Public Works (189 8) Department.

G.O., No. 740 I

DATED 26th Sept '98

[Despatch Abstract.]

Maintenance of the floating plant of the Godaver
Delta System : The Estimate of the cost of
for 1899-1900, approved with remarks.

11d/6

T.E.J.

26/9/98

Indexed. 26/9

[P. W. 35. / 1,000—12-2-98.]

BACK PAPERS.

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

FURTHER PAPERS.

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

IRRIGATION.
ACCOUNT.

Government (1898) of Madras.

PUBLIC WORKS.

Recd. } 1898. *Enclosures*
Regd. } *Spare copies*

G.O., No. 740 I., 26th September 1898.

SEPTEMBER.

Maintenance of the Floating Plant of the Godavari Delta System

The estimate of the cost of — for 1899-1900, approved, with remark.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers:—

From W. C. DeMORGAN, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Waltair, 6th September 1898, No. 1201 G.D.

I have the honour to submit herewith the annual statements, Parts I and II, together with the abstract for the Irrigation and Navigation floating plant for the ensuing official year 1899–1900.

2. In these statements, No. 13 second-class staff boat has not been shown, as she was sold by auction during the current year, being very old and not worth repairing.

3. Three new staff boats, second class, sanctioned in G.O., No. 301 I. of 22nd March 1897, and constructed last year at a cost of Rs. 3,421, have been brought on the statements now submitted as Nos. 24, 25 and 26.

4. The probable cost of the maintenance of floating plant for 1899–1900 is estimated at Rs. 18,012, exclusive of the cost of upkeep of ferry ballacuts on different canals. The increase of Rs. 300 over last year's estimate is due to the details as per margin. Required funds will be applied for in the budget.

	RS.
Provision for the upkeep of the three new staff boats at Rs. 150 each ..	450
Deduct—Provision for staff boat No. 13, which has been sold and omitted from the statements	150
Net ..	300

Enclosures.

RETURN No. 27.

Statement of the Irrigation Floating Plant in the Gódávari District showing the estimated cost of upkeep during the year 1899–1900.

Part I.—Steamers and Steam Dredgers.

Registered Number.	Details of Plant.		Value of Plant.		Probable cost of upkeep in 1899–1900.	Remarks.
	Description.	Name of Steamers, &c.	Original.	Present book value.		
1	2	3	4	5	6	7
		Irrigation.	RS.	RS.	RS.	
1	Steamer ..	"Shamrock"	20,014	4,950	860	In working order.
	Do. ..	"Arthur Cotton"	9,535	6,257	430	
	Do. ..	"Victoria"	50,956	12,692	910	
	Steam tug.	"John Mullins"	31,054	12,579	920	
		Total ..	1,11,559	36,478	3,120	
2	Dredger ..	Canal iron dredger, single bucket, ladder end delivery.	15,395	808	460	Do.
3	Do. ..	Canal iron dredger, single bucket, ladder side delivery.	30,437	2,877	460	
4	Do. ..	Do. do. ..	30,437	3,457	460	Under repairs.
5	Do. ..	Do. do. ..	30,437	2,761	460	In working order.
6	Do. ..	Do. do. ..	31,097	3,990	460	
7	Do. ..	Priestman's size B	16,580	2,460	460	Under repairs.
8	Do. ..	Do. A-1	13,438	3,114	460	
9	Do. ..	Do. A-2	16,120	6,080	460	In working order.
		Total ..	1,83,941	25,547	3,680	
		Grand Total ..	2,95,500	62,025	6,800	

Rules for finding present Book value.

(1) Steamers to be reduced 10 per cent. every year, and the amount of special repairs, if any, must be added thereto.

(2) Steam dredgers to be reduced 15 per cent. every year, and the amount of special repairs, if any, must be added thereto.

Part II.—Barges, Boats and Punts.

