Public Works (1894) Department.

RAILWAY BRANCH.

G.O., No. 647 R

DATED 4th December

[Despatch Abstract.]

Girder bridges. — Estimate of Rs 24,985 for strengthening some of the — on the North-west and South-west lines, Madras Railways, sanctioned.

Ind-wd.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From the Agent and Manager, Madras Railway Company, to the Consulting Engineer for Railways, dated Madras, 5th September 1894, No. 7759/691.

Adverting to paragraph 3 of your letter No. 2136 of the 7th July last, I have the honour to forward herewith an estimate for strengthening some of the girder bridges spanned by weak girders on the North-west and South-west lines and to request that the sanction of Government may be conveyed to me for the required outlay Rs. 24,985 chargeable to Revenue.

The estimate provides for strengthening these girders up to the full extent required by the Government rule as suggested in your letter above quoted.

The following extract from a letter from the Chief Engineer contains a description of the method of strengthening decided upon in the case of the several bridges included in the estimate :—

"(i) *Two hundred and ninety-seven spans of 6 feet rail girders.*—These will be strengthened by duplicating and the insertion of the additional girders can be easily carried out.

"(ii) *Thirteen spans varying from 20 to 24 feet.*—These will be strengthened by additional plates added to the top and bottom flanges.

"(iii) *Three single spans of 50 feet.*—These will be strengthened by halving the spans by means of a central masonry pier 3 feet in width which it is found will not interfere with the water-way. Two of these bridges are floored and the third has a rock foundation and the highest recorded floods are comparatively small as compared with the head-way of the bridges."

The provision for contingencies has been made at ten instead of at five per cent. as the Chief Engineer considers it necessary owing to the miscellaneous nature of the work.

Information as to provision in the budget and date on which sanction will lapse is given on the estimate.

ORDER—dated 4th December 1894, No. 647 R., Public Works.

Sanctioned.

2. This sanction has been registered as No. 15 R. of 1894–95.

(True Extract.)

(Signed) F. R. UPCOTT,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

To the Agent and Manager, Madras Railway.
" Examiner, Guaranteed Railway Accounts.

Exd. C. A. Muniswamy.

Spare Copies

RAILWAY.

Govt. of {1894} Madras.

PUBLIC WORKS.

Dated December, 4th.

Read.

Encl.

G.O., 4th Dec. 1894, No. 647 R.

DECEMBER.

Girder Bridges

Estimate of Rs. 24,985 for strengthening some of the — on the North-west and South-west lines, Madras Railway, sanctioned.

Read 4

No 7759
694

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Or
Rec.66;
6791

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE

Madras, 5th September 1894

From

The *Agent and Manager.*
M R Cox.

To

The *Consulting Engineer for Railways.*
Madr

Sir,

Adverting to paragraph 3 o
your letter c/o 2136 of the 7th July last. I h
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the insertion of the additional girders can
be easily carried out.

II. 13. spans varying from 20 to 24 feet. These
will be strengthened by additional plates
added to the top and bottom flanges.

III 3 Single spans of 50 feet. These will be
strengthened by halving the spans by
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I have the honour to be
Sir
Your most obed[t] Servan

Lewis Simms

Agent & Manager

647 R dy 4-12-94

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Letter from the Agent & Manager Madras Ry. } No. 2759/694 dy 5 Sept 94

Sanctioned.

2. This sanction has been registered as No 15 W dy 1 Dec of 1894-95.

DESPATCHED
17 DEC. 94

To The Agent & Manager Madras Ry

Ex GO Ryotwari

MADRAS RAILWAY.

From The Consulting Engineer for Railways.

To The Agent and Manager.

No.

Dated

Read