

8872

Public Works (1896.) Department.

G.O., No. 843-44

DATED 20th October 1896

[Despatch Abstract.]

Irrigation Cess Dues. Pro: Rev: Dept requesting that
the Accountant General be directed in the Annual
Dept to place at the disposal of the P.W.D. a sum of
Rs. 710 from the Surplus balance of the - remaining
ing to the Credit of the Marudur Natta Vokkal,
Trichinopoly Dist, Comd to S.E. VI Circle.

T.C. 22/10
W/10

Statement showing the principal items on which expenditure will have to be incurred after 31st March 1893 in completing Delta works, II Circle—cont.

No.	Proceedings of the Madras Government or other authority.	Main and sub head.	Mileage.	Names of works.	EXPENDITURE.				Increase.	Decrease.	Remarks.
					Amount of sanctioned estimate.	Expenditure incurred to end of 1892-93.	Further expenditure.	Total.			
1	2	3	4	5	6	7	8	9	10	11	12
KISTNA EASTERN SECTION—cont.											
Masulipatam canal—cont.											
18	No. 856 I. of 17th Oct. 1892	(3) C.	..	Medur tail escape	150	..	150	150	..	..	..
19	No. 573 I. of 29th June 1893	..	..	Head sluice to Kistnapatam branch	350	..	350	350	..	..	..
20	No. 856 I. of 17th Oct. 1892	..	..	Field masonry sluice	100	..	100	100	..	..	..
21	No. 573 I. of 29th June 1893	..	..	Road culvert at 2 miles 5 furlongs across Midamole road.	550	..	550	550	..	..	..
22	No. 856 I. of 17th Oct. 1892	..	..	Tail escape	100	..	100	100	..	..	..
23	No. 573 I. of 29th June 1893	..	..	Head sluice to Gudupad branch	380	..	380	380	..	..	..
24	No. 856 I. of 17th Oct. 1892	..	..	Tail escape to do.	100	..	100	100	..	..	..
25	No. 765 I. of 2nd Sept. 1893	..	22 0	Surplus weir	4,300	..	4,300	4,300	..	..	..
26	No. 856 I. of 17th Oct. 1892	(3) L.	..	Distributaries of west side channel	16,760	273	16,487	16,760	..	..	Lump sum.
27	Do.	..	22 0	Medur channel	18,000	..	18,000	18,000	..	..	..
28	Do.	..	..	Kistnapatam branch of Medur channel	5,850	..	5,850	5,850	..	..	..
29	Do.	..	..	Gudupad branch of Medur channel	3,180	..	3,180	3,180	..	..	..
30	Appendix D printed in G.O., No. 181 I. of 28th Feb. 1892.	(3) O.	..	Total	28,790	..	28,790	28,790	..	..	Lump sum.
31	No. 313 I. of 11th April 1893	(2) B.	..	Compensation for land required for depositing silt	145	..	145	145	..	..	..
32	Do.	..	..	Do.	3,650	..	3,650	3,650	..	..	..
33	Do.	(2) L.	..	Widening from Panaru to Covvaram	145	..	145	145	..	..	..
34	No. 455 I. of 3rd May 1894	(2) O.	..	Other cattle-crossings	2,745	..	2,745	2,745	..	..	Lump sum.
35	Superintending Engineer's No. 2185 K.S. of 8th Dec. 1891.	..	..	Mile and furlong stones along the Pulleru canal	160	80	80	160	..	..	..
Pulleru canal.											
Total (3) Distributaries											
Total, Masulipatam canal											
Total											

11TH OCTOBER 1893, No. 857 I., PUBLIC WORKS.											
36	No. 563 I. of 16th July 1891	..	..	Demarcation stones along Upper Pulleru	200	80	120	200	..	..	..
37	Para. 80 of the note printed in No. 3528 of 26th Dec. 1876.	(3) B.	..	Total	3,105	160	2,945	3,105	..	..	..
38	Do.	..	..	Kalidindicodu	6,755	305	28,595	28,900	22,145	..	Lump sum.
39	No. 632 I. of 8th July 1884	..	..	Pedatammidi channel	460	..	460	460	..	..	..
40	Superintending Engineer's No. 2624 K.S. of 16th Mar. 1889.	..	..	Bantunilli south side channel	1,100	..	1,100	1,100	..	..	..
41	Superintending Engineer's No. 830 K.S. of 2nd July 1890.	..	..	Proposed head of Sayaruru Lunkacode	277	..	277	277	..	..	Do.
42	Superintending Engineer's No. 2989 K.S. of 9th Mar. 1892.	..	..	Yedlacodu extension	215	21	194	215	..	..	..
43	Superintending Engineer's No. 1045 K.S. of 5th Aug. 1892.	..	..	Right side channel of Motur channel from 2 miles 63 chains	340	60	280	340	..	..	..
44	No. 691 I. of 30th July 1884	..	..	Right side channel of Motur channel from No. 5 or Sin-ganapudi head sluice	107	..	107	107	..	..	..
45	No. 291 I. of 26th Mar. 1891	..	..	Channels in the 5th sub-section for which estimates have not yet been prepared	8,015	..	8,015	8,015	..	..	..
46	No. 845 I. of 14th Oct. 1892	..	..	Left side channel of Kalidindicodu	1,400	441	959	1,400	..	..	..
47	No. 824 I. of 22nd Sept. 1893	..	..	Right side channel of Gudivada channel	103	..	103	103	..	..	..
48	No. 3170 K.S. of 22nd Mar. 1893.	..	..	Excavating Venneiacodu	240	..	240	240	..	..	..
49	No. 587 I. of 4th July 1893	..	..	Head to Kanur Subbiacode and Chevandra channel	32	..	32	32	..	..	..
50	No. 601 I. of 8th July 1893	..	..	Chintalacodu extension	537	..	537	537	..	..	..
51	No. 845 I. of 14th Oct. 1892	(3) C.	..	Left side channel of Gudivada channel	241	..	241	241	..	..	..
52	No. 455 I. of 3rd May 1884	..	..	Total	15,147	1,591	13,556	15,147	..	..	..
53	Do.	..	..	Sluice to right side channel of Gudivada channel	436	332	104	436	..	..	..
54	Do.	..	..	Panaru channel, Pengandra branch, one head sluice and one drop	500	..	500	500	..	..	..
55	No. 573 I. of 29th June 1892	..	..	Do.	223	..	223	223	..	..	..
56	Superintending Engineer's No. 2322 K.S. of 31st March 1892.	..	..	Do. Komaryole branch head sluice	150	..	150	150	..	..	..
57	Para. 80 of the note printed with G.O., No. 3528 of 22nd Dec. 1876.	..	..	Regulator in Palacodu for Pengandra branch No. 1	210	..	210	210	..	..	..
58	Superintending Engineer's No. 1961 K.S. of 7th Nov. 1892.	..	..	Head sluice to old Palacodu in left bank, Motur channel.	546	..	546	546	..	..	..
59	Superintending Engineer's No. 2502 K.S. of 19th Jan. 1893.	..	..	Fifteen minor sluices	5,250	..	5,250	5,250	..	..	..
60	Superintending Engineer's No. 1968 K.S. of 8th Nov. 1892.	..	..	Combined head sluice to Chevandra channel and Kanur Subbiacodu	600	82	518	600	..	..	..
61	Do.	..	..	Bridges at 3rd mile of Deggumilli crossing	900	90	810	900	..	..	..
62	Do.	..	..	Head sluice to Golinepalli channel on the right bank of Gudivada channel at 2 miles 62 chains, on the left bank of Gudivada channel at 4 miles 35 chains	480	472	8	480	..	..	..
63	Do.	..	..	Do.	490	..	490	490	..	..	..
64	Do.	..	..	Do.	490	..	490	490	..	..	..
65	Do.	..	..	Do.	565	214	351	565	..	..	..

