

(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.	2400	Press
B.P. No.		Mis.
Dated	20-8-	1875-195-

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
20th August 1875.*

No. 351. Read the following letter from Major J. BEATTY, R.E., Acting Superintending Engineer, Godavery, to Major J. O. HASTED, R.E., Officiating Chief Engineer for Irrigation, dated Dowlaishweram, 31st July 1875, No. 1,377 :—

With reference to your memorandum, No. 566, of 28th May 1875, I have now the honor to furnish three lists giving additional information regarding the range boats.

3 Statements.

2. Statement A is a revised statement for 1874 showing *all* the boats; some were omitted in the original statement, as it was supposed that information was only required regarding the seven boats mentioned in the G. O. of 1873. The numbers given in the statement of last year were not the numbers *on* the boats, but these I have now given.

3. Statement B is a revised statement for this year showing the boats of each class separately. This statement shows the total earnings and expenditure of each boat since it was built or purchased. It will be seen that the first-class boats have paid about 10 per cent. per annum in addition to the cost of repairs, while the second and third-class boats have done little more than pay for their repairs. The reason of this seems to be that officers keep boat lascars to look after and work their boats, while it is believed that subordinates do not, and that the boats in their charge receive ill-usage, which necessitates their being frequently under repair. As a remedy for this, I request sanction to charge subordinates a fixed rent for their boats, being a percentage on the original cost, in addition to the actual cost of repairs, and to leave it optional with them to have the repairs carried out at Dowlaishweram or elsewhere if they prefer it.

4. Statement C shows the earnings and expenditure of each boat for 1874-75. This statement has been prepared in the form given in Proceedings of Madras Government of 6th June 1874, No. 1,487.

5. With regard to the number of months the boats have been in use, I may mention that officers and subordinates using boats are not charged for the time a boat is under repair nor for the time the canals are closed.

A.

Revised Statement showing the Date of Completion, Earning, &c., up to 31st March 1874 of Range Boats in the Godavery District.

NUMBERS.			Original Cost of Boats.	Date of completion.	Monthly Boat Hire fixed.	Amount received for Hire.	Amount spent for Repairs.	Amount reserved for Repairs and Reconstruction.	Remarks.	
As shown in the original Statement.	Old numbers on the Boats.	New numbers now given to the Boats.								
1	3	4	1,200	1869-70	24	83	4 3	491 9 7	396 10 8	These boats were shown in the original statement and constructed under sanction accorded in G. O., No. 1,352, of 1st May 1868.
2	6	6	800	"	16	78	15 0	353 13 9	427 1 3	
3	9	10	400	"	8	18	3 11	216 6 2	87 1 3	
4	1	8	1,200	1868-69	24	1,220	2 1	746 14 5	473 3 8	
5	5	7	800	1869-70	16	415	6 1	395 11 7	19 10 6	
6	8	9	400	1868-69	8	178	4 5	241 14 5	63 10 0	
7	7	8	400	Used as a range boat from 1870-71.	10	236	8 11	426 0 8	152 7 13	
			5,200	---	---	3,904	12 8	2,872 6 8	1,032 6 0	

Proceedings of the Madras Government, Public Works Department,
20th August 1875.

Revised Statement showing the Date of Completion, Earning, &c.—(Concluded.)

NUMBERS.			Original Cost of Boats.	Date of completion.	Monthly Boat Hire fixed.	Amount received for Hire.	Amount spent for Repairs.	Amount reserved for Repairs and Re-construction.	Remarks.
As shown in the original Statement.	Old numbers on the Boats.	New numbers now given to the Boats.							
...	2	2	Rs. 900	1870-71	Rs. 24	Rs. A. P. 832 4 2	Rs. A. P. 199 12 4	Rs. A. P. 632 7 10	Purchased, vide G.O., No. 538, of 24th Feb. 1871.
...	4	...	400	...	10	532 7 10	363 4 1	169 8 9	Broken up and sold by auction, vide G.O., No. 531, of 2nd March 1874.
...	10	1	1,557	1872-73	24	300 0 0	122 10 8	177 5 4	Built from Agricultural repairs by Colonel Fischer.
...	11	5	783	"	20	56 0 0	9 2 2	46 13 10	This was a paddle boat received from Upper Godavery now used as a range boat.
Grand Total ...			8,840	...	...	1,720 12 0	694 13 8	1,025 14 9	
Grand Total ...			8,840	...	...	5,625 8 8	3,567 8 11	2,058 4 9	

