M.R.O. 1—10,006—28-2-50.

(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.	3050-57	Press
~~B.P. No.~~		~~Mis.~~
Dated	16-11	1876 195—

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
14th November 1876. *No.* 3,050.

No. 243. Read the following endorsement of the Consulting Engineer for Railways, dated Madras, 10th November 1876, No. 550 :—

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, 9th November 1876, No. 1,129.

Adverting to the discussion which took place at the meeting at Perambore this morning in which you, the Deputy Consulting Engineer, the Traffic Manager, the Locomotive Superintendent and I took part, I have now the honor to enclose, for the information of His Grace the Governor in Council, copy of a letter* from the Locomotive Superintendent, in which is explained the necessity for telegraphing to the Board in England for additional machinery in the shape of wheel lathes and drilling machines, to enable the heavy repairs now being executed at Perambore to be performed with greater despatch.

* No. 589, 9th November 1876.

2. As the matter is really pressing, I have the honor to request that you will be so good as to obtain, at the earliest possible moment, the permission of His Grace the Governor in Council for the despatch by telegraph of an order for the machinery specified in the list which accompanies this letter.

From F. H. TREVITHICK, Esq., Locomotive Superintendent, to R. B. ELWIN, Esq., Agent and Manager of the Madras Railway, dated Perambore, 9th November 1876, No. 589.

In compliance with your verbal request, I now forward you a list of the machinery with an approximate estimate of its cost, which I stated this morning was very urgently required at Perambore Works, to enable us to repair the engines with greater rapidity than the present appliances will admit of, and which may enable us to maintain the number of engines at present running on the line in working order during the expected rush of grain traffic.

2. The number of engines in present daily use upon the line is 102, and three small engines have been lent to the South Indian Railway; twenty-three are in the shops for repair, of which, however, four small engines have been laid off more than twelve months for complete renewal. It has been found impossible with present appliances to turn out the new work for these except very slowly, while at the same time keeping up the work on the other larger and more valuable classes of engines. Of the nineteen other engines under repair, nine are stripped for new boilers, of which five will be turned out before Christmas by the aid of night overtime. Altogether nine of the engines now in the shops may be turned out by Christmas, but these will not increase the hauling capacity of the stock, because they are already required to replace others which must come in; ten to twelve of the engines now running will require new boilers during the next twelve months.

3. After careful consideration it had been decided to ask for more machinery independently altogether of the present rush of traffic, and the figures now given were provided for in the Budget estimate for 1877-78, with the exception of two machines which I have now added to meet the demands which may be expected upon our resources while running some twenty-five more engines as proposed.

4. The pressure of work has been most felt at the wheel lathes, screw-cutting lathes, and drills in the fitters' shop, where we are now working at great expense double shop night and day, and in the boiler shops at the drills and punching and shearing machines.

5. The list of machines is made out as concisely as possible consistent with intelligibility, with a view to the order being telegraphed, and I think it would be possible to deliver the whole order in Madras within four months from the date of the order.

6. Without help either in the form now proposed or otherwise, Perambore cannot maintain in working order the number of engines now running for any length of time.

Proceedings of the Madras Government, Public Works Department,
14th November 1876. *No.* 3,050.

List of Machinery proposed to be ordered immediately.

		Rs.
2	Double-wheel lathes to turn wheels 3 feet 9 inches diameter	14,300
1	Self-acting gap lathe 20 inches centre, bed 18 feet long	3,500
2	Screw cutting gap lathes 12 inches centre, bed 12 feet long	3,800
2	Do. do. 10 inches do., bed do.	3,000
1	Brass finishing lathe	526
2	Medium size radial drilling machines for boiler shop use	4,364
2	Standard drilling machines, self-acting, to drill up to 1¼ inch diameter.	828
1	Punching and shearing machine to punch ¾ inch holes in ⅝ inch plate, 16 inch from edge, and to shear ¾ inch plate 16 inch from edge ...	1,000
1	Planing machine to take in 3 feet wide by 3 feet high	2,000
15	Lengths of 12 feet each of 3½ inch diameter bright shafting with flange couplings	1,950
		35,268

All these machines to be provided with counter shafts and all gear as complete as possible, and main shaft pulleys in halves for each to suit main shaft speed of 70 revolutions per minute.