Satement showing the principal items on which expenditure will have to be incurred after 31st March 1893 in completing Delta works, II Circle—cont.

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11TH OCTOBER 1893, No. 857 I., PUBLIC WORKS.

No.	Proceedings of the Madras Government or other authority.	Main and sub head.	Mileage.	Names of works.	Amount of sanctioned estimate.	EXPENDITURE.			Increase.	Decrease.	Remarks.
						Expendi- ture incurred to end of 1892-93.	Further expendi- ture.	Total			
1	2	3	4	5	6	7	8	9	10	11	12
			M. CH.	KISTNA EASTERN SECTION—cont. Fulleru canal—cont.	RS.	RS.	RS.	RS.	RS.	RS.	
64	No. 449 I. of 17th May 1993	(3) C.	..	Head sluice to Diwan Sahibodu at 6 miles 3 furlongs of Butlerodu	400	..	400	400	..	..	
65	Do.	..	..	Head sluice to Venavaram channel at 6 miles 4 furlongs of Butlerodu	500	..	500	500	..	..	
66	* No. 691 I. of 30th July 1884	..	..	Masonry works on distributaries for which detailed estimates have not been prepared	33,763	574	33,189	33,763	..	..	Lump sum.
67	No. 587 I. of 4th July 1893	..	..	Culvert on Kankipad road over Chintalacodu	510	..	510	510	..	..	
68	No. 824 I. of 22nd Sept. 1893	..	..	Head sluice to Vennelacodu	470	..	470	470	..	..	
69	No. 291 I. of 25th May 1891	(3) L.	..	Total	46,583	1,764	44,819	46,583	..	..	
70	Superintending Engineer's No. 2989 K.S. of 9th March 1892.	..	..	Kalidindicodu left side channel	2,500	2,012	488	2,500	..	..	
71	Superintending Engineer's No. 1145 K.S. of 9th Aug. 1892.	..	..	Right side channel of Motur channel from 2 miles 63 chains from sluice No. 5.	520	15	505	520	..	..	
72	No. 845 I. of 14th Oct. 1892	..	..	Do.	211	..	211	211	..	..	
73	No. 601 I. of 8th July 1893	..	..	Right side channel of Gudivada channel	361	..	361	361	..	..	
74	No. 573 I. of 29th June 1892	..	..	Left side channel of do.	325	..	325	325	..	..	
75	No. 824 I. of 22nd Sept. 1893	..	..	Extending the Penjandra branch No. 1	450	..	450	450	..	..	
76	* No. 691 I. of 30th July 1884	..	..	Excavating Vennelacodu	430	..	430	430	..	..	
77	No. 225 I. of 13th March 1893	..	..	Distributaries	71,927	..	71,927	71,927	..	..	Lump sum.
78	No. 587 I. of 4th July 1893	..	..	Improving the Butlerodu	1,670	..	1,670	1,670	..	..	
			..	Do. the Chintalacodu	1,320	..	1,320	1,320	..	..	
			..	Total	79,714	2,027	77,687	79,714	..	..	
79	No. 311 I. of 26th Mar. 1885 and No. 591 I. of 29th Nov. 1889.	(3) O.	..	Ankanagudem ramp	625	445	180	625	..	..	
80	Do.	..	..	Anamanapadi do.	585	..	585	585	..	..	
81	Do.	..	..	Rudrapaka do.	562	..	562	562	..	..	
82	No. 455 I. of 3rd May 1884	..	..	Panarru cattle crossing	500	..	500	500	..	..	
83	Do.	..	..	Palacodu	185	..	185	185	..	..	
84	No. 463 I. of 16th July 1891	..	..	Demarcation stones along Motur channel	770	5	765	770	..	..	
85	Superintending Engineer's No. 2989 K.S. of 29th March 1892.	..	..	Do. to right side channel to Motur channel.	20	..	20	20	..	..	
86	No. 824 I. of 22nd Sept. 1893	..	..	Fixing demarcation stones along Vennelacodu	10	..	10	10	..	..	
87	No. 1472 K.S. of 23rd Sept. 1891.	..	..	Do. along Bantumilli canal, south side channel	80	..	80	80	..	..	

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88	No. 291 I. of 25th March 1891			Fixing demarcation stones along Kalidindicodu left side channel	170	39	131	170				
89	Superintending Engineer's No. 2777 K.S. of 6th Feb. 1891.			Ramp at Pedapalaparru	420	362	58	420				
90	No. 2576 K.S. of 26th Jan. 1893.			Demarcation stones to side channel along Bantumilli canal, south side channel	40	4	36	40				
91	No. 587 I. of 4th July 1893			Demarcation stones along Chintalacodu	73		73	73				
92	No. 601 I. of 8th July 1893			Do. left side channel of Gudivada channel	14		14	14				
				Total	4,054	855	3,199	4,054				
				Total (3) Distributaries	1,45,498	6,237	1,39,261	1,45,498				
				Total, Fulleru canal.	1,52,253	6,542	1,67,856	1,74,398				
93	No. 709 I. of 23rd Aug. 1892	(2) K.		Lock lascars' sheds	810	344	466	810				
				Total, Panarru junction canal	810	344	466	810				
94	No. 363 I. of 25th April 1893			Single lock lascars' shed at Vinjeram	330		330	330				
95	Superintending Engineer's No. 2953 K.S. of 7th March 1892.	(2) O.		Demarcation stones from Mudinepalli bridge	300		300	300				
				Total (2) Main canals and branches	630		630	630				
96	No. 313 I. of 2nd July 1889	(3) B.		Peddakommilera south side channel	2,014	1,513	501	2,014				
97	No. 476 I. of 20th May 1892			Kykatu channel (loss of crop)	3,000	2,999	1	3,000				
98	No. 984 I. of 19th Dec. 1 91			Branch No. 1 of Peddakommilera south side channel	4,390		4,390	4,390				
99	Superintending Engineer's No. 3123 K.S. of 11th March 1891.			Kallapallem side channel	550		550	550				
100	No. 531 I. of 1st July 1891			Korlapad side channel	610		610	610				
101	Superintending Engineer's No. 2909 K.S. of 25th Feb. 1893.			Korlapad side channel	278		278	278				
102	No. 635 I. of 19th July 1893			Branch No. II, Peddakommilera south side channel	231		231	231				
103	....			Compensation for Chigurukota channel		49	49	49				
				Total	11,073	4,561	6,561	11,122				
104	No. 313 I. of 2nd July 1889	(3) C.		Sluice to left bank at 10 miles 1,188 feet	335	42	293	335				
105	Do.			Do. to right bank at 10 miles 1,320 feet	337	20	317	337				
106	No. 606 I. of 11th July			Three earthenware pipe sluices at right bank	300		300	300				
107	No. 531 I. of 1st July 1891			Head sluice to Korlapad channel	1,000	787	213	1,000				
108	No. 313 I. of 2nd July 1889 and Superintending Engineer's No. 2871 K.S. of 13th Feb. 1891.			Seven minor sluices	360		360	360				
109	Superintending Engineer's No. 2762 K.S. of 13th Feb. 1893.			Peddakommilera north side channel, right bank sluice, at 0 mile 3,000 feet	80		80	80				
110	Do.			Do. 1 " 720 "	80		80	80				
111	Do.			Do. 3 " 1,660 "	80		80	80				
112	Do.			Do. 4 " 3,980 "	80		80	80				
113	Do.			Do. 6 " 950 "	174		174	174				

Lump sum.

Statement showing the principal items on which expenditure will have to be incurred after 31st March 1893 in completing Delta works, II Circle—cont.

