9992

Public Works (1896) Department.

G.O., No. 949-50 J

DATED 13th November 1896.

14/17/12

[Despatch Abstract.]

Financial Results of Irrigation and Navigation Works: Orders that the Statements of — for 1895-96, be forwarded to the Govt of India.

Financial Results of Irrigation & Navigation Works.

Forwarding Reports embodying the Statements of — for 1895-96.

200/14

70/2

T.C. 13/11.

18/11

BACK PAPERS.

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

359 P. W. 14.1.96

FURTHER PAPERS.

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

PUBLIC WORKS DEPARTMENT.

IRRIGATION BRANCH.

No 949 I & 13th November 1896.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Govt

Genl Dept

UNDER date the 5th

READ the following

Office Note from the Examiner of P.W.A.
No 3173 D/B, dy 24th Oct: 96.

Ordered that the Statements received from the Examiner of P. W. Accounts be forwarded to the Govt of India, with reference to its Circular No 23 of 1881. No 950 I dy 13th November 1896. Endorsement.

Forwarded.

W H 17/11

J H 3/11/96

W H 17/11

To
The Chief Engrs. I.
Supdg Engrs of Circles
Supdg Engr, Special Duty,
Canvey Completion Scheme
Ex. I 152
Acct Dept.

I. I. Form No 1—1,000—27-11-96.

IRRIGATION.
ACCOUNT.

Government (1896) of Madras.

PUBLIC WORKS.

Recd. } 1896. *Enclosures*
Regd. } *Spare copies*

G.O., Nos. 949, 950 I., 13th November 1896.

NOVEMBER.

Financial Results of Irrigation and Navigation Works

Forwarding Proceedings embodying the statements of — for 1895-96.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper:—

Office-note from the Examiner of Public Works Accounts, dated Madras, 24th October 1895, No. 3173 D./B.

Herewith the statements of Financial Results of Irrigation and Navigation works for 1895–96 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 for want of information in this office.

STATEMENT showing the Financial results of Irrigation Works in the Madras Presidency for and up to end of 1895–96.
Table I.—Principal results of operations for the year ended 31st March 1895.

Irrigation works.	Mileage in operation.		Direct capital outlay during the year 1895–96, including cost, 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.	RS.
MAJOR WORKS.										
Irrigation Works.										
Gódávari delta system	503	1,894	13,38	25,82,06	6,19,18	28,43	6,47,61	19,34,45	15·08	4,37,02
Kistna delta system	329	1,614	5,42,97	22,22,06	6,39,05	27,85	7,16,90	15,05,16	12·36	4,44,21
Pennér anicut system	22	120	3,21	1,68,62	26,42	3,39	29,81	1,38,81	7·35	65,66
Cangam anicut system	9	284	17,26	1,92,03	57,43	2,37	59,80	1,32,23	3·47	1,24,26
Kurnool-Cuddapah canal	190	313	4,96	1,39,73	1,05,39	3,93	1,09,32	30,41	·14	8,67,85
Barur tank	20½	11½	3,65	9,09	3,64	14	3,68	5,41	1·28	15,95
Cauvery delta system	844	1,250	20,54	10,04,31	70,60	6,89	76,89	9,27,42	51 19	66,96
Srivaikuntam anicut	28	62	1,73	80,05	26,27	1,13	27,40	53,25	3 64	54,14
Periyár works	..	..	7,29,01	..	..	..	..	..	..	3,08,82
	1,945½	5,548½	13,42,71	63,98,65	16,97,78	73,63	18,71,41	47,27,14	7·34	23,85,07
Protective Works.										
Rushikulya works	73½	72	2,26,48	38,28	31,04	67	31,71	6,57	·15	1,51,76
Total, Major Works	2,019	5,620½	15,69,19	64,36,83	16,28,82	74,30	17,03,12	47,33,71	6·8	25,36,83
MINOR WORKS AND NAVIGATION.										
Chembrambakam tank	27	..	..	20,93	— 2 32	— 8	— 2,40	23,33	3·13	25,27
Pálár anicut system	163	127	16,62	1,59,40	51,95	1,09	53,04	1,06,36	5·17	77,78
Pelandorai anicut system	39	24	..	30,04	5,86	9	6,95	24,09	5·307	16,60
Madras water-supply and irrigation extension project	10	..	..	20,08	1,60	15	1,75	18,33	1·04	60,63
Lower Coleroon anicut	350	646	*38,14	2,93,95	33,20	49	33,75	2,60,20	42·47	23,13
Shatiatope anicut system	41	149	1,49	1,04 64	16,16	20	16,45	88,19	64·101	5,34
Vriddhachalam anicut	33	10	..	15,44	6,08	15	6,53	8,91	17·91	1,94
Muhmattur anicut	15	9	..	12,80	4,73	12	4,85	7,95	11·19	2,77
Tirukkóyilór anicut	137	26	2	35,57	20,02	43	20,50	15,07	5 92	9,92
Cumbum tank	..	24	6,72	11,43	1,47	2	1,49	9,94	15 96	2,29
Vallur anicut system	3	8	..	4,21	70	1	71	3,50	5·48	2,49
Marudur do.	27	45	2,35	69,09	19,54	43	19,97	49,12	112 78	1,65

Statement showing the Financial results of Irrigation Works in the Madras Presidency for and up to end of 1895-96—*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
MAJOR WORKS.	RX.		RX.		ACS.	ACS.	ACS.	RX.	RX.	RX.
Irrigation Works.										
Gódávari delta system	14,97,43	.. (a)	..	..	153,878	529,248	683,126	·49	·12	25·09
Kistna delta system	10,60,95	.. (b)	..	..	71,288	410,087	481,375	·64	·17	32·26
Pennér anicut system	73,25	7·36	..	..	42,100	27,528	70,128	·61	·108	17·68
Sangam anicut system	7,97	·18	..	..	56,856	20,462	77,347	·94	·29	31·14
Kurnool-Cuddapah canal	..	..	8,37,44	2·51	..	32,903	32,903	·42	·18	78·23
Barur tank	..	..	10,64	1·89	1,884	2,345	4,229	·39	·15	4·05
Cauvery delta system	8,60,46	.. (b)	..	..	778,019	209,084	987,103	·49	·027	7·46
Srivaikuntam anicut	..	..	1,19	·08	18,649	15,313	33,962	·53	·18	33·97
Periyár works	..	..	3,08,82	3·33	..	..	..	..	..	..
	23,42,07	31·01	..	..	1,123,263	1,246,970	2,370,173	·52	·13	26·12
Protective Works.										
Kushikulya works	..	..	1,45,19	2·94	19,362	16,555	35,917	·23	·19	82·84
Total, Major Works ..	21,06,88	13·67	..	..	1,142,665	1,263,526	2,406,090	·51	·13	26·46
MINOR WORKS AND NAVIGATION.										
Chembrambakam tank	..	..	1,96	·26	11,143	2,248	13,391	·73	..	..
Pálár anicut system	28,61	1·003	..	..	68,343	35,793	104,146	·45	·15	33·27
Polandoral anicut system	7,50	·75	..	..	1,988	6,876	8,864	·44	·09	19·91
Madras water-supply and irrigation extension project	..	..	42,30	1·24	6,370	3,324	9,694	·604	·05	8·71
Lower Coleroon anicut	2,37,07	.. (b)	..	..	44,529	66,722	111,251	·44	·05	11·48
Shatistope anicut system	82,86	.. (b)	..	..	7,368	25,619	32,987	·408	·06	16·73
Vriddhachalam anicut	6,97	.. (b)	..	..	2,291	3,833	6,114	·403	·17	42·29
Mahmattur anicut	5,18	5·22	..	..	460	2,996	3,456	·43	·16	37·89
Tirukkóyilúr anicut	5,14	3·03	..	..	16,202	8,994	25,196	·305	·24	57·163
Cumbum tank	7,68	583·97	..	..	7,459	2,539	9,998	·46	·06	13·04
Vallur anicut system	1,01	·97	..	..	3,953	1,340	5,293	·81	·05	16·86
Marudur do.	47,47	.. (b)	..	..	16,804	15,768	32,572	·44	·13	28·904