N.B.—The last four boats were not shown in the original statement on the assumption that a statement of only those seven boats which were shown in the statement embodied in G.O., No. 1,749, of 7th July 1873, was required to be submitted every year.

B.

Statement showing the Date of Completion or Purchase, Earnings, &c., up to 31st March 1875 of Range Boats in the Godavery District.

NUMBERS ON THE BOATS.		Original Cost of Boats.	Date of completion or purchase.	Monthly Boat Hire fixed.	Amount received for Hire.	Amount spent for Repairs.	Amount reserved for Repairs and Re-construction.	Remarks.
Old.	New.							
10	1	Rs. 1,557	1872-73	Rs. 24	Rs. A. P. 599 5 2	Rs. A. P. 199 10 8	Rs. A. P. 399 10 6	This statement shows the total earnings and expenditure on each boat from the date it first became available for use.
2	2	900	1870-71	24	1,012 9 1	316 8 0	696 1 1	
1	3	1,200	1868-69	24	1,444 8 7	806 14 5	637 10 2	
3	4	1,200	1869-70	24	1,044 4 8	501 9 7	542 10 8	
11	5	783	1872-73	2	234 8 5	118 2 2	116 6 3	
Total 1st-class		5,640	...	...	4,335 8 6	1,942 12 10	2,392 6 8	
6	6	800	1869-70	16	916 9 6	461 9 9	454 15 9	
5	7	800	1869-70	16	476 14 11	480 11 7	3 12 8	
Total 2nd-class		1,600	...	...	1,393 8 5	942 5 4	451 3 1	
7	8	400	Used as a range boat from 1870-71.	10	279 2 5	453 0 9	178 14 4	
8	9	400	1868-69	8	292 6 8	232 6 5	10 0 3	
9	10	400	1869-70	8	255 5 2	242 10 2	12 11 0	
Total 3rd-class		1,200	...	...	826 14 3	983 1 4	126 3 1	
Grand Total.		8,840	...	...	7,088 2 0	4,231 7 7	2,856 10 5	Broken up and sold, vide G.O., No. 531, 2nd March 1874.

Proceedings of the Madras Government, Public Works Department,
20th August 1875.

C.

Statement showing the Earnings, &c., of Range Boats in the Godavery District during the year 1874-75.

NUMBERS.		Months on Hire.	Earnings.	Expenditure on Repairs.	Balance of Earnings.	Original Cost.	Monthly Boat Hire fixed.	Remarks.
Old.	New.							
10	1	13	Rs. A. P. 299 5 2	Rs. A. P. 77 0 0	Rs. A. P. 222 5 2	Rs. 1,557	Rs. 24	This statement shows the earnings of each boat and the expenditure on it during 1874-75.
2	2	7 1/2	180 4 11	116 11 8	63 9 8	900	24	
1	3	9 1/2	224 6 6	60 0 0	164 6 6	1,200	24	
3	4	6 1/2	156 0 0	10 0 0	146 0 0	1,200	24	
11	5	9	178 8 5	109 0 0	69 8 5	783	20	
Total 1st-class			1,038 9 0	372 11 8	665 13 4	5,640		
6	6	8 1/2	135 10 6	107 12 0	27 14 6	800	16	
5	7	4	61 8 10	85 0 0	2 7 1	800	16	
Total 2nd-class			197 8 4	192 12 0	4 7 4	1,600		
7	8	4	42 9 6	32 0 0	10 9 6	400	10	
8	9	12	114 2 3	40 8 0	73 10 3	400	8	
9	10	9	70 1 3	26 4 0	43 13 3	400	8	
Total 3rd-class			226 13 0	98 12 0	128 1 0	1,200		
Grand Total.			1,462 9 4	664 3 8	798 5 8	8,440		

DOWLAISHWERAM,
31st July 1875.

