

(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.	647	(Ry)	Press
~~B.P. No.~~			~~Mrs.~~
Dated	6-3-		18 75

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
6th March 1875*

Read the following papers —

No. 173 From Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E.,
Consulting Engineer for Railways, to Colonel G. W. WALKER, R.E.,
Secretary to Government, Public Works Department, dated Madras, 5th
February 1875, No. 86 —

I HAVE the honor to submit, for the sanction of the Government of India, Indent No 138, dated 27th January 1875, on the Board of Directors of the Madras Railway Company for two additional sets of pneumatic apparatus with steam engines required for use at the Cheyaur bridge, the approximate cost being Rupees 26,181-13 0.

2 The necessity for the articles is explained in the enclosed copy of a letter from the Acting Chief Engineer of the Company.

3 As the apparatus is urgently required, I have authorized the Agent, in anticipation of the sanction of Government, to submit the indent to the Board of Directors for compliance.

From R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, to Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, dated Madras, 28th January 1875, No 115

I HAVE the honor to forward you, herewith, an indent* on the Board of Directors for two additional sets of pneumatic apparatus with steam engines required for use at the Cheyaur bridge, and estimated to cost Rupees 26,181-13-0

* No 138, in triplicate

I also enclose you copy of a letter† from the Acting Chief Engineer in which explanation is afforded as to the necessity of indenting for them, and I request that you will be so good as to communicate authority for the transmission of the indent to England by the mail of Saturday next if possible

† No 85, dated 27th January 1875

From T. H. GOING, Esq., Acting Chief Engineer, to R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, dated Madras, 27th January 1875, No 85

I FORWARD herewith an indent on the Board for a pair of pneumatic apparatus to be used in founding the cylinder piers of Cheyaur bridge

2 Those now in the country are employed at the Huggry bridge, and will not be available for the Cheyaur

3 It is probable that we shall require still a further supply of these machines, as the process of preparing by their means the foundations of so many cylinders (128) as we have to deal with in these two bridges will be very tedious. However, as we have not as yet had much experience in working them, and as the ordinary diving apparatus may be found adequate in the preparation of some of these foundations, I do not wish at present to indent for the full number that may ultimately be required. If found necessary on further experience, a supplemental order will be made out. I would suggest that the Board should consult Mr. Anderson on this subject.

4 We have no steam engines in the country available for working these additional machines, my indent therefore includes the necessary engine power

5 Two European Divers should be sent out with the apparatus, we hope to train the natives of the country for this work

*Proceedings of the Madras Government, Public Works Department,
6th March 1875*

No 174. Endorsement of the Consulting Engineer for Railways, dated Madras, 19th February 1875, No 107.
From R B ELWIN, Esq, Agent and Manager of the Madras Railway Company, to Lieutenant-Colonel J H M SHAW-STEWART, R E, Consulting Engineer for Railways, dated Madras, 17th February 1875, No 189
As requested in your letter No 212, of the 16th instant, I have the honor to send you herewith, in the usual form, an application for two European Divers, and I request that you will be so good as to communicate the sanction of Government thereto

MADRAS RAILWAY

Application from the Agent and Manager requesting the sanction of Government to apply to the Railway Board of Directors for the following servants —

Department for which they are required.—Engineering Nature of the appointment—Diver Number at present in the Company's service—2 Number required from England—2 Grounds on which the application is made —For working pneumatic apparatus in connection with the founding of the piers of the Cheyaur bridge, vide Acting Chief Engineer's letter, No 85, of the 27th January 1875 Remarks by the Consulting Engineer for Railways—Nil

MADRAS,
17th February 1875

(Signed) J W MELLIS,
for Agent and Manager.

SUBMITTED for the approval of Government.

2 The Chief Engineer's letter, No 85, dated 27th January 1875, referred to by the Agent was forwarded with this office letter, No 86, dated 5th February 1875

3 In anticipation of the approval of Government the Agent has been authorized to apply to the Board of Directors for the two divers

(Signed) J H M SHAW-STEWART, Lieut.-Colonel, R E,
Consulting Engineer for Railways

No 175

ORDER THEREON, 6th March 1875, No 647.

RAILWAY, No 19

ORDERED that the Indents for two sets of pneumatic apparatus and for two European Divers be forwarded to the Government of India, and confirmation requested to the provisional sanction accorded by the Consulting Engineer

(Here enter No 648, dated 6th March 1875)
(True Extract)

Colonel, R E,

Secretary to Government

To the Consulting Engineer for Railways

Exd W J Lewis

Spare Copies

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, March 6th 1875.

No 176

No 648

FROM

COLONEL G W. WALKER, R.E.,
Secretary to the Government of Madras,
Public Works Department,

TO

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department

RAILWAY, No 20.