Registered Number.	Description of Boats.	Value of Plant.		Probable cost of upkeep during 1899–1900.	Remarks.
		Original.	Present book value.		
	Irrigation.	RS.	RS.	RS.	
1	Iron flat	6,243	1,228	140	In working order.
3	Canal iron punt	2,811	1,015	120	
5	Do.	2,812	1,360	120	
7	Do.	2,812	1,277	120	
10	Do.	2,812	842	120	
11	Do.	2,812	988	120	
13	Iron dredge punt	2,310	1,159	75	In good working order; lately repaired.
15	Canal iron punt	2,812	1,668	120	
17	Do.	2,812	1,618	120	
18	Iron dredge punt	2,310	613	75	In working order.
20	Canal iron punt	2,812	1,449	120	
21	Iron dredge punt	2,310	1,332	75	
22	Do.	2,310	785	75	
25	Canal iron punt	2,811	847	120	
27	Do.	2,811	906	120	
30	Do.	2,811	1,052	120	
31	Do.	2,811	963	120	
34	Iron flat	4,693	1,362	130	
36	Canal iron punt	2,812	1,807	120	In good working order; lately repaired.
37	Do.	2,812	1,022	120	In working order.
38	Do.	2,812	899	120	
39	Do.	2,812	714	120	
40	Iron deep boat	4,693	1,694	190	
44	Wooden deep boat	2,330	1,995	170	
47	Do.	2,000	2,278	170	
48	Do.	2,000	2,571	170	In good working order; lately repaired.
49	Do.	2,000	3,037	170	
50	Do.	2,117	2,283	170	
65	Iron light boat	1,000	670	70	In working order.
66	Do.	1,000	899	70	
67	Do.	1,000	761	70	
68	Do.	1,000	803	70	In good working order; lately repaired.
69	Do.	1,000	941	70	In working order.
70	Do.	1,000	781	70	In good working order; lately repaired.
71	Do.	1,433	862	70	In working order.
72	Do.	1,433	585	70	In good working order; lately repaired.
74	Do.	1,000	663	70	In working order.
75	Do.	1,000	527	70	In good working order; lately repaired.
77	Wooden light boat	750	362	75	Under repairs.
81	Iron flat	7,375	1,410	140	In good working order; lately repaired.
82	Wooden flat	2,722	1,959	150	
83	Do.	2,722	2,548	150	
84	Do.	2,722	2,125	150	
85	Do.	2,722	2,012	150	
86	Do.	2,722	1,756	150	In working order.
87	Do.	2,722	1,830	150	
88	Do.	2,800	1,912	150	
89	Do.	2,800	1,814	150	
90	Do.	2,800	1,262	150	
91	Do.	2,800	2,649	150	In good working order; lately repaired.
92	Do.	2,800	1,283	150	In working order.
93	Do.	2,800	1,830	150	
94	Do.	2,405	1,593	130	
95	Do.	2,405	1,458	130	
99	Do.	2,405	1,984	130	
100	Iron double trap punt ..	4,185	1,753	110	In good working order; lately repaired.
101	Do. do. ..	4,185	1,358	110	
104	Do. do. ..	4,060	2,095	110	
105	Iron punt	6,960	2,295	140	
106	Iron deep boat	4,613	4,152	340	In working order.
12	Second-class staff boat ..	820	..	150	
14	First-class do. ..	1,400	..	230	
15	Second-class do. ..	800	..	150	
16	First-class do. ..	1,250	..	230	
17	Second-class do. ..	850	..	150	
18	First-class do. ..	1,400	..	230	
19	Second-class do. ..	850	..	150	
20	First-class do. ..	1,400	..	230	

Part II.—Barges, Boats and Punts—cont.

Registered Number.	Description of Boats.	Value of Plant.		Probable cost of upkeep during 1899–1900.	Remarks.
		Original.	Present book value.		
	Irrigation—cont.	RS.	RS.	RS.	
21	Second-class staff boat ..	840	..	150	In working order.
22	Special staff boat	1,783	448	230	
23	Do. do.	2,411	1,205	230	In working order (*vide* G.O., No. 1063 I., dated 29th November 1897). The original and present book values of this boat were erroneously shown as Rs. 1,780 in G.O., No. 879 I. of 28th October 1892, instead of Rs. 2,411.
24	Second-class staff boat ..	1,141	1,141	150	In good working order; lately constructed.
25	Do. do. ..	1,141	1,141	150	
26	Do. do. ..	1,141	1,141	150	
	Total ..	1,80,871	92,772	10,025	
A	Upper Gódávari Barge ..	3,500	3,522	340	In working order.
D	Do. do. ..	3,500	2,835	340	
E	Do. do. ..	3,500	3,308	340	
	Total ..	10,500	9,665	1,020	
2	Jolly boat	165	167	20	In working order.
3	Do.	340	431	16	
4	Do.	165	244	20	
5	Do.	Unknown.	..	16	
7	Survey Nava	300	233	35	
8	Jolly boat of Steam Tug *John Mullins*.	Unknown.	..	60	
	Total ..	970	1,075	167	
	Grand Total ..	1,92,341	1,03,512	11,212	

Rules for finding present Book value.