(Signed) J. BEATTY, Major, R.E.,
District Engineer, Godavery.

No. 907.

MEMORANDUM.

WITH his letter, No. 516, of the 11th May last, the District Engineer, Godavery, submitted the usual annual statement of range boats for the preceding official year. The results appeared to be more satisfactory than before, but it was pointed out that comparison between this and previous statements could not be made. The District Engineer has now transmitted more complete statements, including all the boats and showing the financial results up to the 31st March 1874, up to 31st March 1875, and the earnings, &c., during the past year. It is considered that Major Beatty deserves credit for the attention he has given to this matter. In 1873-74 the outlay on repairs of the seven boats reported exceeded the earnings by Rupees 130. In 1874-75 the earnings of ten boats exceeded the cost of upkeep by Rupees 798-5-8, and the balance to credit of the boats has been increased by this sum, being about 9 per cent. on the capital of Rupees 8,840 expended on their provision, while the reserve now amounts to nearly one-third of the capital value. It is to be noticed that the boat, old No. 4, which has been sold should have been included in the statement up to the 31st March 1875, and should be shown in all future statements. The requisite entry on its account has been made; the balance to its credit when sold being only Rupees 169-3-9 against an original cost of Rupees 400, there has been a loss in connection with it of Rupees 231.

2. There are some remarkable differences in the financial results obtained in the case of certain boats. Thus No. 6 (new) has paid very well; but No. 7 has cost more

*Proceedings of the Madras Government, Public Works Department,
20th August 1875.*

to repair and has earned but little more than half as much as the other, though built in the same year at the same cost.

3. As mentioned by Major Beatty all the first and second-class boats, with the exception of No. 7, have done fairly; but the reserve established for the third-class is only about one-eighth of the capital value, instead of more than one-third in the case of the other two classes, and he suggests as a remedy that there should be for the third-class boats a fixed charge for hire in addition to cost of repairs, leaving it optional with the hirers to select the arrangements under which repairs would be executed. It is thought, however, that only at the Government Workshops can the proper standard of efficiency be maintained, and that all, except petty repairs, which the hirer may be disposed to pay for himself, should be done at the workshops. The best plan will be, seeing that repairs ought not to cost more than half the earnings, to authorize the District Engineer to charge the hirers the cost of making good all damage sustained by improper usage of the boats, in addition to the ordinary fixed rates of hire.

OOTACAMUND,
13th August 1875.

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
Officiating Chief Engineer.

No. 352.

ORDER THEREON, 20th August 1875, No. 2,400.

IRRIGATION, No. 22.

RECORDED, with the remark that the accounts of the range boats, Godavery District, for the year 1874-75, exhibit a marked and satisfactory improvement, and that the recommendation of the Officiating Chief Engineer in the foregoing memorandum regarding the recovery of the cost of making good damage caused by improper usage of boats, is approved.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the Acting Superintending Engineer, Godavery. ✓
" Controller of Public Works Accounts. ✓
" Chief Engineer for Irrigation. ✓

Exd. E. C. Shunker.
Spare Copies

56

Handwritten notes and signatures on the right page, including "G/O 20th August 1875" and "W.E. 357".

Statement showing the date of completion, varying Rs up to 31st March 1874, of Range Boats in the Godavary District.

