

Public Works (1898) Department.

✓ G.O., No. 81 L.

DATED 20 Jan^y 1898

11/2/98

[Despatch Abstract.]

Floating plank of the Kistna Delta system;
Estimate of the cost of maintaining the —
approved, with remarks.

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Government {1898} of Madras.
PUBLIC WORKS.

Regd.

} 1898.

Spare copies

G.O., No. 81 I., 28th January 1898.

JANUARY.

Floating Plant of the Kistna Delta System

Estimate of the cost of maintaining the —, approved, with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From Captain W. M. ELLIS, R.E., Executive Engineer, Kistna Northern division, to the Superintending Engineer, II Circle, dated 6th November 1897, No. 511 S.E.

I have the honour to forward, herewith, the annual floating plant statement, Kistna delta, showing the forecast for the repairs and allotments required for next year.

2. The annual repairs are estimated at Rs. 38,500, being Rs. 4,165 more than last year. The excess is owing to the actual increase of plant by two Kingston's scouring dams—one being a double one mounted on two punts and by two iron punts completed this year and the prospective increase of plant by two stern wheel steamers now under construction at Kidderpore docks and two Cockburn dredgers the punts for which are now under construction in our own workshops. All these will, it is anticipated, be ready for work next season.

3. The crews proposed for the stern wheel steamers are—

1 Syrang on	Rs. 30	1 Engine driver on	Rs. 30
1 Deck lascar on	15	2 Stokers, each on	12
2 Deck lascars on	11		

It is anticipated that for six months of the year the receipts from works will maintain the steamer for the river conservancy work below the anicut and for four months the steamer for towing above the anicut. Provision for the pay of crews for six and eight months, respectively, at above rates has therefore been made.

4. No. 1 scouring dam has been for some years mounted on No. 6 punt which has thus been converted into a scouring dam. The punt is now accounted for as No. 1 scouring dam and omitted from the list of punts.

5. No. 1 dredge is old and requires a new boiler and extensive repairs to machi- nery before being of use. I believe we will have enough dredging plant without her when the two new Cockburn's dredges are available and do not propose to repair her unless the necessity for so doing becomes apparent. Bare maintenance only is therefore provided for in the case of this dredger.

6. As in the last two years, special repairs have been provided for in lump sums to be allocated to the works most urgently required when the boats come in for repairs. The sum asked for is Rs. 8,600.

7. A revaluation on the usual system of the items of plant against which *minus* or small values are shown will be submitted in the ordinary course.

ENCLOSURES.

STATEMENT of Irrigation Floating Plant in the Kistna District showing the Estimated Cost of Upkeep during the year 1898-99.

Register number.	Details of plant.			Value of plant.		Probable cost of upkeep for 1898-99.	Remarks.
				Original value.	Present book value.		
Part I.—Steamers and Steam Dredges.							
1	Steamer <i>Alexandra</i>	..	..	RS. 14,125	RS. 1,535	RS. 760	Small hand pump required to supplement injector to boiler. Some new tubes required to latter.
	Special repairs	..	..	..	625	..	
2	Stern wheel steamer	..	..	{ Steamer not yet received.	{ ..	1,268	
3	Do.	do.	..	..	..	1,026	
				14,125	2,160	3,054	
	Maintenance	..	..	..	..	3,054	
	Special repairs	..	..	..	..	800	
				..	..	3,854	
1	Dredge steam	..	..	15,614	— 213	152	The dredge requires a new boiler and extensive repairs with the two new Cockburn dredges. She will probably not be required. It is not proposed to repair her next year. Old, but in good working order. Boiler will not last much longer.
	Special repairs	..	..	..	..	..	
2	Dredge steam	..	..	15,614	— 213	630	
	Special repairs	..	..	..	76	..	Good working order. Boiler requires some fresh tubes.
5	Dredge steam	..	..	30,439	— 197	870	
	Special repairs	..	..	..	487	..	
1	Cockburn's dredge	..	..	7,333	3,551	450	Good working order.
	Special repairs	..	..	..	1,146	..	
2	Cockburn's dredge	..	..	{ Being mounted	{ ..	450	
3	Do.	..	..	..	..	450	
				69,000	4,637	3,002	
1	Scouring dam	..	..	..	..	300	Good order.
2	Do.	..	..	{ Not yet completed.	{ ..	200	
3	Do.	..	..	..	..	350	
				..	..	850	
	Annual maintenance	..	..	..	..	3,852	
	Special repairs	..	..	..	..	1,000	
	Total	..	..	..	..	4,852	
Part II.—Boats and Punts.							
1	Iron punt	..	..	2,812	1,167	245	In fair working order; but bottom plates iron, are weak; requires renewal.
	Special repairs	..	..	..	254	..	
2	Iron punt	..	..	2,811	219	245	Under repairs; work stopped for want of funds.
	Special repairs	..	..	..	218	..	
3	Iron punt	..	..	2,812	942	245	In fair working order.
	Special repairs	..	..	..	..	..	
4	Iron punt	..	..	2,812	2,032	245	In fair working order. Bldges will require renewal.
	Special repairs	..	..	..	..	..	
5	Iron punt	..	..	2,812	— 113	245	In good working order.
	Special repairs	..	..	..	..	..	
7	Iron punt	..	..	2,812	— 16	245	In good working order.
	Special repairs	..	..	..	..	..	
8	Iron punt	..	..	2,812	1,264	245	Hull weak; will require extensive repairs.
	Special repairs	..	..	..	413	..	
9	Iron punt	..	..	2,812	1,286	245	In good order.
	Special repairs	..	..	..	354	..	
10	Iron punt	..	..	2,812	— 255	245	Hull weak; will require extensive repairs.
	Special repairs	..	..	..	128	..	
11	Iron punt	..	..	2,811	1,167	245	In good order.
	Special repairs	..	..	..	373	..	
12	Iron punt	..	..	2,811	— 6	245	Hull weak.
	Special repairs	..	..	..	..	..	
13	Iron punt	..	..	2,811	1,749	245	Hull weak.
	Special repairs	..	..	..	406	..	
14	Iron punt	..	..	2,811	1,219	245	In good order.
	Do.	..	..	2,811	1,167	245	
15	Special repairs	..	..	..	..	..	In good order.
16	Iron punt	..	..	3,610	1,888	170	
18	Do.	..	..	2,186	819	245	
	Special repairs	..	..	..	421	..	Do.