Statement showing the Financial results of Irrigation Works in the Madras Presidency for and up to end of 1895-96—*cont.*

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

Irrigation works.	Mileage in operation.		Direct capital outlay during the year 1895-96, including cost, 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
MINOR WORKS AND NAVIGATION—*cont.*			RX.	RX.	RX.	RX.	RX.	RX.	RX.	RX.
Thadapalli channel	76	..	14,44	29,51	5,01	9	5,10	24,41	21·88	3,94
Arkonkuta channel	24	..	..	8,84	1,94	4	1,98	6,86	6·66	4,01
Kalingaroyen channel	61	..	..	20,71	5,12	10	5,22	15,49	25·69	2,35
Choyár anicut system	61	120	14,73	50,00	30,51	73	31,24	18,76	4·68	15,30
Poiney anicut system	104	78	— 5	46,07	23,43	74	26,17	19,90	8·58	9,03
Nandyar channel	..	..	48,18	— 80	63	1	64	— 1,44	.. (b)	96
Ganjám minor rivers system	..	..	..	+ 32,92	+ 2,93	3	+ 2,96	+ 29,96	..	..
Dondajad tank (c)	..	..	17,37	..	..	..	..	..	..	4,08
Sagiléru project (c)	..	..	1,27,92	..	..	..	..	..	..	8,17
Munniyeru project (c)	..	..	1,19,03 —	..	..	..	..	..	..	3,40
Total ..	1,171	1,172	4,06,96	9,64,83	2,30,92	4,98	2,35,90	7,28,93	8·34	2,80,91
NAVIGATION.										
Buckingham canal	262	..	1,97,54	1,08,37	92,54	3,49	96,03	12,34	·14	3,74,18
Chilka lake canal	8	..	..	..	37	1	38	— 38	.. (b)	1,21
Ganjám-Gojalpur canal	..	..	..	..	1	..	1	— 1	.. (b)	5,72
Védáranyam canal	34½	..	..	114	4,22	13	4,35	— 3,21	.. (b)	..
Total ..	304½	..	1,97,54	1,09,51	97,14	3,63	1,00,77	8,74	·098	3,81,11
Total, Irrigation and Navigation ..	1,475½	1,172	6,04,50	10,74,34	3,28,06	8,61	3,36,67	7,37,67	4·42	6,12,02

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

Statement showing the Financial results of Irrigation Works in the Madras Presidency for and up to end of 1895-96—*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
MINOR WORKS AND NAVIGATION—*cont.*	RS.	RS.	RS.	RS.	ACS.	ACS.	ACS.	RS.	RS.	RS.
Thadapalli channel	20.47	.. (b)	..	..	10,119	6,627	14,746	·64	·11	17·28
Arkonkota channel	2.85	·1·28	..	..	2,655	1,479	4,134	·60	·13	22·40
Kalingarayan channel	13.14	5·79	..	..	16,546	5,080	21,626	·408	·103	25·265
Cheyár anicut system	3.46	·84	..	..	17,766	19,310	37,076	·26	·16	62·48
Poiney anicut system	10,87	.. (b)	..	..	17,580	9,170	26,750	·502	·29	66·805
Nandyar channel	..	..	2,40	4·78	5,049	385	5,434	..	·17	..
Ganjám minor rivers system	+ 29,96	..	..	..	49,309	12,187	61,496	·27	·024	8·991
Dondajad tank (a)	..	..	4,08	3·39	..	..	..	..	..	..
Sagiléru project (a)	..	..	8,17	2·89	..	..	..	..	..	..
Munnéyeru project (a)	..	..	3,40	2·28	..	..	..	..	..	..
Total ..	4,48,02	.. (b)	..	..	305,917	228,310	534,227	·62	·103	24·469
NAVIGATION.										
Buckingham canal ..	..	..	3,11,84	2·27	..	..	..	..	..	88·61
Chilka lake canal ..	..	..	1,59	2·74	..	..	..	..	..	..
Ránjam-Hojalpur canal	..	..	5,73	2·95	..	..	..	..	..	..
Védaraniyam canal	..	..	3,21	14·86	..	..	..	..	..	3,81·68
Total ..	..	..	3,22,37	2·29	..	..	..	..	..	92·04
Total, Irrigation and Navigation ..	1,25,65	·914	..	..	305,917	228,310	534,227	·47	·147	31·337

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

(Signed) D. C. GORDON,
Exr., P. W. Accounts, Madras.

STATEMENT showing the financial results for Irrigation Works in Madras for and up to end of 1895-96.

Table II.—General Financial results of the several undertakings to 31st March 1896.

