

Public Works (189) Department.

✓ G.O., No. 969 D

DATED 14 Nov 99

15/11/99

[Despatch Abstract.]

Docking plant of the Godavari Delta system

Approving the estimate of the cost
of maintenance of the —, and directing
that Rs 18,389 be provided ^{on this account} ~~on this account~~ in
the budget estimates for 1900-1901.

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GOVERNMENT {1899} OF MADRAS.
PUBLIC WORKS.

Spare copies

NOVEMBER.

Floating plant of the Godavari Delta System

Approving the estimate of the cost of maintenance of the —, and directing that Rs. 18,889 be provided on this account in the budget estimates for 1900-1901.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ--The following paper :--

From the Superintending Engr., I Circle, dated 26th Sept. 1899, No. 2026 G.E.

ENCLOSURES.

RETURN No. 27.—Statement of the Irrigation floating plant in the Gódvári District, showing the estimated cost of upkeep during the year 1900-1901.

Part I.—Steamers and Steam Dredges.

Registered number.	Details of plant.		Value of plant.		Probable cost of upkeep in 1900-1901.	Remarks.
	Description.	Name of steamers, etc.	Original.	Present book value.		
1	2	3	4	5	6	7
	<i>Irrigation.</i>		RS.	RS.	RS.	
	Steamer ..	Shamrock ..	20,014	8,395	883	In working order.
	Do. ..	Arthur Cotton ..	9,535	5,765	441	
	Do. ..	Victoria ..	50,956	15,094	934	
	Steam tug ..	John Mullins ..	31,054	11,906	945	
	Total ..		1,11,559	41,160	3,203	
2	Dredger ..	Canal iron dredger, single bucket ladder, end delivery ..	15,395	687	471	In working order.
3	Do. ..	Canal iron dredger, single bucket ladder, side delivery ..	30,437	2,483	471	Under repairs.
4	Do. ..	Do. do. ..	30,437	5,442	471	In good working order ; lately repaired.
5	Do. ..	Do. do. ..	30,437	2,347	471	In working order.
6	Do. ..	Do. do. ..	31,097	3,391	471	Under repairs.
7	Do. ..	Priestman's size B ..	16,580	2,091	471	In working order.
8	Do. ..	Do. size A-1 ..	13,438	2,647	471	
9	Do. ..	Do. size A-2 ..	16,120	6,245	471	
	Total ..		1,83,941	25,333	3,768	
	Grand Total ..		2,95,500	66,493	6,971	