No. 81 I., 28TH JANUARY 1898.

Statement of Irrigation Floating Plant in the Kistna District, &c.—cont.

Floating Plant in the Kistna District, &c.—cont.						
Register number.	Details of plant.		Value of plant.		Probable cost of upkeep for 1898-99.	Remarks.
			Original value.	Present book value.		
Part II.—Boats and Punts—cont.						
19	Iron punt ..	..	RS. 2,185	RS. 782	245	In good order.
20	Special repairs ..	..	..	354	..	
21	Iron punt ..	..	2,172	522	245	In good order.
22	Special repairs ..	..	..	1,441	..	
23	Iron punt ..	..	2,172	856	245	In good order.
24	Special repairs ..	..	..	322	..	
25	Iron punt ..	..	2,172	779	245	In good order.
26	Special repairs ..	..	..	1,443	..	
27	Iron punt ..	..	3,951	105	245	In good order.
28	Do. ..	..	2,172	6	..	
29	Do. ..	..	4,091	122	245	In good order.
30	Special repairs ..	..	2,299	120	245	
31	Iron punt ..	..	5,916	249	..	Will require extensive repairs.
32	Special repairs ..	..	..	1,186	245	
33	Iron punt ..	..	1,584	642	190	In working order now, but will require very extensive repairs.
34	Special repairs ..	..	..	948	190	
35	Iron punt ..	..	1,524	9	..	In good order.
36	Do. ..	..	1,524	132	190	
37	Special repairs ..	..	2,181	1	190	In fair working order.
38	Iron punt ..	..	..	275	..	
39	Do. ..	..	1,960	720	190	In fair working order.
40	Do. ..	..	1,960	326	190	
41	Do. ..	..	1,960	572	..	Condemned and sale sanctioned in G.O., No. 740 I., dated 10th August 1897.
42	Do. ..	..	400	61	190	
43	Special repairs ..	..	400	199	190	In working order now, but hull weak.
44	Iron punt ..	..	250	125	190	
45	Do. ..	..	1,490	580	190	In good order.
46	Special repairs ..	..	..	650	265	
47	Iron punt ..	..	4,063	152	265	In good order.
48	Special repairs ..	..	..	1,110	265	
49	Iron punt ..	..	4,171	222	..	Under repairs; work stopped for want of funds.
50	Do. ..	..	4,242	800	265	
77	Iron punt ..	..	4,430	4,430	245	} These are new boats and are in perfect order.
78	Do. ..	..	4,440	4,440	245	
			1,08,777	41,523	9,235	
	Maintenance ..	..	..	..	9,235	
	Special repairs ..	..	..	..	3,800	
			..	..	13,035	
17	Circular trap punt ..	..	1,200	1,222	170	This boat should be converted into stone-carrying punts.
39	Iron punt, small ..	..	250	64	50	
40	Trap punt, iron ..	..	3,652	1,457	220	It is proposed to convert this to a Delta Superintendent's boat. She is useless at present.
	Anicut paddle boat ..	..	900	60	150	
	Special repairs ..	..	..	298	..	In good order.
	Anicut pinnacle ..	..	224	137	55	
	Special repairs ..	..	..	120	..	In good order.
	Superintending dinghy. Engineer's ..	..	265	265	100	
	Dredge pinnacle ..	..	300	300	100	} In working order.
	Executive Engineer's pinnacle ..	..	162	162	100	
			6,953	4,085	945	
	Maintenance ..	..	..	..	945	
	Special repairs ..	..	..	..	..	
			..	..	945	
44	Composite punt ..	..	2,500	1,254	300	In good working order.
45	Special repairs ..	..	..	..	..	
	Composite punt ..	..	2,500	1,203	300	In good working order.
	Special repairs ..	..	..	32	..	

No. 81 I., 28TH JANUARY 1898.

Statement of Irrigation Floating Plant in the Kistna District, &c.—cont.