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 last years.	Total sum at charge at end of 1895-96.	Interest at 4 per cent. on total sum at charge at end of 1895-96.	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 including 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	1,11,73,14	1846-47	1,09,18,69	1,09,32,06	18,98,27	1,28,30,33	—2,99,16.89	—1,70,86 56	— 6 83.46	26,17,91	..	4,83,61,25	6,54,47,81	..
Kistna Do.	1,39,39,78	1856-56	1,08,33,85	1,13,76,82	8,04,58	1,21,81,40	—1,88,06.15	— 33,24,78	— 1,32,99	16,38,15	..	3,76,29,00	4,09,43,75	..
Pennar anicut system	16,65,49	1860-61	16,37,44	16,40,65	2,49,08	18,89,73	— 8,94 89	9,94,84	38,79	99,02	..	84,70,28	24,75,41	..
Sangam Do.	34,13,85	1881-86	30,97,95	31,16,22	6,95,20	38,10,42	6,35,23	44,45,65	1,77,83	..	45,60	33,06,75	..	11,39,90
Kurnool-Cuddapah canal	2,17,10,29	1882-83	2,16,93,71	2,16,98,67	1,88	2,17,00,55	1,16,79.45	3,33,80.00	13,34,20	..	13,02,79	7,60,25	..	3,26,69,75
Barur tank	4,15,07	1887-88	3,96,98	4,00,63	22,83	4,23,46	1,34.34	5,57,80	22,31	..	16,90	1,36,25	..	4,29,55
Cauvery delta system	17,69,33	1836-37	16,60,74	16,87,28	1,24,21	18,11,49	—2,02,71.60	—1,84,60.11	— 7,38.40	16,65,82	..	2,31,85,50	4,16,45,61	..
Srivaikuntam anicut system	13,76,19	1870-71	13,60,12	13,61,85	1,00,95	14,62,80	— 48.53	14,14,18	56,57	..	3,32	13,31,26	..	82,93
Periyár works	85,65,18	..	73,66,04	80,85,05	2,15,59	83,00,64	9,73,28	92,73,92	3,70,95	..	3,70,55	..	..	92,78,92
Total ..	6,42,03,42	..	5,89,55,52	6,02,98,23	41,12,59	6,44,10,82	—6,33,66.85	1,11,44,07	4,45,80	42,61,34	..	11,81,78,50	10,70,33,63	..
Protective Works.														
Rushikulya works	43,68,00	1891-92	36,80,68	39,07,15	3,57,94	42,65,09	6,62,85	49,27,94	1,97,12	..	1,90,55	1,64,25	..	47,63,69
Total, Major Works ..	6,85,71,42	..	6,26,36,20	6,42,05,38	44,70,53	6,86,75,91	—5,26,03,00	1,60,72,91	6,42,92	40,90,79	..	11,83,42,75	10,22,69.84	..
MINOR WORKS AND NAVIGATION.														
Chembrambakam tank	6,03,92	1870-71	6,31,68	6,31,68	1,12,36	7,44,04	13,06	7,57,10	30,28	..	6,95	5,83,25	..	1,73,85
Pálár anicut system	20,06,79	1853-54	19,35,31	19,5[illegible]·94	1,04,06	20,35,99	7,90,43	28,52,42	1,14,10	..	7,74	26,59,00	..	1,93,42
Pelandurai anicut system	5,06,64	1875-76	4,12,38	4,12,38	41,55	4,53,93	5,53,29	10,07,22	40,29	..	16,20	6,02,28	..	4,04,97
Madras Water-supply and Irrigation extension project	15,81,00	1870-71	15,15,83	15,15,83	2,38,92	17,54,05	16,49.07	34,03.12	1,36,12	..	1,17,79	4,58,25	..	29,44,87
Lower Coleroon anicut	9,15,71	1838-49	5,89,26	5,97,40	16,13	6,13,53	— 76.88,31	— 70,86,78	— 2,83,47	5,43,67	..	65,05,00	1,36,91.78	..
Shatiatope anicut	1,78,15	1847-48	1,32,62	1,34,12	3,46	1,37,58	— 17 22,77	— 15,85,19	— 63,41	1,51,60	..	22,04.78	37,89.94	..
Vridhachalam anicut	48,47	1868-69	48,47	48,47	1,27	49,74	— 1,14,83	— 65,09	— 2,60	11,51	..	2,22,76	2,87,84	..
Mahimathur anicut	69,23	1872-73	69,23	69,23	1,81	71,04	28,25	99,29	3,97	3,98	..	1,98,75	99,46	..
Tirukkóyilur anicut	2,44,16	1871-72	2,47,93	2,47,93	6,52	2,54,47	— 56,58	1,59,95	6,80	8,27	..	3,76,75	2,06,80	..
Cumbum tank	61,40	1876-77	59,97	60,69	1,58	62,27	— 60,96	1,31	5	9,89	..	2,48,50	2,47,19	..
Vallur anicut system	62,18	1872-73	62,18	62,18	1,63	63,81	39,82	1,03,63	4,14	..	64	87.50	..	16,13
Marudur do.	43,69	1872-73	40,09	42,44	1,11	43,55	— 11,87.16	— 10,93.61	— 43.74	92,86	..	12,28,00	23,21,61	..
Thadapalli channel	1,22,39	1854-55	91,17	1,05,61	5,96	1,11,57	— 8,14.82	— 2,03.25	— 8.11	32,52	..	8,10,25	8,13,20	..
Arkonota do.	1,06,88	1859-60	1,00,34	1,00,34	2,62	1,02,96	1,25.93	2,28,89	9,16	..	2,29	1,71,50	..	57,39
Kalingarayan channel	59,83	1854-55	58,74	58,74	1,54	60,28	1,66,42	2,26,70	9,07	6,42	..	3,87,25	1,60,55	..

Statement showing the financial results for Irrigation Works in Madras for and up to end of 1895-96—*cont.*

Table II.—General Financial results of the several undertakings to 31st March 1896—*cont.*

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.	Capital outlay. Direct charges. To end of year.	Capital outlay. Indirect charges to end of year.	Capital outlay. 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 1895-96.	Interest at 4 per cent. on total sum at charge at end of 1895-96.	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, including 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
MINOR WORKS AND NAVIGATION—*cont.*	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Cheyár anicut system	3,95,25	1852-58	3,75,12	3,89,85	10,30	4,00,15	20,10	4,20,25	16,81	1,95	..	4,69,00	48,75	..
Poiney do.	2,29,95	1855-56	2,25,75	2,25,70	6,07	2,31,77	— 3,81,34	— 1,29,57	— 5,17	25,07	..	4,97,50	6,27,07	..
Nandyar channel	52,66	1895-96	..	48,17	2,08	50,25	..	50,25	2,01	..	3,45	— 36,00	..	66,25
Ganjám minor rivers system ..	..	1852-53	..	..	..	..	..	..	..	29,96	..	7,49,00	7,49,00	..
Dondapad tank	1,27,19	..	93,32	1,10,69	4,77	1,15,46	4,93	1,20,39	4,81	..	4,81	..	..	1,20,39
Nagiluru project	3,61,00	..	1,40,25	2,69,17	6,76	2,74,93	6,85	2,81,78	11,27	..	11,27	..	..	2,81,78
Mummyeru project	3,63,00	..	25,54	1,44,67	3,77	1,48,34	51	1,48,85	5,95	..	5,95	..	..	1,48,85
Total ..	81,63,44	..	68,19,18	72,26,15	5,72,56	77,98,71	— 80,90,75	— 2,92,04	— 11,68	7,40,81	..	1,82,23,25	1,85,15,29	..
NAVIGATION.														
Buckingham canal	86,14,00	1837-38	80,05,81	82,03,15	4,80,45	86,83,60	60,68,75	1,37,52,35	5,50,09	..	5,37,75	3,06,60	..	1,34,43,85
Chilka Lake canal	30,00	..	30,24	30,24	79	31,03	26,94	57,97	2,32	..	2,70	— 9,60	..	67,47
Ganjám-Gopalpur canal	4,31,00	..	1,43,10	1,43,10	12,39	1,55,49	38,92	1,94,41	7,78	..	7,79	— 25	..	1,94,66
Védáranniyam canal	..	..	..	..	..	..	21,60	21,60	86	..	4,07	— 80,25	..	1,01,85
Total ..	90,75,00	..	81,78,95	83,76,49	4,93,63	88,70,12	51,56,21	1,40,26,33	5,61,05	..	5,52,31	2,19,50	..	1,38,07,83
Total, Irrigation and Navigation ..	1,72,38,44	..	1,49,98,13	1,56,02,64	10,66,19	1,66,68,83	— 29,34,54	1,37,34,29	5,49,37	1,88,30	..	1,84,41,75	47,07,46	..

