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. / B.P. No.	2036-37	Press / Mis.	
Dated	17-7-	1950	

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 17th July 1875.

No. 447. Read the following letter from Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to Lieutenant-Colonel J. MULLINS, R.E., Officiating Secretary to Government, Public Works Department, dated Madras, 5th July 1875, No. 371 :—

ADVERTING to the Proceedings of Government noted in the margin, I have the honor to forward, for the information of Government, the Minutes of a Meeting held on the 19th ultimo, and attended by the Harbour Engineer, the Madras Railway officials, and myself, in order to determine the preliminary arrangements necessary for the commencement of the work in connection with the construction of the harbour.

No. 1,050-B, 15th April 1875.
„ 1,642, 10th June „

2. With regard to the necessary vehicles, it was considered that 100 wagons, each capable of carrying 9 tons, is the smallest number with which the work can be efficiently undertaken. None of the existing stock of the Madras Railway is suitable, without alteration for the work, and the enclosed estimate* provides for converting 100 of the low-sided open goods wagons into high-sided open goods wagons, and for fitting them with additional springs, so as to enable each to carry 9 tons of stone. It is of importance that these wagons should be got ready as soon as possible, and I have accordingly authorized the commencement of the necessary alterations in anticipation of sanction.

* Rupees 54,100.

3. The expenditure was not provided for in the Budget Estimate for the current year, but funds to the extent of Rupees 9,877 will be met from Schedule A, "Protective Works, Goriattum Bridge," and the remainder from the following items in Schedule B :—

	RS.
Smithy at the Perambore Workshops	10,646
Iron and Brass Foundry at do.	8,659
Making up ground for Smithy and Foundry, &c.	5,255
Watering arrangements at Perambore	8,863
Over-bridge at Jollarpett Station	10,700

A special grant will be applied for if necessary after sanction is received for the construction of the locomotive buildings at Perambore.

4. I shall reply in due course to the Order of Government, dated the 10th ultimo, No. 1,642.

MADRAS RAILWAY.

Minutes of a Meeting held at the Agent and Manager's Office, Royapooram Terminus, on Saturday the 19th of June 1875.

PRESENT :

COLONEL J. H. M. SHAW-STEWART, R.E.
MR. JAMES MAY, (Harbour Works.)
„ BERESFORD ANDERSON.
„ H. E. CHURCH.
„ ROBERT B. ELWIN.

Proceedings of the Madras Government, Public Works Department,
17th July 1875.

The following rough estimate of the material required for the Harbour Works, which had been prepared by Mr. May, was read:—

PROPOSED MADRAS HARBOUR.

Rough Estimate of Stone required.

Laterite (to be obtained for the most part from the moor north of the railway near the native village of Ambatoor) lead about 10 miles—

	Tons.
Rubble stone of mixed sizes from ¼ ton downwards, to form approaches to piers	960,000
Granite (to be obtained, as at present advised, from Tirutany) lead about 51 miles—	
Rubble stone of mixed sizes from 2 cwt. downwards. This stone will be broken into the form of road metal for the manufacture of concrete after it is delivered at Madras	300,000
Total stone required ...	1,260,000

Note.—Should the Ambatoor laterite turn out in sufficient quantity for all purposes, and of sufficiently good quality for concrete, then the Tirutany granite might be dispensed with and Ambatoor stone substituted.

Probable quantity of stone required daily after the work is fairly opened up about 2,000 tons.

Mr. May stated that taking 250 working days as one year he would probably, when in full work, require the Railway Company to run six trains of 40 wagons in each direction per day, and this the Railway Officers stated they would be prepared to do provided that the wagons are loaded at the quarries and unloaded at their destination with proper despatch. It was considered that 100 wagons, each capable of carrying 9 tons, will probably be sufficient for carrying the traffic, and Mr. Elwin undertook to communicate at once with the Locomotive Superintendent with a view to the necessary provision being made. It is proposed to alter 100 of the Company's low-sided open goods wagons so as to make them suitable for the Harbour Work. An estimate of the cost of the alterations will be submitted to Government in due course.

At the request of Mr. May, who stated that the rails, &c., for the Harbour Works had not yet arrived, it was agreed that the Company should lend permanent-way materials, points, and crossings, &c., for a length equivalent to about two-thirds of a mile of single railway, partly at the quarries and partly on the beach, the work in connection with which will be executed by the Company's Chief Engineer at the cost of the Harbour Works. It is expected that the works in connection with the construction of the Harbour will be commenced in about a month from this date.

