[L. & M. 9,000-8-8-96.]

Local & Munl. (1895) Department.

MISCELLANEOUS.

G.O., No. 2057/M

DATED 7th December 1895.

[Despatch Abstract.]

Oriental Telephone and Electric Company.

Recording G.O., Public Works Department (Railway), request-ing the Madras Electric Tramway Company to carry out certain alterations in consequence of continued interference with the working of the-----.

BACK PAPERS.

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

FURTHER PAPERS.

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

m No. 3.

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Electricity Act of 1887 and Rules made by the Governor -- General in Council thereunder.

Proceedings of the Madras Government, Local & Municipal Department, No.629 M. Mis: dated 8th April 1895.

From the Government Inspector of Railways, dated 22nd March 1895, No.1015 reporting that he had inspected the No.1 section of the Madras Electric Tramway on the 21st March 1895.

The attention of the Consulting Engineer for Railways will be drawn to G.O. dated 6th April 1893, No.669 M., which contains the order applying to the Madras Electric Tramways Company (G.O. dated 15th June 1889, No.733 M., referred to by him, refers to the Indian Tramways Company) and he will be -- requested to report whether, in accordance with condition -- No.19 of the order printed in that paper communication by the existing Government telephone and telegraph lines has, in the construction of the tramway, been safe-guarded as provided in the rules made under the Electricity Act XIII of 1887.

Letter from the Superintendent, Government Telegraph, Madras Division, to the Consulting Engineer for Railways, Madras No.5928, dated 21st November 1895.

I have the honor to invite your attention to my [illegible] No.1871 dated 17th June 1895 and to inform you that [illegible] mental trial of the overhead single trolley syst[illegible] tric traction took place on Sunday the 3rd in[illegible]

presence of representative of Messrs: Arbuthnot & Co., the Agent and the Electrician of the Oriental Telephone and Electric Company, the Electrician x of the Eastern Extension Australasia and China Telegraph Company, my Sub-Divisional Officer and myself Mr. Gadsby, Superintending Electrical Engineer to the Tramway Company being present for a part of the trial.

2. As you have been deputed by the Madras Government to deal with this matter, I have the honor to submit to you the following report:-

3. The above named gentlemen met at the telephone Company's Mount Road Exchange where 2 Telephone Receivers had been inserted in a mettallic circuit about 5½ miles in length, a portion of which was formed by one of the trunk lines connecting the two Exchanges, the remainder being remote from the Tramway alignments. This Trunk Line runs parallel with the conduit section (No. I) of the Tramway for about 1½ miles, and it was therefore necessary for the purposes of this trial to stop the running of cars for a time. The line also follows the overhead section (No.II) for about 500 yards and arrangements had been previously completed for a car to run over this section while the results were closely watched before the trial commenced all the wires which were supported on the posts carrying the wire used for the experiment were insulated and this wire was then tested with satisfactory results its absolute insolation being 33 megohms and conduction 271 ohms.

4. The trial showed that while the car was in motion the noises produced in the Receivers were, if anything, louder than those hitherto causing disturbance on section I and taking into consideration the comparatively short length of the circuit within the influence of the Tramway currents. I consider the result proves that the ...ad system is certain to create very serious interference ...phone communication and that it will in all probability ...r trouble than has been noticed in the case of the

5. Under the circumstances now reported to you and also -- reported in my letter No. 1388 dated 24th May 1895 it becomes necessary, in order to protect the Telephone Company under the terms of the Electricity Act, that the Tramway Company should bear the expense of diverting the Telephone Company's Trunk Lines as well as of those other Telephone Lines of theirs where communication is certain to be injuriously affected by the currents on Tramway sections II and III.

