Public Works (1896) Department.

G.O., No. 350/36

Dated 14-1-96

[Despatch Abstract.]

Financial results of Irrigation and Navigation works. Abstract of Statements for 1894-95 ordered to be forwarded to the Govt of India.

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Forwarded

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated January, 14th.

Recd. *Encl.*

G.O. Nos. 35, 36 I., 14th Jan. 1896.

JANUARY.

Financial Results of Irrigation and Navigation Works

Forwarding Proceedings embodying the statements of — for 1894–95.

No. 35 I., 14th January 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following paper :—

Office-note from the Examiner, Public Works Accounts, dated 20th December 1895, No. 4510 D./B.

Herewith the statements of financial results of Irrigation and Navigation works for 1894–95 for submission to the Government of India.

2. Columns 2 and 3 of table I and the entries against Kurnool canal in columns 16 to 20 of the same table have been left blank to be filled in by your office.

ENCLOSURE.

STATEMENT showing the Financial results of Irrigation works in the Madras Presidency for and up to end of 1894–95.

Table I—Principal results of operations for the year ended 31st March 1895.

Irrigation works.	Mileage in operation.		Direct Capital outlay during the year 1894–95, including cost of establishment and Tools and Plant.	Gross receipts, direct and indirect, from all sources.	Working Expenses.			Net Revenue (excluding charges for interest).		Interest at 4 per cent. on direct capital outlay at commencement of year and 2 per cent. on outlay during the year.
	Main canal.	Distributaries.			Direct.	Indirect.	Total.	Amount.	Percentage on total direct and indirect capital outlay.	
1	2	3	4	5	6	7	8	9	10	11
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.
MAJOR WORKS.										
Irrigation Works.										
Gódávari delta system	503	1,891	513	2,50,485	60,600	3,399	63,999	1,86,486	14·55	43,664
Kistna do.	329	1,614	40,777	2,01,889	51,446	2,286	53,732	1,48,157	12·74	42,520
Cauvery do.	844	1,250	653	87,018	6 086	542	6,628	80,390	45·06	6,630
Pennér anicut system	22	120	127	16,652	2,614	164	2,778	13,874	7·35	6,547
Srivaikuntam anicut system	28	62	372	9,994	3,118	115	3,233	6,761	5·21	5,433
Sangam anicut system	9	284	3,099	18,603	3,649	222	3,871	14,732	3·67	12,330
Kurnool-Cuddapah canal	190	313	201	11,306	10,631	337	10,968	338	·02	86,771
Barúr tank project	20½	11¼	..	986	454	17	471	515	1·23	1,588
Periyár project (a)	..	..	95,979	..	..	..	..	..	..	27,505
Total ..	1,945½	5,545¼	1,41,721	5,96,933	1,38,598	7,082	1,45,680	4,51,253	7·16	2,32,988
Protective Works.										
Rushikulya project	73½	36	30,973	2,733	1,530	37	1,567	1,166	·29	14,103
Total, Major works ..	2,019	5,581¼	1,72,694	5,99,666	1,40,128	7,119	1,47,247	4,52,419	6·75	2,47,091
MINOR WORKS AND NAVIGATION.										
Irrigation Works.										
Chembrambakam tank	27	..	726	2,308	— 23	— 4	— 27	2,335	3·14	2,512
Pálár anicut system	163	127	2,111	14,481	6.318	292	6,610	7,871	3·87	7,699
Pelandurai anicut system	33	24	240	2,930	1,012	23	1,035	1,895	4·17	1,645
Madras water-supply and irrigation extension project	10	..	..	2,445	524	28	552	1,893	1·08	6,063
Lower Coleroon anicut	350	546	926	29,605	4,245	71	4,316	25,289	44·07	2,218
Shatiatope do.	41	149	1,996	10,173	1,378	22	1,400	8,773	64·47	491
Vriddhachalam do.	33	16	..	1,696	506	11	517	1,179	23·705	194
Mehmathur do.	15	9	..	1,032	359	8	367	665	9·35	277
Tirukkóyilúr do.	137	26	230	3,901	1,577	37	1,614	2,287	8·99	987
Cumbum tank	..	24	751	1,270	375	8	383	887	15·99	201
Vallur anicut	3	8	..	398	121	3	124	274	4·32	249
Marudur anicut	27	45	..	7,182	1,651	34	1,685	5,497	133·62	160
Thadapalli channel	76	..	396	3,018	334	5	339	2,679	28·64	357

(a) These projects are under construction.

Statement showing the Financial results of Irrigation works in the Madras presidency for and up to end of 1894–95—*cont.*

Table I—Principal results of operations for the year ended 31st March 1895—cont.

Irrigation works.	Surplus revenue after paying interest on direct Capital outlay.		Excess charge including interest on direct Capital outlay.		Area of land irrigated during the year.			Gross receipts per acre irrigated due to new works.	Working expenses excluding interest per acre irrigated due to new works.	Percentage of working expenses on receipts.
	Amount.	Percentage on total sum at charge.	Amount.	Percentage on total sum at charge.	Due to old irrigation works.	Due to new irrigation works.	Total.			
	12	13	14	15	16	17	18	19	20	21
	Rs.		Rs.		Acs.	Acs.	Acs.			
MAJOR WORKS.										
Irrigation Works.										
Gódávari delta system	1,42,822	(b)	..	..	155,834	603,679	759,513	·41	·106	25·5
Kistna do.	1,05,637	(b)	..	..	77,429	442,547	519,976	·45	·12	26·6
Cauvery do.	73,760	(b)	..	..	730,994	194,546	925,540	·45	·03	7·6
Pennér anicut system	7,327	6·88	..	..	42,444	28,115	70,559	·59	·098	16 7
Srivaikuntam anicut system	1,328	·93	..	..	20,148	18,425	38,573	·54	·18	32·4
Sangam anicut system	2,402	·54	..	..	56,667	20,011	76,678	·93	·19	20·8
Kurnool-Cuddapah canal	..	..	86,433	2 66	..	33,540	33,540	·34	·33	97·01
Barúr tank project	..	..	1,073	1·97	1,841	2,639	4,480	·37	·18	47·8
Periyár project (a)	..	..	27,505	3·33	..	..	..	..	..	..
Total ..	2,18,265	18·28	..	..	1,085,357	1,343,502	2,428,859	·44	·11	24·4
Protective Works.										
Rushikulya project	..	..	12,937	2·85	15,843	11,546	27,389	·24	·14	57·3
Total, Major works ..	2,05,328	12·46	..	..	1,101,200	1,355,048	2,456,248	·44	·11	24·6
MINOR WORKS AND NAVIGATION.										
Irrigation Works.										
Chembrambakam tank	..	..	177	·27	11,512	3,938	15,450	·59	..	..
Pálár anicut system	178	·06	..	..	68,411	29,964	98,375	·48	·22	45·6
Pelandorai anicut system	250	·26	..	..	2,145	6,803	8,948	·43	·15	35·3
Madras water-supply and irrigation extension project	..	..	4,170	1·34	6,340	3,708	10,048	·66	·15	22·6
Lower Coleroon anicut	23,071	(b)	..	..	44,337	67,329	111,666	·44	·06	14·6
Shatiatope do.	8,282	(b)	..	..	7,260	24,866	32,126	·409	·06	13·8
Vriddhachalam do.	985	(b)	..	..	2,395	4,215	6,610	·402	·12	30·5
Mehmathur do.	388	3·83	..	..	447	2,460	2,907	·42	·15	35·6
Tirukkóyilúr do.	1,300	7 37	..	..	16,038	10,294	26,332	·38	·16	41·4
Cumbum tank	686	13720	..	..	7,449	2,965	10,414	·43	·13	30·2
Vallúr anicut	25	·24	..	..	3,920	1,229	5,149	·32	·1	31·2
Marudur anicut	5,337	(b)	..	..	17,322	16,278	33,600	·44	·104	23·5
Thadapalli channel	2,322	(b)	..	..	10,136	4,509	14,645	·67	·08	11·2

(a) These projects are under construction. (b) Percentages on *minus* sums have been omitted.

