

(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.	568	Press
B.P. No.		Mis. _____
Dated	4-3-	1954

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
4th March 1874.*

No 98. Read the following letter from Lieutenant-Colonel J. GODDARD, R.E., District Engineer, Presidency, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation and Joint Secretary to Government, Public Works Department, dated Fort St. George, 6th February 1874, No. 5,175:—

With reference to your memorandum, No. 68 of 3rd February 1874, I have

the honour to submit the Indent on the Home Government for the steamers referred to in G. O., No. 2,050, dated

18th August 1873, and to explain that delay is due to misconception of the orders of Government and of my orders on the part of the General Superintendent, Public

Works Stores.

1. Service for which Steamers are required whether for "Imperial," "Ordinary," "Extraordinary," "Irrigation" or "Special".

2. The particulars as per margin are not given in the Indent, which it is requested may be filled up in the Secretariat Office.

2. Amount of budget provision, and the year in which such provision is made.

3. Whether plans, etc., accompany the Indent.

No. 99.

ORDER THEREON, 4th March 1874, No. 568.

ACCOUNT, No. 4.

His Excellency the Governor in Council is much dissatisfied with the delay which has been allowed to occur

in carrying out the plain instructions of G. O., No. 2,050, dated 18th August 1873, for the submission of an Indent on the Home Government for steamers to be used in the Godavery and Kistna Deltas. This delay is stated to be due to misconception on the part of Mr. Grainger of the orders of Government and of the District Engineer, which he desires may be explained by that officer.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, Presidency.
.. Chief Engineer for Irrigation.

Exd. S. T. Austin.

Spare Copies

General Specification for Steamers for
use on the Godavari and Krishna
Rivers and in the Delta Canals
N^o 1. Steamer

1. Dimensions { Length not exceeding 101 feet
Breadth " 13 1/2 "
2. Draught—not exceeding 5 feet.
3. Speed—At least 10 miles an hour, in open, still water, with wood fuel.

4. Power of towing, should be considerable as the steamer will be required to take two or three barges of 50 tons capacity across the river, in moderate freshes, and should be capable of towing one such barge at any time. The maximum current may be taken as five miles an hour.

5. Engines to be compound condensing, i.e., having high and low pressure cylinders, to be

be of the very best materials
and workmanship, with well
balanced moving parts, expansion
gearing, etc., and the cylinders
to be very carefully lapped to
prevent radiation. The engine
primaries to be strong and
flexible rigid. Making the gross
tonnage at 70 tons, the engines
should be about 15 H.P. nominal
working up to 70 H.P. indicated.
6. The boiler should be treated
as a very simple exhaust for a
horizontal steam. The fire grate
is much larger area for the work
than will be principally
used than would be understood
for coal. Ever lot of wood may
be taken as equivalent to 100
of steam coal. The boiler to be
completely fitted with steam
gauge, steam safety valves,
water gauge, water and steam
valves, etc; and to be proved to
three times the intended working
pressure. Have tubes for the
water

water to be supplied with it.
7. Great steering power will
be essential, in, with a barge
or barge in tow and a cross
current, any drift in this sort
might result in the steamer
being carried over the weir
and destroyed.
8. Manner of propulsion, single
or twin screws; probably the latter
will be necessary to secure the
 requisite power with so small
a draught.
9. Engines and boilers to
be placed as far aft as possible
consistent with a proper
distribution of weights.
10. Hull to be of the very best
tough iron plate. It is intended
to fit up the vessel with cabin,
deck, etc., in cedar, but in
order that the most convenient
position for bulkheads and deck-
braces may be understood

No. 5175.

From

The District Engineer
(Presidency)

To,

The Chief Engineer for Irrigation
and Joint Secretary to
Government D.P.W.

Sir,

In reference to your memo. No. 68 of
3rd February 1874 I have the honor to submit the
indent on the Home Government for the Steamers
referred to in G. O. No. 2050 of B. Aug. 73 and to
explain that delay is due to misapprehension of the
orders of Government, and of my orders on the part
of the General, Supply P.W. Stores.

The particulars as per margin are not
given in the Indent, which it is requested may
be filled up in the Secretariat Office.

I have the honor to be
Sir,

Your most obedient servant

[Signature] J. R. E.

District Engineer
(Presidency)

C. 4/2/2/74

N. No. 790/74

12/1/74
12/1/74
12/1/74
12/1/74

Enclo 4

- 1. Indent in duplicate for Home Govt.
- 1. Copy of Indent for the Govt. of India.
- 1. Specification.

1. Name for which Steamers are to be used, whether for "Hops" or "Grain" or "Passenger" or "Mixed" or "Special".

2. Kind of Indent previous to the year in which such provision is made.

3. Whether Plans or Accompanying the Indent.

For District Engineer
6th February 1874

P. W. D.

568

Proceedings of the Madras Government,
Under date the 12th January 1874.

Read the following:—

From the District Engineer
Tirunelveli.

There enter No 5175 of 6 July 1874

His Excellency
the Governor in Council
is greatly dissatisfied
with the delay which
has been allowed to
occur in carrying out
the plain instructions
of G.O. No 2050 dated
18th August 1873 for
the

Mol
19/12

G. M. C. 1874/11 No 1389 and
from
No 5175 of 6 July 1874.

Pending

To the Chief Engineer

for investigation

Dated 6 July 1874

Recd. O. M. C. 1874/11 No 1389 +
No 5175.

No 5175.

Submitting instant order
above sent for the Engineer
referred to in G.O. No. 2050
of 18 August 1873.

No 568 - 4th January

98.

No 568/74

the submission of an
indent on the Home
Government for Steamers
to be used in the Goda-
very and Pithua
Deltas. This delay
is stated to be due
to misconception on
the part of Mr. Grainger
of the orders of Govern-
ment, and of the
District Engineer, of
which no misconception
would appear to have
been possible.)

His Excellency
the Governor in Council
observes

observes that Mr.
Grainger has failed
to carry out the orders
of Government to
a great extent during
the current official
year, and resolves to
warn that Officer
to be more careful
for the future.

Encl

To
The District Engineer
Chief Eng^r for Ind^a Presidency -
Deps with S.C. 6/3/70.

790^v ★

Govt. of India, Madras.

PUBLIC WORKS.

The District Engineer
Presidency

Filed

Recd.

Encl.

A. G. O. of Madras 568. 68

Nos. 989 99

caution ^{on} the part
of Mr. Grainger of the
~~order~~ order of 2050
of 18 Aug 73 to be
submitted -

Steamers

The delay in the
submission of an indent
on the Home Government
for steamers to be used
in the Godavery and
Pothna deltas, noticed
with dissatisfaction, &
an explanation of the m