

Public Works (1897) Department.

G.O., No. 629-30 R

DATED 9 September 1897

[Despatch Abstract.]

Winters' System of Electrical Inter Communication.

Ordered that the Govt of India be informed that this Govt has sanctioned the fitting of — to all the bogie passenger vehicles which are run on the main line mail trains of the I. G. Ry: but that as the work has not yet been completed the Agent is not yet in a position to report on the results.

The Govt of India addressed

Encl 97

BACK PAPERS.

FURTHER PAPERS.

Public Works (1897) Department.

CURRENT No. 6924

Order

From

The Gout of India

No. 548 R I

Dated 9th July 1897

Received 12-2-27

Enclosures

Spare copies

SUBJECT:

System of Communi-
cation on the South
Indian Ry. between
passengers and Ry.
servants in charge of
trains.

calling for certain
information re: the —

FURTHER PAPERS.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

RAILWAY TRAFFIC.

To

The Joint Secretary to the Government of Madras,
Public Works Department, Railway Branch.

Simla, the 9th July 1897.

Sir,

In reply to a reference from the Agent, East Indian Railway in 1892 regarding the system of communication on the South Indian Railway between passengers and railway servants in charge of trains it is understood the Agent, South Indian Railway, stated that the only means of communication then existing between passengers, guards and drivers on the through mail trains was the foot-board, that on mixed trains this was available between passengers and guards only, and that as occasion had about that time occurred pointing to the necessity for more efficient communication the matter had been referred to the Board. If, as appears to be the case, the South Indian Railway Company have had under consideration the introduction of some means of communication other than the foot-boards of carriages, I am to enquire whether any decision has been arrived at or trial made.

(a) a description of the system;

those running a specified distance without stopping; and especially

(c) what has been the experience gained.

3. The favour of an early reply is requested.

I have the honour to be,

Sir,

Your most obedient servant,

P. A. Annum

Under Secretary.

Documents accompanying:-

Nil.

No. CN 6974

No 2372

19-7-97

Copy forwarded to the Agent S.I. by for same or early report.

19 July

Despatched on 19-7-97

[Signature]

6.

RECEIVED
25 AUG. 1897

No. 548 R. 4.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

Also, 25.8-97 RAILWAY Traffic.

TO THE Joint Secretary to the
Govt of Madras, Public Works Dept.
Railway Branch
Simla, the 25th August 1897.

The undersigned is directed to invite attention to the letter noted below, and to request that the reply may be expedited.

Mountain Lake Capt R. D.

Asst. ~~Under~~ Secretary.

Lo

P. W. D. No. 548 R² dated 9th July 1897.
Requesting to be furnished with
a description of any system of
communication between passengers
+ railway servants in charge of trains,
other than the foot boards of
carriages, which may have been
adopted in the South Indian Ry.

N^o 629. R. dated 9.9.97

2

No. 854

South Indian Railway Co., Ltd.

AGENT'S OFFICE,

Trichinopoly, 21st August 1897.

From

THE AGENT,
SOUTH INDIAN RAILWAY,

To

THE CONSULTING ENGINEER

FOR RAILWAYS,

MADRAS.



Sir,

In reply to your endorsement N^o 2372 dated 19th July 1897 I have the honor to inform you that vide Government Order N^o 763 R. of 9th September 1896, sanction has been accorded to the fitting of all our bogie passenger stock which are run on the main line mail trains, with Winter's system of Electric-inter-communication which has been in use on the Madras Railway for some years past.

The system will for the present be confined to main line mail trains only.

The work of fitting the system has not yet been completed so no particulars can be given of its results on this line but doubtless the Madras Railway will be able to give full particulars as regards the use of the system on that line.

Vide
GO 575 R
19/8/97
J. De Laet
to the Sd/s
recd 1/9/97

I have the honor to be
Sir

Yours most obedient servant

A. D. G. Shelley
Capt R.R.

Agent

N^o 77

hnt

C. No. 3654
 Recd. 23/8/97

No. 629. Recd. 9.9.97
 PUBLIC WORKS DEPARTMENT,
 RAILWAYS
 IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following

Letter from the } No. 548 R.T. of 9 July 1897
 Govt. of India P.W.D.