NOTE.—This statement includes Kurnool-Cuddapah canal purchased from the late Madras Irrigation Canal Company. The results of taking over this work in 1852-53 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 6·4

D. C. GORDON,
Exr., P. W. Accounts, Madras.

Statement showing the Financial results of Irrigation Works in Madras for and up to end of 1895-96.

Table III.—Main heads of revenue and working expenses for the year ended 31st March 1896.

Irrigation Works.	Revenue. Irrigation. Water-rates directly paid.	Revenue. Irrigation. Share of land revenue.	Revenue. Irrigation. Total.	Revenue. Navigation.	Revenue. Plantation and land.	Revenue. Water power.	Revenue. Miscellaneous.	Revenue. Total.	Remission of revenue.	Net revenue.	Working expenses. Revenue management. Establishment charges. Direction.	Execution.	Navigation.	Civil officers.	Total revenue management.
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 óclta system	23,23,46	1,45,62	24,72,08	87,04	8,34	..	14,60	25,82,06	.. 2	25,82,06	30,08	1,20,33	..	1,23,60	2,74,01
Kistna do.	20,21,29	1,46,50	21,67,79	36,72	5,12	..	12,46	22,22,08	.. 2	22,22,08	25,34	1,01,37	..	1,08,39	2,35,10
Pennér anicut system	1,46,85	21,06	1,67,91	..	..	..	71	1,68,62	..	1,68,62	1,78	7,10	..	8,39	17,27
Sangam do.	1,68,69	22,90	1,91,59	..	..	..	55	1,92,14	11	1,92,03	2,03	8,15	..	9,56	19,76
Karnool-Cuddapah canal	1,30,81	30	1,31,11	1,30	2,44	..	4,97	1,39,82	9	1,39,73	1,74	6,98	..	6,46	15,28
Barur tank	9,02	3	9,05	..	..	..	4	9,09	..	9,09	11	43	..	45	99
Cauvery delta system	8,91,26	1,10,52	10,01,78	..	1,11	..	1,42	10,04,31	..	10,04,31	10,76	42,98	..	50,09	1,03,82
Srivaikuntam anicut system ..	77,74	1,80	79,54	..	..	..	1,11	80,65	..	80,65	94	3,83	..	3,98	8,75
Total ..	57,69,12	6,51,73	62,20,85	1,25,06	17,01	..	35,85	63,98,77	22	63,98,55	72,77	2,91,17	..	3,11,04	6,74,98
Protective Works.															
Rushikulya	87,72	8	37,75	..	6	..	49	38,28	..	38,28	1	4	..	1,89	1,94
Total, Major Works ..	58,06,84	4,51,76	62,58,60	1,25,06	+ 17,05	..	3,634	64,37,05	22	64,36,83	72,78	2,91,21	..	3,12,93	6,76,92
MINOR WORKS AND NAVIGATION.															
Chembrambakam tank	19,97	82	20,79	..	..	..	14	20,93	.. 9	20,93	..	1	..	1,04	1,05
Pálár anicut system	1,41,30	16,03	1,57,33	..	6	..	2,10	1,59,49		1,59,40	6	17	..	7,87	8,08
Pálamdorai anicut system	29,75	18	29,93	..	1	..	10	30,04	..	30,04	..	1	..	1,50	1,51
Madras Water-supply and Irrigation extension project	9,53	45	9,98	..	..	..	10,10	20,08	.. 3	20,08	20	81	..	50	1,51
Lower Coleroon anicut	2,39,40	53,56	2,92,96	..	35	..	67	2,93,98		2,93,95	2	8	..	14,65	14,75
Shatiatope anicut	82,47	14,96	1,04,43	..	21	..	..	1,04,64	..	1,04,64	..	2	..	5,22	5,24
Vriddhachalam anicut	15,09	22	15,31	..	5	..	8	15,44	..	15,44	..	1	..	77	78
Mahmattur do.	12,72	3	12,75	..	1	..	4	12,80	..	12,80	..	..	..	64	64
Tirukkóyilúr do.	31,93	3,27	35,20	..	26	..	11	35,57	..	35,57	1	3	..	1,76	1,80
Cumbam tank	10,83	60	11,43	..	..	..	..	11,43	..	11,43	..	..	..	57	57
Vallur anicut system	3,17	1,02	4,19	..	..	..	2	4,21	..	4,21	..	..	..	21	21
Marudur anicut system	68,05	24	68,89	..	..	..	20	69,09	..	69,09	1	1	..	3,44	3,46
Thadapalli channel	26,80	2,62	29,42	..	..	..	9	29,51	..	29,51	..	1	..	1,47	1,48
Arhenkota do.	8,45	38	8,83	..	..	..	1	8,84	..	8,84	..	..	..	44	44
Kalingarayen channel	20,14	41	20,55	..	..	..	16	20,71	..	20,71	1	1	..	1,03	1,05
Cheyár anicut system	46,31	3,43	49,74	..	..	..	26	50,00	..	50,00	..	2	..	2,49	2,51

Statement showing the Financial results of Irrigation Works in Madras for and up to end of 1895-96—*cont.*