Statement showing the Financial results of Irrigation works in the Madras Presidency for and up to end of 1894–95—*cont.*

Table I—Principal results of operations for the year ended 31*st March* 1895—cont.

Irrigation works.	Mileage in operation.		Direct Capital outlay during the year 1894–95, including cost of establishment and tools and plant.	Gross receipts, direct and indirect, from all sources.	Working Expenses.			Net revenue (excluding charges for interest).		Interest at 4 per cent. on direct capital outlay at commencement of year and 2 per cent. on outlay during the year.
	Main canal.	Distributaries.			Direct.	Indirect.	Total.	Amount.	Percentage on total direct and indirect capital outlay.	
1	2	3	4	5	6	7	8	9	10	11
			RS.	RS.	RS.	RS.	RS.	RS.		RS.
MINOR WORKS AND NAVIGATION—*cont.*										
Irrigation Works—cont.										
Arkenkota channel	24	..	1	897	166	3	169	728	7·07	401
Kalingarayen channel	61	..	..	2,173	258	2	260	1,913	31·73	235
Cheyár anicut system	61	120	2,885	3,749	2,089	50	2,139	1,610	4·18	1,443
Poiney do.	104	78	53	4,428	2,946	74	3,020	1,408	6·07	902
Dondapad tank (*a*)	..	..	3,617	..	..	..	..	..	..	301
Sagiléru project (*a*)	..	..	8,224	..	..	..	..	..	..	397
Munnyeru do. (*a*)	..	..	2,554	..	..	..	..	..	..	51
Total	1,171	1,172	24,710	91,686	23,836	667	24,503	67,183	9·84	26,783
Navigation Works.										
Buckingham canal	262	..	16,202	10,942	9,787	365	10,152	790	·09	31,698
Chilka lake canal	8	..	..	..	61	2	63	— 63	(*b*)	121
Ganjám-Gopalpur canal	..	..	..	..	1	..	1	— 1	(*b*)	572
Védáranniyam canal	34½	..	..	113	371	11	382	— 269	(*b*)	..
Total	304½	1,172	16,202	11,055	10,220	378	10,598	457	·006	32,391
Total, Minor Works and Navigation	1,475½	1,172	40,912	1,02,741	34,056	1,045	35,101	67,640	4·5	59,174

(*a*) These projects are under construction. (*b*) Percentages on *minus* sums have been omitted.

Statement showing the Financial results of Irrigation works in the Madras Presidency for and up to end of 1894–95—*cont.*

Table I—Principal results of operations for the year ended 31*st March* 1895—cont.

Irrigation works.	Surplus revenue after paying interest on direct Capital outlay.		Excess charge including interest on direct Capital outlay.		Area of land irrigated during the year.			Gross receipts per acre irrigated due to new works.	Working expenses excluding interest per acre irrigated due to new works.	Percentage of working expenses on receipts.
	Amount.	Percentage on total sum at charge.	Amount.	Percentage on total sum at charge.	Due to old irrigation works.	Due to new irrigation works.	Total.			
12	13	14	15	16	17	18	19	20	21
	RS.		RS.		ACS.	ACS.	ACS.			
MINOR WORKS AND NAVIGATION—*cont.*										
Irrigation Works—cont.										
Arkenkota channel	327	1·42	..	..	2,607	1,559	4,166	·58	·108	18·8
Kalingarayen channel	1,678	6·94	..	..	16,349	5,173	21,522	·42	·05	11·9
Cheyár anicut system	161	·42	..	..	17,278	15,947	33,225	·24	·13	57·06
Poiney do.	506	(*b*)	..	..	18,358	9,523	27,881	·46	·32	68·2
Dondapad tank (*a*)	..	..	301	3·13	..	..	..	..	..	..
Sagiléru project (*a*)	..	..	397	2·74	..	..	..	..	..	..
Munnyeru do. (*a*)	..	..	51	1·95	..	..	..	..	..	..
Total	40,400	(*b*)	..	..	252,304	210,760	463,064	..	..	26·7
Navigation Works.										
Buckingham canal	..	..	30,908	2·42	..	..	..	..	..	92·8
Chilka lake canal	..	..	184	3·32	..	..	..	..	..	..
Ganjám-Gopalpur canal	..	..	573	3·25	..	..	..	..	..	..
Védáranniyam canal	..	..	269	14·23	..	..	..	..	..	338·06
Total	..	..	31,934	2·45	..	..	..	..	..	95·9
Total, Minor Works and Navigation	8,466	·07	..	..	252,304	210,760	463,064	..	..	34·2

(*a*) These projects are under construction. (*b*) Percentages on *minus* sums have been omitted.

19th December 1895.

(Signed) D. C. GORDON,
Examiner, Public Works Accounts.

STATEMENT showing the Financial Results for Irrigation works in Madras for and up to end of 1894–95.

Table II—General Financial of the several undertakings to 31st March 1895.