(1) Boats and barges to be reduced 10 per cent. every year, and the amount of special repairs, if any, must be added thereto.

(2) Staff boats to be reduced by one-twelfth of their original cost for each year of their life.

Measurement, &c., of Plant newly constructed.

Registered Number.	Details of Plant.		Measurement of Plant.				Value of Plant.		Probable cost of upkeep in 1899–1900.	Remarks.
			Hull over all.							
	Description of Boat.	Date of Construction.	Length.	Breadth.	Depth.	Draft when loaded.	Tonnage according to Navigation rule measurement.	Original.	Present book value.	
1	2	3	4	5	6	7	8	9	10	11	12
			FT. IN.	FT. IN.	FT. IN.	FT. IN.		RS.	RS	RS.	
24	Second-class staff boat	1897 ..	33 0	9 7	2 2	1 6	Gross 6 Net 5	1,141	1,141	150	In good working order; lately constructed.
25	Do.	Do. ..	33 0	9 7	2 2	1 6	Gross 6 Net 5	1,141	1,141	150	
26	Do.	Do. ..	33 0	9 7	2 2	1 6	Gross 6 Net 5	1,141	1,141	150	

Detailed approximate Estimate of the annual Maintenance of the Irrigation Floating Plant, Gódávari District.

Particulars.	Steamer *Shamrock*.	Steamer *Victoria*.	Steam launch *Arthur Cotton*.	Steam tug *John Mullins*.	Canal dredges.	Barges and No. 106 I.D. boat.	Canal punts.	Dredge punts, 30 feet long.	Wooden light boats.	Iron light boats.	Wooden flats, 74 feet long	Staff boats, first class	Staff boats, second class.	Iron deep boats.	Iron flats, Nos. 1 and 81, and iron punt, No. 105.	Jolly boat, No 8.	Double trap punts.	Wooden flats, 60 feet 3 inches long.	Iron flat, 60 feet 6 inches long.	Wooden deep boats.	Jolly boats, Nos. 2 and 4.	Jolly boats, Nos. 3 and 5.	Survey Nava.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Docking and launching	50	50	50	50	50	25	12	10	10	10	15	10	10	30	15	5	12	15	12	25	..	..	5
Painting	500	500	195	550	120	150	31	20	..	20	..	110	65	63	45	30	30	..	35	..	8	..	..
Caulking	70	44	18	80	50	30	36	20	40	10	110	40	33	20	36	18	30	90	40	99	8	12	24
Varnishing	..	20	..	..	..	..	..	..	..	..	..	10	..	..	..	..	..	..	..	..	..	..	..
Tarring	..	..	..	..	50	50	20	10	..	10	..	..	..	27	19	..	20	..	20	..	..	..	..
Ropes, &c.	30	30	30	30	30	58	11	10	20	10	14	10	12	37	14	2	10	14	15	34	4	4	6
Lascars	..	..	..	..	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Small stores	..	..	..	..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
General charges	60	66	37	60	28	27	10	5	5	10	11	20	10	13	11	5	8	11	8	12	..	..	..
Sundry repairs	150	200	100	150	100	..	..	..	..	..	..	30	20	..	..	..	..	..	..	..	..	..	..
Total ..	860	910	430	920	460	340	120	75	75	70	150	230	150	190	140	60	110	130	130	170	20	16	35

Abstract showing the Comparison of Details between the Estimated Maintenance cost of Floating Plant in the Gódávari District for 1898–99 and 1899–1900.