Register number.	Details of plant.		Value of plant.		Probable cost of upkeep for 1898-99.	Remarks.
			Original value.	Present book value.		
Part II.—Boats and Punts—cont.						
46	Composite punt	.. ..	Rs. 2,500	Rs. 950	Rs. 300	These boats will require extensive repairs.
47	Special repairs	.. ..	.. ..	285	.. ..	
48	Composite punt	.. ..	2,288	71	300	In working order.
49	Special repairs	.. ..	2,287	1,364	300	
50	Composite punt	.. ..	2,287	671	300	In working order.
51	Special repairs	.. ..	.. ..	371	.. ..	
52	Composite punt	.. ..	2,160	47	300	These boats are in working order, but will require extensive repairs.
53	Special repairs	.. ..	.. ..	60	.. ..	
54	Composite punt	.. ..	2,160	265	300	In good working order.
55	Special repairs	.. ..	.. ..	12	.. ..	
56	Composite punt	.. ..	2,160	46	300	Require extensive repairs.
57	Special repairs	.. ..	.. ..	.. ..	.. ..	
58	Composite punt	.. ..	2,160	944	300	In good working order.
59	Special repairs	.. ..	.. ..	60	.. ..	
60	Composite punt	.. ..	2,055	795	300	Will require extensive repairs.
61	Special repairs	.. ..	.. ..	492	.. ..	
62	Composite punt	.. ..	1,900	141	300	In good working order.
63	Do.	.. ..	2,013	317	300	
64	Special repairs	.. ..	.. ..	223	.. ..	Will require extensive repairs.
65	Composite punt	.. ..	4,075	319	300	
66	Special repairs	.. ..	.. ..	50	.. ..	In good working order.
67	Composite punt	.. ..	2,085	310	300	
68	Do.	.. ..	2,156	113	300	Will require extensive repairs.
69	Special repairs	.. ..	.. ..	140	.. ..	
70	Composite punt	.. ..	2,064	18	300	In good working order.
71	Do.	.. ..	2,168	61	300	
72	Do.	.. ..	2,169	58	300	These are now in working order, but will require extensive repairs.
73	Special repairs	.. ..	.. ..	.. ..	.. ..	
74	Composite punt	.. ..	2,164	34	300	In good working order.
75	Special repairs	.. ..	.. ..	59	.. ..	
76	Composite punt	.. ..	2,266	15	300	In good working order.
77	Do.	.. ..	2,238	376	300	
78	Do.	.. ..	3,000	1,332	330	These are now in working order, but will require extensive repairs.
79	Special repairs	.. ..	.. ..	822	.. ..	
80	Composite punt	.. ..	3,000	1,458	330	In good working order.
81	Special repairs	.. ..	.. ..	904	.. ..	
82	Composite punt	.. ..	3,000	238	330	In good working order.
83	Special repairs	.. ..	.. ..	860	.. ..	
84	Composite punt	.. ..	2,600	53	330	In good working order.
85	Special repairs	.. ..	.. ..	924	.. ..	
86	Composite punt	.. ..	2,600	901	330	Under repairs; work stopped for want of funds.
87	Special repairs	.. ..	.. ..	456	.. ..	
88	Composite punt	.. ..	2,600	1,340	330	Will require extensive repairs.
89	Special repairs	.. ..	.. ..	29	.. ..	
90	Composite punt	.. ..	2,600	1,340	330	Will require extensive repairs.
91	Special repairs	.. ..	.. ..	378	.. ..	
92	Composite punt	.. ..	2,600	Nil	330	In good working order.
93	Special repairs	.. ..	.. ..	288	.. ..	
94	Composite punt	.. ..	2,600	36	330	In good working order.
95	Special repairs	.. ..	.. ..	757	.. ..	
96	Composite punt	.. ..	3,811	343	330	In good working order.
97	Special repairs	.. ..	.. ..	589	.. ..	
98	Composite punt	.. ..	2,553	11	330	In good working order.
99	Special repairs	.. ..	.. ..	410	.. ..	
Total ..			79,319	23,823	10,230	
Maintenance ..			.. ..	.. ..	10,230	
Special repairs			.. ..	.. ..	2,500	
Total ..			.. ..	.. ..	12,730	
11	Staff boat	.. ..	1,621	7	190	In good working order.
12	Special repairs	.. ..	.. ..	97	.. ..	In good working order.
13	Staff boat	.. ..	1,621	965	190	
14	Special repairs	.. ..	.. ..	87	.. ..	In good working order.
15	Staff boat	.. ..	1,355	492	160	
16	Special repairs	.. ..	.. ..	300	.. ..	In good working order.
17	Staff boat	.. ..	1,898	562	190	
18	Special repairs	.. ..	.. ..	1,167	.. ..	Will require special repairs.
19	Staff boat	.. ..	1,556	175	160	
20	Special repairs	.. ..	.. ..	155	.. ..	In good order.
21	Staff boat	.. ..	990	198	160	
22	Do.	.. ..	2,486	1,533	190	In good order.
23	Special repairs	.. ..	.. ..	260	.. ..	

No. 81 I., 28TH JANUARY 1898.

Statement of Irrigation Floating Plant in the Kistna District &c.—cont.

of Irrigation Floating Plant in the Kistna District &c.—cont.					
Register number.	Details of plant.	Value of plant.		Probable cost of upkeep for 1898-99.	Remarks.
		Original value.	Present book value.		
Part II.—Boats and Punt.—cont.					
19	Staff boat	rs.	rs.	rs.	In good order.
	Special repairs	1,815	1,362	160	
20	Staff boat	..	33	..	In good order.
	Special repairs	2,271	1,704	190	
21	Staff boat	..	57	..	In good order.
	Special repairs	1,721	1,292	160	
	Superintending Engineer's Camp clerk's boat.	..	34	..	
		359	405	90	
		17,693	10,885	1,840	
	Maintenance	..	..	..	
	Special repairs	..	..	1,840	
		..	..	500	
	Total	..	..	2,340	

ABSTRACT showing the Comparison of Details between the Estimated Maintenance Cost of Floating Plant in Kistna District for 1897-98 and 1898-99.

	Numbers.		Original values.		Present book values.		Cost of upkeep.		Lump sum for special repairs, 1898-99.
	1898-99.	1897-98.	1898-99.	1897-98.	1898-99.	1897-98.	1898-99.	1897-98.	
Steamers *	3	1	rs. 14,125	rs. 14,125	rs. 2,160	rs. 2,947	rs. 3,054	rs. 1,810	rs. 800
Dredges *	6	4	69,000	69,000	4,637	..	..	1,930	..
Scouring dams ..	3	1	..	..	..	..	..	..	..
Composite punts ..	33	33	79,319	79,319	28,823	19,027	10,230	13,730	1,000
Iron punts ..	41	39	1,08,777	99,907	41,523	31,309	9,235	14,380	2,500
Miscellaneous plant ..	8	5	6,953	6,226	4,085	3,472	945	645	3,800
Staff boats ..	11	11	17,693	17,693	10,885	9,620	1,840	1,840	500
Add as per separate estimate for probable expenses for use of steamer <i>Alexandra</i> by Departmental officers.	..	..	..	..	..	..	750	..	..
Maintenance ..	105	94	2,95,867	2,86,270	87,113	79,653	29,906	34,335	8,600
Special repairs ..	..	..	..	..	..	..	29,900	..	..
Total ..	..	..	..	..	..	..	8,600	..	..
							38,500	..	..