Irrigation works.	Estimated cost of construction (exclusive of all indirect charges).	Date of completion of work.	Capital outlay. Direct charges. To end of previous year.	Direct charges. To end of year.	Indirect charges to end of year.	Total capital outlay both direct and indirect to end of year).	Excess of interest over net revenue in past years.	Total sum at charge at end of 1894–95.	Interest at 4 per cent. on total sum at charge at end of 1894–95.	Surplus for the year of net revenue over interest on total sum at charge.	Excess for the year of interest on total sum at charge over net revenue.	Capitalized value at 4 per cent. of net revenue (excluding charges for interest).	Surplus sum to credit in excess of total sum at charge.	Excess sum at charge over capitalized value of net revenue.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MAJOR WORKS.	RS.		RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Irrigation Works.														
Gódávari delta system	11,21,177	1846–47	10,91,356	10,91,869	1,89,796	12,81,665	— 28,48,869	— 15,67,204	— 62,688	2,49,174	..	46,62,150	62,29,354	..
Kistna do.	13,91,978	1855–56	10,42,608	10,83,385	79,125	11,62,510	— 14,44,978	— 2,82,468	— 11,299	1,59,456	..	37,03,925	39,86,393	..
Cauvery do.	1,73,358	1836–37	1,65,421	1,66,074	12,351	1,78,425	— 19,53,398	— 17,74,973	— 70,999	1,51,389	..	20,09,750	37,84,723	..
Pennér anicut system	1,66,309	1860–61	1,63,617	1,63,744	24,886	1,88,630	— 82,163	1,06,467	4,259	9,615	..	3,46,850	2,40,383	..
Srívaikuntam anicut system	1,37,289	1870–71	1,35,640	1,36,012	10,091	1,46,103	— 2,682	1,43,421	5,737	1,024	..	1,69,025	25,604	..
Sangam anicut system	3,13,913	1884–85	3,06,696	3,09,795	68,680	3,78,475	65,075	4,43,550	17,742	..	3,010	3,68,300	..	75,250
Kurnool-Cuddapah canal	21,70,513	1882–83	21,69,170	21,69,371	141	21,69,512	10,76,512	32,46,024	1,29,841	..	1,29,503	8,450	..	32,37,574
Barúr project	41,132	1887	39,698	39,698	2,273	41,971	12,362	54,333	2,173	..	1,658	12,875	..	41,458
Periyár do.	8,55,028	..	6,39,625	7,35,604	19,320	7,54,924	69,823	8,24,747	32,990	..	32,990	..	..	8,24,747
Total	63,70,697	..	57,53,831	58,95,552	4,06,663	63,02,215	— 51,08,318	11,93,897	47,756	4,03,497	..	1,12,81,325	1,00,87,428	..
Protective Works.														
Rushikulya project	4,36,800	1891–92	3,37,095	3,68,068	33,021	4,01,089	53,348	4,54,437	18,189	..	17,023	29,150	..	4,25,287
Total, Major works	68,07,497	..	60,90,926	62,63,620	4,39,684	67,03,304	50,54,970	16,48,334	65,945	3,86,474	..	1,13,10,475	96,62,141	..
MINOR WORKS AND NAVIGATION.														
Irrigation Works.														
Chembrambakam tank	66,392	1870–71	62,443	63,168	19	63,187	1,128	64,315	2,572	..	237	58,375	..	5,940
Pálár anicut system	1,99,380	1853–54	1,91,421	1,93,531	169	1,93,700	79,817	2,73,517	10,941	..	3,070	1,96,775	..	76,742
Pelandorai anicut system	41,904	1875–76	40,998	41,239	6	41,245	55,579	96,824	3,873	..	1,978	47,375	..	49,449
Madras water-supply and irrigation extension project	1,58,099	1870–71	1,51,583	1,51,583	..	1,51,583	1,60,738	3,12,321	12,493	..	10,600	49,325	..	2,64,996
Lower Coleroon anicut	77,005	1848–49	55, 00	55,926	16	55,942	— 7,46,862	— 6,90,920	— 27,637	52,926	..	6,32,225	12,23,145	..
Shatiatope anicut	13,556	1847–48	11,266	13,262	48	13,310	— 1,63,996	— 1,50,686	— 6,028	14,801	..	2,19,325	3,70,011	..
Vriddhachalam anicut	4,847	1868–69	4,847	4,847	..	4,847	— 10,498	— 5,651	— 226	1,405	..	29,475	35,126	..
Mehmathur anicut	6,923	1872–73	6,923	6,924	..	6,924	3,212	10,136	405	260	..	16,625	6,489	..
Tirukkóyilúr do.	24,414	1861–62	24,563	24,793	6	24,799	— 7,152	17,647	706	1,581	..	57,175	39,528	..
Cumbam tank	6,140	1876–77	4,646	5,397	19	5,416	— 5,411	5	..	887	..	22,175	22,170	..
Vallur anicut	6,218	1872–73	6,218	6,218	..	6,218	4,009	10,227	409	..	135	6,850	..	3,377
Marudur do.	4,369	1872–73	4,009	4,009	..	4,009	— 1,08,380	— 1,04,371	— 4,175	9,672	..	1,37,425	2,41,796	..
Thadapalli channel	11,380	1854–55	8,720	9,116	10	9,126	— 29,130	— 20,004	— 800	3,479	..	66,975	86,979	..
Arkenkota do.	10,685	1859–60	10,032	10,034	..	10,034	12,920	22,954	918	..	190	18,200	..	4,754
Kalingarayen do.	5,883	1854–55	5,874	5,874	..	5,874	18,320	24,194	968	945	..	47,825	23,631	..
Cheyár anicut	38,981	1852–53	34,628	37,512	82	37,594	2,178	39,772	1,591	19	..	40,250	478	..
Poiney do.	22,995	1855–56	22,523	22,575	18	22,593	— 35,627	— 13,034	— 521	1,929	..	35,200	48,234	..
Dondapad tank	12,719	..	5,714	9,332	95	9,427	192	9,619	385	..	385	..	..	9,619
Sagiléru project	36,100	..	5,801	14,025	184	14,209	289	14,498	580	..	580	..	..	14,498
Munnyeru do.	36,806	..	..	2,554	67	2,621	..	2,621	105	..	105	..	..	2,621
Total	7,84,790	..	6,57,209	6,81,919	739	6,82,658	— 7,68,674	— 86,016	— 3,441	70,624	..	16,79,575	17,65,591	..
Navigation.														
Buckingham canal	8,61,400	1837–38	7,84,359	8,00,561	543	8,01,104	4,75,966	12,77,070	51,083	..	50,293	19,750	..	12,57,320
Chilka lake canal	3,000	..	3,024	3,024	..	3,024	2,510	5,534	221	..	284	— 1,575	..	7,109
Ganjám-Gopalpur canal	43,100	..	14,310	14,310	..	14,310	3,318	17,628	705	..	706	— 25	..	17,653
Védáranniyam canal	..	..	..	..	..	..	1,890	1,890	76	..	345	— 6,725	..	8,615
Total	9,07,500	..	8,01,693	8,17,895	543	8,18,438	4,83,684	13,02,122	52,085	..	51,628	11,425	..	12,90,697
Total, Minor Works and Navigation	16,92,290	..	14,58,902	14,99,814	1,282	15,01,096	— 2,84,990	12,16,106	48,644	18,996	..	16,91,000	4,74,894	..

NOTE.—This statement includes Kurnool canal purchased from the late Madras Irrigation Canal Company. The result of taking over this work in 1882–83 was to reduce the percentage of net revenue on capital cost of irrigation works in Madras for which Capital and Revenue Accounts are kept from 14·9, the average of three years immediately preceding the transfer to 5·4.

19th December 1895.

(Signed) D. C. GORDON,
Examiner, Public Works Accounts.

STATEMENT showing the Financial results of Irrigation works in Madras for and up to end of 1894–95.

Table III—Main heads of Revenue and Working expenses for the year ended 31st March 1895.