Particulars.	Number.		Original value.		Book value.		Cost of upkeep.	
	1899-1900.	1898-99.	1899-1900.	1898-99.	1899-1900.	1898-99.	1899-1900.	1898-99.
			RS.	RS.	RS.	RS.	RS.	RS.
Steamers	4	4	1,11,559	1,11,559	36,478	39,978	3,120	3,120
Dredges, Nos. 2 to 9	8	8	1,83,941	1,83,941	25,547	29,006	3,680	3,680
Barges, A, D and E, from Upper Gódávari Works ..	3	3	10,500	10,500	9,665	10,738	1,020	1,020
Iron flats, Nos. 1, 34 and 81 ..	3	3	18,311	18,311	4,000	4,362	410	410
Iron punts, Nos. 3, 5, 7, 10, 11, 15, 17, 20, 25, 27, 30 31, 36, 37, 38, 39 and 105	17	17	51,947	51,947	20,722	20,309	2,060	2,060
Iron dredge punts, Nos. 13, 18, 21 and 22	4	4	9,240	9,240	3,889	3,851	300	300
Iron double trap punts, Nos. 100, 101 and 104	3	3	12,430	12,430	5,206	3,206	330	330
Iron deep boats, Nos. 40 and 106 ..	2	2	9,306	9,306	5,846	6,495	530	530
Iron light boats, Nos. 65 to 72, 74 and 75	10	10	10,866	10,866	7,492	7,679	700	700
Wooden deep boats, Nos. 44, 47 to 50.	5	5	10,447	10,447	12,164	11,347	850	850
Wooden light boat, No. 77 ..	1	1	750	750	362	402	75	75
Wooden flats, Nos. 82 to 95 and 99 ..	15	15	40,347	40,347	28,015	27,389	2,190	2,190
Staff boats, first class, 14, 16, 18, 20, 22 and 23	6	6	* 9,644	9,013	1,653	1,637	1,380	1,380
Staff boats, second class, 12, 13, 15, 17, 19, 21, 24, 25 and 26 ..	8	6	† 7,583	4,980	3,423	..	1,200	900
Jolly boats and Survey navas, Nos. 2 to 5, 7 and 8	6	6	970	970	1,075	1,195	167	167
Total ..	95	93	4,87,841	4,84,607	1,65,537	1,67,594	18,012	17,712

* For the difference, *vide* remark in statement of barges and punts.

† The difference is due to the construction of three new second-class staff boats at a cost of Rs. 3,423 and the sale of second-class staff boat No. 13, which had an original value of Rs. 820.

31st August 1898.

(Signed) C. MILDRED,
Ex. Engr., Gódávari Eastern Divn.

No. 244 I.

Note by the Acting Chief Engineer for Irrigation.

With the above letter the Superintending Engineer, I Circle, submits the annual statements of the cost of maintenance of the floating plant of the Gódávari delta system for the next official year. The estimate for 1899–1900 amounts to Rs. 18,012, or Rs. 300 more than the current year's estimate. The increase is due to provision having been made for the upkeep of three new staff boats constructed under the sanction accorded in G.O., No. 301 I., dated 22nd March 1897.

19th September 1898.

(Signed) J. C. LARMINIE,
Ag. Chief Engineer for Irrigation.

Order—No. 740 I., dated 26th September 1898.

The estimate of the cost of maintenance of the floating plant of the Gódávari delta system is approved; Rs. 18,012 will be provided on this account in the budget estimates for "Major works" for 1899–1900.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

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

Exd. T. K. Narayana Aiyangar.

Public Works (1898) Department.

CURRENT No. 7919

Order

From
The Chief Engineer
for Irrigation

No. 244 I

Dated 19-9-98
Received
Registered 23-9-98
Enclosures 4
Spare copies

SUBJECT.

Floating plant of
Godavari Delta Syste
Estimate of the cost
of upkeep of the —
for 1899-1900 - Note sub
mitting the —

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.
	1/2 P 3 1/2 Rs

8

A

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

Print with the statements.

~~From~~ the Supg: Engineer, 1st Circle — No. 1201 G. D. dated 6th Sep/98

No. 244. Dy 19-9-98

Note by the Ag: Chief Engineer for Irrigation.