SIR,—In your letter No 899 R, dated 30th April 1874, the sanction of the Government of India was communi-

cated to an indent for two sets of pneumatic apparatus for levelling rock foundations of the piers of the Cheyaur bridge on the Madras Railway. The Chief Engineer of the Company now submits a further indent for two additional sets, the apparatus already provided being employed on the Huggry are not available for the Cheyaur It is explained in paragraph 5 of the Chief Engineer's letter, No 85, dated 27th January 1875, that it will be necessary to send out two European Divers with the apparatus now indented for, and with a subsequent communication which is herewith forwarded the Consulting Engineer submits an indent for their services

2. I am to request the confirmation of the Government of India to the provisional sanction accorded by the Consulting Engineer to the transmission of the indents home for compliance.

I have the honor to be,

Sir,

Your most obedient servant,

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

Exd W J Lewis
Spare Copies

No. 115

MADRAS RAILWAY

AGENT AND MANAGER'S OFFICE

Madras, 28 January 1875

From

R. D. Chinn Coys
Agent and Manager of the M. & C.

To

Lt Col H. H. Shaw Stewart, R.E.
Consulting Engineer for Railways

Sir,

Ch 115
in duplicate

I have the honor to inform you
herewith that I do not in the Board of Directors
for two additional sets of ~~Prescriptive~~ ^{Prescriptive} Apparatus
with Steam Engines required for use
at the Changan Road and estimated to cost
Rs 26,181-13-0.

Ch 115
in duplicate
27 Jan 1875

I also enclose a copy of a
letter from the Acting Chief Engineer in which
explanation is afforded as to the necessity
of indenting for them, and I request that
you will be so good as to communicate authori-
tatively for the transmission of the Indent to
England by the mail of Saturday next if
possible.

I have the honor to be,
Sir,

Your most obedient servant.

R. D. Chinn
Agent and Manager of the M. & C.

5-10-4

Madras Railway Company
Chief Engineer's Office
Madras 27th July 1875

The Agent and Manager,
Dear Sir,

I forward herewith an Indent on the Board for a pair of Pneumatic apparatus to be used in founding the Cylinder Pier of Cheyair Bridge

Those men in the country are employed at the Kungrey Bridge and will not be available for the Cheyair

It is probable that we shall require still a further supply of these machines, as the process of preparing by their means the foundations of so many Cylinders (28) as we have to deal with in these two Bridges, will be very tedious. However as we have not met hard much experience in working them and as the ordinary diving apparatus may be found adequate in the preparation of some of these foundations I do not wish at present to indent for the full number that may ultimately be required. If found necessary on further experience, a supplemental order will be made out. I would suggest that the Board should consult Mr. Anderson on this subject.

We have no Steam Engines in the country available for working these additional machines, my Indent therefore

114

Mr 813/95

MADRAS RAILWAY

From

The Agent and Manager

To

The Consulting Engineer

for Rule 9s

Dated 29th July 1875

Recd.

No 110

Forwarding for Mr. Anderson
an Indent on the Board
for two additional sets
of Pneumatic Apparatus
with Steam Engines required
for use at the Cheyair Bridge

Copy to Mr. Anderson

includes the necessary Engine power
5 Two European Drivers should be
sent out with the apparatus. we hope
to train the natives of the country for
this work.

Yours faithfully
J. H. Shaw
Sg. Chief Engineer.

True Copy

Mr. J. L. L. L.
Agent Bellaville

5/1/18/61

Railway Department.

CONSULTING ENGINEER'S OFFICE.

No. 86

From

LIEUT. COLONEL J. H. M. SHAW, STEWART, R.E.,

Consulting Engineer for Railways,

To

COLONEL G. W. WALKER, R.E.,

Secretary to Government,

Public Works Department.

Fort Saint George.

SIR,

I have the honour
to submit for the sanction of the
Government of India indent no 138
dated 27th January 1895 on the
Board of Directors of the Madras
Railway Company for two additional
sets of Pneumatic Apparatus with
steam engines, required for use
at the Cheyar bridge, the approx-
imate cost being Rs 26,181-13-

The necessity for the
articles

AP.

articles is explained in the enclosed
copy of a letter from the Acting
Chief Engineer of the Company

As the Apparatus
is urgently required I have au-
thorized the Agent in anticipation
of the sanction of Government to
submit the draft to the Board
of Directors for compliance.

I have the honor to be

Yours most obedt servt

Wm Stewart Esq

Cons. Engineer for Ry

Madras
5th Feby 53

W Stewart

G.O. 8th April/74 N. 924
 " 21st May/74 - 1363
 " 29th June/74 - 1745
 " 14th Nov/74 - 3222

P. W. 1875 Depart.
 P. W. 1875 Depart.
 P. W. 1875 Depart.

RAILWAY DEPARTMENT
 1.8.13.
 From The Consulting Engineer
 for Railways,
 To The Secretary to Government,
 P. W. Department,
 Fort Saint George.

Dated 5th Dec/75
 Recd 5th Dec/75

Encl. 2. No 86

Forwarding for
 duplicate endent for
 Letter requested for
 the Engineer, Dept
 M. 12
 E. 6. 647. 6-3-75.