Irrigation works.	Revenue.										Working Expenses.				
	Irrigation.			Navigation.	Plantations and land.	Water-power.	Miscellaneous.	Total.	Remission of revenue.	Net revenue.	Revenue management.				
											Establishment charges.				Total revenue management.
	Water-rates directly paid.	Share of land revenue.	Total.								Direction.	Execution.	Navigation.	Civil officers.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MAJOR WORKS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Irrigation Works.															
Gódávari Delta system	2,22,201	15,801	2,38,002	10,389	1,002	..	1,150	2,50,543	58	2,50,485	2,917	11,669	..	11,900	26,486
Kistna do.	1,79,307	17,209	1,96,516	3,722	474	..	1,179	2,01,891	2	2,01,889	2,259	9,037	..	9,826	21,122
Cauvery do.	75,721	10,940	86,661	..	125	..	232	87,018	..	87,018	916	3,663	..	4,333	8,912
Pennér Anicut system	14,585	2 027	16,612	..	..	..	40	16,652	..	16,652	176	703	..	831	1,710
Srivaikuntam anicut	9,655	183	9,838	..	..	..	156	9,994	..	9,994	119	476	..	492	1,087
Sangam anicut	16,360	2,189	18,549	..	..	..	54	18,603	..	18,603	197	790	..	927	1,914
Kurnool canal	10,455	..	10,455	146	285	..	449	11,335	29	11,306	143	572	..	523	1,238
Barúr tank project	984	..	984	..	..	..	2	986	..	986	12	48	..	49	109
Total	5,29,268	48,349	5,77,617	14,257	1,886	..	3,262	5,97,022	89	5,96,933	6,739	26,958	..	28.881	62,578
Protective Works.															
Rushikulya project	2,630	1	2,631	..	..	..	102	2,733	..	2,733	2	8	..	132	142
Total, Major works	5,31,898	48,350	5,80,248	14,257	1,886	..	3,364	5,99,755	89	5,99,666	6,741	26,966	..	29,013	62,720
MINOR WORKS AND NAVIGATION.															
Chembrambakam tank	2,215	88	2,303	..	..	..	5	2,308	..	2,308	..	..	..	115	115
Pálár Anicut system	12,764	1,609	14,373	..	..	..	108	14,481	..	14,481	2	9	..	719	730
Pelandorai Anicut system	2,884	18	2,902	..	4	..	24	2,930	..	2,930	..	3	..	145	148
Madras Water-works and Irrigation Extension project	1,053	46	1,099	..	..	..	1,346	2,445	..	2,445	27	108	..	55	190
Lower Coleroon anicut	24,049	5,394	29,443	..	69	..	93	29,605	..	29,605	3	13	..	1,472	1,488
Shatiatope do.	8,627	1,514	10,141	..	25	..	7	10,173	..	10,173	1	2	..	507	510
Vriddhachalam do.	1,662	28	1,690	..	1	..	5	1,696	..	1,696	..	1	..	84	85
Mehmathur do.	1,026	4	1,030	..	..	..	2	1,032	..	1,032	..	..	..	52	52
Tirukkóyilúr do.	3,535	317	3,852	..	39	..	10	3,901	..	3,901	1	4	..	193	198
Cumbum tank	1,214	56	1,270	..	..	..	..	1,270	..	1,270	..	..	..	63	63
Vallúr anicut	302	96	398	..	..	..	..	398	..	398	..	..	..	20	20
Marudur anicut	7,139	24	7,163	..	..	..	19	7,182	..	7,182	..	2	..	358	360
Thadapalli channel	2,745	265	3,010	..	..	..	8	3,018	..	3,018	..	1	..	150	151

Statement showing the Financial results of Irrigation works in Madras for and up to end of 1894–95—*cont.*

Table III—Main heads of Revenue and Working expenses for the year ended 31st March 1895—cont.

Irrigation works.	Workinge Expenses—*cont.*											
	Maintenance of works.											
	Establishment charges.											
	Direction.	Execution.	Medical.	Total.	Works.	Repairs.	Tools and plant.	Plantations.	Total maintenance.	Total direct charges.	Indirect charges.	Grand total, working expenses.
	17	18	19	20	21	22	23	24	25	26	27	28
MAJOR WORKS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Irrigation Works.												
Gódávari delta system	1,073	4,291	..	5,634	2,023	22,122	4,558	47	34,114	60,600	3,399	63,999
Kistna do.	969	3,878	..	4,847	1,250	19,885	3,723	619	30,324	51,446	2,286	53,732
Cauvery do.	— 141	— 565	..	— 706	820	— 2,791	— 149	..	— 2,826	6,086	542	6,628
Pennér anicut system	34	135	..	169	— 213	949	— 1	..	904	2,614	164	2,778
Srivaikuntam anicut	44	178	..	222	60	1,757	— 8	..	2,031	3,118	115	3,233
Sangam anicut	96	386	..	482	334	906	13	..	1,735	3,649	222	3,871
Kurnool canal	339	1,356	..	1,695	733	6,812	108	45	9,393	10,631	337	10,968
Barúr tank project	13	50	..	63	60	221	..	1	345	454	17	471
Total	2,427	9,709	..	12,136	5,067	49,861	8,244	712	76,020	1,38,598	7,082	1,45,680
Protective Works.												
Rushikulya project	52	207	..	259	..	1,124	5	..	1,388	1,530	37	1,567
Total, Major works	2,479	9,916	..	12,395	5,067	50,985	8,249	712	77,408	1,40,128	7,119	1,47,247
MINOR WORKS AND NAVIGATION.												
Chembrambakam tank	— 5	— 22	..	— 27	— 102	2	— 11	..	— 138	— 23	— 4	— 27
Pálár anicut system	205	818	..	1,023	715	3,850	..	..	5,588	6,318	292	6,610
Pelandorai anicut system	32	130	..	162	36	666	..	..	864	1,012	23	1,035
Madras water-works and irrigation extension project	12	51	..	63	— 329	601	— 1	..	334	524	28	552
Lower Coleroon anicut	96	394	..	490	393	1,874	..	..	2,757	4,245	71	4,316
Shatiatope do.	32	126	..	158	89	621	..	..	868	1,378	22	1,400
Vriddhachalam do.	16	63	..	79	44	298	..	..	421	506	11	517
Mehmathur do.	11	43	..	54	18	235	..	..	307	359	8	367
Tirukkóyilúr do.	52	206	..	258	251	870	..	..	1,379	1,577	37	1,614
Cumbum tank	12	46	..	58	17	237	..	..	312	375	8	383
Vallúr anicut	4	15	..	19	53	29	..	..	101	121	3	124
Marudur anicut	48	193	..	241	50	1,000	..	..	1,291	1,651	34	1,685
Thadapalli channel	8	31	..	39	— 6	150	..	..	183	334	5	339

Statement showing the Financial results of Irrigation works in Madras for and up to end of 1894–95—*cont.*

Table III—Main heads of Revenue and Working expenses for the year ended 31st March 1895—cont.