121

With the above letter the Supg: Engineer, 1st Circle submits the annual statements of the cost of maintenance of the floating plant of the Godavari delta system for the next official year. The estimate for 1899-1900 ~~which~~ amounts to Rs. 18,012 or Rs. 300 more than the current year's estimate. The increase is due to ~~the~~ provision ~~having been made~~ for the upkeep of the new staff boats constructed under

Issue
JCL
1/10/98

under the sanction accorded in G.O. No. 301.I, dated 22nd March 1897. ~~omitting the cost of upkeep of a staff boat which was ... sold~~.

Order thereon No: 740 I d/ 26.9.98 Irregular Acct

The estimate of the cost of maintenance of the floating plant of the Godavari delta system is approved; Rs. 18,012 will be provided on this account in the budget estimates for "Major works" for 1899-1900.

1201

17/9/98

12/9/98

F.E.? 23.9.98

17/9/98

To, The Chief Engineer for Irrign
" Supg: Engr I Circle
" Examiner P.W. Accounts

I. Form No. 1—1,000—21-4-98.

14.9.98

Public Works (1898) Department.

CURRENT No. 178 G.D.

From W. De Morgan Esquire
Officiating Supdg Engineer I Circle

Order

No. 1201 GD

Dated 6th September 1898
Received } 12 Septr 98
Registered }
Enclosures 3
Spare copies

SUBJECT.

Annual statements parts I & II together with the abstract for the Irrigation and navigation floating plant for the ensuing official year 1899-1900 — Submitting — with explanation for the increase of Rs 300 in the probable cost of the maintenance of floating plant for 1899-1900, over the last years expenditure

F.E.D.

12/9/98

12/9/98

BACK PAPERS.

No.	Date.
R241 ?	29-4-97

FURTHER PAPERS.

No.	Date.

C [illegible] GINEER
FO [illegible] ATION.
12 SEP. 1898
No. 1/178 G.D. of 98

Recd. / 25/5/98

2	Dredger	Canal iron dredger, single bucket ladder End delivery	15,395	808	460	- Do -
3	Do.	Do. Do. Side delivery . .	30,437	2,877	460	
4	Do.	Do. Do. Do.	30,437	3,457	460	Under repairs
5	Do.	Do. Do. Do.	30,437	2,761	460	In working order
6	Do.	Do. Do. Do.	31,097	3,990	460	
7	Do.	Priestmans Size B.	16,580	2,460	460	Under Repairs
8	Do.	Do. do. A1.	13,438	3,114	460	
9	Do.	Do. do. A2.	16,120	6,080	460	In working order
		Total	1,83,941	25,547	3,680	
		Grand Total.	2,95,500	62,025	6,800	

Rules for finding present Book Value

1. Steamers to be reduced 10 per cent; every year and the amount of special repairs, if any, must be added thereto.
2. Steam dredgers to be reduced 15 per cent; every year, and the amount of special repairs, if any, must be added thereto.

Godavari Eastern Division Office,
Dowlaishweram, 31. August 1898

Mildred
Executive Engineer
Godavari Eastern Dn

Acct
31-8-98

omit.

30/8/98

Return No 27.

Statement of the Irrigation Floating Plant in the Godavari District shewing the estimated cost of upkeep during the year 1899-1900. Part I Steamers and Steam Dredgers.

Registered number	Details of Plant		Value of Plant		Probable cost of upkeep in 1899-1900	Remarks.
	description	Name of Steamers &c.	Original	Present Book Value		
1	2	3	4	5	6	7
		Irrigation.				
			Rs.	Rs.	Rs.	
	Steamer	Shamrock	20,014	4,950	860	In working order
	Do.	Arthur Cotton	9,535	6,257	430	
	Do.	Victoria	50,956	12,692	910	
	Steam tug	John Mullins	31,054	12,579	920	
		Total	1,11,559	36,478	3,120	

Enclos 1 to No. 120 I G D 7/6-7-98 of S.E.I. Circle 65

~~Enclo [illegible] No. 667 [illegible]~~

3

2-9-98

R

CHIEF ENGINEER
FOR IRRIGATION.
12 SEP 1898
No. 3/778 C.D. of 98

O.W.S. 4 / 25-12-98

11

Abstract shewing the comparison of details between the Estimated maintenance cost of Floating Plant in the Godavari District for 1898-99 and 1899-1900.

