

Public Works (1899) Department.

RAILWAY BRANCH.

G.O., No. 291. Ry.

DATED 15th March 1899

Includes Rs 100 by 27/2/89

[Despatch Abstract.]

Madras Electric Tramway.

Coming to the supply of telegraphs, Madras &c.
letter from Messrs. Robertson & Co., Attorneys
to the trustees of the Debutante Holders of the
regarding the action taken to remedy the
leakage on the tramway lines which caused
serious damage to the cables of the Govt.
Telegraphs lines.

B.

G.O.	No.	Department.

R.K.
Mason

Have we received
any later correspondence from
Messrs. Ashburton & Co
on this subject - see their
letter of 8 March 1899 /
page of the ...

Re -
20/5/00

A.R.
I have looked up and do not
find any later correspondence on
the subject from Messrs Ashburton
and Co

82
30/5

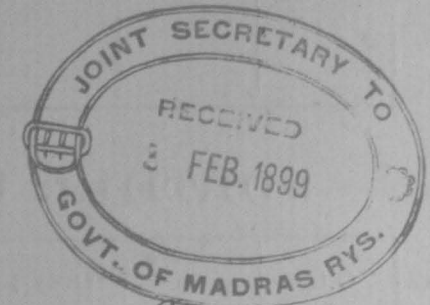
R.K.
Keep this here for
the present -
OK.
31/5/00

FU

G.O.	No.	Department.
	308-9	Ry

68 Ro
Public (189) Department.

ION,
Railway
CURRENT No. 964
173



No: 776 C d 3 Feb. 99
East
Order

To
R.
For disposal
Aek 1.2.99

From The Supt of Telegraphs
Madras Division

No. 7250.

Dated 31-1-99

W. 2.2.99

Received
Registered 1.2.99
Enclosures Recd 3.2.99
Spare copies

SUBJECT.

Bringing to notice that the
Board of Trade limit of 7 volts
with regard to the difference of
potential between the power station
and the end of the Tramway Conductor
has been very much exceeded by the
Madras Electric Tramway.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

L 2c. (1/2 foolscap).

GOVERNMENT TELEGRAPH DEPARTMENT.

FROM *A. W. Ford Esq.*
~~THE~~ SUPERINTENDENT,

TO *The Secretary to Government of*
Madras, Public Works Department.

No. *7250* Dated *31 January 1899*
 (Place) *Madras.*

Encs. Recd.

INDEX No.

OF 189 -9 .

ABSTRACT.

PRECIS.

SIR,

With reference to your letter No. , dated the
 of 189 , I have the honour to bring to your
 notice that the Board of Trade limit
 of 7 Volts with regard to the difference
 of potential between the power Station
 and the end of the tramway Conductor,
 has been very much exceeded by the
 Madras Electric Tramway.

The Electrician of this Department
 when recently in Madras, made some
 experiments with regard to this, and
 found that the difference of potential
 varied between 15 and 20 Volts, showing
 that the leakage is very much in excess of
 what it should be.

This large leakage has caused serious
 damage to the cables of this Department
 and I would ask that steps may be
 taken to Compel the Tramway Company
 to conform to the limits specified.

I have the honor to be,

Sir,

Your most obedient servant,

A. W. Ford
 Superintendent
 Madras Division.

Madras, 10 Feb 1899

Letter

OFFICE NOTE

From E. R.

No 468.

To Messrs. Arbuthnot & Co.

Sir,

In forwarding copy of a letter
addressed by the Supdt
of Telegraphs Madras Division to
the Secretary to Govt. P.W.D.

I have the honor to request that
prior to my taking the order of Govt. on ^{the subject} you will let me know what

steps ~~the~~ ^{you propose} to take to ~~reform~~ ^{to the English}
Board of Trade ~~regulations~~ ^{standards} viz.
to 7 Vols.

Yours
E. R.

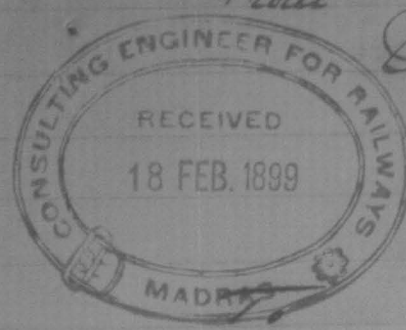
9/2/99.

Sr. This is quite wrong. What have we
anybody in India got to do with the Board of
Trade Regulations? We have our own laws, and the British
Government under the act. Don't you expect just as well quote
the "American Constitution" in the B.T.R. The Telegraphs are made
up to their accepted standard, viz 7 Vols. &
difference of 1/2 volt.

Despatched on 10/2/99
Revised Cfg - 20/2/99.

Yes but how could I mention the
7 Vols. at the limit does not
appear to be laid down in our
rules & I presume the Madras
Electrician is an English trained
man & knows B.T.R. 7
Vols. is quite to one
its strength.

Quadrant 17 February 1899



From Messrs. Arthur and Co.
Attorneys to the Trustees
for the Debenture Holders
Quadrant Electric Tramways.

915
18.2.99

The Consulting Engineer for Railways
Quadrant.

Sir

Flag P

With reference to your letter of the 10th inst. we now beg to enclose herewith extracts from our Engineer's report dated 14th inst. and have the honor to request you to be good enough to let us know whether you will agree to appoint some one to attend the test proposed by him, and if so, to state what date will be most convenient for the purpose.