Irrigation works.	Revenue.										Working Expenses.				
	Irrigation.			Navigation.	Plantations and land.	Water power.	Miscellaneous.	Total.	Remission of revenue.	Net revenue.	Revenue management.				
											Establishment charges.				Total revenue management.
	Water-rates directly paid.	Share of land revenue.	Total.								Direction.	Execution.	Navigation.	Civil officers.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MINOR WORKS AND NAVIGATION—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Arkenkota channel	862	35	897	..	..	..	..	897	..	897	..	..	..	45	45
Kalingaroyen channel	2,132	41	2,173	..	..	..	..	2,173	..	2,173	..	..	..	109	109
Cheyár do.	3,404	332	3,736	..	..	..	13	3,749	..	3,749	..	1	..	187	188
Poiney do.	3,843	516	4,359	..	..	..	69	4,428	..	4,428	1	6	..	218	225
Total ..	79,456	10,383	89,839	..	138	..	1,709	91,686	..	91,686	35	150	..	4,492	4,677
Navigation.															
Buckingham canal	..	..	..	10,778	..	..	171	10,949	7	10,942	219	876	..	..	1,095
Chilka lake do.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ganjám-Gopalpur canal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Védáranniyam do.	..	..	..	113	..	..	..	113	..	113	2	9	..	..	11
Total ..	..	..	..	10,891	..	..	171	11,062	7	11,055	221	885	..	..	1,106
Total, Irrigation and Navigation ..	79,456	10,383	89,839	10,891	138	..	1,880	1,02,748	7	1,02,741	256	1,035	..	4,492	5,783

Statement showing the Financial results of Irrigation works in Madras for and up to end of 1894–95—*cont.*

Table III—Main heads of Revenue and Working expenses for the year ended 31st March 1895—cont.

Irrigation works.	Working Expenses—*cont.*											
	Maintenance of works.										Indirect charges.	Grand total, working expenses.
	Establishment charges.				Works.	Repairs.	Tools and plant.	Plantations.	Total maintenance.	Total direct charges.		
	Direction.	Execution.	Medical.	Total.								
	17	18	19	20	21	22	23	24	25	26	27	28
MINOR WORKS AND NAVIGATION—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Arkenkota channel	4	18	..	22	..	99	..	..	121	166	3	169
Kalingaroyen channel	4	14	..	18	30	101	..	..	149	258	2	260
Cheyár do.	71	284	..	355	223	1,323	..	..	1,901	2,089	50	2,139
Poiney do.	102	406	..	508	259	1,954	..	..	2,721	2,946	74	3,020
Total ..	704	2,816	..	3,520	1,741	13,910	— 12	..	19,159	23,836	667	24,503
Navigation.												
Buckingham canal	303	1,211	..	1,514	456	6,288	434	..	8,692	9,787	365	10,152
Chilka lake do.	2	9	..	11	..	50	..	..	61	61	2	63
Ganjám-Gopálpur canal	..	..	..	..	..	1	..	..	1	1	..	1
Védáranniyam canal	13	54	..	67	..	293	..	..	360	371	11	382
Total ..	318	1,274	..	1,592	456	6,632	434	..	9,114	10,220	378	10,598
Total, Irrigation and Navigation ..	1,022	4,090	..	5,112	2,197	20,542	422	..	28,273	34,056	1,045	35,101

19th December 1895.

(Signed) D. C GORDON,
Examiner, Public Works Accounts.

Order—No. 35 I., dated 14th January 1896.

Ordered that the statements received from the Examiner of Public Works Accounts be forwarded to the Government of India, with reference to its Circular No. 23 of 1881.

[Here enter No. 36 I., dated 14th January 1896.]

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Colonel, R.E.,
Secretary to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineers.
„ the Examiner, Public Works Accounts.
„ the Revenue Department.

Endorsement—No. 36 I., dated 14th January 1896.

Forwarded.

(By order.)

Colonel, R.E.,
Secretary to Govt., P.W.D.,
Irrigation Branch.

Exd. Md. Pahilvan.
Spare Copies

A/

No. 35. I dated 14 Jany: 96

PROCEEDINGS O[F] THE MADRAS GOVE[RNMENT]

Under date [illegible]

R[illegible]

Office note from the Ex[illegible]

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11 Jan

11/1/96

Ordered
Statements rec[eived]
from the Exam[iner]
P.W. Accounts
forwarded to
Govt of India
reference to
No. 23 of 1881.

Endorsement
No. 36. I dated 14 Jany 96
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To
The Chief Engr for I.
Supdg Engrs.
Ex. P.W.
Rev Dept.

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Statement showing the financial results of Irrigation works in the Madras Presidency for and up to end of 1894-95

