

- (1) Number of pages _____
(2) Date of repair _____
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.

22579

Press

~~B.P. No.~~

~~Mis.~~

Dated

25-8-

1876

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
25th August 1876. No. 2,259.*

Read the following:—
No. 147-W.

No. 592. *Note by the Chief Engineer for Irrigation.*
THE Superintending Engineer, Kistna, has transmitted the annual statement of floating plant belonging to the Kistna Delta, and the subjoined abstract affords the particulars of changes since the return*
*Proceedings, Madras Government, No. 3,036, of 28th October 1875. for 1875-76 was submitted:—

Description.	No. OF EACH.		ORIGINAL VALUE.		BOOK VALUE.		COST OF UP-KEEP.		
	1875-76.	1876-77.	1875-76.	1876-77.	1875-76.	1876-77.	1875-76.	1876-77.	
Steamers	1	1	Rs. 16,989 3 6	Rs. 16,988 3 6	Rs. 16,655 5 8	Rs. 16,315 9 5	Rs. 600	Rs. 600	*Subsequently raised—vide G. O., No. 1,507, dated 31st May 1875.
Dredges	5	5	1,14,023 5 10	1,13,022 5 10	92,165 3 3	89,904 12 2	1,550	1,550	
Iron punts	32	32	64,830 15 6	67,320 15 6	54,699 11 2	55,872 7 9	3,260	3,360	
Large wooden punts	3	3	...	...	...	...	120	120	Under construction, vide G. O., No. 162, dated 22nd Jan. 1876.
Small do.	2	2	...	...	...	...	...	...	
Wooden punts with iron ribs.	...	...	...	...	...	...	20	20	
Pinnace racer	1	1	3,626 8 9	3,626 8 9	3,531 4 8	3,408 12 2	300	300	
Range or inspection boats.	7	7	...	...	50 0 0	...	...	...	
Amcut paddle boats	2	2	2,400 0 0	2,400 0 0	1,617 0 0	1,569 0 0	200	200	
Wooden ballast.	5	5	...	...	...	...	...	...	
Total	58	58	2,00,868 1 7	2,03,353 1 7	1,68,718 8 9	1,67,070 9 7	6,050	6,150	

2. The requirements of annual up-keep remain unchanged except that Rupees 100 additional are stated to be required for one of the iron punts No. 28. The sum to be spent on ordinary up-keep will therefore be in the current year Rupees 6,150.

3. The Superintending Engineer has included in the statement an item of Rupees 200 for the repair of workshop machinery, but this is not floating plant, but a different sub-head of (12) Miscellaneous. In future a separate estimate of expenditure on such machinery should be made out, and may with advantage be exhibited in a form showing—

1. Details of machinery.
2. Original value.
3. Present book value.
4. Intended expenditure on up-keep for the year.

4. The Superintending Engineer has stated what portion of the special repairs of floating plant, for which estimates amounting to Rupees 37,435 were sanctioned in G.O., No. 3,036, of the 28th October 1875, was carried out during the past year, and what progress with the restoration of this plant to efficiency will be effected this year. The expenditure on this account in 1875-76 and that anticipated in the current year should be reported.

5. The annual up-keep of the plant can be carried out on estimates sanctioned by the Superintending Engineer.

OOTACAMUND,
18th August 1876.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

Proceedings of the Madras Government, Public

KISTNA

Statement of the Floating Plant in Kistna District showing the Nature of Employment, the