Table III.—Main heads of revenue and working expenses for the year ended 31st March 1896—*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
MAJOR WORKS.	RX.	RX.	RX.	RX.	RX.	RX.	RX.	RX.	RX.	RX.	RX.	RX.
Irrigation Works.												
Gódávari delta system	10,53	42,14	..	52,67	19,80	2,27,28	63,16	1,96	3,45,17	6,19,18	28,43	6,47,61
Kistna do.	14,44	57,77	..	72,21	17,04	3,00,54	59,16	5,03	4,53,96	6,89,96	27,85	7,16,90
Pennér anicut system	81	1,26	..	1,56	1,50	6,09	..	..	9,15	26,42	3,39	29,81
Sangam do.	1,31	5,26	..	6,56	6,68	24,29	— 6	..	37,67	57,43	2,37	59,80
Kurnool-Cuddapah canal	3,32	13,29	..	16,61	8,44	63,91	1,07	10	90,11	1 06,39	3,93	1,09,32
Barur tank	10	38	..	48	38	1,69	..	..	2,55	3,54	14	3,68
Cauvery delta system	— 1,61	— 6,45	..	— 8,06	11,33	— 36,53	— 19	12	— 33,32	70,50	6,39	76,89
Srivaikuntam anicut system ..	66	2,63	..	3,29	— 35	14,66	— 8	..	17,52	26,27	1,13	27,40
Total ..	29,06	1,16,26	..	1,45,32	65,00	6,01,91	1,03,36	7,18	+ 9,22 80	15,97,78	73,63	16,71,41
Protective Works.												
Rushikulya	96	3,81	..	4,77	..	20,77	3,55	1	29,10	31,04	67	31,71
Total, Major Works ..	30,02	1,20,07	..	1,50,09	65,00	6,22,71	1,06,91	7,19	9,51,90	16,28,82	74,30	17,03,12
MINOR WORKS AND NAVIGATION.												
Chembrambakam tank	— 12	— 49	..	— 61	— 1,71	— 94	— 11	..	— 3,37	— 2,38	— 8	— 2,40
Pálár anicut system	1,52	6,09	..	7,61	9,24	27,04	..	..	43,87	51,96	1,09	53,04
Polandorai anicut system	16	65	..	81	— 6	3,66	4	..	4,36	5,86	9	5,95
Madras Water-supply and Irrigation extension project	..	2	..	2	— 2,73	2,81	— 1	..	9	1,60	15	1,75
Lower Coleroon anicut	66	2,63	..	3,29	2,31	12,82	9	..	18,51	33,26	49	33,75
Shatintope anicut	41	1,63	..	2,04	1,36	7,52	..	..	10,92	16,16	29	16,45
Vriddhachalam anicut	21	84	..	1,05	15	4,40	..	..	5,60	6,38	15	6,53
Mohmattur do.	15	61	..	76	99	2,34	..	..	4,09	4,73	12	4,85
Tirukkóyilár do.	68	2,72	..	3,40	3,42	11,38	2	..	18,22	20,04	46	20,50
Cumbum tank	4	13	..	17	2	71	..	..	90	1,47	2	1,49
Vallur anicut system	2	7	..	9	15	25	..	..	49	70	1	71
Marudur anicut system	60	2,41	..	3,01	21	12,86	..	..	16,08	19,54	43	19,97
Thalaipalli channel	13	52	..	65	33	2,05	..	..	3,53	5,01	9	5,10
Arhenkota do.	5	22	..	27	36	87	..	..	1,50	1,94	4	1,98
Kalingarayan channel	14	57	..	71	..	3,36	..	..	4,07	5,12	10	5,22
Cheyár anicut system	1,05	4,19	..	5,24	3,16	19,60	..	..	28,00	30,51	73	31,24

Statement showing the Financial results of Irrigation Works in Madras for and up to end of 1895-96—*cont.*

Table III.—Main heads of revenue and working expenses for the year ended 31st March 1896—*cont.*

Irrigation Works.	Revenue.										Working expenses.				
	Irrigation.			Navigation.	Plantation and land.	Water power.	Miscellaneous.	Total.	Remission of revenue.	Net revenue.	Revenue management.				Total revenue management.
	Water-rate directly paid.	Share of land revenue.	Total.								Establishment charges.				
											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.*	RX.	RX.	RX.	RX.	RX.	RX.	RX.	RX.	RX.	RX.	RX.	RX.	RX.	RX.	RX.
Poiney anicut system	40,94	4,91	45,85	..	..	..	22	46,07	..	46,07	..	2	..	2,29	2,31
Nandyar channel	— 82	2	— 80	..	..	..	..	— 80	..	— 80	..	..	..	— 4	— 4
Ganjám minor rivers system ..	+ 26,14	+ 6,78	+ 32,92	..	..	..	..	+ 32,92	..	+ 32,92	..	..	..	+ 1,65	1,65
Total ..	8,39,77	1,09,93	9,49,70	..	95	..	14,30	9,64,95	12	9,64,83	29	1,21	..	47,50	49,00
NAVIGATION.															
Buckingham canal	..	..	..	1,08,75	1	..	1,62	1,08,38	1	1,08,37	2,17	8,67	..	..	10,84
Chilka Lake canal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ganjám-Gopálpur canal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vélárannyam canal	..	..	..	1,14	..	..	..	1,14	..	1,14	2	9	..	..	11
Total ..	..	..	..	1,07,89	1	..	1,62	1,09,52	1	1,09,51	2,19	8,76	..	..	10,95
Total, Irrigation and Navigation ..	8,39,77	1,02,93	9,49,70	1,07,89	96	..	15,92	10,74,47	13	10,74,34	2,48	9,97	..	47,50	59,95

Statement showing the Financial results of Irrigation Works in Madras for and up to end of 1895-96—*cont.*

Table III.—Main heads of revenue and working expenses for the year ended 31st March 1896—*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.
Poiney anicut system	86	3,46	..	4,32	3,57	15,23	..	..	23,12	25,43	74	26,17
Nandyar channel	1	4	..	5	..	62	..	..	67	63	1	64
Ganjám minor rivers system ..	5	19	..	24	..	1,04	..	..	1,28	+ 2,93	3	+ 2,96
Total ..	6,62	26,50	..	33,12	20,77	1,26,00	8	..	1,81,92	2,30,92	4,98	2,35,90
NAVIGATION.												
Buckingham canal	2,81	11,25	..	14,06	75	61,32	4,83	74	81,70	92,54	3,49	96,03
Chilka Lake canal	1	6	..	7	..	30	..	..	87	87	1	38
Ganjám-Gopalpur canal	..	..	..	..	..	1	..	..	1	1	..	1
Védáranniyam canal	15	62	..	77	..	3,34	..	..	4,11	4,22	13	4,35
Total ..	2,97	11,93	..	14,90	75	64,97	4,83	74	86,19	97,14	3,63	1,00,77
Total, Irrigation and Navigation ..	9,59	38,43	..	48,02	21,52	1,92,97	4,86	74	2,68,11	3,28,06	8,61	3,36,67

24th October 1896.