We have the honor to be

Very

Sir

your most obedient servants

A handwritten signature in cursive script, likely belonging to one of the attorneys mentioned in the text.

Attorneys to the Trustees
for the Debenture Holders
MADRAS ELECTRIC TRAMWAYS.

Extracts from a report, n^o C/18 dated 14th Feb. 99 from
the Engineer of the Canadian Electric Tramway Company

With regard to the statement that we have
a drop of from 16 to 20 volts between the extremities of
our rail return, I beg to state that we have no such high
drop between any two points on our lines with full working
load.

As to the tests which were made and at which
I was present, I am unable to pass an opinion, not having
kept a copy thereof. If however the Superintendent of
Telegraphs would supply me with one, I have no doubt
but that I will be able to explain to their satisfaction how
the error has been made.

flag R This matter ought to have been settled when the
concession was passed for the installing of the Tramways
instead of now when, if our drop in voltage was considered too
high, it would mean putting us to some considerable expense
if it was found necessary to rebore the whole of our system.
I may mention however that our return is very fair and
that it is now in almost as good condition as when the line
was put down.

Taking into account the difference of climate
I should say our return compares favorably with some of
the systems now running at home. I may here mention that
on the completion of Sections IV and V our drop will be
considerably reduced.

I would be pleased if the Consulting Engineer
for Railways would, within the next week or two, depute a
representative or representatives to witness a test which I
shall have much pleasure in making for their benefit when
I hope they will agree with me that our line return is in
good condition. The test must necessarily be made after dark
that is when we do at 10 P. M. Any evening would
suit me if two days notice were given.

Sd/- R. T. Dean
Engineer in Charge
C. E. T.

17.2.99 True Extracts
S. E. Dean

Papers to be read in Proceedings:—

Again G.O., dated

189 , No.

Again G.O., dated

189 , No.

Phy Current No. 173 of 1899, dated 3-2-99, from Supdt. Madras Div.
 Cong. Engrs No. 468 " 189 " 10th Feby. ' 90 Govt. Tel. Dept.
 Current " No. 915 " 1899, " 18th Feby. " Messrs. Arbuthnot & Co.

ORDER.

No. 240. By dated 27/2/99

W. M. H. In Amund, C.S. 1

G.O. for approval.

flag A

FWS

flag B

MA 23.2.99.

28/2/99 flag E

To,

Messrs. Arbuthnot & Co.,
 Attorneys to the Trustees,
 for the Debenture Holders,
 Madras Electric Tramways.

The Superintendent,
 Telegraph Department,
 Madras Division.

Under the provisions of Rule No. 51 of the Rules dated 3rd December 1897 which were published by the Governor-General in Council under the authority of Section 4 (b) of Act XIII of 1887, Messrs. Arbuthnot and Co., Attorneys to the Trustees for the Debentures Holders, Madras Electric Tramways, are hereby directed to adopt such measures as will reduce to seven volts the difference of potential between their power station and the end of their tramway conductor.

2. As the Superintendent of Government Telegraphs, Madras Division, has reported that the leakage, shown by a difference of potential, measured under his direction of 15 to 20 volts, has caused serious damage to his cables, the attention of the Attorneys of the Debenture holders is called to Rule No. 52. flag A

FWS

B. 21/2/99

Public Works (1899) Department.

Railway
CURRENT No. 349

Bf
Communicate to Telegraph
Sept 1st
Order

No. 291. Dated 15/3/99
Communicated to the Supt

Genl Telegraph Dept Madras Division
for information with reference

G.O. No. 260 RM of 27 February 1899.

From

Messrs. Clark & Co. Ltd.
Attorneys to the
Trustees for the
Debt-holders
No. 11. " Tramways.

Dated 8th March 1899

Received

Registered

Enclosures

Spare copies

SUBJECT.

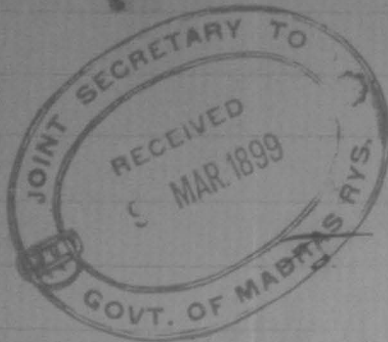
Tramways lines

Replying with reference
to the leakage on that Coy's
— that the longer same
time back. Submitted to
the Trustees, a copy of the
Test he had made, which
gives the leakage at much
under what the Telegraph
Department made it & that
instructions from the Coy.
will have his immediate
attention

Despatched on 15/3/99

15/3/99
15-99

Y
From



Excs³ Robert Lind and
Attorneys to the Trustees
for the Debenture Holders
London Electric Tramway

The Secretary to Government
Public Works Department (Railway Branch)
Quaroes.

Li.

We have the honor to acknowledge receipt of
G. O. n^o 240 Ry: dated 27th Feb: '99, with reference to the
leaseage on this Company's Trammway Lines.

In reply, the Engineer reports that - some time back he submitted to the Trustees a copy of test he had made, which gives the leakage at much under what the Telegraph Department made it; and by an early mail he expects to receive instructions from the Company how to deal with the matter, which will then have his immediate attention.

We have the honor to be

С. С. С.

~~your most-dedicated servant~~

~~your most-dedicated servant~~
~~Samuel~~

Attorneys to the Trustees
for the Debenture Holders
MADRAS ELECTRIC TRAMWAYS.