No.	Proceedings of the Madras Government or other authority.	Main and sub head.	Mileage.	Names of works.	EXPENDITURE.					Increase.	Decrease.	Remarks.
					Amount of sanctioned estimate.	Expenditure incurred to end of 1892-93.	Further expenditure.	Total.				
1	2	3	4	5	6	7	8	9	10	11	12	
KISTNA EASTERN SECTION—cont.												
Potraz canal—cont.												
114	Superintending Engineer's No. 2762 K.S. of 13th Feb. 1893	..	..	Peddakommleru north side channel, right bank sluice, at 7 miles 1,965 feet	188	..	188	188	..	..	..	
115	Do. do. do.	..	..	Do. do. do.	89	..	89	89	..	..	..	
116	Do. do. do.	..	..	Do. do. do.	89	..	89	89	..	..	..	
117	Do. do. do.	..	..	Lingula channel head sluice	..	..	900	900	..	..	..	
118	Do. do. do.	..	..	Do. aqueduct	..	..	1,200	1,200	900	..	..	
119	No. 635 I. of 19th July 1893	..	..	Head sluice to Peddakommleru, branch No. II	480	..	480	480	1,200	..	..	
120	Do. do. do.	..	..	No. 1 sluice at 0 mile 4,620 feet of do.	100	..	100	100	..	..	..	
121	Do. do. do.	..	..	" 2 do. at 1 " 3,300 " do.	180	..	180	180	..	..	..	
122	Do. do. do.	..	..	" 3 do. at 2 miles 1,900 " do.	180	..	180	180	..	..	..	
123	Do. do. do.	..	..	Under-tunnel at the head at 0 miles 3,960 feet	170	..	170	170	..	..	..	
124	No. 247 I. of 10th Mar. 1885	..	..	Head sluice to Rudravaram channel	310	..	310	310	..	..	..	
125	....	..	..	Kykalur road side channel head sluice	..	..	490	490	..	..	..	
Total					4,552	849	6,293	7,142	2,590	..	..	
126	No. 313 I. of 2nd July 1889	(3) L.	..	Ten minor distributaries	4,212	..	4,212	4,212	..	..	..	
127	No. 328 K.S. of 26th Mar. 1891	..	..	Chevrucodu	2,300	1,764	536	2,300	..	..	..	
128	No. 561 I. of 1st July 1891	..	..	Korlapad channel	1,680	1,235	445	1,680	..	..	..	
129	No. 2909 K.S. of 25th Feb. 1893	..	..	Lingula side channel	260	..	260	260	..	..	..	
130	No. 635 I. of 19th July 1893	..	..	Peddakommleru, branch No. II	1,950	..	2,000	2,000	2,000	..	..	
131	....	..	..	Extending and improving Kykalur channel	..	..	1,950	1,950	..	..	..	
132	....	..	..	Peddakommleru south side channel	..	..	3,600	3,600	3,600	..	..	
133	....	..	..	Do.	..	..	1,630	1,630	1,630	..	..	
134	....	..	..	Rudravaram channel, extending and improving	..	..	4,000	4,000	4,000	..	..	
135	....	..	..	Kykalur road side channel	..	..	360	360	360	..	..	
Total					10,402	2,999	18,993	21,992	11,590	..	..	
136	Superintending Engineer's No. 3124 K.S. of 11th Mar. 1891	(3) O.	19	Demarcation stones along Kallapalem side channel	80	14	66	80	..	..	..	
137	No. 531 I. of 1st July 1891	..	12	Do. Korlapad channel	60	10	50	60	..	..	..	
138	No. 984 I. of 19th Dec. 1891	..	3	Do. branch No. 1, Peddakommleru south side channel	260	43	217	260	..	..	..	
139	No. 313 I. of 2nd July 1889	..	..	Cattle ramps at 5 miles 1,122 feet	272	..	272	272	..	..	..	
140	Do. do.	..	..	Do. on Peddakommleru south side channel	464	338	136	464	..	..	..	

Lamp sum.

141	Do. do. do.	..	..	Do. do. do. north side channel	387	224	163	387	..	..	..
142	Superintending Engineer's No. 3286 K.S. of 26th Mar. 1891	..	..	Do. do. do.	200	50	150	200	..	..	..
143	Superintending Engineer's No. 2909 K.S. of 25th Feb. 1893	..	..	Do. Korlapad side channel	22	..	22	22	..	..	..
144	No. 635 I. of 19th July 1893	..	..	Demarcation stones along Peddakommleru south side channel, branch No. II	59	..	59	59	..	..	..
145	Para. 77 of the note printed in G.O. No. 3528 of 22nd Dec. 1875.	(4) B.	..	Total	1,804	679	1,125	1,804	..	..	..
146	Superintending Engineer's No. 861 K.S. of 2nd July 1890.	..	..	Upputeru ..	27,831	9,088	32,972	42,060	14,229	..	..
147	Do. do. do.	..	..	Compensation for ring channel through Kottada weir	150	..	150	150	..	..	..
148	Do. do. do.	(4) L.	..	Embanking Upputeru	35	..	35	35	..	..	..
149	No. 30 I. of 13th Jan. 1883	..	..	Do. do. do.	185	..	185	185	..	..	..
150	No. 710 I. of 4th Dec. 1890	(2) B.	..	Total (4) Drainage and protective works	2,710	..	2,710	2,710	..	..	..
151	No. 710 I. of 4th Dec. 1890 and No. 411 I. of 6th May 1893.	(2) I.	..	Total, Potraz canal	3,505	..	3,505	3,505	..	..	..
152	Do. do. do.	..	..	Compensation for land—old claims	3,690	..	3,690	3,690	..	..	..
153	No. 30 I. of 13th Jan. 1883	(2) K.	..	Compensation for Bantumulil canal extension to Upputeru.	32,151	9,088	37,292	46,380	14,229	..	..
154	No. 363 I. of 26th April 1893	..	..	Tidal lock near Lakshimpuram	30	..	30	30	..	..	..
155	No. 710 I. of 4th Dec. 1890	(2) L.	..	Lock weir near Lakshimpuram	6,200	441	5,759	6,200	..	..	..
156	No. 30 I. of 13th Jan. 1883	..	..	Chandrakut rest-house	6,230	441	5,789	6,230	..	..	..
157	No. 349 I. of 1st April 1885 and No. 710 I. of 4th Dec. 1890	..	..	Single lock lascar's shed at Kamalapuram	31,000	25,342	5,658	31,000	..	..	..
158	....	..	..	Canal extension	4,910	4,641	269	4,910	..	..	..
159	....	..	..	Widening and deepening	35,910	29,983	5,927	35,910	..	..	..
160	....	..	..	Widening from Cowtaram to Kamalapuram	1,300	..	1,300	1,300	..	..	..
161	....	..	..	Total	310	..	310	310	..	..	..
162	....	..	..	Canal extension	1,610	..	1,610	1,610	..	..	..
163	....	..	..	Widening and deepening	46,980	43,673	3,307	46,980	..	..	..
164	....	..	..	Total	15,300	10,278	5,022	15,300	..	..	..
165	....	..	..	Widening from Cowtaram to Kamalapuram	..	..	3,550	3,550	3,550	..	..
166	....	..	..	Total	62,280	53,951	11,879	65,830	3,550	..	..
167	....	..	..	Total	..	..	..	..	..	..	..

Lamp sum.

Statement showing the principal items on which expenditure will have to be incurred after 31st March 1893 in completing Delta works, II Circle—cont.