(Signed) D. C. GORDON,
Exr., P.W. Accounts, Madras.

ORDER—No. 949 I., dated 13th November 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. 950 I., dated 13th November 1896.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineers of Circles.
" the Superintending Engineer, Special Duty, Cauvery Completion Estimates.
" the Examiner, Public Works Accounts.
" the Revenue Department.

ENDORSEMENT—No. 950 I., dated 13th November 1896.

Forwarded.

(By order.)

Joint Secretary to Government,
Irrigation Branch.

Ed. T. K. Narayana Aiyangar.

1895-6
March 1896.

Working Expenses

Maintenance of works.

Establishment charges							
[illegible]	Execution	Medical	Total	Works	Repairs	Tools and Plant	Plan[illegible]
	18	19	20	21	22	23	2
	Rx	Rx	Rx	Rx	Rx	Rx	R
3	4214	"	5267	1980	22728	4346	1
	5777	"	7221	1704	30054	5916	5
	125	"	156	150	609	"	
	525	"	656	688	2429	- 6	
K	1329	"	1661	842	6391	107	
	38	"	48	38	169	"	
	1645	"	- 606	1133	-3652	- 19	
	263	"	329	-35	1466	- 8	
	11626	"	14532	6500	60194	10336	1
	381	"	477	"	2077	355	
	12007	"	15.009	6500	62271	10691	1

1895-6
March 1896.

Working Expenses

Maintenance of works.

Establishment charges			Works	Repairs	Tools and Plant	Plan tion
Execution	Medical	Total				
18	19	20	21	22	23	2
Rs	Rs	Rs	Rs	Rs	Rs	R
4214	"	5267	1980	22728	4346	1
5777	"	7221	1704	30054	5916	5
125	"	156	150	609	"	
525	"	656	688	2429	- 6	
1329	"	1661	842	6391	107	
38	"	48	38	169	"	
1645	"	- 606	1133	-3652	- 19	
- 263	"	329	-35	1466	- 8	
11626	"	14532	6500	60194	10336	1
381	"	477	"	2077	355	
12007	"	15009	6500	62271	10691	1

Sapteru Project	36100	-	14025	2
Kannigeru do	36800	-	2554	14
Total	816.344	-	681.918	722
Navigation				
Buckingham Canal	861400	1837-38	800561	820
Chulka Lake do	3000	-	3024	3
Gangam Gopalpur Canal	43100	-	14310	14
Vedarannyam do.	-	-	-	
Total	907500	-	817895	837
Total Irrigation and Navigation	1723.844	-	1499.813	1566

Note.- This statement includes Kurnool-Cuddapah Canal over this work in 1882-83 was to reduce the per centage of Net Revenue are kept from 14·9 the average of three years immediately preceding the

1895-6
March 1896.

Working Expenses

Maintenance of works.

Establishment-charges				Works	Repairs	Tools and Plant	Plan
	Execution	Medical	Total				
	18	19	20	21	22	23	2
	Rx	Rx	Rx	Rx	Rx	Rx	R
	4214	"	5267	1980	22728	4346	1
	5777	"	7221	1704	30054	5916	5
	125	"	156	150	609	"	
	525	"	656	688	2429	- 6	
	1329	"	1661	842	6391	107	
	38	"	48	38	169	"	
	~~1645~~ 1645	"	- 606	1133	-3652	- 19	
	- 263	"	329	-35	1466	- 8	
	11626	"	14532	6500	60194	10336	1
	381	"	477	"	2077	355	
	12007	"	15009	6500	62271	10691	1

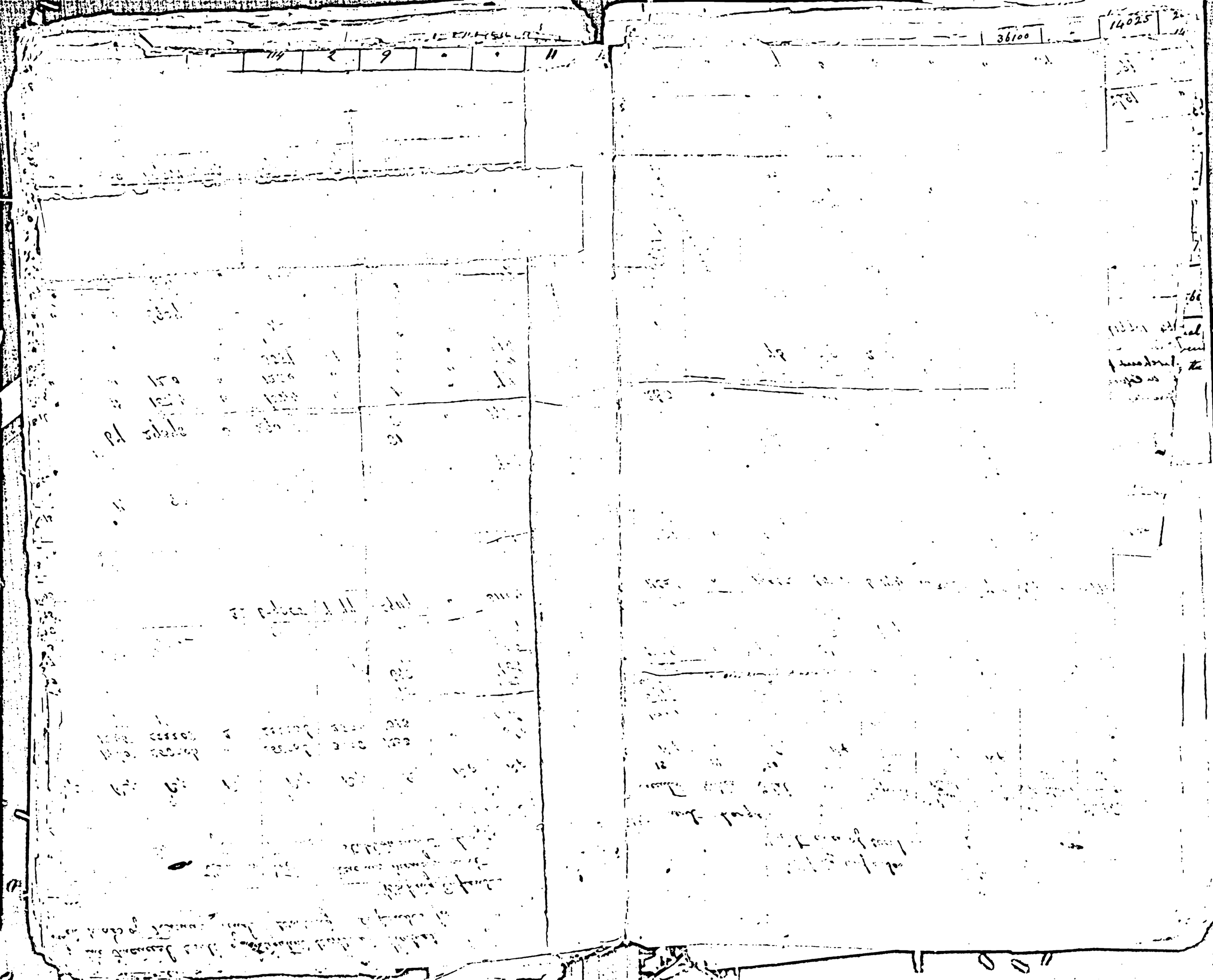
Carried forward

Examined & Passed for Payment

Executive Engineer

1895-6
March 1896.

