

(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.	1865	Press
B.P. No.		Mis.
Dated	24-7-	1956

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
24th July 1876. No. 1,865.*

Read the following letters :—

No. 385. From Lieutenant-Colonel F. H. HANCOCK, R.E., Under Secretary to the Government of Bombay, Public Works Department, to Major-General G. W. WALKER, R.E., Secretary to the Government of Madras, Public Works Department, dated Bombay Castle, 21st June 1876, No. 751.

IN continuation of my telegram of the 12th instant, I am directed to forward to you details of the engines which the Bombay, Baroda, and Central India Railway are prepared to sell for Rupees 15,000 each.

No. 385-A. From N. St. B. BEARDMORE, Esq., Officiating Superintendent, Madras Harbour Works, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 8th July 1876, No. 39-W.

WITH reference to G.O., No. 1,585, of the 23rd of June 1876, I have the honor to submit the following report.

2. The principal dimensions of the tank locomotive engine constructed by Messrs. Hawthorn and Company, of Leith, for these works are—

	Feet.	Inches.
Wheel base of 4 coupled wheels...	6	0
Gauge	5	6
Diameter of wheels	3	0
Width of frame... ..	8	8
Diameter of cylinder	0	12
Length of stroke	0	18

In other locomotives used on these works the gauge must, of necessity, be 5 feet 6 inches. It is desirable that the engines should be of a light construction, that the wheel base should not exceed 8 feet, as they have to go round some sharp curves, and the less wheel base is preferable. No projection on either side, such as steps or foot-plates, should exceed 1 foot 6 inches from the flanges of the wheels; it would be better if the width of the frame-work is not more than 8 feet 6 inches, and of the top awning 7 feet, as the engine will at times have to run between two rows of concrete blocks placed pretty near together.

No. 386. ORDER THEREON, 24th July 1876, No. 1,865.

CIVIL WORKS, No. 33.

ORDERED that the following telegram be sent to the Secretary of State :—

“Madras Harbour. Suitable loco-

motive not procurable. Fulfil indent.”

(True Extract.)

Colonel,

Offg. Under Secy. to Govt., P.W.D.

To the Superintendent, Madras Harbour Works.

„ Consulting Engineer for Railways.

Exd. F. R. Bantleman.

Spare Copies

New Castle

Bombay Baroda and Central I. Railway
Parell Works, 16th June 1876.

Specification of tank Engines Nos 16 & 17

Weight of Engine in working order
26 tons has 2 pair 5 feet wheels coupled
and 1 pair 3 feet 6 inches leading wheels,
the wheel base is 12 feet 6 inches

Outside cylinders 13" diameter x 20"
stroke steel tyres.

buffer firebox 3'-4" x 3'-3" x 4'-0"

fire grate area 11 square feet

Boiler contains 133 brass tubes 9'-10"
long x 1 7/8" outside diameter

Heating surface of tubes 641 sq ft

———— " ————— Firebox — 57 — " —

Total — 698 sq ft

Tanks on sides

Capacity of the two 474 gallons

———— " ————— coal bunker 1 ton

The Engine will haul 300 tons or
30 average ballast waggons, each
carrying 5 1/2 tons load.

Makers Messrs R & W. Hawthorn
New Castle

172.
No 1
3
No. 751 of 1876.

P. W. Department, Railway.
Bombay Castle, 21st June 1876.

To
The Secretary to Government of
Madras.

Public Works Department.

Sir,

No. 1505 in the
In continuation of my
telegram of the 12th instant, I am
directed to forward to you details
of the engines which the Bombay
Baroda and Central India Railway
are prepared to sell for Rs 15000
each. —

I have the honor to be,
Sir,

Your most obedient servant.

M. M. M. M. M.

Leunt Coll. R. E.

Under Secretary to Govt.

P. W. 2522/76

P.O. 23/June/76 - 1885

1876 Department

80-4-522

Dated 21st June 1876
Received 25th June 1876

Enclosed V. 80-4-51.

submitting details
of the Engines which the
Bombay Baroda and Central
India Railway are prepared
to sell for Rs. 15,000 each.

Memo: No. 1057.

The attention of the Off^r Harbour
Sup^t is called to P.O. No. 1585 dated
23rd June 1876 & he is requested to
expedite submission of the information
therein called for.

Sd/ A. B. Scott.

Major
H.S.

Colacamm

11th July 1876

Sup Harbour works.

4-353

cc - 14.7.76 P.O. 24.7.76

cc - 3.7.76 P.O. 11.7.76

cc - 6.7.76 P.O. 26.6.76

From The Off^r Superintendent,
Madras Harbour Works.

To The Secretary to Government,
Public Works Department,
Fort Saint George.

Madras, 5th July 1876

Sir,

With reference to G.O. No. 1585 of the
23rd June 1876, I have the honour to submit
the following Report.