No.	Proceedings of the Madras Government or other authority.	Main and sub head.	Mileage.	Names of works.	Amount of sanctioned estimate.	EXPENDITURE.				Increase.	Decrease.	Remarks.
						Expenditure incurred to end of 1892-93.	Further expenditure.	Total.				
1	2	3	4	5	6	7	8	9	10	11	12	
KISTNA EASTERN SECTION—cont.												
Bantumulli canal—cont.												
158	No. 30 I. of 13th Jan. 1883	(2) C.		Covetram ramp	280	..	280	280	..	..	Lump sums.	
159	Do.	..	..	Dargumilli do.	300	..	300	300	..	..		
160	Do.	..	..	Cherundra do.	420	..	420	420	..	..		
161	Do.	..	..	Nallagunta do.	290	..	290	290	..	..		
162	Do.	..	..	Satula do.	190	..	190	190	..	..		
163	Do.	..	..	Amudalapalli do.	360	..	360	360	..	..		
164	Do.	..	..	Crattivenu do.	345	..	345	345	..	..		
165	Do.	..	..	Chendrala do.	590	..	590	590	..	..		
166	Do.	..	..	Demarcation stones along canal extension	515	..	515	515	..	..		
167	No. 710 I. of 4th Dec. 1890	..	..	Total	480	108	372	480	..	..		
Total					3,710	108	3,602	3,710	..	..		
Total (2) Main canals and branches					1,09,740	84,483	28,807	1,13,290	3,540	..		
168	Superintending Engineer's No. 3199 K.S. of 24th Mar. 1883	(3) B.	..	Old claims—Chennu Addacodu	159	..	159	159	..	..		
169	No. 490 I. of 28th Nov. 1889	..	..	Compensation for land required for the main distributary	3,436	..	3,436	3,436	..	..		
170	Superintending Engineer's No. 2198 K.S. of 29th Nov. 1890	..	..	Right side channel of Kaldindi	210	51	159	210	..	..		
171	....	..	..	Kamalapuram, north side channel	1,456	..	1,456	1,456	..	..		
Total					5,261	51	5,210	5,261	..	..		
172	No. 738 I. of 29th Aug. 1892	(3) C.	..	Fender piles to the head of Kamalapuram lock weir	1,080	821	259	1,080	..	..		
173	No. 412 I. of 6th May 1893	..	..	Head sluice to Lellaboracodu	390	..	390	390	..	..		
174	No. 590 I. of 28th Nov. 1889	..	..	Sluice to Doddicoodu	540	468	72	540	..	..		
175	Do.	..	..	Sluice to Rallaguntacodu	555	479	76	555	..	..		
176	Do.	..	..	Bridge with regulator on Bantumulli road at 5 miles 2,070 feet	2,292	2,073	129	2,292	..	..		
177	Do.	..	..	Sluice to road side channel	917	803	114	917	..	..		
178	Do.	..	..	Do. Gaugunnamacodu	493	434	59	493	..	..		
179	Do.	..	..	Do. Vaivaka channel	842	682	160	842	..	..		
180	Do.	..	..	Do. Nadimiroodu	460	318	142	460	..	..		
181	Do.	..	..	Do. Avakur channel	468	384	84	468	..	..		
182	Do.	..	..	Do. Tail escape	270	124	146	270	..	..		
183	No. 257 I. of 23rd Mar. 1893	..	..	Do. Yurinicodu on left bank	430	178	252	430	..	..		

184	No. 257 I. of 23rd March 1893	..	..	Sluice to Chennur Addacodu on left bank	460	143	317	460	..	..		
185	Do.	..	..	Do. Tummicodu	455	145	310	455	..	..		
186	Do.	..	..	Do. Gorricodu	455	147	308	455	..	..		
187	Do.	..	..	Do. Rallaguntacodu	500	154	346	500	..	..		
188	Do.	..	..	Do. Vopuduru	510	180	330	510	..	..		
189	Do.	..	..	Do. Vaivaka channel	530	169	361	530	..	..		
190	....	..	..	Head sluice to Kamalapuram north side channel	1,040	..	1,040	1,040	..	..		
191	....	..	..	No. 1 sluice at 1 mile 7 furlongs and 580 feet of Kamalapuram north side channel	185	..	185	185	..	..		
192	....	..	..	" 2 do. at 2 miles 7 furlongs 150 feet	179	..	179	179	..	..		
193	....	..	..	" 3 do. at 3 " 7 " 400 "	175	..	175	175	..	..		
194	....	..	..	" 4 do. at 4 " 5 " 300 "	162	..	162	162	..	..		
195	....	..	..	" 5 do. at 5 " 3 " 200 "	177	..	177	177	..	..		
196	....	..	..	" 6 do. at 6 " 6 " 330 "	172	..	172	172	..	..		
197	....	..	..	Head sluice to Bantumulli north side channel	..	..	600	600	..	..		
Total					13,647	7,702	6,545	14,247	600	..		
198	No. 590 I. of 20th Nov. 1889	(3) L.	..	Minor channel	3,150	..	3,150	3,150	..	..		
199	No. 3199 K.S. of 24th March 1893.	..	..	Chennur Addacodu	671	107	564	671	..	..		
200	....	..	..	Improvements to distributaries of main distributary	..	..	6,000	6,000	..	..		
201	....	..	..	Do. to Kamalapuram south side channel	..	..	1,000	1,000	..	..		
202	....	..	..	Kamalapuram north side channel	3,590	..	3,590	3,590	..	..		
203	....	..	..	Bantumulli do.	..	..	2,400	2,400	..	..		
Total					7,411	107	15,704	15,811	8,400	..		
204	No. 590 I. of 20th Nov. 1889	(3) O.	..	Demarcation stones along Bantumulli main distributary.	448	62	386	448	..	..		
205	No. 590 I. of 20th Nov. 1889 and Superintending Engineer's No. 2198 K.S. of 29th Nov. 1890.	..	..	Do. along left side channel of Bantumulli canal	30	14	16	30	..	..		
206	Superintending Engineer's No. 3199 K.S. of 24th March 1893.	..	..	Do. along Chennur Addacodu	20	..	20	20	..	..		
207	Superintending Engineer's No. 1032 K.S. of 6th Aug. 1891.	..	..	Do. along right side channel of Kamalapuram south side channel	150	24	126	150	..	..		
208	....	..	..	Do. along Kamalapuram north side channel.	134	..	134	134	..	..		
Total					752	100	652	752	..	..		
Total (3) Distributaries					27,071	7,960	28,111	36,071	9,000	..		
Total, Bantumulli canal.					1,38,811	92,443	56,918	1,49,361	12,550	..		
209	Superintending Engineer's No. 2244 K.S. of 12th Dec. 1891.	(2) B.	..	Rest-house at Perikede	30	..	30	30	..	..		
210	No. 314 I. of 2nd June 1888	(2) F.	..	Inlet	190	..	190	190	..	..		
211	Para. 50 of the note printed in No. 3528 of 22nd Dec. 1876.	(2) I.	..	Kalaparru bridge township	430	..	430	430	..	..		
212	Para. 50 of the note printed in No. 3528 of 22nd Dec. 1876.	..	..	Ellore do.	455	..	455	455	..	..		
213	No. 304 I. of 7th April 1893	..	..	Wharf wall at Ellore	11,300	402	10,898	11,300	..	..		
Total					12,185	402	11,783	12,185	..	..		

Lump sum.

Statement showing the principal items on which expenditure will have to be incurred after 31st March 1893 in completing Delta works, II Circle—cont.