Numbers	Original Date of Completion	Amount spent for reserved	Remarks
1	1200 1869.70	24 888-4-3 491-9-7 396-10-8	
2	800	16 780-15-0 353-13-9 427-1-3	
3	400	8 185-3-11 216-6-2 31-2-2	
4	1200 1868.69	24 1220-2-1 746-14-5 473-3-8	
5	800 1869.70	16 415-6-1 395-11-7 19-10-6	
6	400 1868.69	8 178-4-5 241-14-6 33-10-0	
7	400	10 236-8-11 426-0-9 187-7-11	
8	5200	3904-12-8 2872-6-8 1032-6-0	
9	900 1870.71	24 832-4-2 199-12-4 632-7-10	
10	400	10 532-7-10 363-4-1 169-3-9	
11	1557 1872.73	24 300-0-0 122-10-8 177-5-4	
12	783	20 56-0-0 9-2-2 46-13-10	
13	4	3 1720-12-0 694-13-3 1025-14-9	
14	8840	5625-8-8 3567-3-11 2058-4-9	

N. B. The last four boats were not shown in the Original statement on the assumption that a statement of only those 7 boats, which were shown in the statement embodied in G. O. No. 1749 of 7th July 1873 was required to be submitted every year.

District Engineer's Office Godavary
Doulaiswarain 31st July 1875.

Major R. E.
District Engineer Godavary.

Compd

96-203-August/75

A. W. 1535

Statement showing
the date of completion,
earning see up to 31st
March 1874 of Ranger,
Boats in the Lydonary Dist.

56/645-11

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[illegible]

Statement shewing the state
of completion or purchase of
Earnings up to 31 March 1880.
of Range Boats in the Co.
-davery District.

Mr. 522/25

Statement showing the date of completion or purchase, earnings &c up to 31st March 1875.
of Range Boats in the Godavery District.

Numbers on the boats	Original Date of Completion	Cost of Boats	Boats purchased fixed for hire	Amount received spent for repairs	Amount reserved for repairs and re-construction	Remarks
old						
10	1872-73	1557	24	599.5.2	199.10.8	399.10.8
2	1870-71	900	24	1012.9.1	316.8.0	696.1.1
1	1868-69	1200	24	1444.8.7	806.14.5	637.10.2
3	1869-70	1200	24	1044.4.3	501.9.7	542.10.8
11	1872-73	783	20	234.8.5	118.2.2	116.6.3
Total 1 st class.		5,640		4,335.3.6	1,942.12.10	2,392.6.8
6	1869-70	800	16	916.9.6	461.9.9	454.15.9
5	1869-70	800	16	476.14.11	480.11.7	
Total 2 nd class		1,600		1,393.8.5	942.5.4	451.3.1
7	Used as a Range Boat from 1874	400	10	279.2.5	458.0.9	175.11.4
8	1868-69	400	8	292.6.8	282.6.5	10.0.3
9	1869-70	400	8	255.5.2	242.10.2	12.11.0
Total 3 rd class		1,200		826.14.3	983.1.4	152.1.1
4		1,100		532.9.10	300.6.1	167.1.7
Grand Total		8,440		6,555.10.2	3,868.3.6	2,687.6.8
		8,840		7,088.2	4,231.7	7285.10.0

Balance up to 31st March 1875.
Rs 531.2.10
411

P. Scary Major R.E.
District Engineer Godavery

Dowlaiswarum
31st July 1875

Compd

Received of
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Statement showing
 the Earnings Year of
 Range Roads in the
 Godavery District
 during the year 1874/75

Mr. 540 2/25

Statement showing the Earnings &c of Range Boats in the Godavery District during the year 1874/75

