

G.O., No. 1068 J

DATED 15 Dec 99

19/12/99

[Despatch Abstract.]

Flotation Plant of the Krishna Delta System,
approving the estimate of the cost of
maintenance of the —, and stating
that Rs 32,000 will be provided in this
account in the budget estimates for
major works, for 1900-1901.

22/12/99

100/5

12.2.90/RT

18/90

505/90/RT

5/105/90/RT

1066-67 P.W.D. 15/12/99

9 2/90 270/90/RT
5 8/91 RB
Ress

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PUBLIC WORKS.

Spare copies

G.O., No. 1068 I., 15th December 1899.

DECEMBER.

Approving the estimate of the cost of maintenance of the —, and stating that Rs. 32,000 will be provided on this account in the budget estimates for Major works, for 1900-1901.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From J. S. WILSON, Esq., Executive Engineer, Kistna Eastern Division, to the Superintending Engineer, II Circle, dated 26th October 1899, No. 511 S.E.

I have the honour to forward, herewith, the annual floating plant statement of this delta showing programme of repairs for 1900-1901.

2. The amounts required to execute the programme are Rs. 27,610 for annual maintenance and Rs. 5,900 for special repairs.

3. The total estimated annual repairs are Rs. 33,500, or Rs. 8,500 less than the last year. This saving is owing to economies in repairs and to the omission of workshop centage.

4. Against the above requirement of Rs. 33,500, a sum of Rs. 24,900 only has been applied for in the budget, and the balance will be applied for later in the year as the works proceed.

ENCLOSURES.

KISTNA EASTERN DIVISION.

STATEMENT of irrigation floating plant in the Kistna district showing the estimated cost of upkeep during the year 1900-1901.

Register Number.	Details of plant.			Value of plant.		Probable cost of upkeep for 1900-1901.	Remarks.
				Original value.	Present book value.		
Part I.—Steamers and Steam Dredges.							
			RS.	RS.	RS.		
1	Steamer <i>Alexandra</i>	..	..	14,125	336	750	
	Special repairs	..	..	..	387	..	
2	Steamer <i>Wenlock</i>	..	..	30,533	30,533	1,500	
	Special repairs	..	..	..	100	..	
3	Steamer <i>Havelock</i>	..	..	31,532	31,532	1,250	
	Special repairs	..	..	..	275	..	
	Total	..	..	76,190	63,163	3,500	
	Maintenance	..	..	..	..	..	
	Special repairs	..	..	..	..	3,500	
1	Dredge steam	..	..	15,614	5,930	200	
	Special repairs	..	..	..	..	300	
2	Dredge steam	..	..	15,614	6,106	400	
5	Do.	..	..	30,439	14,995	500	In good order.
1	Cockburn's dredge	..	..	7,333	2,998	500	
2	Do. do.	..	..	..	..	300	In good order.
3	Do. do.	..	..	..	..	300	New; but unsatisfactory in working in spite of slight alterations.
	Total	..	..	69,000	30,029	2,500	
1	Scouring dam	..	..	No. 6 iron punt converted.	..	250	
2	Do.	..	..	..	..	250	
3	Do. (double)	..	..	..	..	500	In good order.
	Total	..	..	..	..	1,000	
	Annual maintenance	..	..	..	..	3,200	
	Special repairs	..	..	..	..	300	
	Total	..	..	..	..	3,500	

Statement of irrigation floating plant in the Kistna district, etc.—cont.