Working Expenses							
Maintenance of works.							
Establishment charges							
Line	Execution	Medical	Total	Works	Repairs	Tools and Plant	Plan tion
	18	19	20	21	22	23	2
	Rx	Rx	Rx	Rx	Rx	Rx	R
			5267	1980	22728	4346	1
3	4214	"	7221	1704	30054	5916	5
	5777	"	156	150	609	"	
	125	"	656	688	2429	- 6	
	525	"	1661	842	6391	107	
2	1329	"	48	38	169	"	
	38	"	606	1133	3652	- 19	
	1645	"	329	35	1466	- 8	
	263	"					
	11626	"	14532	6500	60194	10336	1
	381	"	477	"	2077	355	
	12007	"	15009	6500	62271	10691	1
				171			
	49	"	61	44	94	11	
	609	"	761	924	2702	"	
	65	"	81	6	356	4	
	2	"	2	273	281	1	
	263	"	329	231	1282	9	
	163	"	204	126	752	"	
	84	"	105	15	440	"	
	61	"	76	99	234	"	
	272	"	340	342	1138	2	
	13	"	17	2	71	"	
	7	"	9	15	25	"	
	241	"					



; the Financial results of Irrigation Works in Madras for and up to end
in heads of Revenue and Working Expenses for the year ended 31st

ue					Working Expenses					
les	Miscel-laneous	Total	Remission of Revenue	Net Revenue	Revenue Management Establishment charges				Total Revenue Manage-ment	Ex
					Direction	Execution	Navigation	Civil Officers		Direct
	8	9	10	11	12	13	14	15	16	17
Rx	Rx	Rx	Rp	Rx	Rx	Rp	Rp	Rp	Rx	R
	1460	258206	"	258206	3008	12033	"	12360	27401	105
	1245	222208	2	222206	2534	10137	"	10839	23510	144
	71	16862	"	16862	178	716	"	839	1727	3
	55	19214	11	19203	203	815	"	958	1976	131
	487	13982	9	13973	174	698	"	656	1528	33
	4	909	"	909	11	43	"	45	99	
	142	100431	"	100431	1075	4298	"	5009	10382	-16
	111	8065	"	8065	94	383	"	398	876	6
	3585	639877	22	639855	7277	29117	"	31104	67498	290
	49	3828	"	3828	1	4	"	189	194	9
	3634	643705	22	643683	7278	29121	"	31293	67692	300
	14	2093	"	2093	"	1	"	104	105	-12
	210	15949	9	15940	4	17	"	787	808	152
	10	3004	"	3004	"	1	"	150	151	16
	1010	2008	"	2008	20	81	"	50	151	"
	67	29398	3	29395	2	8	"	1465	1475	66
	"	10464	"	10464	"	"	"	322	324	4
	8	1544	"	1544	"	1	"	77	78	21
	4	1280	"	1280	"	"	"	64	64	15
	11	3557	"	3557	1	3	"	176	180	68
	"	1143	"	1143	"	"	"	57	57	4
	2	421	"	421	"	"	"	21	21	2
	20	6909	"	6909	1	1	"	344	346	60
	9	2957	"	2957	"	"	"	147	148	13
	1	884	"	884	"	"	"	44	44	5
	16	2071	"	2071	1	1	"	103	105	14
	26	5000	"	5000	"	2	"	249	251	105
	22	4607	"	4607	"	2	"	229	231	86
	"	-80	"	-80	"	"	"	-4	-4	1
	"	+32392	"	+32392	"	"	"	+165	+165	
	"	64646	"	64646	"	"	"	3232	3232	5
	1430	157849	12	157837	29	121	"	7817	7967	663
		96495		96483				4750	4900	
	162	10838	1	10837	217	867	"	"	1084	281
	"	"	"	"	"	"	"	"	"	"
	"	"	"	"	"	"	"	"	"	"

: the Financial ... 1t ... 10d ... to ... 1 ... 18 ... 1 ... to end

w Works in Madras for and up to end of 1895-96

undertakings to 31st March 1896.

Outlay		Excess of interest over net Revenue last years	Total annual charge at end of 1895-96	Interest at 4 per cent on Total sum at charge at end of 1895-96	Surplus for the year of net Revenue over interest on total annual charge	Excess for the year of interest on total sum at charge over net revenue	Capitalized value at 16 per Cent of net revenue under charges for interest	Deficiency amount to credit in excess of total annual charge	Excess annual charge over Capitalized value of net revenue	to end ded 31st	tal nue nage nt.	Est Direct
Under-heat charges to end of year	Total Capital outlay both direct and indirect to end of year											
6	7	8	9	10	11	12	13	14	15			
Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx	Rx			
											101	105
											70	144
189827	1283033	-279639	-17	[illegible]	261791	-	4836125	6544731	-		-	3
80458	1218140	-155615	-332475	-13299	163815	-	3762900	4095375	-		6	131
24901	189973	- 39489	99484	3979	9902	-	347025	247541	-		-	33
69520	381042	62523	444665	17783	-	4560	320675	-	113990		-	
188	2170055	1162945	3333000	133320	-	130279	76025	-	2256975		-	-16
2283	42346	13434	55780	2231	-	1690	13525	-	42255		-	6
12421	181149	-202760	-184611	-73840	166582	-	2318550	4164561	-		8	290
10095	146280	- 4862	141418	5657	-	332	133125	-	8293			
21559	830064	97328	927392	37095	-	37095	-	-	927392		4	9
411259	6441082	-532658	1114497	44580	428134	-	11817850	10703353	-		2	300
35794	426509	66285	492794	19712	-	19055	16425	-	476369		-	-12
												152
447053	6867591	-5260300	1607291	64292	409079	-	11834275	10216984	-			16
												66
11236	74404	1306	75710	3028	-	695	58325	-	17385			4
10405	205599	79643	285242	11410	-	774	265900	-	19342			21
4155	45393	56329	100722	4029	-	1620	60225	-	40497			15
23822	175405	164907	340312	13612	-	11779	45825	-	294457			68
								1359178	-			4
1513	61253	-769931	-708678	-28347	54367	[illegible]	650500	650600	1359478			2
346	13758	-172277	-158519	- 6341	15180	-	220475	378994	-			60
127	4974	- 11483	- 6509	- 260	1151	-	22275	28784	-			13
181	7104	2825	9929	397	- 398	-	19875	9946	-			51
652	25447	- 8452	16995	680	827	-	87675	20680	-			14
												105
158	6227	- 6096	131	5	909	-	24850	24719	-			86
163	6381	3982	10363	414	-	64	8750	-	1613			1
111	4355	-113716	-109361	-4374	9286	-	122800	232161	-			5
596	11157	- 31452	- 20295	- 811	3252	-	61025	81320	-			66
262	10296	12598	22887	915	-	229	17150	-	5739			
154	6028	16642	22670	907	642	-	38725	16055	-			
1030	40015	2018	42025	1681	195	-	46900	4875	-			
607	22177	-36134	-12957	- 517	2507	-	49750	62707	-			28
208	5025	-	5025	201	-	345	- 3600	-	8625			
					2996		74900	74900				
					[illegible]	-	[illegible]	[illegible]	-			