* Two steamers and two dredgers not included in valuation of plant.

No. 81 I., 28TH JANUARY 1898.

DETAIL approximate estimate of the annual cost of maintenance of Irrigation Floating Plant in Kistna district during the official year 1898-99.

	Steamer <i>Alexandra</i> .	No. 1 stern wheel steamer.	No. 2 stern wheel steamer.	No. 1 dredge.	No. 2 dredge.	No. 3 dredge.	Scouring dam No. 1.	Scouring dam No. 2.	Scouring dam No. 3.	Cockburn's dredges Nos. 1, 2 and 3 at Rs. 450 each.	Iron punts Nos. 18 to 27, 77 and 78 at Rs. 245 each.	Iron punt No. 16.	Iron punt No. 17 Circular trap punt.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Docking and launching ..	rs. 30	rs. ..	rs. ..	rs. ..	rs. 16	rs. 16	rs. 15	rs. ..	rs. ..	rs. 16	rs. 15	rs. 8	rs. 15
Painting ..	84	..	..	..	42	70	32	..	..	32	32	23	49
Caulking ..	28	..	..	72	22	90	38	..	..	33	38	25	20
Tarring ..	..	..	..	..	33	25	16	..	..	16	16	11	21
Stokers ..	..	192	144	..	..	..	..	..	..	..	..	..	..
Serang ..	75	240	180	..	53	53	..	..	..	..	..	..	..
Lascars ..	107	296	222	80	80	90	4	..	..	..	..	..	..
Ropes, &c. ..	15	100	100	..	8	8	..	..	..	64	4	4	8
Sundry repairs ..	200	200	200	..	282	389	94	200	350	218	94	65	23
Miscellaneous ..	50	..	..	..	14	14	..	..	..	13	41	..	..
Centage and contingencies.	135	..	..	..	80	115	41	..	..	50	..	29	29
Engine driver ..	..	240	180	..	..	..	..	..	..	..	..	..	..
Total ..	760	1,268	1,026	152	630	870	300	200	350	450	245	170	170

	Iron punts Nos. 28 to 33 and 35 to 38 at Rs. 190 each.	Iron punt No. 39, small.	Trap punt No. 40.	Iron punts Nos. 41 to 43 at Rs. 265 each.	Composite punts Nos. 44 to 65 at Rs. 300 each.	Composite punts Nos. 66 to 76 at Rs. 330 each.	Anticut paddle boat.	Anticut pinnace.	Superintending Engineer's camp clerk's boat.	Staff boats Nos. 11, 12, 16, 18 and 20 at Rs. 190 each.	Staff boats Nos. 1, 14, 17, 19 and 21 at Rs. 160 each.	Dredge pinnace, Executive Engineer's pinnace, Superintendent Engineer's dinghy boat at Rs. 100 each.	Use of steamers by Department officers, Kistna Northern division.
15	16	17	18	19	20	21	22	23	24	25	26	27	27
Docking and launching ..	rs. 15	rs. 8	rs. 15	rs. 15	rs. 24	rs. 24	rs. 6	rs. 5	rs. 4	rs. 15	rs. 10	..	..
Painting ..	28	14	47	45	..	33	9	..	..	..	..	..	..
Caulking ..	22	..	25	40	99	107	28	14	21	66	55	..	..
Tarring ..	10	6	20	21	..	3	3	6	10	8	..	..	..
Stokers ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Serang ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lascars ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ropes, &c. ..	4	4	24	4	8	8	4	..	8	21	21	..	..
Sundry repairs ..	5	4	5	5	5	5	2	6	12	10	10	..	..
Miscellaneous ..	73	5	46	90	110	129	44	12	28	32	30	..	..
Centage and contingencies.	33	9	38	45	54	57	27	10	17	34	26	..	..
Engine driver ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	190	50	220	265	300	330	150	55	90	190	160	300	750

No. 2276 K.N.

Forwarded to the Chief Engineer for Irrigation.

2. A statement showing the revaluation for the items against which *minus* entries are shown in the statement will be forwarded shortly.

18th November 1897.

(Signed) W. C. DEMORGAN,
Supg. Engineer, II Circle.

To the Superintending Engineer, II Circle, dated 25th November 1897, No. II/195 K.S.
From the " " " " 1st January 1898, No. 2655 K.N.

No. 81 I., 28TH JANUARY 1898.

No. 12 I.

Note by the Chief Engineer for Irrigation.

The accompanying statements submitted by the Superintending Engineer, II Circle, show the cost of maintenance of the floating plant of the Kistna delta system for the ensuing official year. The estimate for 1898-99 amounts to Rs. 38,500, or Rs. 4,165 more than the current year's estimate, owing to the increase of plant in the delta for the upkeep of which provision has now been made. The estimate may be approved.

2. The submission of the statement of the revaluation of the plant referred to by the Superintending Engineer, should be expedited.

15th January 1898.

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

ORDER—No. 81 I., dated 28th January 1898.

The estimate of the cost of maintaining the floating plant of the Kistna delta system is approved; Rs. 38,500 will be provided on this account in the budget estimates for "Major works" for 1898-99.

2. The attention of the Superintending Engineer, II Circle, is drawn to paragraph 2 of the foregoing note.

(True Extract.)

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

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

Exd. Shaik Karim.

His Excellency the Governor.

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Super. Engineer, Second Circle. (H.E. No. 2276-K.N. dated 18.11.97).

To *do do do* (H.E. No. 195-K.S. dated 25-11-97).

From *do do do* (H.E. No. 2655-K.N. dated 1-1-98).

No 12. Idy 15-1-98

Note by the Chief Engineer for Irrigation.