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 boat plant.		Probable cost of upkeep during 1900-1901.	Remarks.
		Original.	Present book value.		
	<i>Irrigation.</i>	RS.	RS.	RS.	
1	Iron flat ..	6,243	1,388	143	In good working order ; lately repaired.
3	Canal iron punt ..	2,811	913	123	In working order.
5	Do. ..	2,812	1,224	123	
7	Do. ..	2,812	1,149	123	
10	Do. ..	2,812	758	123	
11	Do. ..	2,812	889	123	
13	Iron dredge punt ..	2,310	1,043	77	
15	Canal iron punt ..	2,812	1,501	123	
17	Do. ..	2,812	1,456	123	
18	Iron dredge punt ..	2,310	552	77	
20	Canal iron punt ..	2,812	1,304	123	
21	Iron dredge punt ..	2,310	1,199	77	In good working order ; lately repaired.
22	Do. ..	2,310	706	77	
25	Canal iron punt ..	2,811	762	123	
27	Do. ..	2,811	815	123	
30	Do. ..	2,811	947	123	
31	Do. ..	2,811	1,459	123	
34	Iron flat ..	4,693	1,223	133	In working order.
36	Canal iron punt ..	2,812	1,626	123	
37	Do. ..	2,812	920	123	
38	Do. ..	2,812	1,127	123	
39	Do. ..	2,812	643	123	
40	Iron deep boat ..	4,693	1,829	194	
44	Wooden deep boat ..	2,330	1,795	174	
47	Do. ..	2,000	2,050	174	
48	Do. ..	2,000	2,314	174	
49	Do. ..	2,000	2,733	174	
50	Do. ..	2,117	2,055	174	In good working order ; lately repaired.
50	Iron light boat ..	1,000	603	72	
65	Do. ..	1,000	987	72	
66	Do. ..	1,000	927	72	
67	Do. ..	1,000	723	72	
68	Do. ..	1,000	847	72	
69	Do. ..	1,000	703	72	
70	Do. ..	1,433	776	72	
71	Do. ..	1,433	528	72	
72	Do. ..	1,000	597	72	
74	Do. ..	1,000	474	72	In working order.
75	Do. ..	1,000	474	72	
81	Iron flat ..	7,375	1,269	143	
82	Wooden flat ..	2,722	1,763	154	
83	Do. ..	2,722	2,293	154	
84	Do. ..	2,722	1,912	154	
85	Do. ..	2,722	1,811	154(a)	
86	Do. ..	2,722	2,440	154	
87	Do. ..	2,722	1,647	154	
88	Do. ..	2,800	1,721	154	
89	Do. ..	2,800	1,731	154	In good working order ; lately repaired.
90	Do. ..	2,800	1,136	154	
91	Do. ..	2,800	2,384	154	
92	Do. ..	2,800	2,225	154	
93	Do. ..	2,800	2,425	154	
94	Do. ..	2,405	1,434	133	
95	Do. ..	2,405	1,792	133	
99	Do. ..	2,405	1,786	133	
100	Iron double trap punt ..	4,185	1,578	113	
101	Do. do. ..	4,185	1,222	113	Under repairs.
104	Do. do. ..	4,060	1,885	113	
105	Iron punt ..	6,960	2,065	143	
106	Iron deep boat ..	4,613	3,737	343	
12	2nd Class staff boat ..	820	..	154	
14	1st " " ..	1,400	..	236	
15	2nd " " ..	800	..	154	
16	1st " " ..	1,250	..	236	
17	2nd " " ..	850	..	154	
18	1st " " ..	1,400	..	236	
19	2nd " " ..	850	..	154	In working order.
20	1st " " ..	1,400	..	236	
21	2nd " " ..	840	..	154	
22	Special " " ..	1,783	299	236	
23	Special " " ..	2,411	1,004	236	
24	2nd " " ..	1,141	1,046	154	
25	2nd " " ..	1,141	1,046	154	
26	2nd " " ..	1,141	1,046	154	
	Total ..	1,80,121	88,243	10,204	

No. 969 I., 14TH NOVEMBER 1899.

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

Part II.—Barges, Boats and Punts—cont.									
Registered Number.	Description of Boats.					Value of boat punt.		Probable cost of upkeep during 1900-1901.	Remarks.
						Original.	Present book value.		
Irrigation—cont.									
A	Upper Gódávári barge	..	..	..	Rs.	Rs.	Rs.		
D	Do.	do.	..	..	3,500	3,170	348		
E	Do.	do.	..	..	3,500	2,551	348		
			..	..	3,500	2,997	348		
			Total	..	10,500				
2	Jolly boat	..	..	..		8,698	1,044		
3	Do.	..	..	..	165	178			
4	Do.	..	..	..	340	429	20		
5	Do.	..	..	..	165	255	16		
7	Survey nava	..	..	..	Unknown.		20		
8	Jolly boat of Steam Tug John Mullins	..	..	..	300	300	16		
				..	Unknown.	..	36		
							62		In working order.
			Total	..	970	1,162	170		
			Grand Total	..	1,91,591	98,103	11,418		

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

DETAILED approximate estimate of the annual maintenance of the Irrigation floating plant of the Gódávári Delta.

Particulars.	Steamer Shamrock.	Steamer Victoria.	Steam launch Arthur Cotton.	Steam tug John Mullins.	Canal dredges.	Barges and No. 106 of steam boat.	Canal punts.	Dredger punt, 80 feet long.	Iron light boat.	Wooden flat, 74 feet long.	Staff boat, 1st class.
1	2	3	4	5	6	7	8	9	10	11	12
Docking and launching ..	50	50	50	50	50	25	12	10	10	15	10
Painting ..	500	500	195	550	120	150	31	20	20	110	110
Caulking ..	70	44	18	280	50	30	36	20	10	110	40
Varnishing ..	20	..	..	..	..	..	..	..	..	..	10
Tarring ..	..	..	..	..	50	..	..	..	..	..	..
Ropes, etc. ..	30	30	30	30	30	50	20	10	10	..	..
Lascars ..	..	..	..	..	58	11	10	10	10	14	14
Small stores ..	..	..	..	..	20	..	..	..	..	..	..
General charges ..	83	90	48	85	12	..	..	..	..	..	..
Sundry repairs ..	150	200	100	150	89	35	13	7	12	15	26
Total ..	883	934	441	945	471	348	123	77	72	164	236

