

(1) Number of pages 14
(2) Date of repair 8/86
(3) Initials of the Referencer lcm

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D. DEPARTMENT

GO No	3345-w	Press
B.P. No.		Mis.
Dated	22-8-1878	197

It to be folded or roughly handled.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

22nd August 1878, No 3,345 W.

General
Account.

Read the following paper —

No 243 From G T WALCH, Esq, Acting District Engineer, Gódvári,
to the Chief Engineer, Public Works Department, dated Dowlaishvaram,
10th August 1878, No 1,532.

I HAVE the honor to forward herewith copy of a letter, No 139, of 2nd instant,
from the Officer in charge of the Dowlaishvaram Workshops, with an explanatory
tracing, and to inform you that I have also inspected the boiler of the *Wurda*
and believe its proper repair to be impossible in these shops

2 I, therefore, request permission to send the boiler to Madras for the necessary
repairs and renovation

3 The frequency with which parts of the mechanism of these Upper Gódvári
steamers require repair renders it necessary, if the service is to be conducted with
regularity, that there should be always a spare steamer in working order

From G D WYBROW, Esq, Executive Engineer, Dowlaishvaram Workshops, to the District
Engineer, Gódvári, dated Dowlaishvaram, 2nd August 1878, No 139

I HAVE the honor to inform you that Captain Barber sent in a brief report dated the 19th
July 1878, stating that an accident had occurred to the boiler of the steamer *Wurda* on the
16th July 1878. I have since examined with Lieutenant Joyce the boiler, and beg to make the
following report on the accident and the probable cause of the accident — One of the plates of
the inner skin of the fire-box two feet below the flue was rent and pressed inwards as shown in
the plan, on the left hand side a plate was pressed inwards and started some twelve pinets.
The boiler, it would appear, has been in constant use during the last nine years, and the imme-
diate cause of the accident may be attributed to the weakness of the plates from wear and tear,
the plates having become too weak to bear the ordinary working pressure (120 to 150 lb.)
Another cause might be from the use of muddy water, the sediment having been allowed to
accumulate and caused overheating of the plates, and which eventually resulted in a rupture.
It is fortunate that the inner skin of the fire-box was of copper, otherwise the accident might
have been very serious and attended with loss of life. With reference to the repair of the boiler,
I fear it cannot be repaired in this Workshop as we have no boiler-makers. Even if we could,
I hardly think it would be advisable, for, as soon as one plate was renewed, another would go.
I might perhaps mention that Lieutenant Joyce, the Deputy Superintendent, states that it is his
opinion that the cause of the boiler not blowing up was due to the fact of the accumulation of
sediment which prevented the water being blown out and the rent made worse

No 244 ORDER THEREON, 22nd August 1878, No 3,345 W

PERMISSION is given to the District Engineer to send the boiler to Madras for
the necessary repairs

(True Extract)

(Signed) E A FOORD, Colonel, R E,
Secretary to Govt, P.W.D.

(True Copy.)

Major, R E,
Under Secy to Govt, P.W.D

To the District Engineer, Gódvári
Presidency
" Examiner of Public Works Accounts.

Exd J W Fischer
Spare Copies

GOVERNMENT
PUBLIC WORKS.
MADRAS.

TO THE SUPERINTENDING ENGINEER
GODAVERY DISTRICT.

U. O. 2. 14. 1878

RECEIVED
NO. 213211

RECEIVED
NO. 213211

NO 1532

General.

FROM,

2
The District
THE OFFG. SUPERINTENDING ENGINEER

GODAVERY DISTRICT.

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT

MADRAS.

CAMP DOWLAISHWERAM, 10th August 1878

SIR,

I have the honor to forward here-
with copy of a letter No. 139 of 2nd Instant,
from the Officer in charge of the Dowlaish-
weram Workshops, with an explanatory tra-
cing, and to inform you that I have also
inspected the boiler of the "Murda" and
believe its proper repair to be impossible
in these shops.

2 I therefore request permission to
send the boiler to Madras for the necessary
repairs and renovation.

3. The frequency with which parts
of the Mechanism of these Upper Godavery
steamers require repair renders it necessary
if the service is to be conducted with re-
gularity, that there should be always a
spare

Steamer
spare one in working order.

I have the honor to be,
Sir,

Your Most obedient Servant.

C. J. Twiss

At District Engineer C.D.

Compt. S. B.

FROM,

Dr District
THE OFFG. SUPERINTENDING ENGINEER

COCHIN DISTRICT.

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

MADRAS

PATED. 10th August 1878.
RECEIVED

No. 1522

ENCLOSURE.

"Murda" Steamer - accident
to the boiler - Report.
- in an accident to the -
reconstruction in accordance
with the report of the
engineer, as it is impossible
to do so in the workshop
at Dowlaishweram -

No 139.

Government Workshop Office
Dowlaishweram 2nd August 1878

From,

The Officer in charge
of Dowlaishweram Workshop

To,

The District Engineer
Cochin.

Sir,

I have the honor to inform you
that Captain Barber sent in a brief
report dated the 19th July 1878, stating
that an accident had occurred to the
boiler of the steamer "Murda" on the 16th
July 1878, I have since examined with
Lieut Joyce the boiler, and beg to make
the following report on the accident, &
the probable cause of the accident. One
of the plates of the inner skin of the fire
box 2' below the flue was rent and
pressed inwards, as shown in the Plan;
on the left hand side a plate was
pressed inwards and started some 12
rivets. The boiler it would appear,
has

To duty 17-8-78
Civ 17-8-78

has been inconstant use during the last 9 years and the immediate cause of the accident may be attributed to the weakness of the plates from wear & tear, the plates having become too weak to bear the ordinary working pressure (120 to 150 lbs). Another cause might be from the use of muddy water, the sediment having been allowed to accumulate and caused overheating of the plates and which eventually resulted in a rupture. It is fortunate that the inner skin of the fire box was of copper, otherwise the accident might have been very serious, and attended with loss of life. With reference to the repair of the boiler I fear it cannot be repaired in this workshop, as we have no boiler makers. Even if we could, I hardly ^{think} it would be advisable, for as soon as one plate was renewed another would go. I might perhaps mention that Lieut Joyce the Deputy Supt states that it is his opinion that the cause of the boiler

not

not blowing up was due to the fact of the accumulation of sediment which prevented the water being blown out & the rent made worse.

I have the honor to be very

Signed / G. D. Wybrow
Executive Engineer Dowlaishweram
Workshops.

(True Copy)

G.D.

AC District Engineer Godavery.

Comptd G.D.

h. 3345 W. ^{Full} P. H. D. ^{to ch}
 Proceedings of the Madras Govt.
 Under date the 22nd Aug^r 1878.
 Read the following:-

From
 The District Engr. } (H.E. No. 1532 of 18th
 Godavari } August 1878.)

Enclosure in the
 No. 1532 dated 20th Aug^r
 from the District
 Engineer Godavari.

Permission is given
 to the District Engineer
 to send the boiler
 to Madras for
 the necessary repairs.

4/15

4/17
 19/10

D. C. Godavari
 President
 Exec. P. H. D. Accto.
 D. C. Godavari

22-8-78

22-8-78

To Accty 17-8-78-72 24-8-78
Cir 19-8-78. Rtl 22-8-78

946
Govt. of (1873) Madras.
PUBLIC WORKS

To
Dated
By
Per
M. J. [Signature]
22.8.73

G.O. 22 Aug 1873 33254

20/8/73

Ward Steamer, Godavary
Ordering that the
boiler of the — be
sent to Madras for
repair —

Super Negt