The accompanying statements submitted by the Super. Engineer, Second Circle, show the cost of maintenance of the floating plant of the Kistna delta system for the ensuing official year. The estimate for 1898-99 amounts to Rs. 38,500, or Rs. 4,165 more than the current year's estimate, owing to the increase of plant in the delta for the upkeep of which provision has now been made. The estimate may be approved.

2. *The submission of the statement of the revaluation of the plant referred to by the Super. Engineer, should be expedited.*

Order thereon.

*x flagged 4**Is one**W.H.**19.1.98**19/1/98*

Public Works (189) Department.

CURRENT No. 534

819

Order

From The Chief Engineer for Irrigation

No. 129

Dated 15-1-98.

Received 20th January 1898

Enclosures 4

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SUBJECT.

Floating plant of the Kistna Delta ancient system - Estimate of cost of maintaining the - for 1898-99. Note recommending for approval the -.

Order thereon. No 819 28.1.98

The estimate of the cost of maintaining the floating plant of the Kistna Delta system is approved; Rs 38,500 will be provided on this account in the budget estimates for "Major Works" for 1898-99.

2. The attention of the Supy Engr, 2nd Civil, is drawn to para 2 of the foregoing note.

JH 14/1/98

W.H 15-1-98

To The Chief Engineer for Irrigation.
Supy. Engineer, Second Circle.
Examiner, P.W. Acct.

Noted
K.D.
31-1-98

No.	Date.

No.	Date.

CURRENT No. 278

From *The Superintending Engineer*
II *Circle*

No. 2655 K.V

Dated 1 January 1898

Received 24th do

Registered 4 - d -

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SUBJECT.

Floating Plant
Statement.

Returning the - with
the required information.

Feb

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4/1/88

Index 1198

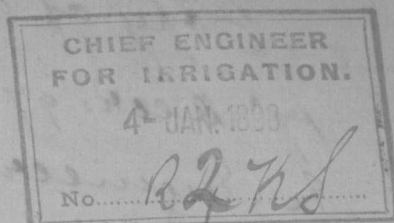
With reference to your endorsement N^o 2492 K. A. dated 6th Decr '97, I have the honor to resubmit herewith the statement of floating plant with the remarks columns duly filled in as therein directed.

No. 2655 K.V.
1. 1. 98

Suptg: Engineer's office
II circle
Beywada 1. 1. 98

Forwarded to the Chief
Engineer for Irrigation with
reference to his Lt: $\frac{H}{195}$ K.S.
dated 25 November 1897.

Wm. M.
Executive Engineer
for Suptg. Engineer
23/12/57 11 circle.



Public Works (1897) Department.

IRRIGATION BRANCH.

ISSUE No. 195^{II}KS.

To

The *Supg Engineer*
2nd Circle

(Reply to letter No. , dated)

Dated 25th 11-97
Despatched 26-11-97
Enclosures * 1 - 8th Circle

* Particulars of Enclosures.

1 Floating Plant Stock
Res with R No 35844/97

SUBJECT.

Statement of floating plant
Kishia Delta - Returns the
with a request that it may
resubmitted after the remarks
Column being filed in. as we
within

Indexed

*10.24
534/98*

BACK PAPERS.

No. Date.

FURTHER PAPERS.

No.

E. I. Form No. 13-2,000-23-2-97.

BACK PAPERS.

No.	Date.
R358K8	18-11-97

Sent to Government with No. I.,
dated 1897.
Printed with G.O., No. I.,
dated 189 .

REMINDERS ISSUED.

No. 1, dated 189 .
" 2 "
" 3 "
" 4 "
" 5 "

KEEP-WITHS

FURTHER PAPERS.

No.	Date.
R2K5	1-1-98

4
Memo No 195K8 4/25-11-97
The undersigned
has the honor to
return herewith the
statement of floating
plant forwarded
with endorsement,
No. 2276 K.k. of 18th
Nov 197. of the Subc.
Engr. R. C. Smith, with
a request that it
may be resubmitted
with the remarks
column duly filled
in with entries
similar to those
made in the stat
ment for the current
year printed in
July No 146 I, 97
11 Feb 197.

JH
25/4
97.

To the Subc Engr
R. C. Smith
10/18/25/11/97

No.

Date.

No.

Public Works (1897) Department.

CURRENT No. 358 K.S.

From

The Survey Engineer,
2nd Circle.

Order

No. 2276 K.N.

Dated 18 November 1897

Received 20 — 11 — 97

Registered

Enclosures /

Spare copies

SUBJECT.

Planting Plant State
- ment for 98-99 - Submittal

10.53
534/98

1008
20/11/97

1	Steamer "Alexandra"	14,125	1,535	760	Since had pump & inj. to supplement & inject a boiler Some new tubes, repairs & other
	Special repairs	625	625		
2	Steam wheel steamer not yet			1,268	
				1,026	

1	Dredge steam	15,614	- 213	152	With the same but he repairs - It is not proposed to year -
2	Special repairs			630	Old hole in food valve in order Boiler like hot East much longer -
	Dredge steam	15,614	- 213		
	Special repairs		76	"	
5	Dredge steam	30,439	- 197	870	Food looking order. Boiler begins same Good tubes

1	Special repairs	7,333	487	450	Food looking order -
2	Lock burn's dredge		3,551	450	
3	Special repairs		1,146		
	Lock burn's dredge	Being mounted		450	
1	Scouring steam	69,000	4,637	3,002	
2	Do				
3	Do				
				850	
				1,825	
				1,000	

No.	Description	Quantity	Unit Price	Total	Remarks
8	Special repairs Iron front	2,812	1,264	245	Hull weak, will require extensive repairs.
9	Special repairs Iron front	2,812	1,286	245	In good order.
10	Special repairs Iron front	2,812	1,286	245	Hull weak, will require extensive repairs.
11	Special repairs Iron front	2,811	1,167	245	In good order.
12	Special repairs Iron front	2,811	373	245	Hull weak.
13	Special repairs Iron front	2,811	1,749	245	Hull weak.
14	Special repairs Iron front	2,811	1,219	245	In good order.
15	Special repairs Iron front	2,811	1,167	245	Do
16	Special repairs Iron front	3,610	1,888	170	Do