2. The principal dimensions of the Tank
Locomotive Engine constructed by Messrs
Hawthorn & Co. of Leith, for these works, are:-

Wheel base of 4 coupled wheels	6. 0
Gauge	5. 6
Diameter of wheels	3. 0
Width of Frame	8. 8
Diameter of Cylinder	0. 12
Length of stroke	0. 18

In other Locomotives used on these works,
the gauge must of necessity be 5 feet 6 inches

It is desirable that the Engines should be of a light construction that the wheel base should not exceed 8 Feet as they have to go round some sharp curves and the leaf wheel base is preferable. No projection on either side such as steps or foot-plates should exceed 1 Foot 6 inches from the flanges of the wheels & it would be better if the width of the frame work is not more than 8 Feet 6 inches, and of the top awning 7 Feet, as the Engine will at times have to run between 2 rows of Concrete Blocks placed pretty near together. -

Have the honor to be
Sir

Your most-obedient Servant
Wm. Lloyd Garrison

John most-obedient Servant
Nathl B Beardmore
Off Superintendent

Off. Superintendent
Madras Harbour Works

200
7-
expd to Oct 26-6-78

23-6-76 No 1585

P. W. 1876 Department

From

No 14888

The Offg Superintendent,
Madras Harbour Works.

To

The Secretary to Government,
Public Works Department,
Fort St George.

Dated 8th July 1876
Recd 10th

No 3912

Submits Report respecting
Locomotive Tank Engine.

No 3850

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Public Works Dept.

Letter from the Officiating
Superintendent, Madras Harbour
Works No 3912 dtd 8th July 1876.

The following engine
is as I anticipated
submitted for orders.
Engine No 1000 of 1000 lbs
weight & 1000 lbs
power.

(I am not aware of any
other engine
built -)

10/7

10/7

Submitted for
orders together with
letter from the Govern-
ment of Bombay
No 751 dated 21 June 1876.

Enclosed Paper
Secretary to Govt. D.V.M.

X. Att.

Letter from the Agent to the Governor General
at Baroda No. 4405 d/4th July 1876?
thru the Political Dept.

FOR ORDERS.

With remark that

I do not think we
can spare Mr Chisholm
at present. I would
express regret at not
being able to comply
with the request
at present. M.C.

13/7

Mr. Chisholm's time is already
fully occupied with his Madras
work, and that it is quite
unnecessary that he should
be placed at the disposal
of the Baroda Government
when there is a Consulting
Architect at Bombay avail-
able.

He might be allowed to go
for 10 days or a fortnight as
soon as he has set matters
agoing in Madras -

Think we may find that
Native States will a few
good designs. M.C. 14/7

L. M. M. & Co. Maji G. R. C.

Secretary to Govt. P.W.D.

Public Works Deptⁿ

Letter from the Secretary to the Gov^t of Bombay
P.W. Deptⁿ No. 751 d/21st June 1876.

Submitted for orders
with previous correspondence.

Major Genl. R.B.

Secretary to Gov^t P.W.D.

1/13/76
1/13/76
1/13/76

1/13/76

I am expressing
that the progress of
work at Madras - will
not allow of any delay
in Mr. Christie's return to
attention to his duties
since Oct. 1875 - after
the return of Mr. Christie
to the P.W.D. 3 months
ago. The progress of
work at Madras - will
not allow of any delay
in Mr. Christie's return to
attention to his duties
since Oct. 1875 - after
the return of Mr. Christie
to the P.W.D. 3 months
ago.

14/7

17/7

1/13/76
1/13/76
1/13/76

No 1865

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

24th July 1906

Read the following:—

From the Secretary to the
Govt. of Bombay } H.E. No 751 dated 21 June 1906
Offg. Superintendent,
Madras Harbour Works } H.E. No 39 W of 8 July 1906

Ordered that the
following telegram be
sent to the Secretary of
State.

"Madras-Harbour Works.
Suitable locomotives not
procurable ~~in India~~
^{fulfil}
compliance with urgent
request."

[Signature]

Bol 22/7

MM
24/7

MM

22/7

Hdqt., Madras Harbour Works
Engine for Railways. 5
22-11-06

Commenced

Appointed to the 12th of 1885

Appointed to the 12th of 1885

at the 12th of 1885

at the 12th of 1885

at the 12th of 1885

at the 12th of 1885

at the 12th of 1885

1885/86

at the 12th of 1885

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Off. of ~~the~~ ^{the} ~~India~~ ^{Public Works}
PUBLIC WORKS.

Letter of the Hon. Babar
The Secretary of
State

Dated

1865

1865

1865

G. O. 24 July 1870 No 1865

Nos. 281

Initialed in Register
11-0-70

Locomotive for the
Madda Harbour Works

The Secretary of State
telegraphed to fulfil
indent for ———