

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.**Government of Madras.***Public Works* **DEPARTMENT.**

G.O. No.	1313	Press
411,412		Mis:
Dated	14 5	18 1/2

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
14th May 1872.*

No. 411. Read the following letter from the Acting Superintending Engineer, 1st Division, to the Acting Chief Engineer for Irrigation, dated Dowlaishweram, 19th April 1872, No. 265:—

ADVERTING to your letter No. 22 of the 14th ultimo, I have the honour to forward a statement showing the numbers of boats we have in use at present in this district. The boat referred to by the Executive Engineer as belonging to the Western Delta, and not entered in the list, is a boat lying in the Wayeeroo river, and cannot be got out till the new lock at Muddapuram is finished.

2. I beg to state our estimates do not provide for "tools and plant;" a separate provision for this was made in the general abstract statement for the whole delta sent up with the Central Delta Project more than a year ago, and this course is strictly in accordance with the practice ordered to be observed by the Government of India. I am therefore at a loss to know why it should have been supposed the estimates for works provided for "tools and plant."

3. I have endeavoured to the best of my ability to show how necessary it is to have this plant in good working order for such works as these, and this has been fully demonstrated by the experience of many years. I do not therefore know what more I can add on the subject, beyond saying that very great delay has already occurred in getting material down for sanctioned works; our quarries are getting choked with material, and there is no probability of our making any further satisfactory progress with these Loan Fund works until this plant has been increased very considerably. I trust therefore I may no longer be held responsible for any delays the Government have to complain of.

From the Executive Engineer in charge of No. 1 Range, Godavery, to the Acting Superintending Engineer, 1st Division, dated Dowlaishweram, 10th April 1872, No. 25.

In reply to your memorandum No. 3,794, dated 12th March, I have the honour to forward a list of the boats in use in No. 1 Range, and also those at work in No. 3 range; with regard to the latter Mr. Walch states there are thirteen iron punts in his range, and that they are at present working in this range. I beg to bring to notice that only twelve have been received, and, therefore, I have entered only twelve in the list forwarded.

2. These boats are used for dredging purposes for the conveyance of stone, lime, sand, gravel, etc., for the use of the delta works, and without them we could not carry on the works; all the estimates are as before reported prepared on the supposition that Government boats are available, therefore no saving is to be expected.

With regard to the number required, I am unable to give a positive opinion, but I think in this range six new large punts* could be worked advantageously.

* 72 x 13.

Boats belonging to No. 1 Range, Godavery District.

Description of Boat.	Nos.	Former numbers.	Present numbers.	Remarks.
IRON BOATS.				
<i>Boats without decks.</i>				
80 x 10½ x 4½ ...	1	2	2	
93 x 9½ x 4½ ...	1	13	13	
60 x 12½ x 5 ...	1	8	8	
60 x 11½ x 5 ...	1	11	11	
35 x 8½ x 3 ...	6	Not numbered	29,30,31,33,34,35.	

*Proceedings of the Madras Government, Public Works Department,
14th May 1872.*

Boats belonging to No. 1 Range, Godavery District.—(Concluded.)

Description of Boat.	Nos.	Former numbers.	Present numbers.	Remarks.
<i>Iron-decked boats.</i>				
61 × 11½ × 3½	1	12	12	
60 × 10½ × 2' 10"	18	17, 55, 9, 14, 15, 16, 10, 19, 14, 11, 8, 10, 0, 32.	35, 6, 9, 14, 15, 16, 17, 19, 20, 23, 24, 27, 28, 32.	
<i>WOODEN BOATS.</i>				
<i>Boats without decks.</i>				
88 × 13 × 4½	1	25	25	
83½ × 14 × 4½	1	22	22	
73½ × 10 × 4½	1	1	1	
44 × 12½ × 5	1	10	10	
46½ × 8 × 3½	1	18	18	
<i>Wooden decked boats.</i>				
91 × 14 × 3½	1	26	26	
60½ × 14 × 3½	3	4, 21, 7.	4, 21, 7.	NOTE.—No. 7 not in use, unrepairable.