No.	Description	Quantity	Unit Price	Total	Remarks
8	Special repairs Iron front	2,812	1,264	245	Hull weak, will require extensive repairs.
9	Special repairs Iron front	2,812	1,286	245	In good order.
10	Special repairs Iron front	2,812	1,286	245	Hull weak, will require extensive repairs.
11	Special repairs Iron front	2,811	1,167	245	In good order.
12	Special repairs Iron front	2,811	373	245	Hull weak.
13	Special repairs Iron front	2,811	1,749	245	Hull weak.
14	Special repairs Iron front	2,811	1,219	245	In good order.
15	Special repairs Iron front	2,811	1,167	245	Do
16	Special repairs Iron front	3,610	1,888	170	Do

18	Brought forward	42972	15856	3800	In good order.
	Iron front	2,186	819	245	
19	Special repairs		421		
	Iron front	2,185	782	245	
	Special repairs		354		
20	Iron front	2,172	522	245	
	Special repairs		1441		
21	Iron front	2,172	856	245	
	Special repairs		322		
22	Iron front	2,172	779	245	
	Special repairs				
23	Iron front	3,951	1643	245	
	Special repairs		105		
24	Iron front	2,172	-6	245	
	Special repairs		122		
25	Iron front	4,091	1308	245	
	Special repairs		-120		
26	Iron front	2,299	249	245	
	Special repairs		1,186		
27	Iron front	5,916		245	
7	Iron front				Will require extensive repairs

28	Special repairs	1,584	642	190	In working order and but will require extensive repairs.
29	Iron front	1,524	948	190	In good order
	Special repairs		9		In fair working order
30	Iron front	1,524	132	190	
31	Iron front	2,181	-1	190	
	Special repairs		215		In fair working order
32	Iron front	1,960	722	190	
33	Iron front	1,960	326	190	
34	Iron front	1,960	572		Condemned and sold in G.O. No 1401 at 10.8.97.
35	Iron front	400	61	190	In good order
36	Iron front	400	199	190	In working order and but hull and deck
	Special repairs		125		In good order
37	Iron front	250	580	190	In working order but hull and deck
38	Iron front	1,400			
	Special repairs		29719	7950	
	Cassid Orr	87431			

Brought forward 87431

29719

7950

In good order
In good order

Iron front

47063

650

265

Special repairs

47063

152

265

Iron front

47111

1110

265

Special repairs

47242

800

265

Iron front

47430

14430

245

Iron front

47440

14440

245

Iron front

108777

41523

9235

Special repairs

108777

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Special repairs

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41523

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Iron front

108777

41523

9235

17

Circular Trap front

1200

1222

170

18

Iron front Small

250

64

50

39

Trap front Iron

3652

1457

220

40

Anticut Paddle boat

900

60

150

41

Special repairs

224

137

55

42

Anticut Paddle

224

137

55

43

Special repairs

224

137

55

44

Supptg Eng'rs dinghy

224

120

100

45

Loadge Plumber

300

300

100

46

Eng'rs Pumps

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Eng'rs Pumps

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Eng'rs Pumps

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Hide boats should be computed in 60
Stone Carrying boats
This is for the 60 boats in the House Boat
in good order

Do

Do

In working order

10

B 11th March 1941 99419 4050

In good order

Ucin tenance

Special repairs

11

945

In good working order

In good working order

These boats will require extensive repairs

In working order

In working order

These boats are in working order but will require extensive repairs

In good working order

Require extensive repairs

12

Composite punt

Special repairs

Composite punt

Special repairs

Composite punt

Special repairs

Composite punt

Special repairs

Composite punt

Special repairs

Composite punt

Special repairs

Composite punt

Special repairs

Composite punt

Special repairs

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Special repairs

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Special repairs

Composite punt

Special repairs

Carried Over

57	Brought forward Composite fruit	28970 25657	28975	9511 8808	3900 3900 300	in good working order
	Special repairs			319		
58	Composite fruit	2,085		50	300	
59	Composite fruit	2,156		310	300	
	Special repairs			113		
60	Composite fruit	2,064		140	300	
61	Composite fruit	2,168		183	300	
62	Composite fruit	2,169		58	300	
	Special repairs					
63	Composite fruit	2,164		34	300	
	Special repairs			59	300	
64	Composite fruit	2,266		16	300	
65	Composite fruit	2,238		376	300	
66	Composite fruit	3,000		1,332	300	
	Special repairs			822	200	
67	Composite fruit	3,000		1,458	330	
	Special repairs			904	200	

These are now in working order but will require extensive repairs.

Special repairs

68	Composite fruit	3,000	238	330		
	Special repairs		860	330		
69	Composite fruit	2,600	53	330		
	Special repairs		924	330		
70	Composite fruit	2,600	901	330		
	Special repairs		456	330		
71	Composite fruit	2,600	1340	330		
	Special repairs		29	330		
72	Composite fruit	2,600	1340	330		
	Special repairs		378	330		
73	Composite fruit	2,600	41	330		
	Special repairs		288	330		
74	Composite fruit	2,600	53256	330		
	Special repairs		751	330		
75	Composite fruit	3,811	343	330		
	Special repairs		589	330		
	Carried Over	76766	23402	9900		

in good working order

under repairs, work stopped for want of funds.