6. From a visit received from Messrs: Saunders and Pinsent the former the principal officer in India the latter the local Agent of the Telephone Company I learnt that they had come to terms with Messrs. Arbuthnot & Co., the arrangements being that the former gentlemen undertook to carry out the necessary works for about Rs. 12,000 and guaranteed that it should not exceed -- Rs. 12,500 Messrs: Arbuthnot agreeing to defray the cost on -- these conditions on enquiring into the extent of the work of dismantlement and erection necessary, I am of opinion that -- the estimated cost is a fair and reasonable one, and I think you could not do better than sanction these terms which have -- been ~~entirely~~ amicably arranged.

7. At the same time I would ask you to insist, in the interests of both parties, that Messrs: Arbuthnot supply the -- Agent of the Telephone Company with drawings showing clearly the alignment to be followed by extensions of the Tramway the building of which may be contemplated hereafter and that the Telephone Company be directed to avoid these alignments as -- far as practicable when erecting all new connections.

8. When all the above is done, the case as far as the Telephone Company is concerned may be looked upon as settled. But I beg to invite your attention to my letter No. 1177 dated -- 15th May 1895 paras 1 to 3 and to inform you that so far as I am aware no settlement between Messrs. Arbuthnot & Co. and the Eastern Extension Australasia and China Telegraph Company has yet been arrived at and to request that you will be so -- good as to urge the early conclusion of the matter.

presence of representative of Messrs: Arbuthnot & Co., the Agent and the Electrician of the Oriental Telephone and Electric Company, the Electrician x of the Eastern Extension Australasia and China Telegraph Company, my Sub-Divisional Officer and myself Mr. Gadsby, Superintending Electrical Engineer to the Tramway Company being present for a part of the trial.

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9. The projected substitution of the overhead for the conduit system on Tramway section No.I will in no way lessen the interference experienced by the Eastern Extension Australasia&China Telegraph Company as in both system a grounded return is employed (i.e.,one or both rails) and the only remedy is to give this -- Company the use of distant earths. I believe the arrangement referred to in para 3 of my letter above quoted would probably be cheapest and best and if it is finally settled that new cables have to be laid with this object I would remind you that work of this ~~matter~~ nature ought to be carried out at the most favourable season of the year viz., when the weather is coolest.

10. As the regards the Telegraph and Telephone Lines under my immediate charge I have so far noticed no interference with communication from the high currents employed by the Tramway Company and am therefore in hopes of its being unnecessary for me to put in any claim against them.

Copy of letter from Messrs Arbuthnot & Co., Attorneys to the Trustees for the Debenture Holders, for the Madras Electric Tramway Company, Madras, to the Agent, Oriental Telephone and Electric Company Limited, Madras, No.943, dated 19th November 1895.

Proposed alterations in your lines.

We beg to acknowledge receipt of your letter of the 16th instant and note its contents and have forwarded a copy to the Trustees.

We cabled them on the same date giving your estimate and asking them to sanction the arrangement and remit the necessary funds and now have their reply as follows:-

"Government of Madras order will submit"

Which is much what we had anticipated; we therefore beg to suggest that you should take steps at once to obtain the necessary ~~road~~ sys and orders from the Consulting Engineer and Joint Secretary for Railways &c., and from the Superintendent of Telegraphs in order that we may be able to cable the necessary advices and instructions to our friends, after which there need be no further delay.

This part of the correspondence must be conducted by yourself as it is obvious that we occupying as it were, the position of defendants cannot well apply for our own communication.

Copy forwarded to the Superintendent of Telegraphs, Madras Division for information.

(Signed) W. Pincent,
Agent,
Oriental Telephone Electric Co. Ld.

Order thereon:-No.903 R dated 26th November 1895.

Under the powers conferred by the above mentioned Act and Rules and in consequence of the appliances or apparatus of the Madras Electric Tramways Company Limited continuously affecting injuriously the telephone and telegraph lines of the Oriental Telephone and Electric Company Limited and the Eastern Extensions Australasian and China Telegraph Company Limited respectively, the Madras Electric Tramways Company Limited is required to carry out all such alterations in the appliances or apparatus of that Company as are mentioned in the letters read above and to prevent the apparatus or -- appliances of such Company injuriously affecting the Telephone and Telegraph lines of the other Companies above mentioned -- so far respectively.