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

No. 448. ORDER THEREON, 17th July 1875, No. 2,036.

RAILWAY, No. 40.

ORDERED that the sanction of the Government of India be applied for to the alteration of the wagons in question.

The Consulting Engineer's action in authorizing the commencement of the work in anticipation of sanction is approved.

(Here enter No. 2,037, dated 17th July 1875.)

(True Extract.)

(Signed) J. O. HASTED, Major, R.E.,
Officiating Joint Secretary to Government.

To the Consulting Engineer for Railways.
" Examiner of Railway Accounts.
" Controller of Public Works Accounts.

Exd. S. T. Austin.
Spare Copies

PUBLIC WORKS DEPARTMENT,
OOTACAMUND, 17*th July* 1875.

No. 449.

No. 2,037.

FROM

MAJOR J. O. HASTED, R.E.,
Officiating Joint Secretary to the Government of Madras,
Public Works Department;

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department.

RAILWAY, No. 41.

To Government of India, No. 1,196, dated 30th April 1875.
Do. do., No. 1,372, dated 14th May 1875.
From Government of India, No. 1,363 R, dated 31st March 1875.
Do. do., No. 1,466 R, dated 9th June 1875.

SIR,—Adverting to the correspondence quoted in the margin, I am directed to forward the accompanying papers giving cover to an estimate amounting to Rupees 54,100 for the conversion of 100 low-sided open goods wagons belonging to the Madras Railway, and for strengthening their springs in order to adapt them for conveying material for the Madras Harbour Works. The necessity for the expenditure now proposed is sufficiently explained in the Minutes of the Meeting held on the 19th June, and I am accordingly to request that sanction may be accorded to the estimate. Paragraph 3 of the Consulting Engineer's letter indicates the source from which it is intended to provide funds.

2. It will be observed that authority has been given for the commencement of the work in anticipation of sanction; and I am to request confirmation of this proceeding.

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

Major, R.E.,
Offg. Joint Secretary to Government.

Exd. S. T. Austin.
Spare Copies

Madras Railway

Minutes of a meeting held at the Agent and Manager's Office Royapooram Terminus on Saturday the 19th of June 1875.

Present

Colonel Shaw Stewart R.E.
Mr. James May (Harbour Works)
Mr. Beresford Anderson
Mr. N. C. Church
Mr. Robert B. Elwin

The following rough Estimate of the material required for the Harbour Works which had been prepared by Mr. May, was read.

Proposed Madras Harbour

Rough Estimate of stone required

Laterite (to be obtained for the most part from the Moor north of the Railway near the native Village of Ambadoor) Lead about 10 miles.

Rubble stone of mixed sizes from ¼ ton downwards to form approaches to Piers ——— 960,000 Tons

Granite (to be obtained, as at present advised, from Tirutany) Lead about 51 miles.

Rubble stone of mixed sizes from 2 cwt. downwards. This stone will be broken into the form of road metal for the manufacture of concrete after it is delivered at Madras. ——— 300,000 Tons

Total stone required 1260000

Note.

Note

Should the Ambatoor Laterite turn out in sufficient quantity for all purposes, and of sufficiently good quality for concrete, then the Trivitarny granite might be dispensed with and Ambatoor stone substituted.
Probable quantity of stone required daily, after the work is fairly opened up about 2,000 tons.

Mr. May stated that taking 250 working days, as one year he would probably when in full work require the Railway Company to run six trains of 10 wagons in each direction per day, and this the Railway Officers stated they would be prepared to do, provided that the wagons are loaded at the quarries and unloaded at their destination with proper despatch. It was considered that 100 wagons each capable of carrying nine tons will probably be sufficient for carrying the traffic, and Mr. Elwin undertook to communicate at once with the Locomotive Superintendent with a view to the necessary provision being made. It is proposed to alter 100 of the company's low sided open goods wagons so as to make them suitable for the Harbour Work. An estimate of the cost of the alterations will be submitted to Government in due course.

At the request of Mr. May, who stated that the rails &c. for the Harbour Works had not yet arrived, it was agreed that the Company should lend Permanent way materials. Points

and Crossings &c. for a length equivalent to about 2/3rds of a mile of single railway, — partly at the quarries and partly on the beach, the work in connection with which will be executed by the Company's Chief Engineer at the cost of the Harbour Works. It is expected that the Works in connection with the construction of the Harbour will be commenced in about a month from this date.