Table I. Principal Results of operations for the year ended 31st March 1895

Irrigation Works	Mileage in operation: Main Canal	Mileage in operation: Distributaries	Gross receipts during the year 1894-95 including Cess on the Lands benefited and Supply to Irrigation Plant	Gross receipts direct and indirect from all sources	Working Expenses: Direct	Working Expenses: Indirect	Working Expenses: Total	Net Revenue (excluding Charges for interest): Amount	Net Revenue (excluding Charges for interest): Percentage on total Capital indirect and Capital outlay	Interest at 4 per cent on direct Capital outlay of year and 2 per cent on outlay during the year	Surplus over Gross Revenue after paying interest on direct Capital outlay: Amount	Surplus over Gross Revenue after paying interest on direct Capital outlay: Percentage on total Capital charged	Excess charge in meeting interest on direct Capital outlay: Amount	Excess charge in meeting interest on direct Capital outlay: Percentage on total Capital charged	Area of land irrigated during the year: Due to old Irrigation works	Area of land irrigated during the year: Due to new Irrigation works	Area of land irrigated during the year: Total	Gross receipts for each acre irrigated	Working Expenses (excluding interest) for each acre irrigated due to new works	Percentage of working Expenses on receipts
1	2	3	4	5	6	7	8	9	10	11	12	13	14		16	17	18	19	20	21
			Rx.	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	acres	acres	acres	Rx	Rx	Rx
Major Works																				
Irrigation works.																				
Godavari Delta system	503	1891	513	250485	60600	3399	63999	186486	14·55	42664	142822	(b)	-		155834	603679	759513	·41	·106	25·5
Kistna do	329	1614	40777	201839	51446	2286	53732	148157	12·74	42520	105637	(b)	-		77429	442647	519976	·45	·12	26·6
Cauvery do	844	1250	653	87018	6086	542	6628	80390	45·66	6630	73760	(b)	-		72094	194546	266540	·45	·03	7·6
Pennar Ancient Systems	22	120	127	16652	2614	164	2778	13874	7·35	6547	7327	6·88	-		42444	28115	70559	·59	·098	16·7
Srivaikunthum Ancient System	28	62	372	9994	3118	115	3233	6761	5·21	5433	1328	·93	-		20148	18425	38573	·54	·18	32·4
Gangam Ancient System	9	284	3099	18603	3649	222	3871	14732	3·67	12330	2402	·54	-		56667	20011	76678	·93	·19	20·8
Kurnool-Cuddapah canal	190	313	201	11306	10631	337	10968	338	·02	86771	-	-	86433	2·66	"	33540	33540	·34	·33	97·01
Barur Tank Project	20½	11¼	-	986	454	17	471	515	1·23	1588	-	-	1073	1·17	1841	2639	4480	·37	·18	47·8
Periyar Project (a)	-	-	95979	"	"	"	"	"	"	27505	-	-	27505	3·33	"	-	-	-	-	-
Total	1945½	5545¼	141721	596933	138598	7082	145680	451253	7·16	232988	~~332676~~ 218265	18·28	~~116011~~	-	1085357	1343502	2428859	·44	·11	24·4
Protective Works																				
Rushikulya Project	73½	36	30973	2733	1530	37	1567	1166	·29	14103	-	-	~~6937~~	- 2·85	15843	11546	27389	·24	·14	57·3
Total Major Works	2019	5581¼	172694	599666	140128	7119	147247	452419	6·75	247091	~~205326~~ 333276	12·46	~~127948~~		1101200	1355048	~~2456248~~ 2456248	·44	·11	24·6
Minor Works and Navigation																				
Irrigation Works.																				
Chembrambakam Tank	27	-	726	2308	- 23	- 4	- 27	2335	3·14	2512	"	-	177	27	11512	3938	16450	·59	-	-
Palar Ancient System	163	127	2111	14481	6318	292	6610	7871	3·87	7699	178	·06	-		68411	29964	98375	·48	·22	45·6
Pelandurai do	39	24	240	2930	1012	23	1035	1895	4·17	1645	250	·26	-		2145	6803	8948	·43	·15	35·3
Madras water supply & Irrigation Project	10	-	"	2445	524	28	552	1893	1·08	6063	-	-	4670	1·34	6340	3708	10048	·66	·15	22·6
Lower Coleroon Ancient	350	546	926	29805	4245	71	4316	25289	44·07	2218	23071	(b)	-		44337	67329	111666	·44	·06	14·6
Chatiatope do	41	149	1996	10173	1378	22	1400	8773	64·47	491	8282	(b)	-		7260	24866	32126	·409	·06	13·8
Vridhachalam do	33	16	"	1696	506	11	517	1179	23·705	194	985	(b)	-		2895	4215	6610	·402	·12	30·5
Mahmathur do	15	9	"	1032	359	8	367	665	9·35	277	388	3·83	-		447	2460	2907	·42	·15	35·6
Thirukkoyilur do	137	26	230	3901	1577	37	1614	2287	8·99	987	1300	7·37	-		16038	10294	26332	·38	·16	41·4
Lemban Tank	.	24	751	1270	375	8	383	887	15·97	201	686	13720	-		7449	2965	10414	·43	·13	30·2
Vallur Ancient	3	8	"	398	121	3	124	274	4·32	249	25	·24	-		3920	1229	5149	·32	·1	31·2
Marudur Ancient	27	45	"	7182	1651	34	1685	5497	133·62	160	5337	(b)	-		17322	16278	33600	·44	·104	23·5
Thadapalli Channel	76	.	396	3018	334	5	339	2679	18·64	357	2322	(b)	-		10136	4509	14645	·67	·08	11·2
Arkenkota Channel	24	.	1	897	166	3	169	728	7·07	401	327	1·42	-		2607	1559	4166	·58	·108	18·8
Kalingarayan Channel	61	.	"	2173	258	2	260	1913	31·73	235	1678	6·94	-		16349	5173	21522	·42	·05	11·9
Cheyar Ancient System	61	120	2885	3749	2089	50	2139	1610	4·18	1443	161	·42	-		17278	15947	33225	·24	·13	57·06
Poiney do	104	78	53	4428	2946	74	3020	1408	6·07	902	506	(b)	-		18358	9523	27881	·46	·32	68·2
Dondapad Tank (a)	-	-	3617	"	"	"	"	"	"	301	"	"	301	3·13	-	-	-	-	-	-
Sagileru Project (a)	-	-	8224	"	"	"	"	"	"	397	"	"	397	2·74	-	-	-	-	-	-
Munniyar do (a)	-	-	2554	"	"	"	"	"	"	51	"	"	51	1·95	-	-	-	-	-	-
Total	1171	1172	24710	91686	23836	667	24503	67183	9·84	26783	~~45496~~ 40400	(b)	5076	-	252304	210760	463064	-	-	26·7
Navigation Works																				
Buckingham Canal	262	.	16202	10942	9787	365	10152	790	·09	31698	"	-	30908	2·42	-	-	-	-	-	92·8
Ennikalake Canal	8	.	"	"	61	2	63	- 63	(b)	121	"	-	104	3·32	-	-	-	-	-	-
Gayam Gopalpur Canal	,	.	"	"	1	"	1	- 1	(b)	572	"	-	573	3·25	-	-	-	-	-	-
Vedaranieum Canal	34½	,	,	113	371	11	382	- 269	(b)	"	"	-	269	14·23	-	-	-	-	-	338·06
Total	304½	1172	16202	11055	10220	378	10598	457	·006	32391	-	-	31934	2·45	-	-	-	-	-	95·9
Total Minor Works and Navigation	1475½	1172	40912	102741	34056	1045	35101	67640	4·5	59174	~~8466~~ 8466	·07	37030	-	252304	210760	463064	-	-	34·2

(a) These projects are under Construction. (b) Percentages on minus sums have been omitted