Reminds from do. --- 548 R.T. of 20 Aug 97
 Letter from Agent S. & R. --- 534 of 21 do

The Government
 of India will be addressed,

7/10
 R
 4/9/97

To The Consulting Engineer
 - Agent S. & R.

From
 The Agent,
 South Indian Railway,
 Trichinopoly.
 To
 The Consulting Engineer for
 Railways,
 Madras.
 Dated
 Received
 No.
 189
 ENCLOSURE.

Government of Madras.

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

To

THE SECY. TO THE GOVT. OF INDIA,

P. W. DEPARTMENT.

Simla

Coty. the 9th September 1897

SIR,

With reference
to your letter No. 548 R.T. of
9th July 1897, I am directed
to inform you that this
Government has sanctioned
the fitting of Winters System
of electric intercommunication
to all the bogie passenger
vehicles which are run
on the main line mail train
of the S. & D. Railway; but as
the work has not yet been
completed the Dept is not
yet in a position to ^{report} ~~submit~~
~~report~~ ^{upon} the results gained
thereby. The system will, it

is reported, be for the
present confined to the
main line mail trains
only of that Railway.

2. I am however to
invite attention to the
report furnished in my
letter No. 836 R of 2nd Oct
1896 regarding the system
referred to above & to forward
herewith two pamphlets
giving further information
on the subject.

JMS
R
7/7/97

Documents accompanying:-

Two pamphlets
referred to above

Dispatched on 10/8/97

RAILWAY.

Government {1897} of Madras.
PUBLIC WORKS.

Recd.

Regd.

1897.

Enclosures

Spare copies

G.O., No. 575 R., 19th August 1897.

AUGUST.

Winter's System of Electrical Inter-communication

Ordered that the Secretary of State be furnished with the correspondence on the
subject of — in trains.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following papers:—

Despatch from the Right Honourable the Secretary of State for India, to His Excellency the Governor in Council, Fort St. George, dated India Office, London, 27th May 1897, Railway No. 1.

I forward, herewith, a * copy of a letter from the Board of Trade on the subject of the means of communication between passengers and railway servants in charge of trains, and I request that Your Excellency will cause me to be furnished with the information desired by the Board in regard to railways in the Madras Presidency.

* Dated 17th May 1897.

ENCLOSURE.

From F. P. HOPWOOD, Esq., Board of Trade, Railway Department, 7, Whitehall Gardens, London, S.W., to the Under Secretary of State, India Office, dated 17th May 1897, No. 4996 R.

I am directed by the Board of Trade to state, for the information of Lord George Hamilton, that they have recently appointed a Departmental Committee to enquire whether the means of communication between the passengers in railway trains and the servants of the company in charge of the train at present adopted are efficient and whether any particular system of communication in use or available is so efficient as to make its general adoption by the Railway Companies desirable.

The committee have informed the Board of Trade that they have decided to request the leading Railway Companies in this country to furnish them with a description of the system or systems of communication in use on their lines, and to state whether the system is applied to all trains or only to those running a specified distance without stopping, and especially what has been their experience of its working, and the committee consider it highly desirable that information on these points should, if possible, be obtained as to the principal railways in India.

The Board of Trade concur in the opinion of the committee that reports as to the practice in that country would be useful, and I am therefore to suggest, for the consideration of the Secretary of State, that steps should be taken to obtain such information as may be available on the subject.

ORDER—No. 575 R., dated 19th August 1897.

Ordered that the Secretary of State be addressed.

[Here enter No. ²¹/_{575 R.}, dated 19th August 1897.]

(True Extract.)

(Signed) F. J. E. SPRING,
Offg. Joint Secy. to Govt.,
Railway Branch.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

(Copy.)

LETTER to the Right Honourable the Secretary of State
for India.

No. ²¹/_{575 R.}, dated 19th August 1897.

FORWARDING copies of certain correspondence giving information regarding
Winter's system of electrical inter-communication in trains.

From the Acting Agent and Manager, Madras Railway Company, to the Consulting Engineer for Railways, dated Madras, 25th September 1896, No. 9509/841.