Particulars	Number		Original Value		Book Value		Cost of upkeep	
	1899-1900	1898-99	1899-1900	1898-99	1899-1900	1898-99	1899-1900	1898-99
Steamers	4	4	1,11,559	1,11,559	36,478	39,978	3,120	3,120.
Dredges Nos 2 to 9	8	8	1,83,941	1,83,941	25,547	29,006	3,680	3,680
Barges A, D, & E. from Upper Godavari Works.	3	3	10,500	10,500	9,665	10,738	1,020	1,020
Iron Flats, Nos 1, 34 & 81	3	3	18,311	18,311	4,000	4,362	410	410
Do. Punts, Nos 3, 5, 7, 10, 11, 15, 17, 20, 25, 27, 30, 31, 36, 37, 38, 39 & 105	17	17	51,947	51,947	20,722	20,309	2,060	2,060.
Iron Dredge punts Nos 13, 18, 21 & 22 . . .	4	4	9,240	9,240	3,889	3,851	300	300.
Do. Double Lap Punts Nos 100, 101 & 104	3	3	12,430	12,430	5,206	3,206	330	330.
Iron Deep Boat Nos 40 and 106 . . .	2	2	9,306	9,306	5,846	6,495	530	530.
Do. Light Boats Nos 65 to 72, 74 & 75.	10	10	10,866	10,866	7,492	7,679	700.	700.
Wooden Deep boats Nos 44, 47 to 50 . .	5	5	10,447	10,447	12,164	11,347	850.	850.
Do. Light Boat No 77	1	1	750	750	362	402	75	75
~~Do. Flats Nos 82 to 90~~ & 99.	15	15	40,347	40,347	28,015	27,389	2190	2190
Staff Boats, 1st Class, 14, 16, 18, 20, 22 & 23.	6	6	9644 *	9013	1653	1637	1380	1380
Do. 2nd Class, 12, 13, 15 & 17, 19, 21, 24, 25 and 26	8	6	7583 ⊗	4980	3423	-	1200	900
Jolly Boats and Survey Navas Nos 2 to 5, 7 and 8.	6	6	970	970	1075	1195	167	167.
Total	95	93	4,07,841	4,04,607	1,65,537	1,67,594	18012	17,712

* For the difference, vide remark in Statement of Barges and Punts.

⊗ The difference is due to the construction of 3 new 2nd class Staff Boats at a cost of Rs. 3423 and the sale of 2nd class Staff Boat No 13, which had an original value of Rs. 820/.

C Mildred
Executive Engineer
Godavari Eastern Divn.

Godavari Eastern Division Office,
Dowlaishweram. 31 August 1898

Mc
Audt
31-8-98

30 Aud
31/8/98

3

Statement of the Irrigation floating plant in the Godavari District showing the Estimated Cost of Up-keep during the year 1899-1900.—

Part II Barges, boats and Punts.

Registered Number	Description of boats	Value of Plant		Probable Cost of up keep during 1899-1900	Remarks.
		Original	Present Book value		

Detailed approximate Estimate of the annual Maintenance of the Irrigation Floating Plant, Godavari District

Particulars	Steamer "Shamrock"	Steamer "Victoria"	Steam launch "Arthur Cotton"	Steam tug "John Mullins"	Canal dredges	Barges and No. 10 G. S. D. Boat	Canal punts	Dredge punts 30 ft long	Wooden light boats	Iron light boats	Wooden flats 74 ft long	Staff boats First Class	Staff boats Second Class	Iron deep boats	Iron Flats Nos. 1/4 81/2 & Iron punt No. 105	Jolly Boat No. 8	Double trap punts	Wooden flats 60'-3" long	Iron flat 60'-6" long	Wooden deep boats	Jolly boats Nos. 2 and 4	Jolly boats Nos. 3 and 5	Survey Nava
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Docking and launching	50	50	50	50	50	25	12	10	10	10	15	10	10	30	15	5	12	15	12	25			5
Painting	500	500	195	550	120	150	31	20	–	20	–	110	65	63	45	30	30	–	35	–	8	–	–
Caulking	70	44	18	80	50	30	36	20	40	10	110	40	33	20	36	18	30	90	40	99	8	12	24
Varnishing		20										10											
Tarring					50	50	20	10	–	10				27	19		20		20				
Ropes &c	30	30	30	30	30	58	11	10	20	10	14	10	12	37	14	2	10	14	15	34	4	4	6
Lascars	–	–	–	–	20																		
Small Stores					12																		
General Charges	60	66	37	60	28	27	10	5	5	10	11	20	10	13	11	5	8	11	8	12	–	–	–
Sundry Repairs	150	200	100	150	100							30	20										
Total Rs.	860	910	430	920	460	340	120	75	75	70	150	230	150	190	140	60	110	130	130	170	20	16	35