19/12/95

Examiner P. W. Works Accounts

19/12

...Works in Madras for and up to end of 1894-95
...dertakings to 31st March 1895

	Excess of interest over net revenue in past years	Total sum at charge at end of 1894-95	Interest at 4 per cent on total sum at charge at end of 1894-95	Surplus for the year of net revenue over interest on total sum at charge	Excess for the year of interest on total sum at charge over net revenue	Capitalized value at 4 per cent of net revenue (excluding charges for interest)	Surplus sum to credit in excess of total sum at charge	Excess sum at charge over Capitalized value of net revenue
	8	9	10	11	12	13	14	15
	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx
5	– 2848869	– 15.67.204	– 62.688	249174		~~4662150~~ 4662125	~~6229354~~ 6229329	
0	– 2444978	– 282468	– 11299	159456		3703925	3986393	"
5	– 1953398	– 1774973	– 70999	151389		~~2809750~~ 2809725	~~3784273~~ 3784248	"
3	– 82163	106467	4259	9615		~~346850~~ 346825	~~240383~~ 240358	"
5	– 2682	143421	5737	1824		~~169925~~ 169900	~~25604~~ 25604	"
5	– 65075	443550	17742	"	~~3010~~ 2810	~~368300~~ 368100	"	~~25250~~ 25250
2	1076512	3246024	129841	"	129503	8450	"	3287574
1	12362	54333	2173	"	1658	12875	"	41458
4	69823	824747	32990	"	32990	"	"	824747
5	– 5108318	11.93897	47756	~~57509~~ 403497	~~16804~~ "	11281350 112.81325	14287782 10687428	42.00279
9	53348	454437	18189	"	17023	~~29150~~ 29125	"	~~425287~~ 425262
4	5054870	1648334	65945	386474	–	11310475	9662141	–
7	1128	64315	2572	"		~~68375~~ 68250	"	5940 5665
10	79817	273517	10941	"	237	~~196775~~ 196825	"	~~26743~~ 26692
5	55279	96824	3873	"	~~3078~~ 3028	47375	"	49449
3	160738	312321	12493	"	1978 ~~10609~~ 10599	~~63325~~ 63275	"	~~264996~~
2	– 746862	– 690920	– 27637	"	"	6322175	1323145	"
0	– 143776	– 150666	– 6028	52926	"	219326	~~328984~~ 328934	"
7	– 10498	– 5651	– 226	14908	"	29475	35126	"
4	3212	10136	405	1405	"	16625	6489	"
9	– 7152	17647	706	~~769~~ 1501	"	~~57475~~ 57425	39525	"
6	– 5411	5	"	~~1582~~ 884	"	~~28150~~ 28126	22190	"
8	4009	10227	409	"	135	6850	"	3377
9	– 108380	– 104371	– 4175	"	"	137425	241796	"
6	– 29130	– 20004	– 800	9672	"	66975	86979	"
4	12920	22954	918	3479	190	18200	"	4752
4	18320	24194	968	"	"	47825	23631	"
4	2178	39772	1591	945	"	~~40250~~ 40225	~~428~~ 428	"
3	– 35627	– 13034	– 521	~~22~~ "	"	35200	48234	"
7	192	9619	385	1929	"	"	"	9619
9	289	14498	580	"	385	"	"	14498
1	"	2621	105	"	580	"	"	2621
	– 768674	– 86016	– 3441	~~87457~~ 70624	105 ~~17276~~ –	~~1779600~~ 1674575	~~2197512~~ 1768541	~~431296~~ –
	475966	1277070	51083	"	~~50293~~ 50293	~~19750~~ 19725	"	1257320 1257295
	2510	5534	221	"	284	– 1575	"	7109
	3318	17628	705	"	706	– 25	"	17653
	1890	1890	76	"	346	– 6725	"	8615
3	483684	1302122	52085	"	~~51628~~ 51630	~~11425~~ 11375	"	~~1290627~~ 1290577
6	– 284990	1216106	48644	~~18446~~ 17961	68906	~~1691600~~ 1640975	~~4746844~~ 2167552	1722643

...al Company. The result of taking over
...works in Madras for which Capital
...the transfer, to 5.4.

19/12

19/12/95

Examiner, Public Works Accounts

...ko in Madras for, and to end of 1894-95
...ing expenses for the year ended 31st March 1895

6

Working Expenses.

Management			Maintenance of Works.												
Charges			Establishment charges.												
...vi-sions	Civil officers	Subor-dinate Depart-ment establish-ments	Direc-tions	Exam-ination	Medi-cal	Total	Works	Repairs	Tools and Plant	Manta-inies	Total Mainta-inance	Total direct charges	Indirect charges	Grand Total Work-ing Expenses	
15	16		17	18	19	20	21	22	23	24	25	26	27	28	
Rx	Rx		Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	
-	11900	26486	1073	4291	..	5634	203	22122	4558	47	34114	60600	3399	62999	
-	9826	21122	969	3878	.	4847	120	19885	3723	619	30324	51446	2286	53732	
-	4333	8912	-141	-565	.	-706	80	-2791	-149	-	-2826	6086	542	6628	
-	831	1710	34	135	.	169	-23	949	- 1	-	904	2614	164	2778	
-	492	1087	44	178	.	222	0	1757	- 8	-	2031	3118	115	3233	
-	927	1914	96	386	.	482	34	906	13	-	1735	3649	222	3871	
-	523	1238	339	1356	.	1695	73	6812	108	45	9393	10631	337	10968	
-	49	107	13	50	-	63	0	221	-	1	345	454	17	471	
-	28891	62578	2427	9709	-	12136	427	49861	8244	712	76020	138598	7082	145680	
-	132	142	52	207	-	259	-	1124	5	-	1388	1530	37	1567	
-	29013	62720	2479	9916	-	12395	567	50985	8249	712	77408	140128	7119	147247	
-	115	115	-5	-22	.	-27	-10	2	-11	.	-138	-23	-4	-27	
-	719	730	205	818	.	1023	75	3850	.	.	5588	6318	292	6610	
-	145	148	32	130	.	162	4	666	.	.	864	1012	23	1036	
-	55	170	12	51	.	63	-39	601	-1	.	334	524	28	552	
-	1479	1488	96	394	.	490	33	1874	.	.					
-	1479	1488	82	776	.	490	33	1874	.	.	2757	4245	71	4316	
-	607	510	32	126	.	158	38	627	.	.	868	1376	22	1400	
-	84	85	16	63	.	79	4	298	-	.	421	506	11	517	
-	52	52	11	43	.	54	8	235	.	.	307	357	8	367	
-	193	198	52	206	.	258	24	870	.	.	1179	1577	37	1614	
-	63	63	12	46	.	58	4	237	.	.	312	375	8	383	
-	20	20	4	15	.	19	3	29	.	.	101	121	3	124	
-	358	360	48	193	.	241	30	1000	.	.	1291	1651	34	1685	
-	150	151	8	31	.	39	-6	150	-	.	783	822	5	339	
-	45	45	4	18	.	22	-	99	.	.	121	166	3	169	
-	109	109	4	14	.	18	30	101	.	.	149	258	2	260	
-	187	188	71	284	.	355	225	1323	.	.	1901	2089	50	2139	
-	218	225	102	406	.	508	259	1954	.	.	2721	2946	74	3020	
-	4492	4677	704	2816	.	3520	1741	13910	-12	.	19159	23836	667	24503	
-	-	1095	303	1211	-	1514	456	6288	434	.	8692	9787	365	10152	
-	-	-	2	9	-	11	-	50	-	.	61	61	2	63	
-	-	11	13	54	-	67	-	293	.	.	360	371	11	382	
-	-	1106	318	1274	.	1592	456	6632	434	.	9114	10220	378	10598	
-	4492	5783	1022	4090	.	5112	2197	20542	422	.	28273	34056	1045	35101	

(2)

Examiner Pub: Works Accounts

Statement Showing the Financial Results for Irriga
Table II – General Financial of the several