Register Number.	Details of plant.	Value of plant.		Probable cost of upkeep for 1900-1901.	Remarks.
		Original value.	Present book value.		
Part II.—Boats and Punts.					
1	Iron punt	Rs. 2,812	Rs. 859	Rs. 200	Bilge plates gone and new gun-
	Special repairs	..	..	500	wale bottom plates and deck
2	Iron punt	2,811	125	200	very bad.
3	Do.	2,812	380	200	In good order.
	Special repairs	2,812	1,720	100	Estimate sanctioned for current
4	Iron punt	2,812	250	200	year and to be carried out only
5	Special repairs	..	..	100	next year.
6	Iron punt	2,812	250	200	Estimate sanctioned for current
7	Special repairs	..	..	100	year and to be carried out only
8	Iron punt	2,812	1,115	200	next year.
9	Do.	2,812	1,078	200	Estimate sanctioned for current
10	Special repairs	2,812	378	200	year and to be carried out only
11	Iron punt	2,811	978	200	next year.
12	Special repairs	2,811	249	200	} In good order.
13	Iron punt	2,811	2,193	200	
14	Do.	2,811	1,257	200	
15	Do.	..	..	200	} In good order.
16	Special repairs	2,811	605	260	
17	Iron punt	..	..	100	
18	Special repairs	3,610	1,166	200	Bilge plates weak.
19	Iron punt	2,186	1,404	200	In good order.
20	Do.	2,185	700	200	} In good order.
21	Do.	2,172	1,529	200	
22	Do.	..	..	200	
23	Special repairs	2,172	744	200	} In good order.
24	Iron punt	2,172	345	200	
25	Do.	3,951	758	200	
26	Do.	2,172	45	200	} In good order.
27	Do.	4,091	287	200	
28	Do.	2,299	89	200	
29	Do.	5,916	5	200	} In good order.
30	Do.	1,584	326	200	
31	Do.	1,524	653	200	
32	Do.	1,524	20	200	} In good order.
33	Special repairs	..	..	300	
34	Iron punt	2,181	20	200	
35	Do.	1,960	328	200	} In good order.
36	Do.	1,960	66	200	
37	Do.	1,960	180	..	
38	Do.	400	120	200	} Condemned.
39	Do.	400	119	200	
40	Do.	250	75	200	
41	Do.	1,400	300	200	} In good order.
42	Do.	4,063	10	250	
43	Do.	4,171	498	250	
44	Do. (big)	4,242	48	250	} In good order.
45	Do. (big)	4,430	3,544	200	
46	Do. (big)	4,440	3,552	200	
47	Do.	..	..	200	} In good order.
48	Special repairs	2,181	20	200	
49	Iron punt	1,960	328	200	
50	Do.	1,960	66	200	} In good order.
51	Do.	1,960	180	..	
52	Do.	400	120	200	
53	Do.	400	119	200	} Condemned.
54	Do.	250	75	200	
55	Do.	1,400	300	200	
56	Do.	4,063	10	250	} In good order.
57	Do.	4,171	498	250	
58	Do.	4,242	48	250	
59	Do. (big)	4,430	3,544	200	} In good order.
60	Do. (big)	4,440	3,552	200	
61	Do.	..	..	200	
62	Special repairs	2,181	20	200	} In good order.
63	Iron punt	1,960	328	200	
64	Do.	1,960	66	200	
65	Do.	1,960	180	..	} Condemned.
66	Do.	400	120	200	
67	Do.	400	119	200	
68	Do.	250	75	200	} In good order.
69	Do.	1,400	300	200	
70	Do.	4,063	10	250	
71	Do.	4,171	498	250	} In good order.
72	Do.	4,242	48	250	
73	Do. (big)	4,430	3,544	200	
74	Do. (big)	4,440	3,552	200	} In good order.
75	Do.	..	..	200	
76	Special repairs	2,181	20	200	
77	Iron punt	1,960	328	200	} In good order.
78	Do.	1,960	66	200	
79	Do.	1,960	180	..	
80	Do.	400	120	200	} Condemned.
81	Do.	400	119	200	
82	Do.	250	75	200	
83	Do.	1,400	300	200	} In good order.
84	Do.	4,063	10	250	
85	Do.	4,171	498	250	
86	Do.	4,242	48	250	} In good order.
87	Do. (big)	4,430	3,544	200	
88	Do. (big)	4,440	3,552	200	
89	Do.	..	..	200	} In good order.
90	Special repairs	2,181	20	200	
91	Iron punt	1,960	328	200	
92	Do.	1,960	66	200	} In good order.
93	Do.	1,960	180	..	
94	Do.	400	120	200	
95	Do.	400	119	200	} Condemned.
96	Do.	250	75	200	
97	Do.	1,400	300	200	
98	Do.	4,063	10	250	} In good order.
99	Do.	4,171	498	250	
100	Do.	4,242	48	250	
101	Do. (big)	4,430	3,544	200	} In good order.
102	Do. (big)	4,440	3,552	200	
103	Do.	..	..	200	
104	Special repairs	2,181	20	200	} In good order.
105	Iron punt	1,960	328	200	
106	Do.	1,960	66	200	
107	Do.	1,960	180	..	} Condemned.
108	Do.	400	120	200	
109	Do.	400	119	200	
110	Do.	250	75	200	} In good order.
111	Do.	1,400	300	200	
112	Do.	4,063	10	250	
113	Do.	4,171	498	250	} In good order.
114	Do.	4,242	48	250	
115	Do. (big)	4,430	3,544	200	