W. H. Elwin

Agent and Manager.

Railway Department.

CONSULTING ENGINEER'S OFFICE.

No. 371 Madras 6 July 1875

From

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

Consulting Engineer for Railways,

To Lt Col. J. Mullins R.E.

~~COLONEL C. W. WALKER, R.E.,~~

Offg. *Secretary to Government,*

Public Works Department,

Fort Saint George.

SIR,

No 1050 B 15 Apl. 75
No 1642 10 June 75.

Adverting to the Proceedings of Government noted in the margin, I have the honour to forward for the information of Government the minutes of a meeting held on the 19th ultimo, and attended by the Harbour Engineer, the Madras Railway Officials, and myself, in order to determine the preliminary arrangements necessary for the commencement of the work in connection with the construction of the Harbour.

2. With regard to the

P.D. 4405/75

CE 17 July/75 with No 447

necessary vehicles, it was considered that 100 wagons, each capable of carrying 9 tons, is the smallest number with which the work can be efficiently undertaken. None of the existing stock of the Madras Railway is suitable, without alteration, for the work; and the enclosed estimate provides for converting 100 of the Lowsided Open goods wagons into High-sided open goods wagons, and for fitting them with additional springs, so as to enable each to carry 9 tons of stone. It is of importance that these wagons should be got ready as soon as possible, and I have accordingly authorised the commencement of the necessary alterations in anticipation of sanction. Rs 54,100

3. The expenditure was not provided for in the Budget estimate for the current year, but funds to the extent of Rs 9,877 will be met from Schedule A, "Protective works - Goriatkum bridge", and the remainder from the following items in Schedule B:-

Smithy at the Perambore workshops	Rs 10,646
Iron and Brass foundery at do	" 8,659
Making up ground for Smithy and foundery	" 5,255
Watering arrangements at Perambore	" 8,863
Over bridge at Jollarpett station	" 10,700

a special grant will be applied for if necessary after sanction is received for the construction of the Locomotive buildings at Perambore.

4 I shall reply in due course to the Order of Government dated the 10 ultimo, No 1642.

I have the honor to be
Sir
Your most obedt Servt.
Maunsell Lt Col R.E
Consg Engineer for Railways

Recd

Public Works Dept
6

Proceedings of the Madras Government
Under date the
1875.

Read the following

From
The Chief Engr for
Railways

(Ltr No 371 dated 5th July 1875)

Recd 21st July 1875

Ordered that the
Auction of the Cart of
Sackcloth applied for in
the allocation of the
wagons in question. The
Consulting Engineer's
action in authorizing
the commencement of
the work in anticipation
of sanction is approved.

S/4

Engr Engr for Rys 12
Ch Rly Accounts 1
Ch Engr 5
Ch Sec Mad 29
5 C Mad. 28-8-75

(Ltr No 1087 dated 7th July 1875)

G 015-Apl Pro No 3970-3978
- 10 June - 247-249
25 June - 516. 517.
14 May - 304. 305
3 Apl - 707.
14 May - 306 -

P. W. 1875 Dept

RAILWAY DEPARTMENT.

No. 4405

From
The Consulting Engineer,
for Railways,

To
The Secretary to Government,
P. W. Department,
Fort Saint George.

Dated 5
Recd 6 July 1875

No. 371

Fort 2.10

Submitting for sanction
estimate of the cost of
converting 100 low sided
open goods wagons into
high sided open goods
wagons for the use of
carrying materials
for the proposed railway
to Arcot

G.O. 27th July 1875 No 2036

Rlr - 9.7.75 (Rld. 13.7.75
No. 13 Hert 6-7-75

4465

Govt. of {1875} Madras.

PUBLIC WORKS.

No.

Dated

Rec'd.

Read.

G. O. 17 July — No. 2036 2037

Nos. 447-448

449

Recommending the issue of sanction to the expenditure of Rs. 1,00,000 for the Godavari Irrigation Works during the current year.

Ordered — Ordered that the sanction of the Government of India be applied for.

Ordered in anticipation of the sanction applied for.

The Comm. Engrs.

for ——.

the commencement of the work in anticipation of sanction applied for.