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Executive Engineer
Godavari Eastern Division

Pre Audit

Qus. 3
25/9/98

9

Measurement &c of plant newly Constructed.

Registered Number	Details of plant		Measurement of Plant					Value of plant		Probable Cost of Up-keep in 1899-1900	Remarks.
	Description of boat	Date of Construction	Hull over all			Draft when Loaded	Tonnage according to Navigation rule Measurement	Original	Present Book value		
			L	B	D						
1	2	3	4	5	6	7	8	9	10	11	12
24	Second Class Staff boat	1897	33'-0"	9'-7"	2'-2"	1'-6"	Gross 6 Net 5	1141	1141	150	In good working or de lately Constructed.
25	—— do ——	1897	33'-0	9-7	2-2	1-6	Gross 6 Net 5	1141	1141	150	
26	—— do ——	1897	33-0	9-7	2-2	1-6	Gross 6 Net 5	1141	1141	150	

Chuldied
Executive Engineer
Godavari Eastern Division

Mc
Auth
31-8-98

Rules for finding present book value

(1) Boats and barges to be reduced 10 percent every year, and the amount of Special repairs if any must be added there to.

(2) Staff boats to be reduced by one twelfth of their original Cost for each year of their life.

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Executive Engineer
Godavari Eastern Division

MC
Acctt
31-8-98

A	Upper Godavari Barge	3500	3522	340	In working order
D	—— Do ——	3500	2835	340	
E	—— Do ——	3500	3308	340	
	Total	10500	9,665	1020	
2	Jolly Boat	165	167	20	In working order
3	—— do ——	340	431	16	
4	—— do ——	165	244	20	
5	—— do ——	Unknown	–	16	
7	Survey nava	300	233	35	
8	Jolly boat of Steam tug "John Mullins"	Unknown	–	60	
	Total	970	1075	167	
	Grand Total	1923[illegible]	103512	11212	

15	Second Class – do	800	–	150	do
16	First Class – do	1250	–	230	do
17	Second Class – do	850	–	150	do
18	First Class – do	1400	–	230	do
19	Second Class – do	850		150	do
20	First Class – do	1400		230	do
21	Second Class – do	840		150	do
— ×22	Special do	1783	448	230	do
23	do do	2411	1205	230	– do Vide G. O. No: 1063 F a/29-11-97
					The original and present Book values of this boat were erroneously shown as Rs 1780 in G. O. No: 879 F of 28-10-92 instead of Rs 2411.–
24	Second Class – do	1141	1141	150	In good working order lately Constructed.
25	— Do —	1141	1141	150	
26	— Do —	1141	1141	150	–
	Total	180871	92772	10,025	

	Bfd	107460	54660	4895	
85	Wooden flat	2722	2012	150	In good working order, lately repaire
86	— do —	2722	1756	150	In working order
87	— do —	2722	1830	150	
88	— do —	2800	1912	150	
89	— do —	2800	1814	150	
90	— do —	2800	1262	150	
91	— do —	2800	2649	150	In good working order lately repaire
92	— do —	2800	1283	150	In working order
93	— do —	2800	1830	150	
94	— do —	2405	1593	130	
95	— do —	2405	1458	130	
99	— do —	2405	1984	130	
100	Iron double trap punt	4185	1753	110	In good working order, lately repaire
101	— do —	4185	1358	110	
104	— do —	4060	2095	110	
105	Iron punt	6960	2295	140	
106	Iron deep boat	4613	4152	340	In working order
12	Second Class Staff boat	820	–	150	— do —
14	First Class – do	1400	–	230	do

