

(1) Number of pages 12(2) Date of repair 11-9-64

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 474	Press
337-338	Mis.
Dated 16-2	18 64.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
16th February 1864.*

No. 337. Read the following letter from Captain F. J. MOBERLY, R. E., Superintending Engineer, 8th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Madura, 27th January 1864, No. 1,771 :—

SIR,

1. I have the honor to enclose a report drawn up by Mr. Wait regarding the state of the Steam Dredge at Paumben, the hull of which is also said to be in very bad condition, the head Pilot reports that several lower planks are rotten.

2. Major Syme proposes to send the Dredge to Negapatam, where the Railway Workshop Officers have offered to execute the repairs, but they have not seen the report, from which it appears to me quite clear that the Dredge is not worth the cost.

3. Major Syme reports that Mr. Wait will be of no use on the Hand Dredge. I have therefore this day desired him to hold himself in readiness to proceed to Coimbatore as soon as further orders are received. No. 157, 15th instant, is not precise on the subject.

From Mr. W. WAIT, 1st Class Mechanical Engineer, Paumben, to Major W. SYME, Acting Superintendent of Operations, dated Paumben, 20th January 1864.

SIR,

1. With reference to Proceedings of the Madras Government, Public Works Department dated the 6th of January 1864, and the order thereon of the same date No. 33, requesting that I be directed to make a thorough examination of the whole of the machinery of the Paumben Steam Dredge, I have the honor to inform you that I have done so, and to point out that the boiler is worn out and not worth repairing as the plates are quite thin.

2. I next examined the engine in detail and found that the beam was good. The cylinder is worn so thin in the middle that it would not admit of being bored out again, and would not stand the heavy pressure it would be subjected to. The entablature frame and connecting rod are broken; the air pump cracked and eaten through, thereby unserviceable, the hot well is also broken and unserviceable; the condenser and passageways are so corroded by the action of the water and are so thin and porous that it would be impossible to get a proper vacuum, therefore I consider them quite unserviceable; the metal steam pipes between the boiler and the engine are quite unsafe on account of their having become thin from the action and friction of the steam. The copper feed-water pipes are worn out by actual pressure. The governor is also worn out and useless; the pistons are too small for the cylinder; the air pump buckets are worn out, and all the working gear is out of order and unserviceable.

3. Of the machinery for working the buckets and bucket-ladder, the shafts are good; the spur-wheel cogs are much worn and too thin to bear with safety any hard work. The bucket-ladder itself is entirely useless, and all the duplicate gear belonging to the ladder is quite unserviceable, viz., the tumblers, shafts, chills, links and link-rollers, also the skew and worm wheels, &c., all these articles seem to have been worked to the last extremity.

4. To attempt to replace any part of this machinery in Madras would, I think, be most absurd; besides, it would cost at least double the amount it would do to get a new engine and machinery out from England.

5. Messrs. Penn & Sons of Greenwich were the Engineers who supplied this engine and machinery.

No. 338. ORDER THEREON, 16th February 1864, No. 474.

1. The above report on the Steam Dredge at Paumben is far from satisfactory. It seems that both the hull and the machinery are so much damaged that it is considered useless to attempt their repair.

2. In the absence of fuller information, the Government consider that the condition of the Dredge argues unfair treatment and a want of proper care and precaution. The Superintending Engineer is requested to report further upon the subject, stating the number of years during which the Dredge has been at work at Paumben, and the causes to which its present condition is to be attributed.

Proceedings of the Madras Government, Public Works Department,
16th February 1864.

3. Captain Moberly will also state what he recommends to be now done with the Dredge ; and how he proposes to supply its place, so as to insure the prosecution of the work at Paumben.
4. Mr. Wait will be directed to proceed to the Coimbatore District, for employment on the Lawrence Asylum at Ootacamund under Major Farewell. He will report himself through that Officer to the Superintending Engineer, 7th Division.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
 Secretary to Government.

To the Superintending Engineers, 7th and 8th Divisions.
 „ Controller and Auditor of Public Works Accounts.

Exd. S. T. Augustin.