CHIEF ENGINEER FOR IRRIGATION 20 OCT. 96

Statement showing the financial results for Irriga

Table II - General financial results of the several

Irrigation Works	Estimated cost of Construction exclusive of all indirect charges	Date of Completion of work	Capital Direct Charges to end of previous year	Capital Direct Charges to end of year	State...
1	2	3	4	6	
	Rx		Rx	Rx	
Major Works.					
Irrigation Works.					
Godavari Delta System	1137814	1846-47	1091869	10932	
Kistna do	1341978	1855-56	1083385	11376	
Pennar Anicut do	166549	1860-61	163744	1640	
Sangam do	341395	1884-85	309795	3115	
Kurnool Cuddapah Canal	2171029	1882-83	2169371	2169	
Bavur Tank	41507	1887-88	39698	400	
Cauvery Delta System	175933	1836-37	166074	1687	
Sprvaikumtham Anicut System	137619	1870-71	136012	1361	
Periyar Works.	856518	"	735604	8085	
Total	6420342	—	5895552	6029	
Protective Works.					
Rushikulya Works.	436800	1891-92	368068	3907	
Total Major Works.	6857142	—	6263620	6420	+
Minor Works and Navigation					
Chembrambakam Tank	66392	1870-71	63168	63	
Palar Anicut System	200679	1858-54	198531	195	
Pelandoray Anicut System	50664	1875-76	41238	413	
Madras Water supply and Irrigation Extension Project	158100	1870-71	157583	151	
Lower Coleroon Anicut	91571	1848-49	55926	59	
Shatiatope Anicut	13815	1847-48	13262	13	
Vridhachalam Anicut	4847	1868-69	4847	4	
Mehnathier Anicut	6923	1872-73	6923	6	
Thirukoiylur Anicut	24414	1861-62	24793	24	
Cumbum Tank	6140	1876-77	5397	6	
Vallur Anicut System	6218	1872-73	6218	6	
Marudur do	4369	1872-73	4009	4	
Thadapalli channel	12239	1854-55	9117	10	
Arkeresta Channel	10685	1859-60	10034	10	
Kalingarayan channel	5863	1854-55	5874	—	
Cherjar Anicut System	39525	1852-53	37512	38	
Poney do	22995	1855-56	22575	22	
Pandyar Channel	5266	1890-96	"	4	
Gayam Minor Rivers Systems	"	1852-53	"		
Kamaraja Lake Canal	12719	"	"	0332	
Gudiam-Gopalpur Canal	"	"	"	10675	

CHIEF ENGINEER FOR IRRIGATION
26 DEC 96
No.

KEEP

dated

Statement
Table

Irrigation Work.	Irrigation			Navigation	Plantain and Land
	Water rate directly paid	Share of Land Revenue	Total		
	2	3	4	5	6
	Rx	Rx	Rx	Rx	Rx
Major Works.					
Irrigation Works.					
Godaveri Delta System	232346	14862	247208	8704	834
Kistna Do	202129	14650	216779	3672	572
Pennar Ancient Do	14685	2106	16791	"	"
Sangam Do	16869	2290	19159	"	"
Kurnool-Cuddapah Canal	13081	30	13111	130	245
Barur Tank	902	3	905	"	"
Cauvery Delta System	89126	11052	101178	"	111
Srivaikuntheum Ancient System	7774	180	7954	"	"
Total	576912	45173	622085	12506	1701
Protective Works.					
Rushikulya	3772	3	3775	"	4
Total Major Works	580684	45176	625860	12506	+1705
Minor Works and Navigation					
Celembrambakam Tank	1997	82	2079	"	"
Palar Ancient System.	14130	1603	15733	"	6
Pelandoraí Ancient System	2975	18	2993	"	1
Madras Water Supply & Irrigation Extension Project.	953	45	998	"	"
Lower Coleroon Ancient	23940	5356	29296	"	35
Shatiatope Ancient	8947	1496	10443	"	21
Vriddhachalam ancient	1509	22	1531	"	5
Mehniathur ancient	1272	3	1275	"	1
Tirukkoyilu ancient	3193	327	3520	"	26
Cumbum Tank	1083	60	1143	"	"
Vallar Ancient System	317	102	419	"	"
Marudur ancient System	6865	24	6889	"	"
Kadapalli Channel	2680	262	2942	"	"
Arkenkota Channel	845	38	883	"	"
Kalingarayan Channel	2014	41	2055	"	"
Cheyar Ancient System	4631	343	4974	"	"
Poiney Ancient System	4094	491	4585	"	"
Nandiyar Channel	-82	2	-80	"	"
Ganjam Minor Rivers System	4788	2084	64646	"	"
Total	125748	31176	156324	"	
	83977	10993	94970		
Navigation					
Buckingham Canal	"	"	"	10675	"
Chilka Lake Canal	"	"	"	"	"
Ganjam-Gopalpur Canal	"	"	"	"	"

CHIEF ENGR. FOR IRRIGA... 96

E. No. 27.
1,000—9-12-96.

KEEP-WITH | CURRENT No. | GOVT. OF MADRAS. } 1896. { P. W. DEPT.

dated 189 .

EXAMINER, P. W. ACCOUNTS,

Madras, 24 October 1896.

OFFICE NOTE No. 3173 E2/95.

To R 222

E.I.

Herewith the statements of financial results of Irrigation and Navigation works for 1895-96 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 for want of information in this office.

C.

3
24/10

Public works (1956) department

Current No: 9992

No. 359 of 14-1-57 ✓

Limbs 3
Accn: 5.11.56

[P.W. 23.
2,000—25-10-56.]

16/11

26/11