Particulars.	Staff boat, 2nd class.	Iron deep boat.	Iron flat and iron punt, No. 105.	Jolly boat, No. 8.	Double trap punts.	Wooden flats, 60 feet 3 inches long.	Iron flat, 60 feet and 6 inches long.	Wooden deep boat.	Jolly boats, Nos. 2 and 4.	Jolly boats, Nos. 3 and 6.	Survey nava.
	13	14	15	16	17	18	19	20	21	22	23
Docking and launching ..	10	30	15	5	12	15	12	25	..	..	5
Painting ..	65	63	45	30	30	..	35	..	8	..	..
Caulking ..	33	20	36	18	30	90	40	99	8	12	24
Varnishing ..	..	..	..	..	..	..	..	..	..	..	..
Tarring ..	..	27	19	..	20	..	20	..	..	..	..
Ropes, etc. ..	12	37	14	2	10	14	15	34	4	..	6
Lascars ..	..	..	..	..	..	..	..	..	..	..	..
Small stores ..	..	..	..	..	..	..	..	..	..	..	..
General charges ..	14	17	14	7	11	14	11	16	..	..	1
Sundry repairs ..	20	..	..	..	..	..	..	..	..	..	..
Total ..	154	194	143	62	113	133	133	174	20	16	36

No. 969 I., 14TH NOVEMBER 1899.

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

Particulars.	Number.		Original value.		Book value.		Cost of upkeep.	
	1900-1900.	1899-1900.	1900-1901.	1899-1900.	1900-1901.	1899-1900.	1900-1901.	1899-1900.
1	2	3	4	5	6	7	8	9
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Steamers ..	4	4	1,11,559	1,11,559	41,160	36,478	3,203	3,120
Dredges, Nos. 2 to 9 ..	8	8	1,83,941	1,83,941	25,333	25,547	3,768	3,680
Barges, Nos. D and B, from Upper Gódávári works ..	3	3	10,500	10,500	8,698	9,665	1,044	1,020
Iron punts, Nos. 3, 6, 7, 10, 11, 15, 17, 20, 25, 27, 30, 31, 36, 37, 38, 39 and 105.	3	3	18,311	18,311	3,883	4,000	419	410
Iron punts, Nos. 1, 34 and 81 ..								
Iron punts, Nos. 3, 6, 7, 10, 11, 15, 17, 20, 25, 27, 30, 31, 36, 37, 38, 39 and 105.	17	17	51,947	51,947	19,558	20,722	2,111	2,060
Iron dredge punts, Nos. 13, 18, 21 and 22 ..	4	4	9,210	9,240	3,500	3,889	308	300
Iron double trap punts Nos. 100, 101 and 104 ..	3	3	12,430	12,430	4,685	5,206	339	330
Iron deep boats, Nos. 40 and 106 ..	2	2	9,306	9,306	5,566	5,846	542	530
Iron light boats, Nos. 65 to 72, 74 and 75 ..	10	10	10,866	10,866	7,163	7,492	720	700
Wooden deep boats, Nos. 44, 47 to 50 ..	5	5	10,447	10,447	10,947	12,164	870	850
Wooden light boat, No. 77.	1	1	750	750	..	362	..	75
Staff boats, first-class, Nos. 14, 16, 18, 20, 22 and 23 ..	15	15	40,347	40,347	28,500	28,015	2,247	2,190
Staff boats, 2nd-class, Nos. 12, 15, 17, 19, 24, 25 and 26.	6	6	9,644	9,644	1,303	1,653	1,416	1,380
Jolly boats and survey navas, Nos. 2 to 5 and 7 and 8 ..	8	8	7,583	7,583	3,138	3,423	1,232	1,200
	6	6	970	970	1,162	1,075	170	167
Total ..	94	95	4,87,691	4,87,841	1,64,596	1,65,537	18,389	18,012

(Signed) C. MILDRED,
Ex. Engr., Gódávári Eastern Division.