No.	Proceedings of the Mac'ras Government or other authority.	Main and sub head.	Mileage.	Names of works.	EXPENDITURE.				Increase.	Decrease.	Remarks.
					Amount of sanctioned estimate.	Expenditure incurred to end of 1892-93.	Further expenditure.	Total.			
1	2	3	4	5	6	7	8	9	10	11	12
KISTNA EASTERN SECTION—cont.											
Ellore canal—cont.											
214	No. 314 I. of 2nd June 1888	(2) O.	9 75	Nakkalam cattle-crossing	436	..	436	436	..	..	Lump sum.
				Total (2) Main canals and branches	12,841	402	12,439	12,841	..	..	
215	No. 314 I. of 2nd June 1888	(3) B.	11 70	Kesavapalli channel	200	..	200	200	..	..	Lump sum.
216	No. 226 I. of 13th March 1893	..	14 30½	Ungutur channel	3,370	..	3,370	3,370	..	..	
217	Do.	..	..	Do. right side channel	105	..	105	105	..	..	
218	Do.	..	..	Do. left	720	..	720	720	..	..	
219	No. 314 I. of 2nd June 1888 and 2 I. of 4th January 1892.	..	17 26	Ponukunad channel	910	..	910	910	..	..	
220	Do.	..	..	Do. right side channel	50	..	50	50	..	..	
221	Do.	..	..	Do. left	160	..	160	160	..	..	
222	No. 397 I. of 2nd May 1893	..	..	Do. left side extension	310	..	310	310	..	..	
223	No. 226 I. of 13th March 1893	..	20 41	Chirivada channel	2,489	..	2,489	2,489	..	..	
224	No. 65 I. of 21st January 1892	..	22 36	Viravalli do.	1,640	..	1,640	1,640	..	..	
225	Do.	..	25 2	Kakulapad channel	410	..	410	410	..	..	
226	No. 314 I. of 2nd June 1888 and No. 897 of 21st November 1891.	..	36 20	Mupparu do.	1,030	..	1,030	1,030	..	..	
227	No. 635 I. of 9th July 1884	..	..	Demarcating land for Madepalli channel	450	..	450	450	..	..	
228	No. 373 I. of 28th April 1893	..	..	Wutur right side channel	300	..	300	300	..	..	
229	No. 576 I. of 22nd July 1891	..	..	Do. left	137	..	137	137	..	..	
230	Do.	..	..	Do. right	130	..	130	130	..	..	
231	No. 21 I. of 4th January 1892	..	30 40	Pedapad channel	830	..	830	830	..	..	
232	Do.	..	..	Do. right side channel	110	..	110	110	..	..	
233	Do.	..	..	Do. left	170	..	170	170	..	..	
234	No. 455 I. of 18th May 1893	..	28 60	Gogunta channel	163	..	163	163	..	..	
235	No. 488 I. of 2nd June 1893	..	..	Do. right side channel	1,930	..	1,930	1,930	..	..	
236	Do.	..	..	Do. left	180	..	180	180	..	..	
237	Do.	..	..	Chatapurra channel	340	..	340	340	..	..	
238	No. 496 I. of 6th June 1893	..	40 10	Tippanagunta channel	910	..	910	910	..	..	
239	....	..	23 91	..	..	..	..	..	400	..	
				Total	17,044	..	17,444	17,444	400	..	

240	Para. 50 of the note printed in No. 3528 of 22nd Dec. 1876.	(3) C.	11 70	Kesavapalli channel	..	..	..	..	..	..	Lump sum.
241	No. 226 I. of 13th Mar. 1893	..	14 30½	Ungutur do. head sluice	..	..	..	..	..	..	
242	Do.	..	..	Drop No. 1	2,340	..	2,340	2,340	..	..	Lump sum.
243	Do.	..	..	Drop No. 2	600	..	600	600	..	..	
244	Do.	..	..	Tail escape	350	..	350	350	..	..	
245	Do.	..	..	Chirivada channel, head sluice	395	..	395	395	..	..	
246	Do.	..	20 41	Drop No. 1	1,362	..	1,362	1,362	..	..	
247	Do.	..	..	Do. 2	685	..	685	685	..	..	
248	Do.	..	..	Do. 3	570	..	570	570	..	..	
249	Do.	..	..	Do. 4	430	..	430	430	..	..	
250	No. 635 I. of 9th July 1884	..	..	Minor sluices, Mupparra channel	390	..	390	390	..	..	
251	No. 314 I. of 2nd June 1888	(3) C.	39 43	Madepalli channel, under-tunnel	1,234	..	1,234	1,234	..	..	
252	Do.	..	39 54	Do. culvert	1,741	..	1,741	1,741	..	..	
253	Do.	..	39 73	Do. under-tunnel	1,234	..	1,234	1,234	..	..	
254	Do.	..	..	Do. (9) minor sluices	1,350	..	1,350	1,350	..	..	
255	No. 576 I. of 22nd July 1891	..	..	Watur channel drop	380	..	380	380	..	..	
256	No. 897 I. of 21st Nov. 1891	..	..	Under-tunnel at 1,240 feet of Kakulapad channel	900	..	900	900	..	..	
257	Do.	..	..	Field masonry sluice, No. 1, left bank	140	..	140	140	..	..	
258	Do.	..	..	Do. 2	136	..	136	136	..	..	
259	Do.	..	..	Do. 3	140	..	140	140	..	..	
260	Do.	..	..	Do. 4	150	..	150	150	..	..	
261	Do.	..	..	Do. 1, right bank	180	..	180	180	..	..	
262	Do.	..	..	Do. 2	140	..	140	140	..	..	
263	No. 397 I. of 2nd May 1893	..	..	Improvements to left side vent, Punukunad left side channel	180	..	180	180	..	..	
264	Do.	..	..	Aqueduct	120	..	120	120	..	..	Lump sum.
265	No. 2 I. of 4th Jan. 1892	..	..	Peddapad channel, drop No. 1	1,730	..	1,730	1,730	..	..	
266	Do.	..	..	Do. 2	366	..	366	366	..	..	
267	Do.	..	..	Do. 3	400	..	400	400	..	..	
268	Do.	..	..	Four field masonry sluices	370	..	370	370	..	..	
269	No. 595 I. of 7th July 1893	..	30 40	Road culvert to Punukollu road	640	..	640	640	..	..	
270	No. 65 I. of 21st Jan. 1892	..	..	Viravalli channel, drop No. 1	680	..	680	680	..	..	
271	Do.	..	..	Do. 2	320	..	320	320	..	..	
272	Do.	..	..	Do. 3	290	..	290	290	..	..	
273	Do.	..	..	Do. field masonry sluice No. 1	190	..	190	190	..	..	
274	Do.	..	..	Do. do.	210	..	210	210	..	..	
275	No. 488 I. of 2nd June 1893	(3) C.	28 60	Gogunta channel, head sluice	2,380	..	2,380	2,380	..	..	
276	Do.	..	..	Do. drop No. 1	520	..	520	520	..	..	Lump sum.
277	Do.	..	..	Do. 2	520	..	520	520	..	..	
278	Do.	..	..	Do. 3	530	..	530	530	..	..	
279	Do.	..	..	Do. 4	470	..	470	470	..	..	
280	No. 486 I. of 6th June 1893	..	40 10	Chatapurra channel, head sluice	1,050	..	1,050	1,050	..	..	
281	Do.	..	..	Do. drop No. 1	500	..	500	500	..	..	
282	Do.	..	..	Do. 2	500	..	500	500	..	..	
283	Do.	..	23 1	Tippanagunta channel, masonry works	..	..	3,000	3,000	3,000	..	
				Total	27,841	5,662	25,179	30,841	3,000	..	
284	Para. 50 of the note printed in No. 3528 of 22nd Dec. 1876.	(3) L.	11 70	Kesavapalli channel	..	..	..	..	..	..	Lump sum.
285	No. 226 I. of 13th Mar. 1893	..	14 30½	Ungutur channel, excavation	650	..	650	650	..	..	
286	Do.	..	..	Do. earthenware pipes	4,560	..	4,560	4,560	..	..	
287	Do.	..	..	Ungutur right side channel, excavation	460	..	460	460	..	..	