DETAILS OF PLANT.				MEASUREMENT OF PLANT.						MACHINERY, &c.					
Registered No.	Description.	Name of Boat.	Date of Construction.	Hull over all.			When loaded.			Engines.		Boilers.		Propellers.	
				Length.	Breadth.	Depth.	Extra width for Paddle.	Draft.	Tons carried.	No. of Horse Power.	Description.	No. Pressure.	Description.	Description.	Revolutions.
1	Steamer	Pio.	1872-73.	59 9	9 6	4 4	0 6	2 6	About 20 tons	8	High pressure, oscillating	60	Tabular.	Paddle.	10 per min.
1	Dredge	...	Transferred from Godavery 1855-59	50	8 0	3 10	...	3 4	...	6	High pressure, horizontal.	50	Do.	...	...
2	Do.	...	1855-59	50	10 0	3 10	...	3 0	...	6	Do.	50	Do.	...	...
3	Do.	...	1859-60	90	14 6	3 10	...	1 9	...	8	High pressure, oscillating	50	Do.	...	...
6	Do.	...	1864-67. Transferred from Godavery.	90	14 6	3 10	...	1 11	...	8	Do.	50	Do.	...	...
9	Do.	...	1872-73. Transferred from Godavery.	90	14 6	3 10	...	1 9	...	8	Do.	50	Do.	...	...
...	Workshop machinery.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	Iron Punt	...	1853-60	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
2	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
3	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
4	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
5	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
6	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
7	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
8	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
9	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
10	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
11	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
12	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
13	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
14	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
15	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
16	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
17	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
18	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
19	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
20	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
21	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
22	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
23	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
24	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
25	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
26	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
27	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
28	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
29	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
30	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
31	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
32	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
33	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
34	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
35	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
36	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
37	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
38	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
39	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
40	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
41	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
42	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
43	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
44	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
45	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
46	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
47	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
48	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
49	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
50	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
51	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
52	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
53	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
54	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
55	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
56	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
57	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
58	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
59	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
60	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
61	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
62	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
63	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
64	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
65	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
66	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
67	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
68	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
69	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
70	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
71	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
72	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
73	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
74	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
75	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
76	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
77	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
78	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
79	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
80	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
81	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
82	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
83	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
84	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
85	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
86	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
87	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
88	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
89	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
90	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
91	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
92	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
93	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
94	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
95	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
96	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
97	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
98	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
99	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...
100	Do.	...	Do.	60	10 0	2 10	...	3 6	16 10	...	...	...	...	...	...

* Vide G.O. No. 1000 of 1875.
† As per estimate.

Statement of the Floating Plant in Kistna District showing the Nature of Employment, the Cost of

Registered No.	DETAILS OF PLANT.			MEASUREMENT OF PLANT.						MACHINERY, &c.					
	Description.	Name of Boat.	Date of Construction.	Hull over all.			Extra width for Paddle box.	When loaded.		No. of Horse Power.	Engines.	Boilers.		Propellers.	
				Length.	Breadth.	Depth.		Draft.	Tons carried.		Description.	lbs. Pressure.	Description.	Description.	Revolutions.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
29	Iron punt	...	1872-73. Received from Godavery,	39 9	11 8	2 10	...	1 7	16 0	...	...	...	...	...	...
30	Do.	...	Do.	39 9	11 8	2 10	...	1 7	16 0	...	...	...	...	...	...
31	Do.	...	Do.	35 0	8 3	2 11	...	1 11	14 0	...	...	...	...	...	...
32	Do.	...	Do.	39 6	12 0	3 0	...	1 6	16 0	...	...	...	...	...	...
33	Wooden punts with iron ribs,	...	...	72 0	13 0	3 6	...	...	...	...	...	...	...	...	...
34	Do.	...	...	72 0	13 0	3 6	...	...	...	...	...	...	...	...	...
35	Do.	...	...	60 0	13 0	3 8	...	...	...	...	...	...	...	...	...
36	Do.	...	...	60 0	13 0	3 6	...	...	...	...	...	...	...	...	...
In 2nd Range.	Largewood-on punt.	...	Unknown...	19 0	10 0	3 0	...	2 0	3 0	...	...	...	...	...	...
	Do.	...	Do.	19 0	10 0	3 0	...	2 0	3 0	...	...	...	...	...	...
	Do.	...	Do.	19 0	10 0	3 0	...	2 0	3 0	...	...	...	...	...	...
	Pinnacle racer.	...	Do.	21 0	4 6	1 9	...	...	...	Unknown.	...	...	...	...	...
	District Engineer's boat.	...	1867-68	52 0	7 0	3 0	...	...	...	...	...	...	...	...	...
1	Do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	1st Range Officer's boat.	...	1873-74	48 0	8 2	7 5	...	...	...	...	...	...	...	...	...
3	7th do.	...	In 1872-73 Transferred from Godavery.	30 0	6 0	2 4	...	...	...	...	...	...	...	...	...
4	Range Officer's boat.	...	In 1872-73 Transferred from Godavery.	25 3	6 0	2 6	...	...	...	...	...	...	...	...	...
5	6th do.	...	Unknown.	40 0	5 6	2 3	...	...	...	...	...	...	...	...	...
7	2nd do.	...	Do.	24 8	4 4	2 0	...	...	...	...	...	...	...	...	...
1	Wooden Ballacut	...	1869-70	30 0	11 0	3 0	...	2 0	8 0	...	...	...	...	...	...
2	Do.	...	Do.	29 6	11 0	3 0	...	2 0	8 0	...	...	...	...	...	...
3	Do.	...	Unknown...	30 0	10 4	3 5	...	2 0	9 0	...	...	...	...	...	...
4	Do.	...	Do.	29 6	10 6	3 4	...	2 0	9 0	...	...	...	...	...	...
5	Do.	...	Do.	29 6	10 6	3 0	...	2 0	8 0	...	...	...	...	...	...