No 173
 622-2 75

No. 189

MADRAS RAILWAY

AGENT AND MANAGER'S OFFICE

Madras, 17th February 1875

From

Robert B. Clum Esq.
 Agent and Manager of the M. R. Company

To

Leuth Coll J. H. M. Shaw Stewart Esq.
 Consulting Engineer for Railways

Sir,

As requested in your letter N. 212
 of the 16th instant I have the honour to send
 you herewith in the usual form an application
 for two European divers, and I request that
 you will be so good as to communicate the
 sanction of Government thereto.

I have the honour to be
 Sir

Your most obedient servant

J. W. Nellis.
 Agent and Manager

Madras Railway

Application from the Agent & Managers requesting the sanction of Government to apply to the Railway Board of Directors for the following servants.

Dependents for which they are required	Nature of the appointment	Number of posts in the Company's service	Number of posts required from England	Grounds on which the application is made.	Remarks by the Consulting Engineer for Railways
Engineering	3 river	2	2	For working & maintaining appliances in connection with the forming of the pier of the Cheyenne bridge. And as Chief Engineer's letter No 85 of the 27 th January 1875	M. N. Bellis. M. N. Bellis. M. N. Bellis.

Madras
17 Feb 1875

M. N. Bellis.

In the Agent & Managers

MADRAS RAILWAY

From
The Agent and Manager

To
The Consulting Engineer

for Railways

Dated 17th Feb 1875
Recd 18.
No 189.

Forwarding for
sanction and
application for
2 European Drivers

M. N. Bellis.

No. 107

SUBMITTED for the approval of Government.

The Chief Engineer's letter no. 85 dated 27th January 1875 referred to by the Agent was forwarded with this office letter no. 86 dated 5th February 1875.

In anticipation of the approval of Government the Agent has been authorised to apply to the Board of Directors for the 2 divers.

CONSULTING ENGINEER'S OFFICE,
Madras, 7th February 1875.

W. H. M. L. E.,
Consng. Engineer for Railways

To
The Secretary to Government,

Public Works Department,

Fort Saint George.

Handwritten notes in left margin:
 1875 2 ept.
 1177
 19 Feb 1875
 22

P. W. 1875 2 ept.
 RAILWAY DEPARTMENT.
 No: 1177
 From: The Consulting Engineer
 for Railways,
 To: The Secretary to Government,
 P. W. Department,
 Port St. George.

Dated 19 Feb 1875
 Received 22 Feb 1875
 No 197
 With 2 enclosures
 Submitting letter from
 the Agent Madras Railway
 applying sanction for
 two European Divers
 Etc. No. 647. 6-3-75.

No 174
 622.2.76

S.H. Departt.

Proceedings of the Madras Road.
 Read the following:-

From: The Chief Engineer
 for Railways } (H. E. No. 86 of 5th Feb 1875)
 " " " " } (" " " " 107-17th " ")
 " " " " } 647.

Ordered that the
 Indents for two sets of
 Pneumatic Apparatus
 and for two European
 Divers be forwarded
 to the Govt. of India, and
 confirmation requested
 of the provisional sanc-
 tion accorded by the
 Consulting Engineer.

M.B.
 23/2

To: The Chief Engineer
 for Railways } H. E. No. 648 dated
 9-3-75 }
 To: The Secy. to the Govt.
 of India, S.H.D.
 Sir: In your letter No. 877A,
 dated 30th April 1874 the

sanction of the Government
of India was communi-
-cated to an indent for
two sets of Pneumatic
Apparatus for levelling
rock foundations of the
Piers of the Cheyair Bridge
on the Madras Railway.
The Chief Engineer of the
Company now submits
a further indent for two
additional sets; the
Apparatus already pro-
-vided being employed
on the Huggly are not
available for the Cheyair.
It is explained in para-
5 of the Chief Engineer's
letter No. 85 dated 27th
January 1875 that it
will be necessary to send
out two European divers

Divers with the Appara-
-tus now indented for
and with a subsequent
communication which
is herewith forwarded
the Consulting Engineer
submits an Indent for
their services.

I am to request the
confirmation of the Govt.
of India to the provisional
sanction accorded by the
Consulting Engineer to
the transmission of the
Indents Home for
compliance.

Amu

Dec^r 9-3-75 mto
original indent
7 fls. of previous go.

813
 11/11
 GOVT. 1875, MADRAS.
 PUBLIC WORKS.

To
 The Comptroller
 Secy. to Govt of India

Dist

Recd

Encl 4

6 March

No

647

11/11

Nos. 173-176.

Indents (Railways)

~~Ordered that the~~ Indents

two sets of Pneumatic Ap

aratus for two Europeans

for the Chydar Bridge outside to be

vers the forwarded to the

rt of India, & confirmation

the provisional sanction

coded by the Comptroller

quested.

Requesting Comptroller
 for both provisions
 sanction accorded by
 Comptroller to the Govt
 of Indents for two
 sets of Pneumatic
 also & two European
 to the ^{Bridge of} ~~Chydar~~ ^{Chydar} ~~Bridge~~ ^{Bridge}
 for use
 Chydar Bridge