5th September 1899.

No. 213 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, I Circle, submits the accompanying annual statements of the cost of maintenance of the floating plant of the Gódávári Delta System for the next official year. The estimate for 1900-1901 amounts to Rs. 18,389, or Rs. 377 more than the current year's estimate. The increase is due to the Dowlaishwaram workshop rates for "general charges" having been enhanced from 2 to 5 per cent. from the beginning of the current official year.

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

1st November 1899.

ORDER—No. 969 I., dated 14th November 1899.

The estimate of the cost of maintenance of the floating plant of the Gódávári delta system is approved; Rs. 18,389 will be provided on this account in the budget estimates for "Major works" for 1900-1901.

(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.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following

Maintenance of the floating plant of the Godavari Delta System. Note submitting the annual statements of cost.
From the Superintending Engineer, 1st Circle, No. 2026 G.E. dated 26th September 1899

No. 2132 G.E. 1st 11-99

Note by the Chief Engineer for Irrigation

The Superintending Engineer, 1st Circle submits the accompanying annual statements of the cost of maintenance of the floating plant of the Godavari delta system for the next official year. The estimate for 1900-1901 amounts to Rs. 18,389, or Rs. 377 more than the current year's estimate. The increase is due to the Bowlaishwaram lockshop rates for "general charges" having been advanced from 2 to 5 per cent. from the beginning of the current official year. No. 969 G.E. 1st 11-99.
Order thereon
The estimate of the cost of

Note print statements
Sd/-
Asst.

90

From
Sd/-
6/11

maintenance of the floating
plant of the Godavari delta
system is approved; Rs 18,389
will be provided on this account
in the budget estimates for
"Major works" for 1900-1901.

G.S.H.
4.11.99

30/10
28.
1.11.99

The Chief Engineer for Irrigation,
Godavari Delta System,
is requested to submit the account
of the floating plant of the Godavari
Delta System for the year 1900-1901
in the budget estimates for 1900-1901.
The estimate for 1900-1901
amounts to Rs 18,389 or Rs 18,389.
The estimate for 1900-1901
amounts to Rs 18,389 or Rs 18,389.
The estimate for 1900-1901
amounts to Rs 18,389 or Rs 18,389.

To,
The Chief Engineer for Irrigation,
a Supp: — do — L. Field,
a Examiner P.W. account

4.10.99
E. Form No 1-200-27-3-95
14.10.99

14.11.99

Public Works (1899) Department.

CURRENT No. 9098

From the Chief Engineer
for Irrigation

Order

No. 213.1

Dated 1 Nov 1899.

Received }
Registered } 8-11-99
Enclosures } Plans 4 } Total 4
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SUBJECT.

Floating plant of
the Godavari Delta
System — Note
submitting the annual
statements of the cost
of maintenance of the

28

14

BACK PAPERS.

FURTHER PAPERS.

Public Works (1897) Department.

CURRENT No. 129 *GR*

Order

No. 2026 G 2

Dated 26.9.99

Received \$ 3 - 10 - 99

Registered

Enclosures 7. Stalls.

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SUBJECT.

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FROM

~~THE~~ SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO

THE CHIEF ENGINEER

FOR IRRIGATION

WALT AIR,

189

Enclosures. 3

Camp, Chettipett Dy 26-9-'99.
30

SIR,

I have the honor to submit here.

FOR INFORMATION...
3-OCT. 1899
129 G.D.

with the annual statements parts I & II together
with the abstract for the Irrigation and naviga-
tion of floating plant for the ensuing official
year 1900-1901.

2. Wooden light boat No 77 has been sold and consequently omitted from the list.

3. The probable cost of the maintenance of floating plant for 1900-1901 is estimated at Rs 18,389 exclusive of the cost of upkeep of ferry ballants on different canals. The increase of Rs 377 over the last year's estimate is due to the Dowlaishwaram wharf - shop rates for "General charges" having been enhanced from 2% to 5% from 1st April 1899. Required funds will be applied for in the budget.