(Signed) F. H. TREVITHICK,
Locomotive Superintendent.

(Signed) R. B. ELWIN,
Agent and Manager.

Submitted for the consideration of Government.

2. The machinery applied for is considered by the Locomotive Superintendent of the Madras Railway to be absolutely necessary in order to maintain in working condition the number of engines now running on the line; and, if the machinery is to be of use during the expected press of traffic in the approaching season, it should be ordered at once by telegraph.

3. The Locomotive Superintendent has given his assurance that there is ample space in the existing buildings for the erection of the machinery, and that no new buildings will be required.

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

No. 244. Order thereon, 14th November 1876, No. 3,050.

RAILWAY, No. 37.

Authority to telegraph to the Board of Directors for the machinery specified is sanctioned.

2. Instructions should be included for sending out each machine as completed. This sanction will be reported to the Government of India.

(Here enter No. 3,051, dated 14th November 1876.)

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the Consulting Engineer for Railways.
Exd. E. C. Shunker.
Spare Copies

Public Works Department,
Fort St. George, 14*th November* 1876.

No. 245.

No. 3,051.

From

Major-General 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).

RAILWAY, No. 38.

Sir,—I am directed to forward the accompanying papers from which it will be observed that His Grace the Governor in Council has authorized the Agent and Manager of the Madras Railway to telegraph to his Board of Directors to send out for immediate use certain machinery urgently required in the Locomotive shops at Perambore; and to request that, under the circumstances explained by the correspondence, the action taken may be confirmed.

I have the honor to be,
Sir,
Your most obedient servant,

Major-General, R.E.,
Secretary to Government.

Exd. E. C. Shunker.
Spare Copies

PUBLIC WORKS DEPARTMENT.

Letter from the Consulting Engineer for Railways, No 550 dated 10 November 1876.

FOR ORDERS.

Submitted for orders whether authority to telegraph shall be granted. The confirmation of the Government of India to the sanction will be necessary.

Major Gen[l] R
Secy. to Govt Bo[d]

I am quite satisfied &
I sd Telegraph - insisting
directions to send out any
machinery as
may be required
i[n] duplicate. Write Telegraph
if not urgently needed
J. P. I - Must urgently needed
By. 11/11

No. Endt
No. 1129.

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE.

Madras, 9th November 1876.

From

Robt. B. Elwin Esqr.
Agent and Manager.

To

Lieut Colonel J. H. Pelham Stewart R.E.
Consulting Engineer for Railways.

Sir,

Adverting to the discussion which took place at the Meeting at Perambore this morning in which you, the Deputy Consulting Engineer, the Traffic Manager, the Locomotive Superintendent and I took part, I have now the honour to enclose for the information of His Grace the Governor in Council Copy of a letter x from the Locomotive Superintendent in which is explained the necessity for telegraphing to the Board in England for additional machinery in the shape of Wheel Lathes and drilling machines, to enable the heavy repairs now being executed

x No 589 dt 9th Nov 1876

FOR ORDERS.

8/55

at Perambore to be performed with greater despatch.

As the matter is really pressing, I have the honour to request that you will be so good as to obtain at the earliest possible moment - the permission of His Grace the Governor in Council for the despatch by telegraph of an order for the Machinery specified in the list which accompanies this letter.

I have the honour to be
Sir
Your most obedt Servt
John Fowler
Engnr and Manager.

P.W.D.
10 NOV 76
No. 6133

MADRAS RAILWAY.

From The Agent and Manager.

To The Consulting Engineer for Railways.