Numbers	Months exp hire	Earnings			Monthly Boat hire	Remarks.
		Earnings	On repairs	Balance of Earnings		
10	1	299-5-2	77-0-0	222-5-2	1557	This Statement shows the earnings of each boat, and the respon- sibility on it, during 1874/75.
2	2	180-4-11	116-11-8	63-9-3	900	
1	3	224-6-6	60-0-0	164-6-6	1200	
3	4	156-0-0	10-0-0	146-0-0	1200	
11	5	178-8-5	109-0-0	69-8-5	783	
Total 1st Class		1038-9-0	372-11-8	665-13-4	5640	
6	6	135-10-6	107-12-0	27-14-6	800	16
5	7	61-8-10	85-0-0	23-7-2	800	16
Total 2d Class		197-3-4	192-12-0	4-7-4	1600	
7	8	142-9-6	32-0-0	10-9-6	400	10
8	9	114-2-3	40-8-0	73-10-3	400	8
9	10	70-1-3	26-4-0	43-13-3	400	8
Total 3d Class		226-13-0	98-12-0	128-1-0	1200	
Grand Total		1462-9-4	664-3-8	798-5-8	8440	

1875
8 1/2
8 60

172

Dowlaiswaram
31st July 1875

L. Beatty. Major R.E.
District Engineer Godavery

Compd

N^o 1377

8 / 11
A^d Superintending Engr^s Office Godav^y

Dowlaisheram 31st July 1875

Dep^t 5th Augst 75

From,

The A^d Superintending Engineer
Godavery

To,

The Chief Engineer for Irrigation
Madras

Sir,

With reference to your Memorandum
N^o 566 of 28th May 1875, I have now the
honor to furnish 3 Lists giving additional
information regarding the Range Boats.

2. Statement **A** is a revised State-
ment for 1874 showing all the boats;
some were omitted in the original State-
ment as it was supposed that information
was only required regarding the 7 boats
mentioned in the G.O of 1873. The
numbers given in the Statement of last
year were not the numbers on the boats;
but these I have now given -

3. Statement **B** is a Revised State-
ment

Enclos. 3

3. Statement

Statement for this year showing the boats of each class separately. This Statement shows the total earnings and expenditure of each boat since it was built or purchased. It will be seen that the 1st class boats have paid about 10 per cent per annum in addition to the cost of repairs, while the second and third class boats have done little more than pay for their repairs. The reason of this seems to be that officers keep boat lascars to look after and work their boats, while it is believed that subordinates do not and that the boats in their charge receive ill-usage, which necessitates their being frequently under repair. As a remedy for this I request sanction to charge subordinates a fixed rent for their boats, being a percentage on the original cost, in addition to the actual cost of repairs, and to leave it optional with them to have the repairs carried out at Dowlaishweram or elsewhere.

elsewhere if they prefer it. 2
4. Statement C shows the earnings and expenditure of each boat for 1874/75. This Statement has been prepared in the form given in Proceedings Madras Government of 6th June 1874 No 1487.

5. With regard to the number of months the boats have been in use, I may mention that officers and subordinates using boats are not charged for the time a boat is under repair nor for the time the Canals are closed.

I have the honor to be
Sir

Your Most Obedt Servant.
L. Beatty. Major R.E.
As Superintending Engineer Godd.

Irrigation.

No 907
Memorandum.

Enclosures
4.

With his letter No. 516 of the 11th May last the District Engineer Godavery submitted the usual annual statement of Range boats for the preceding official year. The results appeared to be more satisfactory than before, but it was pointed out that comparison between this and previous statements ^{could not be made}. The District Engineer has now transmitted more complete statements, including all the boats, and showing the financial results up to the 31st March 1874, up to 31st March 1875, and the earnings &c during the past year. It is considered that Major Beatty deserves credit for the attention he has given to this matter.

In

Letter No 907-13 dated 13/5

21/5/75
Memo
The Dy. Supt. Godavery

The Dy. Supt. Godavery
Chief Engineer for
Irrigation
Madras

Dated 31/5
Ref. 27/5
Recd 9/6

Enclosure three
With reference to Chief
Engineers Memo No 566
of 28th May 1875 for
= which three statements
giving additional in-
formation regarding
Range boats -

90-20 May 1875

B-12357

See - 16-8-75 Old 20/5/75
At. Mark 9 Aug 8.