No.	Proceedings of the Madras Government or other authority.	Main and sub head.	Mileage.	Names of works.	EXPENDITURE.					Increase.	Decrease.	Remarks.
					Amount of sanctioned estimate.	Expenditure incurred to end of 1892-93.	Further expenditure.	Total.				
1	2	3	4	5	6	7	8	9	10	11	12	
				KISTNA EASTERN SECTION—cont. Ellore canal—cont.								
288	No. 226 I. of 13th Mar. 1893	..	..	Ungutur right side channel, earthenware pipes	70	..	70	70	..	..		
289	Do.	..	..	Ungutur left side channel, excavation	620	..	620	620	..	..		
290	Do.	..	..	Do.	140	..	140	140	..	..		
291	No. 2 I. of 4th Jan. 1892, para. 50 of the note printed in G.O. No. 3528 of 22nd Dec. 1876.	..	..	Ponkumad channel, excavation	2,110	1,657	453	2,110	..	..		
292	No. 397 I. of 2nd May 1893	..	..	Do.	370	..	370	370	..	..		
293	Do.	..	..	Do. left side channel, extension	100	..	100	100	..	..		
294	Do.	..	..	Do. earthenware pipes	30	15	15	30	..	..		
295	No. 226 I. of 13th Mar. 1893, para. 50 of the note printed in G.O. No. 3528 of 22nd Dec. 1876.	(3) L.	20 41	Do. Palmyra spouts	4,954	..	4,954	4,954	..	..		
296	Do.	..	..	Chirivada channel, excavation	..	..	..	..	..	..		
297	Do.	..	..	Do.	610	..	610	610	..	..		
298	No. 576 I. of 22nd July 1891	..	..	Viravalli channel, box sluices and spouts	280	3	277	280	..	..		
299	Do.	..	..	Viravalli right side channel, excavation	280	247	33	280	..	..		
300	Do.	..	..	Do. palmyra spouts	20	..	20	20	..	..		
301	Do.	..	..	Kakulapad channel	1,950	1,461	489	1,950	..	..		
302	Do.	..	..	Do.	300	..	300	300	..	..		
303	No. 303 I. of 7th April 1893	..	..	Side channel to Mupparu channel	408	313	95	408	..	..		
304	No. 644 I. of 18th Sept. 1886	..	..	Madepalli channel, extension	2,150	..	2,150	2,150	..	..		
305	Do.	..	39 11	Do.	570	..	570	570	..	..		
306	Do.	..	..	Channel parallel to Ellore canal on left of do.	400	24	376	400	..	..		
307	Do.	..	..	Do. do. on right of do.	44	..	44	44	..	..		
308	No. 488 I. of 2nd June 1893	..	39 54	Side channel right of Madepalli channel	43	..	43	43	..	..		
309	Do.	..	28 60	Gogunta channel, excavation	2,490	..	2,490	2,490	..	..		
310	Do.	..	..	Do. earthenware pipes	150	..	150	150	..	..		
311	Do.	..	..	Gogunta channel, right side channel, excavation	210	..	210	210	..	..		
312	Do.	..	..	Do.	80	..	80	80	..	..		
313	Do.	..	..	Gogunta channel, left side channel, excavation	630	..	630	630	..	..		
314	No. 486 I. of 6th June 1893	..	..	Do. earthenware pipes	160	..	160	160	..	..		
315	Do.	..	..	Chataparru channel, excavation	780	..	780	780	..	..		
316	No. 576 I. of 22nd July 1891	..	..	Do.	80	..	80	80	..	..		
317	Do.	..	..	Do. earthenware pipes	292	214	78	292	..	..		
318	No. 455 I. of 18th May 1893	(3) L.	..	Wutur right side channel	1,560	1,287	173	1,560	..	..		
319	Do.	..	..	Pedapad channel	1,377	..	1,377	1,377	..	..		
		..	..	Do. left side channel, extension	..	..	..	..	2,000	..		
		..	..	Tippanagunta channel	..	..	2,000	2,000	2,000	..		
				Total	28,388	5,321	25,667	30,988	9,000	..		

320	No. 467 I. of 17th Nov. 1886	(3) O.	..	Madepalli channel, cattle-crossing	394	..	394	394	..	..	..
321	Do.	..	..	Do. demarcation stones	260	..	260	260	..	..	..
322	No. 226 I. of 13th Mar. 1893	..	14 30	Demarcation stones, Ungutur channel	10	..	10	10	..	..	..
323	Do.	..	..	Do. right side channel of do.	40	..	40	40	..	..	..
324	Do.	..	..	Do. do.	250	..	250	250	..	..	..
325	Do.	..	20 41	Chirivada channel	200	..	200	200	..	..	..
326	No. 897 I. of 21st Nov. 1891	..	..	Kakulapad channel	140	..	140	140	..	..	..
327	Do.	..	..	Ponukamad channel	10	..	10	10	..	..	..
328	Do.	..	..	Do. right side channel	20	..	20	20	..	..	..
329	Do.	..	..	Do. left side do.	30	..	30	30	..	..	..
330	No. 397 I. of 2nd May 1893	..	..	Pedapad channel	100	..	100	100	..	..	..
331	No. 2 I. of 4th Jan. 1892	..	..	Do. right side channel	12	..	12	12	..	..	..
332	Do.	..	..	Do. left side do.	50	..	50	50	..	..	..
333	Do.	..	..	Do. do. extension	60	..	60	60	..	..	..
334	No. 455 I. of 18th May 1893	..	..	Wutur channel	50	..	50	50	..	..	..
335	No. 576 I. of 22nd July 1891	..	..	Do. right side channel	21	..	21	21	..	..	..
336	Do.	..	..	Do. left do.	18	..	18	18	..	..	..
337	Do.	..	..	Viravalli channel	140	..	140	140	..	..	..
338	No. 65 I. of 21st January 1892	..	..	Do. right side channel	30	..	30	30	..	..	..
339	Do.	..	..	Gogunta channel	130	..	130	130	..	..	..
340	No. 488 I. of 2nd June 1893	..	28 60	Do. right side channel	30	..	30	30	..	..	..
341	Do.	..	..	Do. left side do.	50	..	50	50	..	..	..
342	Do.	..	..	Chataparru channel	140	..	140	140	..	..	..
343	No. 496 I. of 6th June 1893	(3) O.	..	Total	2,185	73	2,412	2,485	300	..	..
344	No. 314 I. of 2nd June 1888	(4) B.	8 40	Total (3) Distributaries	76,058	11,056	70,702	81,758	5,700	..	..
345	Do.	..	..	Nakkalam drain	160	..	160	160	..	..	..
346	Para. 50 of the note printed in No. 3528 of 22nd Dec. 1876	..	10 20	Kesavapalli do.	308	..	308	308	..	..	..
347	Do.	..	16 0	Avatipalli do.	300	..	300	300	..	..	..
348	Do.	..	17 0	Atukur drain	80	..	80	80	..	..	..
349	Do.	..	19 0	Pottipad drain	50	..	50	50	..	..	..
350	No. 314 I. of 2nd June and No. 410 I. of 14th May 1891.	..	23 10	Ampeparan do.	255	..	255	255	..	..	..
351	Do.	..	..	Viravalli do.	250	..	250	250	..	..	..
352	Para. 50 of the note printed in No. 3528 of 22nd Dec. 1876.	..	25 6	Narasanaipalem drain	90	..	90	90	..	..	..
353	Do.	..	24 0	Canunole drain	225	..	225	225	..	..	..
354	Do.	..	27 0	Perikood do.	170	..	170	170	..	..	..
355	No. 314 I. of 2nd June 1888	..	28 0	Ramilern do.	80	..	80	80	..	..	..
356	Para. 50 of the note printed in No. 3528 of 22nd Dec. 1876.	..	29 70	Totagudem do.	50	..	50	50	..	..	..
357	No. 314 I. of 2nd June 1888	..	31 0	Punukollu do.	40	..	40	40	..	..	..
358	Do.	..	33 40	Pedapad do.	100	..	100	100	..	..	..
359	Para. 50 of the note printed in No. 3528 of 22nd Dec. 1876.	..	35 77	East Tammluru flood bank	80	..	80	80	..	..	..
360	Do.	..	37 10	Wutur drain	70	..	70	70	..	..	..
361	Do.	..	39 5	West Tammleru drain	300	..	300	300	..	..	..
362	No. 653 I. of 13th Nov. 1890	..	..	Jalipudi drain	100	..	100	100	..	..	..
		..	..	Compensation for Budameru widening	480	..	480	480	..	..	..

