only Revenue Accounts are kept for 1909-1910.

Province.	Area irrigated.	Revenue receipts.	Charges.	Net revenue.
	Acres.	Rs.	Rs.	Rs.
Burma	506,865	14,94,175	7,17,902	7,76,373
Bengal ... ..	.....	38,902	1,42,840	—1,03,438
Punjab	898,305	16,47,130	9,62,298	6,84,832
Bombay, including Sind	1,082,024	30,35,191	11,94,285	18,40,906
Central Provinces	12,791	19,203	13,202	6,001
Central India ... ..	.....	.....	7,396	—7,396
Total	2,500,465	62,34,601	30,37,323	31,97,275

*By order of His Excellency the Honourable the Governor in Council,*A. HILL,
Secretary to Government.