*James M. Wait, Esq. Madras Public Works Department
 16th February 1864*

*Dear Sir,
 I have the honor to acknowledge the receipt of your letter of the 20th inst. in relation to the proposed alterations to the bridge over the Coimbatore River. I have examined the report in detail and find that the proposed alterations are of a very important nature. The bridge is now in a state of great disrepair and the alterations proposed are necessary for its safety and for the convenience of the public. I have no objection to the proposed alterations and I am sure that they will be found to be of great benefit to the public. I am, Sir, very respectfully,
 Yours,
 James M. Wait*

*Perils
 1000*

*From
 1000*

*At
 1000*

*At
 1000*

*At
 1000*

*At
 1000*

*At
 1000*

*At
 1000*

*I have examined the report in detail and find that the proposed alterations are of a very important nature. The bridge is now in a state of great disrepair and the alterations proposed are necessary for its safety and for the convenience of the public. I have no objection to the proposed alterations and I am sure that they will be found to be of great benefit to the public. I am, Sir, very respectfully,
 Yours,
 James M. Wait*

for the binder - the air pump buckets are worn out
and the working part out of order and un-
serviceable.

With Machinery from the Rocket

Machine
Engine
Pump
Buckets
Bridges
Road
Locks
and
locks
mach
over
the
to
me
and

Enclosure in a letter from
the Sup: Engineer 8th Div
dated 27th Jan^y 1864 No
1771.

To
Mr. Secy to Govt
D.P.W.
Sir.

TV 480/64

Report by Mr. Wait
regarding the state of
the steam dredge
at Panbani in the
Madras District.

Plas Mechanical Engineer

Sup: Engineer 8th Division
No. 1771 Madras 27th January 1864.

From,
Captain G. J. Roberts R.E.
Superintending Engineer 8th Division
To,
Colonel C. A. Orr R.E.
Secretary to Government D.P.W.
Sir,

Public
Encls. 1.
original report of
Mr. Wait.

1. I have the honor to enclose a report drawn
up by Mr. Wait regarding the state of the steam dredge
at Panbani, the hull of which is also said to be in very bad
condition, the head pilot reports that several lower planks
are rotten.

2. Major Syme proposes to send the dredge to Negapa-
tan, where the railway workshop officers have offered to
execute the repairs. but they have not seen the report, from
which it appears to me quite clear that the dredge is not
worth the cost.

3. Major Syme reports that Mr. Wait will be of
no use on the hand dredge. I have therefore this day directed
him to hold himself in readiness to proceed to Coimbatore
as soon as further orders are received. No. 157. 15 instant.
is not precise on the subject.

I have &c.
G. Roberts
Captain R.E.
Sup: Engineer 8th Division.

NO. 474 Public Works Dept.
 Proceedings of the Marine Commission
 Minutes of the 15th May 1864

Read the following
 letter from the Chief Engineer
 8th Division. No. 1771.

I enclose a report drawn up by
 Mr. Watt regarding the state of the
 steam dredge at Penumbra and
 informs that he has desired that
 Mr. Watt should hold himself in readiness
 to proceed to Penumbra as his services
 are not required at Penumbra.

Vote entered 27th Jan'y 64

The above report on
 the steam dredge at
 Penumbra is far from
 satisfactory. It
 seems that both the
 hull and the machinery
 are so much damaged
 that it is considered
 useless to attempt their
 repair.

In the absence of
 fuller information, the
 Govt. considers that the
 condition of the dredge
 argues unfair treatment
 and a want of proper
 care & precaution. The
 Chief Engineer is
 requested to report further
 upon the subject, stating
 the number of years during
 which the dredge has
 been at work at.

[Handwritten signatures and initials]

6th Jan'y 1864 07-91-72
 15th " " 318-819

of 1864
 of 1864
 of 1864

of 1864
 of 1864
 of 1864

of 1864
 of 1864
 of 1864

of 1864
 of 1864
 of 1864

of 1864
 of 1864
 of 1864

1864

1864

Panambur, & the
causes to which its
present condition is
to be attributed, &
~~the persons who are~~
~~responsible~~

Captain Neuberger
will also state what
he recommends to be
now done with the
dredge; and how he
proposes to supply its
place, so as to insure
the prosecution of the
work at Panambur.

Mr. Wait will be
directed to proceed to
the Coimbatore District,
for employment on the
Lawrence Asylum at
Ottacamund under
Major Farewell. He
will report himself
through that Office
to the Sup. Engineer
7th Division.

W.B.

To The Sup. Eng^r of 7th Divⁿ
Controller & Auditor
to the P. & M. Accounts
to the Comptroller

Recd^d 17th Feb^r

of 1864 & Date
of No. of Geo. & for July

Dec 4/74

No. of the Helgosc

2/16 July 1874

Further Cir 11/12/84

Further Cir 16/10 of
1864.

Further Cir 11/36
of 1864.

Further from the
Capt. Aug 22 812 is
reporting on the
state of the steam
ready at 11/10/1864
Hudson District

No. 2337. 238