116	Do. (big)	4,440	3,552	200	} In good order.
117	Do.	..	..	200	
118	Special repairs	2,181	20	200	
119	Iron punt	1,960	328	200	} In good order.
120	Do.	1,960	66	200	
121	Do.	1,960	180	..	
122	Do.	400	120	200	} Condemned.
123	Do.	400	119	200	
124	Do.	250	75	200	
125	Do.	1,400	300	200	} In good order.
126	Do.	4,063	10	250	
127	Do.	4,171	498	250	
128	Do.	4,242	48	250	} In good order.
129	Do. (big)	4,430	3,544	200	
130	Do. (big)	4,440	3,552	200	
131	Do.	..	..	200	} In good order.
132	Special repairs	2,181	20	200	
133	Iron punt	1,960	328	200	
134	Do.	1,960	66	200	} In good order.
135	Do.	1,960	180	..	
136	Do.	400	120	200	
137	Do.	400	119	200	} Condemned.
138	Do.	250	75	200	
139	Do.	1,400	300	200	
140	Do.	4,063	10	250	} In good order.
141	Do.	4,171	498	250	
142	Do.	4,242	48	250	
143	Do. (big)	4,430	3,544	200	} In good order.
144	Do. (big)	4,440	3,552	200	
145	Do.	..	..	200	
146	Special repairs	2,181	20	200	} In good order.
147	Iron punt	1,960	328	200	
148	Do.	1,960	66	200	
149	Do.	1,960	180	..	} Condemned.
150	Do.	400	120	200	
151	Do.	400	119	200	
152	Do.	250	75	200	} In good order.
153	Do.	1,400	300	200	
154	Do.	4,063	10	250	
155	Do.	4,171	498	250	} In good order.
156	Do.	4,242	48	250	
157	Do. (big)	4,430	3,544	200	
158	Do. (big)	4,440	3,552	200	} In good order.
159	Do.	..	..	200	
160	Special repairs	2,181	20	200	
161	Iron punt	1,960	328	200	} In good order.
162	Do.	1,960	66	200	
163	Do.	1,960	180	..	
164	Do.	400	120	200	} Condemned.
165	Do.	400	119	200	
166	Do.	250	75	200	
167	Do.	1,400	300	200	} In good order.
168	Do.	4,063	10	250	
169	Do.	4,171	498	250	
170	Do.	4,242	48	250	} In good order.
171	Do. (big)	4,430	3,544	200	
172	Do. (big)	4,440	3,552	200	
173	Do.	..	..	200	} In good order.
174	Special repairs	2,181	20	200	
175	Iron punt	1,960	328	200	
176	Do.	1,960	66	200	} In good order.
177	Do.	1,960	180	..	
178	Do.	400	120	200	
179	Do.	400	119	200	} Condemned.
180	Do.	250	75	200	
181	Do.	1,400	300	200	
182	Do.	4,063	10	250	} In good order.
183	Do.	4,171	498	250	
184	Do.	4,242	48	250	
185	Do. (big)	4,430	3,544	200	} In good order.
186	Do. (big)	4,440	3,552	200	
187	Do.	..	..	200	
188	Special repairs	2,181	20	200	} In good order.
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191	Do.	1,960	180	..	} Condemned.
192	Do.	400	120	200	
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194	Do.	250	75	200	} In good order.
195	Do.	1,400	300	200	
196	Do.	4,063	10	250	
197	Do.	4,171	498	250	} In good order.
198	Do.	4,242	48	250	
199	Do. (big)	4,430	3,544	200	
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201	Do.	..	..	200	
202	Special repairs	2,181	20	200	
203	Iron punt	1,960	328	200	} In good order.
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205	Do.	1,960	180	..	
206	Do.	400	120	200	} Condemned.
207	Do.	400	119	200	
208	Do.	250	75	200	
209	Do.	1,400	300	200	} In good order.
210	Do.	4,063	10	250	
211	Do.	4,171	498	250	
212	Do.	4,242	48	250	} In good order.
213	Do. (big)	4,430	3,544	200	
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215	Do.	..	..	200	} In good order.
216	Special repairs	2,181	20	200	
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219	Do.	1,960	180	..	
220	Do.	400	120	200	
221	Do.	400	119	200	} Condemned.
222	Do.	250	75	200	
223	Do.	1,400	300	200	
224	Do.	4,063	10	250	} In good order.
225	Do.	4,171	498	250	
226	Do.	4,242	48	250	
227	Do. (big)	4,430	3,544	200	} In good order.
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243	Do.	..	..	200	
244	Special repairs	2,181	20	200	
245	Iron punt	1,960	328	200	} In good order.
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247	Do.	1,960	180	..	
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249	Do.	400	119	200	
250	Do.	250	75	200	
251	Do.	1,400	300	200	} In good order.
252	Do.	4,063	10	250	
253	Do.	4,171	498	250	
254	Do.	4,242	48	250	} In good order.
255	Do. (big)	4,430	3,544	200	
256	Do. (big)	4,440	3,552	200	
257	Do.	..	..	200	