Dated 9th November 1876.
Recd. 10th " " "
No. 1129

Requesting authority to obtain the following Machinery for additional Machine Shop at Erode Workshop and Fitting and Smithy Machines.

Sd. 5

List of machinery proposed to be ordered immediately.

2	double wheel lathes to turn wheels 3 ft. 9 in. dia	14300
1	self acting gap lathe 20 inches centre, bed 18 feet long.	3500
2	screw cutting gap Lathes 12 inches centre, bed 12 feet long.	3800
2	do do 10 inches do, bed 12 ft. long	3000
1	brass finishing Lathe	526
2	medium size radial drilling machines for boiler shop use.	4364
2	standard drilling machines, self-acting to drill up to 1½ inch diameter.	828
1	punching and Shearing machine to punch ¾ inch holes in ¾ inch plate, 16 inches from edge and to shear ¾ inch plate 16 inches from edge.	1000
1	Planing machine to take in 3 feet wide by 3 feet high ~~of 12 feet each.~~	2000
15	Lengths of 12 feet each of 3½ inch diameter bright shafting with flange couplings.	1950
		35268

All these machines to be provided with Counter shafts and all gear as complete as possible, and main shaft pulleys for each to suit main shaft speed of 90 revolutions per minute.

Agent & Manager.

P.W.D.
1876
8133

RAILWAY DEPARTMENT.

Consulting Engineer's Office,
Madras, 10th November 1876

No. 550

SUBMITTED for the consideration OF GOVERNMENT.

2. The Machinery applied for is considered by the Locomotive Superintendent of the Madras Railway to be absolutely necessary in order to maintain in working condition the number of engines now running on the line; and if the machinery is to be of use during the expected press of traffic in the approaching season, it should be ordered at once by telegraph

3. The Locomotive Superintendent has given his assurance that there is ample space in the existing buildings for the erection of the machinery

machinery and that no new
building will be required.

P.W.D.
19NOV76
No. 8133

Yours truly
L. Fyfe R.

Cons. Engineer for Railways

To
The Secretary to Government
Public Works Department.

Sir
I have the honor

No 243
Cir 11-11-76.

From Capt. Fyfe R. C.E.
Asst. Cons. Engr. for Railways
to the Secy. to Govt. P.W.D.
Forwarding application
Requesting sanction

No 3050 Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 14 Nov 76.

Read the following:—

From
The Consulting Engineer for Railways } (R&M No 530 dy 10 Nov 1876)

Authority to telegraph to the Board of Directors for the machinery specified is sanctioned. Instructions should be included for recording at each machine as completed. Thro sanction will be reported to the Govt of India

(R&M No 3057 dy 14 Nov 76)

M S disp - 14-11-76
SC disp - 20-11-76

RAILWAY DEPARTMENT.

1876.

From
The Consulting Engineer
for Railways

To
The Secretary to Government
P. W. Department
Fort St. George

Dated 10 Nov
Received

No. 530

Enclosures. Nil

Subject

No 3057 d/14th Nov/76

The Secretary to the
Government of India
P. W. D. (Railway)

Sir,

I am directed to forward the accompanying papers from which it will be observed that His Grace the Governor in Council has authorized the Agent and Manager of the Madras Railway to telegraph to his Board of Directors to send out for immediate use certain machinery urgently required in the Locomotive Shops at Perambore - and to request that, under the circumstances explained by the correspondence, the action taken may be confirmed.

G.O.

Rec'd - 20-11-76

8133

Govt. of Madras.

PUBLIC WORKS.

To

The Secretary of State for India

Dated

Issued

Recd. Encl.

G. O., 14th Nov. 1876, No. 3050 3051

Nos. 243/45

Govt. Tele. 21-11-76

Requesting confirmation to the authority granted to the Authorities to telegraph to England for certain Machinery required for the Railway

Additional Machinery required for the Madras Railway. Passing orders on correspondence from the Engineer for Rly requesting authority to telegraph to England for certain ——

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