Boats belonging to No. 3 Range, Godavery.

Iron deep boats, ... 35 × 8½ × 3 3—Nos. 1, 2, 3.

Iron Punts, ... 60 × 10½ × 2' 10" 12—Nos. various.

Wooden boat, no deck. 60½ × 14 × 3½ 1—No. 1 at shops, repairable.

DOWLAISHWERAM,
10th April 1872.

(Signed) H. R. MEAD, Captain, R.E.,
Executive Engineer, Godavery.

No. 412.

ORDER THEREON, 14th May 1872, No. 1,313.

CIVIL WORKS, No. 18.

With his letter No. 265, dated 19th April, the Superintending Engineer submits a statement of the boats now in use in the Godavery Delta for the purpose of carrying materials to the delta works. There appear to be fifty-four boats now in use in the Godavery. Some are decked and some are without decks, but the number of each kind in use in Range No. 3 is not given; it is probable, however, that the iron punts in No. 3 are decked; if so, there are thirty-five decked boats and nineteen without decks. The former are suited for carrying stone, though many of them appear to be spoil punts for the dredges. The new boats applied for appear to be required chiefly for conveying stone, but the Superintending Engineer does not state the number of boats which, during the working season, are likely to be available for carrying stone, nor does he now state the number of new boats likely to be required; the original demand was for five boats, and the Range Officer states that he thinks six new punts could be worked advantageously.

2. From the enclosure which accompanied the Superintending Engineer's letter of the 27th December 1871, No. 3,029, the Government observe that five steel barges 90' by 14' by 4½' are likely to be available from the Upper Godavery works in June or July, and as the boats originally applied for by the Superintending Engineer cannot now be completed so as to be made available for

*Proceedings of the Madras Government, Public Works Department,
14th May 1872.*

work in the present season, and as with the estimates for the Eastern and Western Deltas now sanctioned, arrangements can be made for carrying stone for the work to be executed in subsequent seasons in the non-working season, or from July to January, the demand for boats in the working season will not be so great in future as it has been during the present season, and it is probable therefore that the five steel barges from the Upper Godavery will be sufficient, with the boats now in the delta, to meet the requirements of future seasons. If not, the Superintending Engineer should state distinctly what number of boats are likely to be required in addition to the five steel barges, his demand being based upon the quantity of material of various kinds likely to be required in each season in the delta while the new works are in progress, the quantity of work being estimated with a regard to the supervision available to ensure the proper execution of the work undertaken in each season, and to the interruption of traffic for as short a period as possible by the non-execution of work in both alternative lines of canal during the same season.

(True Extract.)

(Signed) R. F. OAKES, Captain, R.E.,
Ag. Joint-Secretary to Government.

To the Acting Superintending Engineer, 1st Division.
" Chief Engineer for Irrigation.

Exd. E. C. Shunker.

No 25

Doulais Bureau
Exc. Engineer's Office
10th April 1872.

Thru.

Captain H. R. Mead R.E.
Executive Engineer in charge of

To.

1st Range Godavari
Lieut Col J. F. Fisher R.E.
Acting Superintending Engineer

Sir

In reply to your Memo No 3794 dated 12th March, I have the honor to forward a list of the boats in use in 1st Range and also those at work in 2nd Range, with regard to the latter Mr. Watch states there are 13 in his Range, and that they are at present working in this Range. I beg to bring to notice that only 12 have been received and therefore I have entered only 12 in the list forwarded.

2 These boats are used for dredging purposes for the conveyance of stone, lime, sand, gravel &c. for the use of the Delta Works and without them, we could not carry on the Works. All the estimates are as before reported prepared on the supposition that Government Boats are available, therefore no saving is to be expected.

With regard to the number required I am unable to give a positive opinion, but I think in this Range 1000 large punts could be worked advantageously.