Statement of irrigation floating plant in the Kistna district, etc.—cont.

Register Number.	Details of plant.				Value of plant.		Probable cost of upkeep for 1900-1901.	Remarks.
					Original value.	Present book value.		
Part II.—Boats and Punts—cont.					RS.	RS.	RS.	
44	Composite punt	..	..	..	2,500	754	300	
	Special repairs ..	..	..	..	..	..	300	
45	Composite punt	..	..	..	2,500	735	300	
	Special repairs ..	..	..	..	..	..	300	
46	Composite punt	..	..	..	2,500	735	300	
	Special repairs ..	..	..	..	..	..	500	
47	Composite punt	..	..	..	2,288	373	300	Inside ribs renewing, most of the planks rotten.
48	Do.	..	..	..	2,287	958	300	In good order.
	Special repairs ..	..	..	..	..	..	100	Angle iron and gusset plates here and there to be renewed.
49	Composite punt	..	..	..	2,287	585	300	
	Special repairs ..	..	..	..	..	..	200	
50	Composite punt	..	..	..	2,160	356	300	
51	Do.	..	..	..	2,160	155	300	
52	Do.	..	..	..	2,160	296	300	
53	Do.	..	..	..	2,160	572	300	
54	Do.	..	..	..	2,055	911	300	In good order.
55	Do.	..	..	..	1,900	49	300	
56	Do.	..	..	..	2,013	138	300	
57	Do.	..	..	..	2,075	38	300	
	Special repairs ..	..	..	..	..	..	100	Planks very weak.
58	Composite punt	..	..	..	2,085	126	300	
59	Do.	..	..	..	2,156	435	300	
60	Do.	..	..	..	2,064	305	300	In good order.
61	Do.	..	..	..	2,168	301	300	
62	Do.	..	..	..	2,169	337	300	
	Special repairs ..	..	..	..	..	..	200	
63	Composite punt	..	..	..	2,164	358	300	Required stringers.
	Special repairs ..	..	..	..	..	..	100	In good order.
64	Composite punt	..	..	..	2,266	361	300	
65	Do.	..	..	..	2,238	72	300	
66	Do.	..	..	..	3,000	1,554	300	Dry, rot; generally, weak throughout.
	Special repairs ..	..	..	..	..	..	800	
67	Composite punt	..	..	..	3,000	1,796	300	In good order.
68	Do.	..	..	..	3,000	498	300	Bottom angle iron and deck very weak.
	Special repairs ..	..	..	..	..	..	300	
69	Composite punt	..	..	..	2,600	1,484	300	In good order.
70	Do.	..	..	..	2,600	837	300	
71	Do.	..	..	..	2,600	904	300	
	Special repairs ..	..	..	..	..	..	200	
72	Composite punt	..	..	..	2,600	1,528	300	
73	Do.	..	..	..	2,600	848	300	
74	Do.	..	..	..	2,600	1,317	300	In good order.
75	Do.	..	..	..	3,811	170	300	
76	Do.	..	..	..	2,553	942	300	
	Total ..				79,319	20,200	13,000	
	Annual maintenance ..	..	..	..	..	..	9,900	
	Special repairs ..	..	..	..	..	..	3,100	
11	Staff boat	..	..	..	1,621	124	200	
12	Do.	..	..	..	1,621	782	190	
14	Do.	..	..	..	1,355	566	160	
15	Do.	..	..	..	1,898	1,413	190	
16	Do.	..	..	..	1,556	120	160	In good order.
17	Do.	..	..	..	990	34	160	
18	Do.	..	..	..	2,486	1,404	190	
19	Do.	..	..	..	1,815	1,143	160	
20	Do.	..	..	..	2,271	1,533	100	
	Special repairs ..	..	..	..	..	155	..	
21	Staff boat	..	..	..	1,721	1,040	160	
22	Do.	..	..	..	1,140	1,140	160	In good order.
	Superintending Engineer's camp clerk's boat.				..	..	..	Should be condemned; a bad boat.
	Total ..				18,474	9,454	1,830	
	Annual maintenance ..	..	..	..	..	..	1,830	
	Special repairs ..	..	..	..	..	..	..	

ABSTRACT showing the comparison of details between the estimated and maintenance cost of floating plant in the Kistna district for 1899-1900 and 1900-1901.

	Numbers.		Original value.		Present book value.		Cost of upkeep.	
	1900-1901.	1899-1900.	1900-1901.	1899-1900.	1900-1901.	1899-1900.	1900-1901.	1899-1900.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Steamers ..	3	3	76,190	14,125	63,163	1,748	2,500	4,460
Dredges ..	6	6	69,000	69,000	30,029	40,375	2,500	3,252
Scouring dams ..	3	3	Completion reports not yet submitted.				1,000	1,209
Composite punts ..	33	33	79,319	181,319	26,209	27,781	13,000	14,030
Iron punts ..	41	41	1,08,777	1,08,777	27,166	37,259	10,650	14,985
Miscellaneous plant ..	23	10	7,703	5,753	2,641	2,465	530	1,000
Staff boats ..	11	11	18,474	17,334	9,454	9,602	1,830	2,330
Superintending Engineer's camp clerk's boat ..	1	1	..	..	..	..	..	..
Add as per separate estimate for probable expenditure for the use of steamers <i>Havelock</i> and <i>Alexandra</i> ..	..	..	..	..	..	..	500	750
Total ..	121	108	3,59,463	2,96,308	1,52,653	1,19,233	33,510	42,007
Annual maintenance ..	..	..	..	..	..	..	5,900	11,300
Special repairs ..	..	..	..	..	..	..	33,500	42,007
Total ..	..	..	..	..	..	..	..	..

DETAIL Approximate Estimate of the Annual Cost of maintenance of irrigation floating plant in the Kistna district during the official year 1900-1901.