N.B.—1. Present book value is not filled in when either or both the
2. The book value is made by adding the cost of
3. The amount entered in column 20 again for No. 22 Iron

N.B.—1. Present book value is not filled in when either or both the entries in columns 2 and 3. The book value is made by adding the cost of subsequent improvements to and 3. The amount entered in column 20 against steamer panta, dredges, &c., are those for No. 23 Iron Punt newly constructed in last year. 4. There is no Harbour plant in the district.

12th July 1876.

Works Department, 25th August 1876. No. 2,259.

Upkeep, and the Fund or Estimate from which to be maintained during 1876-77—(Concluded).

[illegible]

and 18 are unknown.
 subtracting the amount of deterioration at 2 per cent. per annum from the original cost of the plant.
 sanctioned in G.O. No. 1,096, dated 16th April 1873, and G.O., No. 3,036, dated 28th October 1875, except Rupees 100 required

(Signed) J. O. HASTED, Major, R.E.,
Superintending Engineer, 6th Division.

Proceedings of the Madras Government, Public Works Department,
25th August 1876. No. 2,259.

No. 593.

ORDER THEREON, 25th August 1876, No. 2,259.

IRRIGATION, No. 62-B.

Account.

ORDERED to be recorded.

(True Extract.)

R. L. Form No. 13.

OFFICE OF CHIEF ENGINEER FOR IRRIGATION,

Port St. George, 18 Aug 1876.

Note by the Chief Engineer for Irrigation.

Recd/

The Superintending Engineer, Kistna
has transmitted the annual statement
of Floating Plant belonging to the Kistna
delta, and the unjoined abstract
affords the particulars of changes since
the return for 1875-76 was submitted.

Pr. 303b of
28 Oct 1875.

Description	No. of each		Original Value		Book Value		Cost of up-keep	
	1875/6	1876/7	1875/6	1876/7	1875/6	1876/7	1875/6	1876/7
Steamers—	1	1	16,900 3 6	16,900 3 6	16,315 9 5	16,315 9 5	600	600
Dredges—	5	5	11,302 5 10	11,302 5 10	8,904 12 2	8,904 12 2	1,550	1,550
Iron Sumps—	32	32	6,400 15 6	6,400 15 6	5,572 7 9	5,572 7 9	320	320
Large wooden Sumps	3	3					120	120
Small do—	2							
Wooden Sumps 2 with iron ribs		4						
Prime Lacum	1	1					20	20
Range or Inspection Kotahs	7	7	3,626 8 9	3,626 8 9	3,631 4 8	3,631 4 8	300	300
Arment Saddle Boats	2							
Wooden Ballast	5	5	2,400	2,400	1,617	1,617	200	200
Total	58	58	29,000 17 2	29,000 17 2	16,700 8 9	16,700 8 9	6,500	6,500

Subsequently
received vide
G.O. 1607 d/1876
May 1875
under con-
struction vide
G.O. 1201 d/1876
22nd June 1876

Form No. 18.

P.W.D.

984676

From

The Chief Engineer for Irrigation,

To

The Secretary to Government,

Public Works Department.

Dated

18 Aug

Despatched

21

Received

1876.

ENCLOSURE

No. 147-14.

Subject.

Hoisting Plant in the Krishna
District - Note submitting
with remarks, Statement of
the — for 1876-77.

12592

No 2259

Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

UNDER date the 25 Aug 76

READ the following:—

Note by the Ch. Engr. {
for Engrs { M. S. 147 & of 18 Aug 76

Recorded.

19/8

Superintendent Krishna
Ch. Engr. Godavari
Ch. Engr. for Krishna with 1 Encl
Examiners, Brauch

Dec 14/9/76

6208-CH

Gobt. of 1876 Madras.

PUBLIC WORKS.

To

The Sup^{ty} Eng^g Master

Dated

Issued

Recd.

Expd.

G. O., 25 Aug 1876, No. 2259

No. 592-593

Noted
15-9-76

Statement of Floating
Plant for 1876-77

Noted & Note

by the Chief Supt for
Irrigation submitting
with remarks etc

— Acce^d &