Irrigation Works	Estimated Cost of Construction (exclusive of all indirect charges)	Date of Completion of work	Capital outlay			
			Direct charges		Indirect outlay charges to end of year	Total Capital Co (both direct and indirect) to end of
			To end of previous year	To end of year		
1	2	3	4	5	6	7
	Rx	Rx	Rx	Rx	Rx	Rx
Major Works.						
Irrigation Works.						
Godavari Delta System	11.21.177	1846-47	1091356	1091869	189796	128166
Kistna do	1391978	1855-56	1042608	1083385	79125	116251
Cauvery do	173358	1836-37	165421	166074	12351	17845
Penner Anicut System	166309	1860-61	163617	163744	24886	1886
Sriviakunthum Anicut System	137289	1870-71	135640	136012	10091	14615
Sangam Anicut System	313913	1884-85	306696	309795	68880	37847
Kurnool Cuddapah Canal	2170513	1882-83	2169170	2169371	141	2169511
Bauur Project	41132	1887	39698	39698	2273	4197
Periyar Project	855028	"	639625	735604	19320	75491
Total	6370697	"	5753831	5895552	406663	630221
Protective Works						
Rushikulya Project	436800	1891-92	337095	368068	33021	401089
Total Irrigation works	6807497	"	6090926	6263620	439684	6702310
Major Works and Navigation						
Irrigation Works						
Chembrambakam Tank	66392	1870-71	62443	63168	19	63187
Pala Anicut System	199380	1853-54	191421	193531	169	193700
Pelandorai Anicut System	41904	1875-76	40998	41239	6	41245
Madras Water supply & Irrigation Project	158099	1870-71	151583	151583	"	151583
Lower Coleroon anicut	77005	1848-49	55000	55926	16	55942
Shatiatope Anicut	13556	1847-48	11266	13262	48	13310
Vridhachalam Anicut	4847	1868-69	4847	4847	"	4847
Mehnathur Anicut	6923	1872-73	6923	6924	"	6924
Thirukoilur anicut	24414	1861-62	24563	24793	6	24799
Cumbum Tank	6140	1876-77	4646	5397	19	5416
Vallur Anicut	6218	1872-73	6218	6218	"	6218
Mamdur Anicut	4369	1872-73	4009	4009	"	4009
Thalapalli channel	11380	1854-55	8720	9116	10	9126
Arkenkota channel	10685	1859-60	10032	10034	"	10034
Katingaroyen channel	5883	1854-55	5874	5874	"	5874
Cheyar Anicut	38981	1852-53	34628	37512	82	37594
Poiney Anicut	22995	1855-56	22523	22575	18	22593
Bondapad Tank	12719	"	5714	9332	95	9427
Sagileru Project	36100	"	5801	14025	184	14209
Nunneyeru Project	36800	"	"	2554	67	2621
Total	784790	"	657209	681919	739	682658
Navigation						
Buckingham Canal	861400	1837-38	784359	800561	543	801104
Chilka lake Canal	3000	"	3024	3024	"	3024
Ganjam-Gopalpur Canal	43100	"	14310	14310	"	14310
Vedaranniem Canal	"	"	"	"	"	"
Total	907500	"	801693	817895	543	818438
Total Minor Works and Navigation	1692290	"	1458102	1499814	1282	1501096

Note – This statement includes Kurnool Canal purchased from the late Madras Irrigation Com
this work in 1882-83 was to reduce the per centage of net revenue on Capital Cost of Irriga
and Revenue Accounts credit from 14·9, the average of three years immediately preced

Statement Showing the Financial Results of Irrigation
Table III – Main heads of Revenue and

Irrigation Works	Revenue										Revenue	
	Irrigation			Navigation	Maintenance and Land	Water-power	Miscellaneous	Total	Remissions & recoveries	Net Revenue	Establishm	
	Water-rate & betterment	Share of Net-proceeds	Total								Direction	Execution
1	2	3	4	5	6	7	8	9	10	11	12	13
	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx
Major Works.												
Irrigation Works.												
Godavari Delta System	222201	15801	238002	10389	1002	-	1150	250543	58	250485	2917	11669
Kistna do	179307	17209	196516	3722	474	-	1179	201891	2	201889	2259	9037
Cauvery do	75721	10940	86661	-	125	-	232	87018	-	87018	916	3663
Pennar Anicut System	14585	2027	16612	-	-	-	40	16652	-	16652	176	703
Sivaikenotham Anicut	9655	183	9838	-	-	-	156	9994	-	2994	119	476
Sangam Anicut	16360	2189	18549	-	-	-	54	18603	-	18603	197	787
Kurnool Canal	10455	-	10455	146	285	-	449	11335	29	11306	143	571
Barur Tank Project	984	-	984	-	-	-	2	986	-	986	12	48
Total	529268	48349	577617	14257	1886	-	3262	597022	89	596933	6739	26958
Protective Works												
Rushikulya Project	2630	1	2631	-	-	-	102	2733	-	2733	2	8
Total Major Works	531898	48350	580248	14257	1886	-	3364	599755	89	599666	6741	26966
Minor Works and Navigation												
Chembrambakkam Tank	2215	88	2303	.	.	.	5	2308	-	2308	.	.
Palar Anicut System	12764	1609	14373	.	.	.	108	14481	.	14481	2	9
Pelandoray do	2884	18	2902	.	4	.	24	2930	.	2930	.	3
Madras Water Works & Imp. Extension Project	1053	46	1099	.	.	.	1346	2445	.	2445	27	108
Lower Coleroon Anicut	24049	5392								29605	3	12
	20449	8994	29443	.	69	.	93	29605	.	29605	3	13
Shatiatope do	8627	1514	10141	.	25	.	7	10173	.	10173	1	2
Vridhachelam do	1662	28	1690	.	1	.	5	1696	.	1696	.	1
Mehmathur do	1026	4	1030	.	.	.	2	1032	.	1032	.	4
Thenkoiloor do	3535	317	3852	.	39	.	10	3901	.	3901	1	-
Cumbum Tank	1214	56	1270	.	.	.	.	1270	.	1270	.	.
Vathur Anicut	302	96	398	.	.	.	.	398	.	398	.	.
Marudur do	7139	24	7163	.	.	.	19	7182	.	7182	.	2
Jr. Lapalli channel	2745	265	3010	.	.	.	8	3018	.	3018	.	1
Arkenkotta do	862	35	897	.	.	.	.	897	.	897	.	-
Kalingarayan do	2132	41	2173	.	.	.	.	2173	.	2173	.	-
Cheyar do	3404	332	3736	.	.	.	13	3749	.	3749	.	1
Ponney do	3843	516	4359	.	.	.	69	4428	.	4428	1	6
Total	79456	10383	89839	.	138	.	1709	91686	.	91686	35	1.
Navigation												
Buckingham Canal	.	.	.	10778	.	.	171	10949	7	10942	219	876
Chilka lake Canal	.	.	.	.	.	.	.	.	.	.	.	.
Rajamundry Canal	.	.	.	.	.	.	.	.	.	.	.	.
Vedaraniem Canal	.	.	.	113	.	.	.	113	.	113	2	9
Total	-	-	-	10891	-	-	171	11062	7	11055	221	885
Total Irrigation & Navigation	79456	10383	89839	10891	138	-	1880	102748	7	102741	256	1035

14/12

E. No. 27.
500—30-7-95.

KEEP-WITH CURRENT No.

dated 189 .

GOVT. OF MADRAS. } 1895. { P. W. DEPT.

EXAMINER, P. W. ACCOUNTS,

Madras, 20 December 1895.

OFFICE NOTE No. 4570 D/3

To R 224.
1 Pr

E.I.

Herewith the statements of financial results of Irrigation & Navigation Works for 1894-95 for submission to the Government of India.

2. Columns 2 and 3 of Table I and the entries against Kurnool Canal in columns 16 to 20 of the same table have been left blank to be filled in by your office.

C.

Ex 3.

9/
1 paper returned from circulation.
Rec
11/1/96

M.S.I.
~~Should not~~
May this be issued
on Tuesday. The Pres
be closed the next two
yes. I will have
this on tour tomorrow

7211
BR
21-12-95

P. W. CORBETT No. 160

Enclo 3

Acc: 8. 1-96