Statement showing the principal items on which expenditure will have to be incurred after 31st March 1893 in completing Delta works, II Circle—cont.

No.	Proceedings of the Madras Government or other authority.	Main and sub head.	Mileage.	Names of works.	EXPENDITURE.				Increase.	Decrease.	Remarks.
					Amount of sanctioned estimate.	Expenditure incurred to end of 1892-93.	Further expenditure.	Total.			
1	2	3	4	5	6	7	8	9	10	11	12
363	No. 495 L. of 9th Sept. 1890	..	..	KISTNA EASTERN SECTION—cont. Elore canal—cont. Compensation for raising the Budameru flood bank from Moparra to Aripirala.	Rs. 104	..	104	104	..	..	
364	....	(4) C.	..	Total ..	3,292	..	3,292	3,292	..	..	
365	Para. 50 of the note printed in No. 3528 of 22nd Dec. 1876.	(4) L.	27 0	Ten foot bridges across drains	..	..	5,000	5,000	..	..	
366	Do. do.	..	28 0	Perished drain ..	300	..	300	300	..	..	
367	Do. do.	..	31 0	Ramilera do. ..	60	..	60	60	..	..	
368	Do. do.	..	35 77	Punkollu do. ..	20	..	20	20	..	..	
369	Do. do.	..	37 10	Wutur do. ..	300	..	300	300	..	..	
370	Do. do.	..	39 6	West Tammileru drain ..	2,500	..	2,500	2,500	..	..	
371	Do. do.	..	..	Jalipudi drain ..	300	..	300	300	..	..	
372	No. 314 L. of 2nd June 1888	..	8 40	East Tammileru drain ..	2,165	..	2,165	2,165	..	..	Lump sum.
373	Para. 50 of the note printed in No. 3528 of 22nd Dec. 1876.	..	10 21	Sakkalam drain ..	425	..	425	425	..	..	Lump sum.
374	Do. do.	..	16 0	Kesavapalli do. ..	300	..	300	300	..	..	
375	Do. do.	..	17 0	Avatapalli do. ..	400	..	400	400	..	..	
376	Do. do.	..	19 0	Atukur do. ..	490	..	490	490	..	..	
377	No. 314 L. of 2nd June 1888	..	21 26	Pottipad do. ..	150	..	150	150	..	..	
378	Para. 58 of the note printed in No. 3528 of 22nd Dec. 1876	..	22 60	Ampapuram drain ..	3,187	1,835	1,352	3,187	..	..	
379	Do. do.	..	24 0	Nellivaga do. ..	830	..	830	830	..	..	
380	No. 653 L. of 13th Nov. 1890	..	..	Canuole do. ..	1,465	..	1,465	1,465	..	..	
381	No. 495 L. of 9th Sept. 1890	..	..	Widening the last 3 miles of the Budameru Raising flood bank to the Budameru ..	19,120	15,248	3,872	19,120	..	..	
				Total ..	36,958	20,168	16,790	36,958	..	..	
				Total, (4) Drainage and protective works ..	40,250	20,168	20,082	45,250	5,000	..	
				Total, Elore canal ..	1,29,149	31,626	1,08,223	1,89,849	10,700	..	
382	No. 145 L. of 12th Feb. 1885	(3) B.	..	Dosapad channel ..	6,960	4,298	2,662	6,960	..	..	
383	No. 354 L. of 11th May 1886	..	..	Juvvanapudi branch of Kunderu channel ..	1,782	1,630	162	1,782	..	..	
384	No. 405 L. of 25th July 1890	..	..	Aripirala branch ..	1,070	..	1,070	1,070	..	..	

385	Do. do.	..	..	Pamalapad branch	550	..	550	558	..	..	
386	No. 679 L. of 31st July 1893	..	..	Bhumicodu from Dosapad channel	83	..	83	83	..	..	
387	....	..	..	Side channel from left bank of Dosapad channel at 10 miles 300 feet.	220	..	220	220	..	..	
388	Do. do.	..	..	Left side channel of Dosapad channel from below Aripirala branch, head sluice.	510	..	510	510	..	..	
				Total ..	11,175	5,918	5,257	11,175	..	..	
389	Do. do.	(3) C.	..	Aripirala Panta Coda, head sluice	390	156	234	390	..	..	
390	No. 395 L. of 2nd May 1893	..	..	Dun at 2 miles 5 furlongs of Neharalli codu ..	560	..	560	560	..	..	
391	Do. do.	..	..	Dun at 5 miles 17 chains of do. ..	480	..	480	480	..	..	
392	....	..	..	Head sluice to left side channel of Dosapad channel from below Aripirala branch, head sluice.	620	..	620	620	..	..	
393	No. 395 L. of 2nd May 1893	..	..	Road culvert to Perished road	430	..	430	430	..	..	
394	Do. do.	..	..	Sluice to Bhumicodu ..	360	..	360	360	..	..	
395	Do. do.	..	..	Do. right side channel ..	300	..	300	300	..	..	
396	Do. do.	..	..	Do. left do. ..	270	..	270	270	..	..	
397	Do. do.	..	..	Do. Tamrasu do. ..	300	..	300	300	..	..	
398	Do. do.	..	..	Do. Rachacodu ..	260	..	260	260	..	..	
399	No. 384 L. of 11th May 1886	..	..	Masonry works ..	2,666	..	2,666	2,666	..	..	
400	No. 679 L. of 31st July 1893	..	..	Sluice to Bhumicodu from Dosapad channel ..	530	..	530	530	..	..	Lump sum.
401	Do. do.	..	..	Tail escape to do. ..	142	..	142	142	..	..	
402	....	..	..	Head sluice to side channel from left bank of Dosapad channel at 10 miles 300 feet.	680	..	680	680	..	..	
403	No. 649 L. of 24th July 1893	..	..	Head sluice at 11 miles of Dosapad channel ..	530	..	530	530	1,500	..	
404	....	..	..	Pipe sluices in right bank of Dosapad channel ..	..	..	..	..	..	..	
				Total ..	8,538	156	9,832	10,038	1,500	..	
405	No. 799 L. of 9th October 1882	(3) L.	..	Enlarging and improving minor channels	118	..	118	118	..	..	Lump sum.
406	No. 395 L. of 2nd May 1893	..	..	Bhumicodu ..	139	..	139	139	..	..	
407	Do. do.	..	..	Do. right side channel ..	391	..	391	391	..	..	
408	Do. do.	..	..	Do. left do. ..	282	..	282	282	..	..	
409	Do. do.	..	..	Tamrasu channel ..	990	..	990	990	..	..	
410	No. 394 L. of 11th May 1886	..	..	Earthwork ..	8,680	..	8,680	8,680	..	..	
411	....	..	..	Improvements to Kunderu channel	2,000	..	2,000	2,000	..	..	
412	....	..	..	Do. Mastaphankancodu ..	6,000	..	6,000	6,000	..	..	
413	....	..	..	Do. North side channel of Dosapad channel.	3,000	..	3,000	3,000	..	..	
414	....	..	..	Do. Aripirala branch ..	1,000	..	1,000	1,000	..	..	
415	....	..	..	Left side channel from Dosapad channel from below Aripirala branch, head sluice.	443	..	443	443	..	..	
416	....	..	..	Improvements to south side channel of Dosapad channel.	1,000	..	1,000	1,000	..	..	
417	....	..	..	Side channel from left bank of Dosapad channel, 10 miles 300 feet.	400	..	400	400	..	..	
418	No. 679 L. of 31st July 1893	..	..	Excavating Bhumicodu channel ..	535	..	535	535	..	..	
				Total ..	11,986	132	24,854	24,986	13,000	..	