17/5/75
4/7/75

In 1873-74 the outlay on repairs of the
7 boats reported exceeded the earnings
by Rupees 130. In 1874-75 the earnings
of 10 boats exceeded the cost of up keep
by Rupees 498. 5-8 and the balance
to credit of the boats has been increased
by this sum ~~being~~ being about 9
per cent on the Capital of Rupees
8840 expended on their provision,
while the reserve now amounts to
nearly $\frac{1}{2}$ of the Capital value.
It is also noticed that the boat, old
number 4, which has been sold should
have been included in the statement
up to the 31st March 1876, and should
be shown in all future statements.
The requisite entry on its account
has been made: the balance to its
credit when sold being only Rs 167-3-9
against an original cost of Rs 400
there has been a loss in connection
with it of Rupees 231.

7th
2. There are some remarks made
differences in the financial results
obtained in the case of certain boats.
Thus No. 6 (new) has paid very well,
but No. 7 has cost more to repair and
has earned but little more than half
as much as the other, though built
in the same year at the same cost.
3. As mentioned by Major Beatty
all the 1st and 2nd class boats with the
exception of No. 7 have done fairly
but the reserves established for the
3rd class is only about $\frac{1}{8}$ of the
capital value, instead of more than
 $\frac{1}{2}$ in the case of the other two classes,
and he suggests as a remedy that
there should be for the 3rd class boats
a fixed charge for hire in addition
to cost of repairs, leaving it optional
with the hirers to select the ar-
rangements under which repairs

would be executed. It is thought how-
-ever that only at the Government Dock
shops can the proper standard of
efficiency be maintained, and that
all except petty repairs, which the
hires may be disposed to pay for
himself, should be done at the
Dock shops. The best plan will
be, seeing that repairs ought not
to cost more than half the earnings,
to authorize the District Engineers
to charge the hires the cost of
making good all damage sustained
by improper usage of the boats,
in addition to the ordinary fixed
rates of hire.

Wm. L. L. L.
Sault Falls M. Co.
Offg. Chief Engineer

O. L. L. L.
13th August 1875

To the Offg. Secy. W. L. L.
S. F. M. Co.

G.O. 1 Aug 1875 No 12-13
 " 24 July 1875 - 112-114
 " 7 July 1875 - 112-114
 " 2 Aug 1875 - 24-26
 " 6 June - 107-108
 " 15 July - 295-296
 " 17 Aug - 335-338

P. W. 1875 Sept.
 No: 5437

From
 The Offg. Chief
 Engineer

Dated 12 Aug. 1875.
 Recd. 23 - 1875.
 E. 43 No: 907.

In memo. on statement
 showing the earnings of
 of Range Boats in the
 Godavery Str. for 1874-75.
 S.B. 2400. 20-8-75.

CV-357

No 2400

S.B. 2400

Pro: of the head and last 9

Under date the 20 Aug 75.

Read the following

From
 the offg. Chief Engr. (H. E. No 907 of 13 Aug 75)

Recorded with the
 remark that the ac-
 counts of the Range
 boats, Godavery Dis-
 trict, for the year
 1874-75 exhibit a
 marked and satisfac-
 tory improvement,
 and that the recom-
 mendation of the
 offg. Chief Engineer
 in the foregoing memo,
 regarding the recovery
 of the cost of making
 good

4/11

good damage caused
by improper use
of boats, is approved.

by 13/8

Agg. & dep. for damage = 9 - 9
Cont. & wife = 5 - 5
Chap. & wife = 5 - 5

sc dep
7-9-75

31/4

Don't know

12-357/2

15-12-05 ✓

5437 ✓

Dist. of Madras.
PUBLIC WORKS.

To

Mr. J. J. J. J.



Gadbury

Index

Recd.

Encl.

G. O. 20 Aug. 1875, No. 2400

Nos. 351-352

Statement showing the
Earnings &c of the Range Keats
in the Cordary Dt for the
Year 1874-75. The note by the
offg Chief Engineer in —,
recorded with remarks —