Will require extensive repairs.

in good working order

Brought forward -
In good working order

57	76	Brought forward - Composite print	76766 2,553	23402 11 220	9900 330
58		Special repairs	2,811	41043	
59		Special repairs	1,212	1928	
60		Special repairs	79,819	23,823	10,230
61		Special repairs	3,088	1,288	116
62		Special repairs	5,000	108	1820
63		Special repairs	3,000	1222	
64		Special repairs	3,000	1350	10,230
65		Special repairs	3,000	1180	2,500
66		Special repairs	3,000	1350	10,230
67		Special repairs	3,000	1350	10,230
68		Special repairs	3,000	1350	10,230
69		Special repairs	3,000	1350	10,230
70		Special repairs	3,000	1350	10,230
71		Special repairs	3,000	1350	10,230
72		Special repairs	3,000	1350	10,230
73		Special repairs	3,000	1350	10,230
74		Special repairs	3,000	1350	10,230
75		Special repairs	3,000	1350	10,230
76		Special repairs	3,000	1350	10,230
77		Special repairs	3,000	1350	10,230
78		Special repairs	3,000	1350	10,230
79		Special repairs	3,000	1350	10,230
80		Special repairs	3,000	1350	10,230
81		Special repairs	3,000	1350	10,230
82		Special repairs	3,000	1350	10,230
83		Special repairs	3,000	1350	10,230
84		Special repairs	3,000	1350	10,230
85		Special repairs	3,000	1350	10,230
86		Special repairs	3,000	1350	10,230
87		Special repairs	3,000	1350	10,230
88		Special repairs	3,000	1350	10,230
89		Special repairs	3,000	1350	10,230
90		Special repairs	3,000	1350	10,230
91		Special repairs	3,000	1350	10,230
92		Special repairs	3,000	1350	10,230
93		Special repairs	3,000	1350	10,230
94		Special repairs	3,000	1350	10,230
95		Special repairs	3,000	1350	10,230
96		Special repairs	3,000	1350	10,230
97		Special repairs	3,000	1350	10,230
98		Special repairs	3,000	1350	10,230
99		Special repairs	3,000	1350	10,230
100		Special repairs	3,000	1350	10,230

Special repairs

In good working order

11	Staff boat	1,621	7	190
12	Special repairs	"	97	"
13	Staff boat	1,621	965	190
14	Special repairs	"	87	"
15	Staff boat	1,355	492	160
16	Special repairs	"	300	"
17	Staff boat	1,898	562	190
18	Special repairs	"	1167	"
19	Staff boat	1,556	175	160
20	Special repairs	"	165	"
21	Staff boat	990	198	160
22	Special repairs	2,486	1,533	190
23	Staff boat	"	260	"
24	Special repairs	1,815	1,362	160
25	Staff boat	"	1133	"
26	Special repairs	1,3342	7393	1400

Will require special repairs

In good order

16

See road working orders

FURTHER PAPERS.
PAPERS.

an good order.

— 182

20	Brought forward	13342	7393	1400
	Staff boat	2271	1704	190
	Special repairs	"	57	"
21	Staff boat	1721	1292	160
	Special repairs	"	34	"
12	Suply Eugene's Camp	5080	1238	120
11	Chief's boat	359	405	90
11	Good Hope	17623	10885	1840
11	Staff boat	1838	205	120
11	Special repairs	"	200	"
11	Main house	1820	132	1840
11	Special repairs	"	81	500
11	Staff boat	1821	280	100
11	Special repairs	"	21	540
11	Staff boat	1831	1	2340
11	Staff boat	1831	1	100

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Brought forward - 76766 23402 9900

Abstract showing the comparison of details between the estimated maintenance cost of floating plant in Kistna district for 1897-98 and 1898-99.

	Numbers.		Original Values.	Present book Values.		Cost of upkeep.		Remarks.
	1898-99	1897-98		1898-99	1897-98	1898-99	1897-98	
Steamers	3	1	14,125	14,125	2,160	2,947	3054	1810
Dredges	6	4	69,000	69,000	4,637	13,278	3,002	1,930
Scooping Saws	3	1	not yet valued	"	"	"	850	"
Com float pumps	33	33	79,319	79,319	25,823	19,027	10,230	13,730
Iron pumps	41	39	108,777	99,907	46,623	31,309	9,235	14,380
Miscellaneous Plant	8	5	6,953	6,226	4,085	3,472	945	645
Staff boats	11	11	17,693	17,693	10,885	9,620	18,420	18

Add as per separate

estimate for probable

expenses for use of

steamer "Alexandria"

by Departmental

officers.

Minor repairs

Special repairs

Total

38,500

8,600

29,900

750

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34,335

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FURTHER PAPERS.
FURTHER PAPERS.

Detail approximate Estimate of the annual cost
in Krishna District during the Official year 1898

	Steamer "Alexandria"	No 1 Stern wheel Steamer	No 2 Stern wheel Steamer	No 1 Dredge	No 2 Dredge	No 5 Dredge	Scouring Saw No 1	Scouring Saw No 2	Scouring Saw No 3	Lockburn's Dredges Nos 1, 2 & 3 @ Rs 450 each
Docking and Launching	30	"	"	"	16	16	15	"	"	16
Painting	84	"	"	"	42	70	32	"	"	32
Caulking	28	"	"	72	22	90	38	"	"	33
Tarring	"	"	"	"	33	25	16	"	"	16
Stokers	36	192	144	"	"	"	"	"	"	"
Servant	75	240	180	"	53	53	"	"	"	"
Lascars	107	296	222	80	80	90	41	"	"	64
Ropes etc	15	100	100	"	8	8	60	"	"	8
Sundry Repairs	200	200	200	"	282	389	94	200	350	218
Miscellaneous	50	"	"	"	14	14	"	"	"	13
Contingencies	135	"	"	"	80	115	41	"	"	50
Engine driver	"	240	180	"	"	"	"	"	"	"
	760	1268	1026	152	630	870	300	200	350	450

Letter from Capt. W. W. Ellis 1872

of Maintenance of Irrigation Floating Plant

[illegible]