39	4 — do —	2812	714	120	In ~~good~~ working order ~~lately repaired~~. Inc
40	Iron deep boat	4693	1694	190	
44	Wooden deep boat	2320	1995	170	
47	— do —	2000	2278	170	
48	— do —	2000	2571	170	
49	— do —	2000	3037	170	In good working order lately repaired
50	— do —	2117	2283	170	
65	Iron Light boat	1000	670	70	
66	— do —	1000	899	70	In working order
67	— do —	1000	761	70	
68	— do —	1000	803	70	In good working order, lately repaired
69	— do —	1000	941	70	In working order.
70	— do —	1000	781	70	In good working order lately repaired
71	— do —	1433	862	70	In working order
72	— do —	1433	585	70	In good working order lately repaired
74	— do —	1000	663	70	In working order
75	— do —	1000	527	70	In good working order lately repaired
77	Wooden light boat	750	362	75	Under repairs
81	Iron flat	7375	1410	140	
82	Wooden flat	2722	1959	150	In good working order, lately repaired
83	— do —	2722	2548	150	
84	— do —	2722	2125	150	
	C/0	107460	54660	4895	

Irrigation

1	Iron flat	6243	1228	140	
3	Canal Iron punt	2811	1015	120	
5	— do —	2812	1360	120	
7	— do —	2812	1277	120	In working order
10	— do —	2812	842	120	
11	— do —	2812	988	120	
13	Iron dredge punt	2310	1159	75	
15	Canal Iron punt	2812	1668	120	In good working order lately repaired
17	— do —	2812	1618	120	— do — do —
18	Iron dredge punt	2310	613	75	
20	Canal iron punt	2812	1449	120	
21	Iron dredge punt	2310	1332	75	
22	— do —	2310	785	75	
25	Canal iron punt	2811	847	120	In working order
27	— do —	2811	906	120	
30	— do —	2811	1052	120	
31	— do —	2811	963	120	
34	Iron Flat	4693	1362	130	
36	Canal Iron punt	2812	1807	120	In ~~good~~ working order lately repaired
37	— do —	2812	1022	120	
38	— do —	2812	899	120	

Enclosure 2 to No 1201 GD / 8-9-1898 of S.E. I Circle

Encl to Gl No 651 GD / 2.9.98

No. 1201 GD

FROM

W. C. DeMorgan Esqr. M.I.C.E.
SUPERINTENDING ENGINEER,

FIRST CIRCLE.

Enclosures. 3

TO

THE CHIEF ENGINEER
FOR IRRIGATION.

WALTAIR, 6. 9. 1898.

Despd. 8-9-1898

SIR,

I have the honour to submit herewith the annual Statements Parts I and II together with the abstract for the Irrigation and Navigation floating plant for the ensuing official year 1899-1900.

2. In these statements No: 13 second class staff boat has not been shewn as she was sold by auction during the current year, being very old and not worth repairing.

3. Three new staff boats, 2nd class, sanctioned in G.O. no: 301 I of 22.3.97 and constructed last year at a cost of Rs 3421 have been brought on the statements now submitted as Nos: 24, 25, & 26.

4. The probable cost of the maintenance of floating plant for 1899-1900 is estimated at Rs 18012 exclusive of the cost of upkeep of ferry ballacuts on different canals. The increase of Rs 300 over last year's Estimate is due to the details as per margin. Required funds will be applied for in the budget.

Provision for the upkeep of the 3 new staff boats @ Rs 150 each	Rs 450
Deduct provision for staff boat No: 13 which has been sold and omitted from the Statements	Rs 150
Net Rs	300

I have the honor to be,
Sir,
Your most obedt Servt.
W DeMorgan
Supdg Engineer I Circle

S. E. I. / 1 500—29-2-96.

FROM

SUPERINTENDING ENGINEER,

FIRST CIRCLE.

TO

THE CHIEF ENGINEER

FOR IRRIGATION.

DATED
DESPATCHED
RECEIVED } 189

CHIEF ENGINEER
FOR IRRIGATION.
12 SEP. 1898
No. 178 G. D. of 98

No.

ENCLOSURES.

SUBJECT.

1320 / 25/9/98

14P