Your most ob^d serv^t

W. D. Morgan
27.9.99
Superintending Engineer
Circle.

Abstract showing the Comparisons of details between the Estimated Amounts Cost of the Plant in the Godavari District for 1899-1900 and 1900 & 1901

Particulars	Number		Original value		Book Value		Cost of up kept	
	1900-1901	1899-1900	1900-1901	1899-1900	1900-1901	1899-1900	1899-1900	1899-1900
1	2	3	4	5	6	7	8	9
Shamers	4	4	11,539	11,539	41,160	36,478	3203	3120
Dredges Nos 2 to 9	8	8	1,83,941	1,83,941	25,333	25,547	3768	3680
Barge Nos D & E	3	3	10,500	10,500	8698	9657	1044	1020
Upper Godavari works	3	3	18,311	18,311	3883	4000	419	410
Now flat No 1, 34 & 81	17	17	57947	57947	19538	20722	2111	2060
Do. Put to No 3. 5. 7. 10. 11	4	4	9240	9240	3500	3889	308	300
15, 17, 20, 25, 27, 30, 31, 36, 37, 38	2	2	9306	9306	5866	5846	542	530
39 & 105	10	10	10866	10866	7163	7492	720	700
Now Dredge put to No	5	5	10447	10447	10947	12164	870	850
13, 18, 21 & 22	1	1	a	750	a	362	a	750
Do. Double trap put to	15	15	40347	40347	28500	28075	2247	2190
Now 100. 101 & 106	6	6	9644	9644	1303	1653	1416	1380
Now Dredge put to No	8	8	7583	7583	3188	3423	1232	1200
40 & 106	6	6	970	970	1162	10757	170	167
Do. Light boat - No 65 & 72, 74	95	95	487091	487,841	1,64,596	1,65,537	18,389	18,012
Now Dredge put to No 65 & 72, 74	94	94	487091	487,841	1,64,596	1,65,537	18,389	18,012
Do. Light Boat - No 77								
Do. Flat No 82 & 95 & 99								
Staff Boat first class, 14, 16								
18, 20, 22 & 23								
Do. 2nd class 12, 13, 17, 19								
24, 25 & 26								
Golly Boat & Survey								
Now No 2 to 5 & 7 & 8								
Total								

by Comdant.
S. Engineer G.E.

Sargt. Engineer
L. C. L.

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35-OCT-1899
2/129 G.D.

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Return No 27

Statement of the Engineer showing floating plant in the Esdary District showing the Estimated cost of upkeep during the year 1900-1901

Part-I Steamers & Steam Dredges

Registered Number	Description	Name of steamer &c	Value of Plant		Probable cost of upkeep 1900-1901	Remarks
			Original	Present Value		
1	2	3	4	5	6	7
	Steamer	Mugation				
	Do	Shamrock	20014	8395	883	On working order
	Do	Arthur Cotton	9535	5765	441	
	Do	Victoria	50956	15094	934	
	Steam Tug	Johan bullius	31054	11906	945	
		Total	111539	41160	3203	
2	Dredger	Canal iron dredger, single bucket ladder, and delivery	15395	687	471	Under repairs
3	Do	Canal iron dredger, single bucket ladder side delivery	30437	2483	471	Under repairs
4	Do	Do	30437	51462	471	Under repairs
5	Do	Do	30437	2347	471	Under repairs
6	Do	Do	31097	3391	471	Under repairs
7	Do	Canal iron dredger, single bucket ladder	16580	2091	471	On working order
8	Do	Do size A1	13438	2647	471	
9	Do	Do size A2	16120	6246	471	
		Total	183941	25333	3768	
		Grand Total	295300	66493	6971	

Rules for finding present book value

1. Steamers to be reduced 10 percent every year & the amount of annual repairs, if any, must be added thereto.

2. Steam dredgers to be reduced 15 percent every year & the amount of annual repairs, if any, must be added thereto.

By C Milnes.
S. E. E. E. E.