Letter from Capt. W. W. Ellis 1891

Detail approximate estimate of the annual cost
in Kistna District during the official year 1898

of Maintenance of Irrigation Floating Plant

	Steamer "Alexandra"	No 1 Stern wheel steamer	No 2 Stern wheel steamer	No 1 Dredge	No 2 Dredge	No 3 Dredge	Scouring Saw No 1	Scouring Saw No 2	Scouring Saw No 3	Lockburn's dredges Nos 1, 2 & 3 @ Rs 450 each	Iron punt No 16	Iron punt No 17	Circular trap punt	Iron punts Nos 2, 8 & 33 @ Rs 38 @ Rs 190 each	Iron punt No 39 on all	Trap punt No 40	Iron punts Nos 41 to 43 @ Rs 265 each	Composite punts Nos 44 to 65 @ Rs 300 each	Composite punts Nos 66 to 76 @ Rs 330 each	Amphibious Paddle boat	Anicut Pinnace	Supply Engineer's launch	Staff boats Nos 11, 12, 15 18 & 20 @ Rs 190 each	Staff boats Nos 14, 16, 17 19 & 21 @ Rs 160 each	Dredge pinnace, R. S. Engineer's pinnace, Supply Engineer's dingy boat @ Rs 100 each	use of steamers by dept officers, K. W. Dn		
Docking and Launching	30	"	"	"	16	16	15	"	"	16	15	8	15	15	8	15	15	24	24	6	5	4	15	10				
Painting	84	"	"	72	42	70	32	"	"	32	32	23	49	28	14	47	45	"	"	33	9	"	"	"				
Caulking	28	"	"		22	90	38	"	"	33	38	25	26	22	"	25	40	99	107	28	14	21	66	55				
Tarring	"	"	"		33	25	16	"	"	16	16	11	21	10	6	20	21	"	"	3	3	6	10	8				
Stokers	36	192	144	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"			
Serang	75	240	180	"	53	53	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"			
Lascars	107	296	222	80	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"			
Ropes etc	"	"	"	"	"	"	"	"	"	64	4	4	8	4	4	24	4	8	8	4	"	8	21	21				
	"	"	"	"	"	"	"	"	"	8	5	5	5	5	4	5	5	5	5	5	2	6	12	10				
Sum										350 218	94	65	23	73	5	46	90	110	129	44	12	28	32	30				
										" 13	41	"	"	"	"	"	"	"	"	"	"	"	"	"	"			
										" 50	"	29	29	33	9	38	45	54	57	27	10	17	34	26				
										"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"			
	760	1268	1026	152	630	870	300	200	350	450	245	170	170	190	50	220	265	300	330	50	55	90	190	160	300	750		

15/11/57

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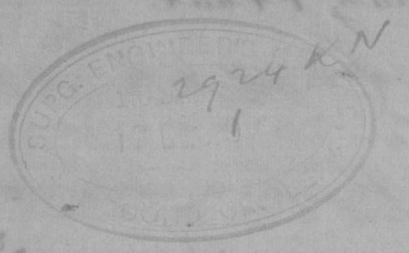
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Capt. W. W. Ellis
District Engineer
Kistna District
15/11/97

15/11/97
11/18
11/18

ridges
in
plant



CHIEF ENGINEER
FOR IRRIGATION.
4-M. 1897
No. 2671



Letter from Capt. W. R. Ellis R.E.
Executive Engineer, Kistna Northern
to the Superintending Engineer, 2nd
Circle No. 5114, dated 6th November 1897.

I have the honor to forward
herewith the annual Floating Plant
Statement, Kistna Delta showing the
forecast for the repairs and allotment
required for next year.

2. The annual repairs are estimated
at Rs. 38,500 being Rs. 4165 more than last
year. The excess is owing to the actual
increase of Plant by 2 Kingstons' Seon-
-ing Dams, one being a double one
mounted on two punts and by two
iron punts completed this year and
the prospective increase of Plant by
two stern wheel steamers now under
construction at Kidderpore docks and
2 Cock-burn Dredgers the punts for
which are now under construction
in our own workshops. All these
will, it is anticipated, be ready
for

550
490
2494

4900
4436

P.O.S. 1
534/1898

for work next season.

3. The crews proposed for the Steam wheel Steamers are

1. Sayrang on Rs 30/-

1. D. B. Laseur on Rs 15/-

2. Do on Rs 11/-

1. Engine Driver on Rs 30/-

2. Stokers each on Rs 12/-

It is anticipated, that for 6 months of the year the receipts from works will maintain the steamer for the River Conservancy Work below the anicut and for 4 months the steamer for towing above the anicut. Provision for the pay of crews for 6 and 8 months respectively at above rates has therefore been made.

4. No. 1 Scouring dam has been for ^{some} years mounted on No. 6 Punt which has then been converted into a Scouring dam. The Punt is now accounted for as No. 1 Scouring dam and omitted from the list of Punts.

5. No. 1 Dredger is old and requires a new boiler and $\frac{1}{2}$ extensive repairs to

to machinery before being of use. I believe we will have enough dredging plant without her when the 2 new Cockburns dredgers are available and do not propose to repair her unless the necessity for so doing becomes apparent. Bare maintenance only is therefore provided for in the case of this dredger.

6. As in the last two years special repairs have been provided for in lump sums to be allocated to the works most urgently required when the boats come in for repairs. The sum asked for is Rs 8,600/-

7. A revaluation on the usual system of the items of plant against which minor or small values are shown will be submitted in the ordinary course.

Luc: 1

No. 2276 K.N.
18.11.97

Forwarded to the Chief Engineer for Irrigation.

2. A statement showing the

edger
in
stand

...PERS.
...PERS.

The revaluation for the items
against which minus entries are
shown in the statement will be
forwarded shortly.

FOR INFORMATION.
20 NOV. 1897
No. 358 Ks

W. Morgan
Executive Engineer,
for Supply Engineer,
2nd Circle
17th 97

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534/98

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