Statement showing the principal items on which expenditure will have to be incurred after 31st March 1893 in completing Delta works, II Circle—cont.

No.	Proceedings of the Madras Government or other authority.	Main and sub head.	Mileage.	Names of works.	Amount of sanctioned estimate.	EXPENDITURE.				Increase.	Decrease.	Remarks.
						Expenditure incurred to end of 1892-93.	Further expenditure.	Total				
1	2	3	4	5	6	7	8	9	10	11	12	
419	No. 354 I. of 11th May 1886	(3) O.	..	KISTNA EASTERN SECTION—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
420	No. 563 I. of 16th July 1891	..	..	Ryves canal—cont.	197	197	..	197	..	..	..	
421	Do.	..	..	Kunderu channel, cattle ramp at Katur	330	330	..	330	..	..	..	
422	Do.	..	..	Do. demarcation stones	240	240	..	240	..	..	..	
423	Do.	..	..	Lingavaram channel	410	..	79	331	..	..	..	
424	Do.	..	..	Seharali codu do.	260	..	..	260	..	..	..	
425	Do.	..	..	Juvvanapudi branch channel	800	..	..	800	..	..	..	
426	Do.	..	..	Dosapad channel do.	200	..	..	200	..	..	..	
427	Do.	..	..	Kalavapamula branch do.	240	..	..	240	..	..	..	
428	No. 563 I. of 16th July 1893	..	..	Komatigunta channel do.	27	..	..	27	..	..	..	
429	....	..	..	Demarcation stones for left side channel of dosapad chan-	400	..	..	400	..	..	..	
430	....	..	..	nel from below Aripirala branch head sluice.	30	..	..	30	..	..	..	
	....	..	..	North side channel of Dosapad channel from below Aripirala branch channel, head sluice	..	..	..	..	..	..	..	
	....	..	..	Demarcation stones for side channel from left bank of Dosapad channel at 10 miles 360 feet.	..	..	..	..	..	..	..	
	....	..	..	Improvements to ramps on Dosapad channel and providing revetments.	..	..	..	..	..	..	..	
	....	..	..	Total	3,134	79	6,055	6,134	3,000	..	..	
	....	..	..	Total (3) Distributaries	34,833	6,285	46,048	52,333	17,500	..	..	
	....	..	..	Total, Ryves canal	34,833	6,285	46,048	52,333	17,500	..	..	
431	....	(2) B.	..	Bank canal.	..	..	..	..	..	..	..	
	....	..	..	Compensation	..	..	..	..	..	..	..	
	....	..	..	Total (2) Main canals and branches	..	..	..	..	..	..	..	
	....	..	..	Total, Bank canal	..	..	..	..	..	..	..	
432	No. 962 I. of 14th Nov. 1885	(4) B.	..	Drain from Iruampudi aqueduct to Dayyapu calva.	5,710	1,849	3,861	5,710	..	..	..	
	....	..	..	Compensation for land	..	..	..	..	..	..	..	

No.	Proceedings of the Madras Government or other authority.	Main and sub head.	Mileage.	Names of works.	Amount of sanctioned estimate.	EXPENDITURE.				Increase.	Decrease.	Remarks.
						Expenditure incurred to end of 1892-93.	Further expenditure.	Total				
1	2	3	4	5	6	7	8	9	10	11	12	
433	Appendix D of No. 181 I. of 28th Feb. 1892 and No. 962 I. of 14th Nov. 1885.	(4) C.	..	Uppalur drain.	6,717	..	6,717	6,717	..	..	..	Lump sum.
434	Do.	(4) L.	..	Masonry works	4,469	..	4,469	4,469	..	..	..	Do.
435	Do.	(4) O.	..	Earthwork	261	..	261	261	..	..	..	Do.
	Do.	..	..	Miscellaneous works	11,447	..	11,447	11,447	..	..	..	Do.
	Do.	..	..	Total, Uppalur drain	..	..	..	..	..	..	..	Do.
436	No. 369 I. of 4th May 1883	(4) O.	..	Chendraya drain.	1,150	..	1,150	1,150	..	..	..	Do.
437	Appendix D of No. 181 I. of 28th Feb. 1892.	..	..	Bench marks	1,969	..	1,969	1,969	..	..	..	Do.
438	No. 536 I. of 16th July 1891	..	..	Other masonry works	1,740	141	1,599	1,740	..	..	..	Do.
	....	..	..	Demarcation stones	4,859	141	4,718	4,859	..	..	..	Do.
	....	..	..	Total	4,859	141	4,718	4,859	..	..	..	Do.
	....	..	..	Total, Chendraya drain	..	..	..	..	..	..	..	Do.
439	No. 493 I. of 25th May 1892	(4) C.	..	Poluraz drain.	7,400	2,785	4,615	7,400	..	..	..	Lump sum.
440	* Appendix D of G.O. No. 181 I. of 28th Feb. 1892.	..	..	Roller iron girder bridge across Poluraz drain for Bantu-milli-Gudivada road at Mudanapalli.	14,128	..	14,128	14,128	..	..	..	Lump sum.
	....	..	..	Masonry works	21,528	2,785	18,743	21,528	..	..	..	Lump sum.
	....	..	..	Total	13,709	..	13,709	13,709	..	..	..	Lump sum.
	....	..	..	Earthwork	190	..	190	190	..	..	..	Lump sum.
	....	..	..	Demarcation stones	35,427	2,785	32,642	35,427	..	..	..	Lump sum.
	....	..	..	Total, Poluraz drain	..	..	..	..	..	..	..	Lump sum.
441	No. 962 I. of 14th Nov. 1885	(4) L.	..	Pullava drain.	2,505	..	2,505	2,505	..	..	..	Do.
442	Appendix D of No. 181 I. of 28th Feb. 1892.	(4) O.	..	Outlet sluices	65	..	65	65	..	..	..	Do.
443	No. 128 I. of 5th Feb. 1884	(4) C.	..	Demarcation stones along Veduruva affluent	80	..	80	80	..	..	..	Do.
444	Superintending Engineer's No. 2953 K.S. of 7th Mar. 1892.	..	..	Do.	140	..	140	140	..	..	..	Do.
445	Do.	..	..	Do.	719	..	719	719	..	..	..	Do.
446	Do.	..	..	(6) Cattle crossing along Pullava main drain	277	..	277	277	..	..	..	Do.
447	Superintending Engineer's No. 962 K.S. of 22nd July 1889.	..	..	Do.	295	..	295	295	..	..	..	Do.
448	Do.	..	..	Do.	1,576	..	1,576	1,576	..	..	..	Do.
449	Do.	..	..	Do.	430	..	430	430	..	..	..	Do.
	....	..	..	Total	4,081	..	4,081	4,081	..	..	..	Do.
	....	..	..	Total, Pullava drain	..	..	..	..	..	..	..	Do.