	Steamer <i>Alexandra</i> .	Steamer <i>Wentch</i> .	Steamer <i>Havelock</i> .	No. 1 dredge.	No. 2 dredge.	No. 5 dredge.	Scouring dam No. 1.	Scouring dam No. 2.	Scouring dam No. 3.	Cookburn's dredge No. 1.	Cookburn's dredges Nos. 2 and 3, at Rs. 300 each.	Iron punts Nos. 1 to 16, 18 to 28, 77 and 78, at Rs. 200 each.	Iron punts Nos. 29 to 33, 35 to 38, at Rs. 200 each.	Iron punt No. 39, small.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Docking and launching ..	30	40	40	18	16	16	15	15	30	16	16	15	15	8
Painting ..	84	150	..	18	25	20	32	32	64	32	30	32	28	14
Caulking ..	28	..	..	72	16	50	38	38	76	33	25	38	22	..
Tarring ..	..	..	..	..	10	20	16	16	32	16	16	16	10	6
Stokers ..	36	190	90	..	..	..	..	..	..	..	..	..	..	..
Searing ..	75	246	240	53	53	..	..	..	..	..	..	..	..	..
Lascars ..	107	290	290	80	80	90	4	4	..	64	64	4	4	4
Ropes, etc. ..	15	100	100	8	8	60	60	120	8	8	8	5	5	4
Sundry repairs ..	200	250	250	30	150	169	60	60	120	268	100	64	73	5
Miscellaneous ..	50	..	..	..	..	4	..	..	..	13	11	26	..	..
Centage and contingencies.	125	..	..	42	60	25	..	..	50	50	30	..	43	9
Engine driver ..	..	240	240	..	..	..	..	..	..	..	..	..	..	..
Total ..	750	1,500	1,250	200	400	500	250	250	500	500	300	200	200	60
	Iron punt No. 41 to 43, at Rs. 250 each.	Trap punt No. 40.	Composite punt Nos. 44 to 76, at Rs. 300 each.	Amicat paddle boat.	Amicat pinnace.	Staff boat No. 11.	Staff boats Nos. 12, 15 & 18, at Rs. 190.	Staff boats Nos. 14, 16, 17, 19, 21 and 22, at Rs. 160.	Staff boat No. 20.	Dredge pinnace, Executive Engineer's pinnace, Superintendent Engineer's dingy boat, amicat paddle boat and 14 pinnaces.	Use of steamers by departmental officers, Kistna Eastern division.			
	16	17	18	19	20	21	22	23	24	25	26			
Docking and launching ..	15	15	24	6	5	15	15	10	10					
Painting ..	45	30	..	30	7	..	..	..	..					
Caulking ..	40	15	99	15	12	66	66	55	26					
Tarring ..	21	15	..	3	3	10	10	8	5					
Stokers ..	..	..	..	..	..	..	..	..	..					
Searing ..	..	..	..	..	..	..	..	..	..					
Lascars ..	4	24	8	4	..	21	21	21	21					
Ropes, etc. ..	5	5	5	5	2	12	12	10	12					
Sundry repairs ..	90	26	110	20	8	42	32	30	12					
Miscellaneous ..	..	..	..	..	..	..	..	..	..					
Centage and contingencies.	30	20	54	17	8	34	34	26	14					
Engine driver ..	..	..	..	..	..	..	..	..	..					
Total ..	250	150	300	100	45	200	190	160	100	185	500			

No. 1068 I., 15TH DECEMBER 1899.

No. 380 I.

Forwarded to the Chief Engineer for Irrigation.

4th November 1899.

(Signed) J. HANNAN,
Supg. Engineer, II Circle.

No. 239 I.

Note by the Chief Engineer for Irrigation.

The estimate of the cost of maintenance of the floating plant of the Kistna delta system submitted by the Superintending Engineer, II Circle, for the ensuing official year amounts to Rs. 33,500, or Rs. 8,500 less than that for the current year, the decrease being due to economies in repairs and to the omission of workshop centage. The estimate may be approved. The Superintending Engineer has applied for Rs. 32,000 on this account in his budget estimates for 1900-1901.

5th December 1899.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

ORDER—No. 1068 I., dated 15th December 1899.

The estimate of the cost of maintenance of the floating plant of the Kistna delta system is approved. Rs. 32,000 will be provided on this account in the budget estimates for Class I—Major Productive and Protective works, for 1900-1901.

2. The Superintending Engineer, II Circle, will report fully on the working of the new Cockburn's dredger, Nos. 2 and 3, and specify what steps are intended to be taken to make them work satisfactorily.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, II Circle.
" Examiner, Public Works Accounts.

Exd. T. K. Narayana Aiyangar.

His Excellency the Governor.

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

*Note recommending for approval
the estimate of the cost of maintaining
the floating plant of the Kistna Delta
System for the ensuing year*

From the Superintending Engineer, II Circle, No. 380 I., dated 4th
November 1899.

No 239 I of 5-12-99
Note by the Chief Engineer
for Irrigation.

The estimate of the cost of maintenance of the floating plant of the Kistna Delta system submitted by the Superintending Engineer, II Circle, for the ensuing official year amounts to Rs. 33,500 or Rs. 8,500 less than that for the current year, the decrease being due to economies in repairs, and to the omission of workshop centage. The estimate may be approved. The Superintending Engineer has applied for Rs. 32,000 on this account in his budget estimates for 1900-1901.

