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**MADRAS RECORD OFFICE.****Government of Madras.***Public Works* **DEPARTMENT.**G.O. No. 186Press  
Mis-379-380Dated 18-1-18 64**Not to be folded or roughly handled**

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*Proceedings of the Madras Government, Public Works Department,  
18th January 1864.*

No. 379. Read the following letter from Sir MACDONALD STEPHENSON, Chairman Indian Tramway Company (Limited), to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Madras, 26th December 1863:—

SIR,

I have the honor to forward a copy of instructions to the Engineer of the Tramway Company W. Hardinge, which I trust will meet the concurrence and approval of the Government, whose views I have endeavoured to carry out on all points.

From Sir MACDONALD STEPHENSON, Chairman, Indian Tramway Company (Limited), to GEORGE HARDINGE, Esq., C. E., Engineer of the Arconum Line, Indian Tramway Company (Limited), dated Madras, 26th December 1863.

DEAR SIR,

1. I send a few lines for your guidance and instruction, with reference to the line of light Railway between Arconum and Conjeveram.

*Funds.*—You will obtain from Messrs. Arbuthnot, & Co. from time to time the funds required, and sanctioned by the Committee.

*Road.*—You will at once set out and peg the line from the Junction at Arconum to the site selected at Conjeveram, taking one-half the present roadway, and leaving the other half for the ordinary traffic.

*Fencing.*—You will at once fence the whole line, on each side at a distance sufficient to protect the young trees from cattle. A ditch and mound, cactus or other quick growing plant to be sown, and temporary wood fence on the outside of the mound, to protect from cattle.

*Staff.*—Efficient assistance will be provided by favor of the Madras Railway Officers, on application.

*Approaches.*—The arrangements for approaches at both the termini, the gradients, curves, waterway, and means of crossing, to be observed, except where varied from further experience you may obtain.

*Contracts.*—The quantities approximately ascertained, contracts should be at once entered into on the most favorable terms with responsible men for taking, delivering, and depositing along line of P. W. materials—for earthworks—ballast delivered along line—fencing—sleepers—laying permanent way, and brickwork—for timber in bulk for piles, and crossing the Irishbridges and for bungalows or station buildings for immediate occupation by staff, and after use by the Company.

*Engine Repairs* will be executed at first by the Madras Railway Company at their works.

*Rolling Stock.*—Estimates should be at once obtained for the building of Carriages and waggons, including iron work and price with iron work furnished by the Company.

*Telegraph.*—To be erected.

✓ *Corteliar Bridge.*—A screw pile bridge of 450 feet should be immediately ordered from England, and the line crossed by a temporary dam, until the monsoon season. I have ordered this bridge by this mail, to save time.

*Government Substratum.*—The Government provision of the substratum includes the Corteliar Bridge, but you will best consult the wishes of Government, by completing the line with all possible despatch (by 10th May if possible, when many thousands of passengers go to Conjeveram), and when the line is opened the proportion of any expenditure which belongs to the Government, will after examination be defrayed by the Government.

*Plans.*—Your plans will be proceeded with speedily, and your drawings and information of all descriptions should be open to inspection and approval of any Officer of the Government who may be appointed, should such a course be deemed advisable by the Government.

*Accounts.*—Your accounts will be audited quarterly by an Auditor nominated specially for the purpose.

*Laborers.*—Your special attention should be given to the workmen being regularly paid and protected, whether employed by the Company or under contract, to ensure a certain supply of labor at all times.

*Borings.*—Should be taken at the Corteliar and Palaur rivers, the Government instruments being borrowed, and the results transmitted with all despatch to the Company's Engineers in England.

*Proceedings of the Madras Government, Public Works Department,  
18th January 1864.*

*Sleepers.*—Wood sleepers must be used at first, whether replaced hereafter by pot-sleepers or not, as determined by the experience of the Madras Engineers, and if a slight increase of size can be obtained without much additional cost, they should be so increased.

*Working.*—Instructions will be sent out in time to make all needful arrangements.

2. On all points your own experience, with the early instructions of the Company's Engineers in London will suffice for your guidance, and you will appreciate the advantage of profiting by the great local knowledge of the Officers both of the Government and of the Madras Railway Company who have obligingly intimated their desire to afford to the Company any advice or assistance required.

No. 380.

ORDER THEREON, 18th January 1864, No. 186.

Ordered to be recorded.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,  
Secretary to Government.

Exd. T. Dann.

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Colonel Orr, R. E.  
Secy to Govt. P. W. D. &  
Madras.

Madras Dec 26 1863

Sir, I have the honor to forward a copy of instructions to the Engineer of the Tramway Co. W. Hardinge, which I trust will meet the concurrence & approval of the Government, whose views I have endeavored to carry out, on all points.

I have the honor to be

Sir, Yours faithfully  
Marion de Stephenson  
Assistant Ind. Tramway Co.

Enc.  
of instructions  
to Mr. W. Hardinge, Eng.  
Dec. 26 Dec 1863

Copy in Letter to England.  
Extra 20: February 1864.

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PM 1863 1864  
Copy of the Letter to England  
of 1863 1864 1864

From

Sir McDonald  
Stephenson, Esq.

Recd 26/3 Dec 1863

St. James

Conceding for the  
consequence and approval

of the copy of the

letter from to the

Engineer of the Steamers

21/2 186

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1863 1864 1865

For the information and  
order of the Government

Charles A. M. Colonel R. B.

Secretary to Govt. 1863