I have &c. &c.
Lieut H. R. Mead Capt R.E.
Executive Eng. Godavari

1 Enc Copy,
Most truly
Yr. Supt. Engineer R.E. D.O.

x 72 x 12

Boats belonging to N:3 Range Godavary District

Description of Boat	No.	Former number	Present Number	Remarks
<u>Row boats</u>				
<u>Boats without decks</u>				
80 x 10½ x 4¾	1	2	(2)	5/11
93 x 9¼ x 4¼	1	13	13	
60 x 12½ x 5	1	8	8	
60 x 11½ x 5	1	11	11	
55 x 8¼ x 3	6	Not numbered 29, 30, 31, 33, 34, 35		
<u>Row decked boats</u>				
61 x 11½ x 3¾	1	12	12	
60 x 10½ x 2' 10"	18	17, 53, 9, 14, 15, 16, 10, 19	53, 6, 7, 14, 15, 16, 17, 19	
		11, 118, 10, 0, 32	20, 23, 24, 27, 28, 32	
<u>Wooden Boats</u>				
<u>Boats without decks</u>				
88 x 13 x 4½	1	25	25	
83½ x 14 x 4¾	1	22	22	
73½ x 10 x 4½	1	1	1	
44 x 12½ x 3	1	10	10	
40½ x 8 x 3½	1	18	18	
<u>Wooden decked boats</u>				
91 x 14 x 3½	1	26	26	
60½ x 14 x 3¾	3	4, 21, 7	4, 21, 7	Note No. 7 not in use unrepairable
Boats belonging to No. 3 Range. Godavari of				
Iron				

Boats belonging to N:3 Range Godavary
Iron

Endorsement No 265 dated 19th March 1902
Administrative Department
to the Chief Engineer for
Navigation
Madras
S. N. 2187/92
1/275/72
B.C.

Iron deep boats 35 x 8 x 3 No. 1, 2, 3
 Iron Punt 60 x 10 1/4 x 2-10, 12 - various
 Wooden boat no. 3, 60 1/2 x 14 x 3 1/2 - No. 1 at shop, repairable
 dunks - - - - -

Dowlaiswarum
 Executive Engineer's Office
 10 April 1872

signed / A. R. Meade Capt. R.E.
 Executive Engineer Godavery

Price Est. / - - - - -

Westlake's Estate (Ct)

As-Superintending Engineer, 1st Division

22	22	1	18 x 12 x 1
22	22	1	18 x 12 x 1
1	1	1	18 x 12 x 1
1	1	1	18 x 12 x 1
1	1	1	18 x 12 x 1

18 x 12 x 1
 18 x 12 x 1
 18 x 12 x 1

SUPERINTENDING ENGINEER'S OFFICE, 1ST DIVISION
 DOWLAISHWARUM, 19 April 1872

No. 265
 From

Lieut. Colonel J. F. Fischer R.E.
 Acting Superintending Engineer
 1st Division

To

Major R. J. Carter R.E.
 Acting Chief Engineer for Irrigation
 MADRAS

SIR,

Adverting to your letter No. 22 of the 14th Ultimo, I have the honor to forward a Statement showing the No. of boats we have in use, at present in this District. The boat referred to by the Executive Engineer as belonging to the Western Delta, and not entered in the list, is a boat lying in the Nagarao, west end, cannot be got out till the new Lock at Maddapuram is finished.

I beg to state our Estimates do not provide for "Tool and Plant" a separate provision for this was made in the general abstract Statement for the whole Delta sent up with the Central Delta Project, more than a year ago, and this course is strictly in accordance with the practice ordered to be observed by the Government of India.

I am therefore at a loss to know why it
should have been supposed the Estimates
for works provided for Tools and Plant.