No: 1068 I of 15-12-99
ORDER thereon.

The estimate of the cost of maintenance of the floating plant of the Kistna Delta system is approved; Rs. 32,000 will be provided on this account in the budget estimates

estimates

LCU
8/12/99

17/12/99

9

*Engr
A. H.*

Isam.

Public Works (1899) Department.

CURRENT No. 10171

Order

From

The Chief Engineer
for Irrigation
No. 239-S.

Dated 5-12-99

Received
Registered 12-12-99

Enclosures 1-2

Spare copies.

SUBJECT.

Floating plant of the Kishna
Delta System - Estimate of
the Cost of maintaining the —
for the ensuing official year.
Recommended for approval
the —

estimates for Class I - Major

Productive and Protective Works,
for 1900-1901.

2. The Superintending Engineer,

II Circle, will report fully on
the working of the new Cockburn's
Dredger, Nos. 2 & 3, and specify
what steps are intended to be
taken to make them work satis-
factorily..

6.12.99 W.H.

H.A.H.
8.12.99

To
The Chief Engineer for Irrigation ✓
,, Supg: Engineer, II Circle. ✓
,, Examiner P.W. Accounts. ✓

Public Works (1899) Department.

CURRENT No. 241 ks.

From The Superintending Engineer
2^d Circle

Order

No. 380 I

Dated 4 November 1899

Received

Registered 7 — 50

Enclosures /

Spare copies

SUBJECT.

721
771



Second Circuit
Kistner Eastern Division

Statement of Irrigation
Floating Plant in the
Kistna District showing
the estimated cost of up-keep
for the year 1900 - 1901.

Kishna Eastern Division

Statement of Irrigation Floating Plant in the Kishna District showing the estimated cost of up-keep during the year 1900-1901.

2 Per

Register No.	Details of Plant.	Valuing Plant		Producible by cost of up-keep for 1900-1901.	Remarks.
		Original value	Present Book Value		
	Part I. Steamers and Steam Dredges.	Rs.	Rs.	Rs.	
1	Steamer Alexandra	14,125	336	750	
	Special Repairs.		387		
2	Steamer Wenlock.	30,533	30,533	1,500	
	Special Repairs.		100		
3	Steamer Hamlock	31,532	31,532	1,250	
	Special Repairs.		275		
	Total	76,190	63,163	3,500	
	Maintinanced Special Repairs.			3,500	
1	Dredge steam.	15,614	5,930	200	
	Special Repairs.			300	
2	Dredge steam.	15,614	6,106	400	In good order.
5	Dredge steam.	30,439	14,995	500	
1	Clock burn's Dredge.	7,333	2,998	500	In good order.
2	Clock burn's Dredge.	Completion report 300.		300	New but unsatisfactory in working in spite of slight alterations.
3	Clock burn's Dredge.	Not yet sent in.		300	
	Total	69,000	30,029	2,500	
1	Leveeing dam.	to 6 Iron-punt.	250		In good order.
		Converted.			
2	Leveeing dam.	Completion report 250.		250	do
3	Leveeing dam double.	not yet sent in.		500	do
	Total			1,000	
	Annual Maintinanced			3,200	
	Special Repairs.			300	
	Total			3,500	

Statement of Irrigation Floating Plant in the Huston District showing the estimated cost of up-keep during the year 1900-1901.

Original No.	Details of Plant.	Value of Plant		Probable Cost of up-keep 1900-1901	Remarks
		Original Value	Present book Value		
17	Circular trap Pump	1200	"	"	Out of use, in good order.
39	Iron Pump small	250	50	50	In good order.
40	Trap pump iron.	3652	727	150	
	Ancient paddle wheel	900	278	100	in bad order. Needs thorough repairs.
	Ancient pump	224	213	45	In good order.
	Sup Engine's Dringhy	265	253	20	— do —
	Drift of Binnae	300	240	60	— do —
	Excavator Engine's Binnae	162	130	25	— do —
	Ancient paddle wheel (new)	750	750	30	— do —
14	Binnae (newly constructed)	Completion report not yet sent in for all.		50	— do —
Total		7703	2641	530	
Annual Maintenance		"	"	530	
Special repairs		"	"	"	
44	Composite pump	2500	754	300	
	Special repairs	"	"	300	
45	Composite pump	2500	735	300	
	Special repairs	"	"	300	
46	Composite pump	2500	735	300	
	Special repairs	"	"	500	Inside ribs re-newing, mending the planks bottom
47	Composite pump	2288	373	300	In good order.
48	Composite pump	2287	958	300	
	Special repairs	"	"	100	Angle iron and gusset plates here & there to be re-newed.
49	Composite Pump	2287	585	300	
	Special repairs	"	"	200	
50	Composite Pump	2160	356	300	In good order.
51	Composite pump	2160	155	300	do
52	Composite pump	2160	296	300	do
53	Composite pump	2160	572	300	do
54	Composite pump	2055	911	300	do
Carried Over		25057	6120	4700	

Statement of Irrigation Floating Plant in the Huston District showing the estimated cost of up-keep during the year 1900-1901.