2. In order to prevent such injurious affection in future the Madras Electric Tramways Company Limited is required to furnish the Oriental Telephone and the Electric Company -- Limited with a plan showing the future alignments of the Tramways to be constructedd by the Madras Electric Tramways Company Limited and the Oriental Telephone Company Limited will,

in

in erecting new connections of its lines, avoid, as far as possible, such future alignments.

(True Extract)

F Rupcott

Joint Secretary to Government,

P. W. D. Railway Branch.

To,

The Madras Electric Tramways Company Limited.

Sir Daniel Cooper Baronet C.C.M.G. and Mr. J. W. Barclay Trustees under the Indenture of the 23rd day of October 1894.

Messrs: Arbuthnot & Co., Attorneys of the above named Trustees.

The Superintendent of Telegraphs, Madras Division.

" President Municipal Commission, Madras.

" Local and Municipal Department.

Public Works Department,

Railway Branch.

Local & Municipal Dept.
CURRENT No. 3654 M

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following,

The Electricity Act XIII of 1887 and rules.

G. O. No. 629 M.Mis : dated 8th April 1895, Local and -- Municipal.

Letter from the Superintendent, Government Telegraphs, Madras, No. 5928 dated 21st November 1895.

I have the honor to invite your attention to my letter No. 1871 dated 17th June 1895, and to inform you that the experimental trial of the overhead single trolly system of -- electric traction took place on Sunday the 3rd instant in the presence of a representative of Messrs: Arbuthnot & Co, the - Agent and the Electrician of the Oriental Telephone and Electric Company, the Electrician of the Eastern extension Australasia and China Telegraphic Company, my subdivisional officer and myself Mr. Gadsby, Superintending Electrical Engineer to - the tramway company being present for a part of the trial.

2. As you have been deputed by the Madras Government -- to deal with this matter I have the honor to submit to you -- the following report:-

3. The above named Gentlemen met at the Telephone Company's Mount Road Exchange, where two telephone receivers had been inserted in a metallic circuit about 5½ miles in length- a portion of which was formed by one of the trunk lines connecting the two exchanges, the remainder being remote from the -- Tramway alignments. This trunk line runs parallel with the -- conduit section (No. I) of the tramway for about 1½ miles, and it was therefore necessary for the purposesof this tri[al]

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4. The trial showed that while the car was in motion - the noises produced in the receivers were, if any thing louder than those hitherto causing disturbance on SectionI, and taking into consideration the comparatively short length of the- circuit within the influence of the Tramway currents, I consider the result proves that the overhead system is certain - to create very serious interference with Telephone communication and that it will in all probability cause graater trouble than has been noticed in the case of the conduit system.

5. Under the circumstances now reported to you and ~~als~~ also reported in my letter No.1388 dated 24th May 1895, it becomes necessary in order to protect the telephone company under the terms of the Electricity Act, that the tramway company -- should bear the expense of diverting the Telephone company's- Trunk lines as well as of those other telephone lines of theirs where communication is certain to be injuriously affected by- the currents on Tramway sections II and III.

6. From a visit received from Messrs: Saunders and Pin cent the former the principal officer in India and the latter the local Agent of the Telephone company, I learnt that they- had come to terms with Messrs: Arbuthnot and Company, the arrangements being ~~made~~ that the former Gentleman undertook to - carry out the necessary work for about Rs.12,000 and guaranteed that it should not exceed Rs.12,500, Messrs: Arbuthnot agreeing to defray the cost on these conditions, on enquiring --- into the extent of the work of dismantlement and erection --- necessary , I am of opinion that the estimated cost is a fair and reasonable one, and I think you could not do better than- sanction these terms which have been amicably arranged.

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Letter from the Superintendent Government Telegraph Department No. 5933 dated 21st November 1895.