3 I have endeavored to the
best of my ability to show how necessary it
is to have this Plant in good working order,
for such works as these, and this has been
fully demonstrated by the experience of many
years, I do not therefore know what more
I can add in the subject, beyond saying
that, very great delay, has already occurred
in getting material down for sanction of
works, our quarries are getting choked
with material, and there is no probability
of our making any further satisfactory
progress with these. I can find works
until this Plant has been increased
very considerably. I trust therefore, I may no
longer be held responsible for any delays
the Government have to complain of.

I have the honor to be,

Sir,

Your most obedient servant,

Wm. T. Tucker Lieut. Col. R. E.

Aq. Superintending Engineer, 1st D. 2

not given; it is proba

P. W. Department
 From *Am. 11/12* *8-2184*
 The Superintending Engineer
 First Division.
 To *Ch. 275*
 The Chief Engineer for Irrigation
 MADRAS

Dated 19 April 1872.
 Received 25th May 1872

No. 265

ENCLO. *Two*

Subject.

Forwards a Statement showing the number of boats in use in the District and reports that for want of sanction for provision made in the Delta Completion Project for Tools & Plant no satisfactory progress can be made with the works sanctioned from said Funds.

Ch. 111

63 May 72

N: 1313: 14: May/72

Aq. Superintending Engineer 1st Div.

Public Works Department
N: 1313
 Proceedings of the Madras Government
 Read the following
 From The Sup^r Eng^r 1st Div. / H.E. N: 265 of 19th April 1872

LS

With his letter N: 265 dated 19 April the Superintending Engineer submits a statement of the Boats now in use in the Godavery Delta for the purpose of carrying materials to the Delta Works. There appear to be 54 Boats now in use in the Godavery some are decked and some are without decks but the number of each kind in use in Range N: 3 is not given; it is probable

however that the Iron
pontoons in No. 3 are decked.
if so, there are 35 decked
boats, and 19 without
decks, the former are
suited for carrying stone
though many of them
appear to be spoil pontoons
for the dredges. The new
boats applied for appear
to be required chiefly for
conveying stone but the
Superintendent does not
state the number of boats
which, during the working
season, are likely to be
available for carrying
stone nor does he now
state the number of new
boats likely to be required.
the original demand was
for 5 boats and the Range
officer states that he

150
thinks 6 new pontoons could
be worked advantageously.
From the enclosure
which accompanied the
Superintendent's letter of the
27th December 1871 No. 3029
the Government observe
that 5 steel barges 90 by 14
by 4 1/2 are likely to be
available from the Upper
Godavary works in
June or July and as the
boats originally applied
for by the Superintendent
cannot now be comple-
ted so as to be made
available for work in
the present season and
as with the estimates
for the Eastern and
Western Deltas now sanc-
tioned arrangements can
be

he made for carrying
stone for the work to be
executed in subsequent
seasons in the now
working season or from
July to January the
demand for boats in
the working season will
not be so great in future
as it has been during the
present season and it
is probable therefore
that the 5 steel Barges
from the Hopper Godavery
will be sufficient, with
the Boats now in the
Delta, to meet the require-
ments of future seasons,
if not, the Super Engineer
should state distinctly
what number of boats
are likely to be required
in

in addition to the 5 steel
Barges, his demand being
based upon the quantity
of material of various
kinds likely to be re-
quired in each season
in the Delta while the
new works are in
progress, the quantity
of work being estimated
with a regard to the
supervision available
to ensure the proper
execution of the work
undertaken in each
season and to the
interruption of traffic
for as short a period
as possible by the
non execution of work
in both alternative
lines of Canal during

the same season.

1/9

4000

2/2 2187

Publ. of 1872: 3110075.

PUBLIC WORKS.

By Superintendent Engrs
J. H. C. C. C.

Encl. 2

Encl. 1872, No. 13/13.

103. 4/11/12

Encl. 1872, No. 13/13.

Encl. 1872, No. 13/13.

Statement of

in the

for carrying

well to work

Superintendent / Dr.
Chief Engr. for Bridge

Dec 27/5/72

63 May 12