Details of Plant.	Value of Plant.		Probable cost of up-keep 1900-1901.	Remarks.
	Original value	Present book value		
Brought forward	25057	6120	4700.	
55 Composite Bunk.	1900.	49	300	In good order
56 Composite Bunk.	2013	138	300	— do —
57 Composite Bunk.	2075	38	300	— do —
Special Repairs	"	"	100.	Planks very weak.
58 Composite pump.	2085	126	300	In good order
59 Composite pump.	2156	435	300	— do —
60 Composite pump.	2064	305	300	— do —
61 Composite pump.	2168	301	300	— do —
62 Composite pump.	2169	337	300	
Special repairs	"	"	200.	
63 Composite pump.	2164	358	300	
Special repairs	"	"	100	Angled stringers.
64 Composite pump.	2266	361	300	In good order
65 Composite pump.	2238	72	300	— do —
66 Composite pump.	3000	1554	300.	dry rot, generally weak throughout.
Special repairs.	"	"	800	
67 Composite pump.	3000	1796	300	In good order.
68 Composite pump.	3000	498	300	Bottom angle iron
Special repairs.	"	"	300.	& deck very weak.
69 Composite pump.	2600	1484	300	In good order.
70 Composite pump.	2600	837	300	do
71 Composite pump	2600	904	300	
Special repairs.	"	"	200	
72 Composite pump.	2600	1528	300	In good order.
73 Composite pump.	2600	848	300	— do —
74 Composite pump.	2600	1317	300	— do —
75 Composite pump.	3811	170	300	— do —
76 Composite pump.	2553	942	300	— do —
Total	79319	20200	13000	
Annual Maintenance			9900	
Special Repairs.			3100.	

Statement of Irrigation Flooding Plant in the Kistna District showing the estimated Cost of up-keep during the year 1900-1901.

District	Details of Plant	Value of Plant		Probable Cost of up-keep for 1900-1901	Remarks
		Original Value	Present value		
	Part II. Boats and Punt.				
1	Iron punt. Special Repairs.	2812	859	200. 500.	Bilge plates gone & new gunwale bottom plates & deck very bad.
2	Iron Bunt.	2811	-125	200	In good order
3	Iron Bunt. Special Repairs.	2812	380	200 100	Estimated same - turned for current year and to be carried only next year.
4	Iron punt. Special repairs	2812	1720	200. 100	— do —
5	Iron punt. Special repairs	2812	250	200 100	— do —
7	Iron punt. Special repairs	2812	250	200 200	— do —
8	Iron punt.	2812	1115	200	
9	Iron punt. Special repairs	2812	1078	200 5527	— do —
10	Iron punt. Special repairs	2812	37.8	200 400.	
11	Iron Bunt. Special repairs	2811	978	200. 200	
12	Iron punt	2811	249	200	In good order
13	Iron punt	2811	2193	200	— do —
14	Iron punt Special repairs	2811	1257	200 200	— do —
15	Iron punt Special repairs	2811	605	200. 100	Bilge plates weak.
16	Iron Bunt.	3610	1166	200	In good order
18	Iron Bunt.	2186	1404	200.	
19	Iron Bunt.	2185	700	200	do
20	Iron Bunt. Special repairs	2172	1529	200 200.	Deck much worn.
		119515	15986	5800	

Statement of Irrigation Flooding plant in the Kistna District showing the estimated Cost of up-keep during the year 1900-1901.

District	Details of Plant	Value of plant.		Probable Cost of up-keep for 1900-1901.	Remarks
		Original value	Present value		
	Brought forward	49515	15986	5800	
21	Iron punt.	2172	744	200	In good order.
22	Iron punt.	2172	345	200	— do —
23	Iron punt.	3951	758	200	— do —
24	Iron punt.	2172	-45	200	— do —
25	Iron punt.	4091	-287	200	— do —
26	Iron punt.	2299	89	200	— do —
27	Iron punt.	5916	5	200	
28	Iron punt.	1584	326	200	
29	Iron punt.	1524	653	200	— do —
30	Iron punt. Special repairs	1524	-20	200. 300	Bottom & bilge weak
31	Iron punt.	2181	20	200	In good order
32	Iron punt.	1960	328	200	— do —
33	Iron punt.	1960	-66	200.	— do —
34	Iron punt.	1960	180	"	Condemned.
35	Iron punt.	400	120	200	
36	Iron punt.	400	119	200	
37	Iron punt.	250	75	200	
38	Iron punt.	1400	300	200	
41	Iron punt (lig)	4063	-10	250	In good order.
42	Iron punt (lig)	4171	498	250	
48	Iron punt (lig)	4242	-48	250.	
77	Iron punt	4430	3544	200	
78	Iron punt	4440	3532	200.	
	Total	108777	27166	10650.	
	Annual maintenance	"	"	8150	
	Special repairs	"	"	2500.	