Letter

Letter from Madras Electric Tramways to the Agent Oriental -- Telephone and Electric company Limited, Madras, No.943 dated- 19th November 1895.

Proposed alterations in your lines

We beg to acknowledge receipt of your letter ~~No.~~ -- of ~~th~~ the 16th instant and note its contents and have forwarded a - copy to the Trustees.

We cabled them on the same date giving your estimate and asking them to sanction the arrangement and remit the necessary funds and now have their reply as follows:-

" If Government of Madras order will submit" which- is much what we have anticipated we therefore beg to suggest- that you should take steps at once to obtain the necessary -- letters and orders from the Consulting Engineer and Joint Secretary for Railways &c, and from the Superintendent of Telegraphs in order that we may be able to cable the necessary -- advices and instructions to our friends ,after which there -- need be no further delay .

The part of the correspondence must beconducted by your self as it is obvious that we occupying as it were the position- of defendants cannot well apply for our own communication.

Letter from the Agent Oriental Telephone and Electric Company to the Superintendent of Telegraphs, Madras, No.942 dated ---

---

Order thereon, No. 802 R/ dated 26th November /95.

Under the powers quoted in the above Act and in consequence of continued interference with the working of the -- Oriental Telephone and Electric Company Limited—

The Madras Electric Tramway company are requested - to carry out the necessary alterations required and referred to in the above letters .

Letter from Madras Electric Tramways to the Agent Oriental -- Telephone and Electric company Limited, Madras, No.943 dated- 19th November 1895.

Proposed alterations in your lines.

We beg to acknowledge receipt of your letter ~~No.~~ -- of ~~th~~ the 16th instant and note its contents and have forwarded a - copy to the Trustees.

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Letter from the Agent Oriental Telephone and Electric Company to the Superintendent of Telegraphs, Madras, No.942 dated ---

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The Madras Electric Tramway company are requested - to carry out the necessary alterations required and referred to in the above letters .

2. A plan showing the future alignments of the tramway should be furnished to the Telephone company, who will in future avoid these alignments as far as possible in erecting new connections.

(True Extract)

J. Rupcott

Joint Secretary to Government, P. W. D.

Railway Branch.

Messrs: Arbuthnot & Co.
Attorneys to the Trustees to the Debenture Holders, M.E.T.C

The Superintendent of Telegraphs, Madras Division.

" President Municipal Commission, Madras.

" Local and Municipal Department.

R. Form No. 21.
500—18-9-95.

Legislative & Municipal Dept.
CURRENT No. 3854 M
1895.

Public Works Department,

Railway Branch.

u
Mis

Order No. 205 Mis.
Record
V.R
4/12/95

No. 802 R.

Dated 26th November 1895.

Despatched 27th November 1895.

Received

CHIEF SECRETARY
28 NOV. 1895
GOVERNMENT OF MADRAS

SUBJECT.

Working of the Oriental Telephone and Electric Company.

Ordered that the Madras Electric Telephone Company be requested to carry out certain alterations -- in consequence of continued interference with the -----

Kennaway.

(with order)

ORDER OF GOVERNMENT, DATED
189 , No , MISCELLANEOUS.

WITH DITTO.

GOVERNMENT

WITH DITTO.

FILED UP, BEING MEANT FOR DESPATCH
ORIGINAL (not paged).

BACK PAPER, No. OF 189

FURTHER PAPER, No. OF 189

A — Copy in full
B — Not to be copied.
P — Copy abstract only.
Q — Copy heading only.

Copied by

Examined by

[7]

INDEXED.

Miscellaneous.

LOCAL AND MUNICIPAL DEPT.

G.O., DATED 7-12-95

No. 2057 m

When given for copying.

[Despatch Abstract.]

Oriental Telephone & Electric Company.

Recording G.O. P.W.D. (Ry.) requesting the Madras Electric Tramway Co. to carry out certain alterations in Consequence of Continued interference with their working thereof _____.

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No. DATED

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