Surveyor
Engineer
Civil

	Drainage	Rs	Rs	Rs.	
1	Iron flat	6243	1388	143	In good working order. Lately repaired.
3	Canal iron punt	2811	913	123	
5	do	2812	1224	123	
7	do	2812	1149	123	
10	do	2812	758	123	
11	do	2812	889	123	In working order.
13	Iron dredge punt	2310	1043	77	
15	Canal iron punt	2812	1501	123	
17	do	2812	1456	123	
18	Iron dredge punt	2310	852	77	
20	Canal iron punt	2812	1304	123	In good working order. Lately repaired.
21	Iron dredge punt	2310	1199	77	
22	do	2310	706	77	
25	Canal iron punt	2811	762	123	
27	do	2811	810	123	
30	do	2811	947	123	
31	do	2811	1459	123	
34	Iron flat	4693	1226	133	

48	do	2000	2750		under repairs.
49	do	2117	2005	174	In working order.
50	do				
60	Iron light boat	1000	603	72	In good working order. Lately repaired.
66	do	1000	987	72	
67	do	1000	927	72	In working order.
68	do	1000	723	72	
69	do	1000	847	72	do.
70	do	1000	703	72	
71	do	1433	776	72	5m
72	do	1433	526	72	
74	do	1000	597	72	do.
75	do	1000	474	72	
81	Iron flat	7375	1269	143	

82	wooden flat	2722	1763	1574	
83	do.	2722	2293	1574	In working order.
84	do	2722	1912	1574	
85	do	2722	1811	1574	
86	do	2722	2440	1574	In good working order. lately repaired.
87	do	2722	1647	1574	
88	do	2800	1721	1574	In working order.
89	do.	2800	1731	1574	In good working order. lately repaired.
90	do	2800	1136	1574	Under repairs
91	do	2800	2384	1574	In working order.
92	do	2800	2223	1574	In good working order. lately repaired.
93	do	2800	2425	1574	
94	do	2405	1434	133	Under repairs.
95	do.	2405	1792	133	In good working order. lately repaired.
99	do.	2405	1788	133	In working order.
100	Iron double trap				
	Paint.	4185	1578	113	
107	do.	4185	1222	113	Under repairs.
107	do.	4060	1885	113	

105	Iron Paint	6960	2065	1434	
106	Iron deep boat	4613	3737	348	
12	2 nd (Cross Staff and S20)	"	"	1574	
14	First - do.	1400	"	236	
15	2 nd do	800	"	1574	In working order.
16	1 st do	1250	"	236	
17	2 nd do.	850	"	1574	
18	1 st do	1400	"	236	✓
19	2 nd do.	800	"	1574	
20	1 st do.	1400	"	236	
21	2 nd do	840	"	1574	
22	General	1783	299	236	
23	do - do	2411	1004	236	
24	2 nd do.	1141	1046	1574	
25	do do	1141	1046	1574	
26	do do	1141	1046	1574	
	Total	180121	88243	10204	
A	Upper Godavari	3500	3170	348	
D. 2	Large do.	3500	2551	348	
	do.	3500	2997	348	
		10500	8694	1044	

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2	Jolly boat	165 ✓	178	20
3	do	340 ✓	429	16
4	do	165 ✓	255	20
5	do	unknown	"	16
7	Survey maw	300	300	36
8	Jolly boat of Steam tug John Mullins	unknown	"	64
	Total	970	1162	170
	Grand total	191591	2803	11418

See working order.

Rules for finding present book value

- (1) Boats and barge to be reduced 10% every year and the amount of special repairs, if any, must be added.
- (2) Staff boats to be reduced by $\frac{1}{12}$ of their original cost for each

year of their life.

By C. H. L. and
S. Argueman, Esq.

March 27, 1909

Sub. 9: Argueman.
Circle,

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Swaled approximate Estimate of the annual maintenance of the Derivation Road
my plant of the Gadavai Delta.

[illegible]

Return No. 27.

Return No. 27.
 Statement of the Navigation Routing Plans in the Godavari District
 showing the estimated cost of the upkeep during the year 1900-1901.
 Part II Barges, boats and punts.

Registered Number.	Description of boats	Value of boats plant.	Probable cost of
			Original Present upkeeps book value during