Statement of Irrigation Floating Plant in the Huston District showing the estimated cost of up-keep during the year 1900-1901.

Registered No.	Details of Plant.	Valuing Plant.		Probable cost of up-keep for 1900-1901.	Remarks.
		Original value	Present book Value		
11	Staff Boat	1621	124	200	In good order
12	Staff Boat	1621	782	190	— do —
14	Staff boat	1355	566	160	— do —
15	Staff boat	1898	1413	190	— do —
16	Staff boat	1556	120	160	— do —
17	Staff boat	990	34	160	— do —
18	Staff boat	2486	1404	190	— do —
19	Staff boat	1815	1143	160	— do —
20	Staff boat	2271	1533	100	— do —
	Special repairs		155	"	
21	Staff boat	1721	1040	160	— do —
22	Staff boat	1140	1140	160	— do —
	Superintending Engineer's Camp				Should be considered; a bad boat
	Chief's boat				
Total		18474	9454	1830	
Annual Maintenance		"	"	1830	
Special repairs		"	"	"	

Abstract showing the comparison of details between the estimate and maintenance cost of Floating Plant in the Huston District for 1899-1900 and 1900-1901.

	Numbers		Original Value		Present book Value		Cost of up-keep	
	1900-1901	1899-1900	1900-1901	1899-1900	1900-1901	1899-1900	1900-1901	1899-1900
Boats	3	3	76190	14125	63163	1748	3500	4460
Dredges	6	6	69000	69000	30029	40378	2500	3252
Flouring Mills	3	3	Completion reports	not yet made			1000	1200
Composite Cuts	33	33	79319	81319	20200	27781	13000	14030
From pumps	41	41	108777	108777	27166	37259	10650	14985
Miscellaneous Plant	23	10	7703	5753	2641	2465	530	1000
Staff boats	11	11	18474	17334	9454	9602	1830	2330
Superintending Engineer's Camp	1	1	"	"	"	"	"	"
As per separate Estimate for probable expenses for the use of steamers	"	"	"	"	"	"	500	750
Handbook of Alexandria	"	"	"	"	"	"	"	"
Total	121	108	359463	296308	152653	119233	33510	42007
Annual Maintenance	"	"	"	"	"	"	27610	30707
Special Repairs	"	"	"	"	"	"	5900	11300
Total	"	"	"	"	"	"	33510	42007

5 Mr

Maintenance of Irrigation Floating Plant in the Krishna 1 mo

	Iron punt no 39 small	Iron punt no 40 at Rs 250 each	Seap Punt no 40.	Composite punt no 44 6-76 at Rs 300 each	Ancient paddle boat	Ancient Pinaces	Staff Boat no 11.	Staff boats nos 12, 15 & 18 at Rs 190.	Staff Boats nos 14, 16, 17, 19, 21 & 22 at Rs 160.	Staff Boat no 20.	Dredge Pinnace, Excavating engine & Pinaces Engg Engt's dinghy boat, Ancient Paddle boat and 16 Pinaces.	Used Steamers by Departmental Works Division Coastguard Division
15	16	17	18	19	20	21	22	23	24	25	26	27
3	3	3	3	2	2	2	3	3	2			
8	15	15	24	6	5	15	15	10	10			
14	45	30	"	30	7	"	"	"	"			
"	40	15	99	15	12	66	66	55	26.			
6	21	15	"	3	3	10	10	8	5			
"	"	"	"	"	"	"	"	"	"			
"	"	"	"	"	"	"	"	"	"			
4	4	24	8	4	"	21	21	21	21			
4	5	5	5	5	2	12	12	10	12			
5	90	26	110	20	8	42	32	30	12			
"	"	"	"	"	"	"	"	"	"			
9	30	20	54	17	8	34	34	26	14.			
"	"	"	"	"	"	"	"	"	"			
50	250	150	300	100	45	200	190	160	100	185	500.	

Lump Sum

Leung Sun.

Accountant

16/10/99

Wm. H. W. W.
71/9
Executive Engineer
District Easton D.C.

From J. S. Wilson Esquire Executive Engineer Eastern Division to the Superintending Engineer II Circle dated 26th October 1899 N^o 51152.

I have the honour to forward herewith the annual floating plank statement of this Delta showing programme of repairs for 1900-1901.

2. The amounts required to execute the programme are Rs 27,610 for annual maintenance and Rs 5900 for special repairs.

3. The total estimated annual repairs are 33500 or 8500 less than the last year. This saving is owing to economies in repairs and to the omission of Workshop centage.

4. Against the above requirement of Rs 33500, a sum of Rs 24900 only has been applied for in the budget and the balance will be applied for later in the year, as the works proceed.

Enc: 1

N^o 380 I dated 24 November 1899.

Forwarded to the Chief Engineer for Irrigation.

Handed
Superintending Engineer
II Circle.

3/11/99

Recd
P.W. 10/17/99

8R26KS

CHIEF
FOR INNOVATION
NOV 18 1999
241KS

2/22/99
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