With reference to your endorsement on letter, No. 353 R.S., dated Simla, 12th August 1896, from the Government of India, I have the honour to state that Mr. Winter's system of electric inter-communication in trains has been in use on the Madras Railway on all trains, except ballast trains, since the year 1880, and all departments have had every reason to be satisfied with the system. It is tested on every train at every station after starting, or when running through, and thus forms a ready and certain means of assuring the train staff that all is right. Failures are few, and any that occur are necessarily brought to light at once. For the last two years they have averaged 1 in 7,655 train miles.

2. The inter-communication forms a ready and certain means of protection for passengers, and during the two years ending 30th June 1896, it was used on twelve occasions to stop trains for purposes connected with the safety of passengers and public property; on four occasions on the discovery of fire in trains; and on three occasions on the discovery of derangement in the rolling-stock. During the same period only three instances have been recorded of trains being stopped owing to the unintentional ringing of the bell, and no cases have been recorded for several years past of improper use of the plungers in the carriages by the public.

3. In addition to giving an all-right signal when running, and thus assuring the driver that his train has not parted, the communication is frequently used between the guard and driver for the purpose of signalling to pull up the rear vehicles of a long train to the platform, or to give the starting signal to the driver, when the view from end to end of the train is interrupted, and is a means of saving considerable loss of time.

4. From the experience derived from Mr. Winter's system on the Madras Railway I unhesitatingly recommend its adoption on all lines throughout India.

From the Officiating Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, to the Secretary to the Government of India, Public Works Department, Simla, dated Ootacamund, 2nd October 1896, No. 836 R.

With reference to your letter, No. 353 R.S., dated 12th August 1896, I am directed to forward, herewith, a copy of letter, No. 9509/841, dated 25th September 1896, from the Agent and Manager, Madras Railway, reporting on Mr. Winter's system of electric inter-communication in trains, on the line under his control. From the experience gained on the Madras Railway and in the opinion of this Government the perfect working of Mr. Winter's system since 1880 would appear to justify its adoption on all lines of railway throughout India.

From the Acting Agent and Manager, Madras Railway, to the Consulting Engineer for Railways, dated Madras, 4th August 1897, No. 10070/A. 737.

In compliance with the request contained in your letter, No. 2088, dated 24th June 1897, I have the honour to forward herewith two pamphlets giving information regarding Winter's electrical inter-communication in trains.

RAILWAY.

Government { 1896 } of Madras.
PUBLIC WORKS.

Recd.

Enclosures

1896.

Regd.

Spare copies

G.O., No. 763 R., 9th September 1896.

SEPTEMBER.

Electric Inter-communication

Sanction accorded to the estimate of Rs. 8,274 for fitting Winter's system of —
to certain carriages and locomotive engines on the South Indian Railway.

No. 763 R., 9TH SEPTEMBER 1896.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper:—

From the Agent, South Indian Railway, to the Consulting Engineer for Railways, dated Trichinopoly, 29th August 1896, No. 782.

Referring to your letter No. 3863 of the 3rd December 1895, and to my letter No. 113 of the 6th of February last, I have the honour to forward, for sanction, an estimate No. 1845, amounting to Rs. 8,274, chargeable to Capital, for fitting Winter's system of electric inter-communication to—

- 20 "O" class locomotive engines.
- 20 Bogie composite carriages.
- 70 " third-class "
- 10 " " " for women.
- 16 " composite mail vans.
- 1 " Consulting Engineer's carriage.
- 20 " composite brake vans.

From the accompanying extract from the Managing Director's letter, No. 163, dated the 17th of January 1896, it will be seen that the Board of Directors approve of the adoption of the installation of the above-mentioned system of communication on passenger trains.

ENCLOSURE.

EXTRACT from the Managing Director's letter, dated London, 17th January 1896, No. 163.

Communication in Trains.

Your report, letter 458, 4th December 1895, upon this subject has been considered by the Board. They approve of your recommendation to adopt the Winter electrical system with such modifications as you may think desirable. Details and estimates are awaited.

ORDER—No. 763 R., dated 9th September 1896.

Sanction is accorded to the estimate amounting to Rs. 8,274, chargeable to Capital, for fitting Winter's system of electric inter-communication to—

- 20 "O" class locomotive engines.
- 20 Bogie composite carriages.
- 70 " third-class "
- 10 " " " for women.
- 16 " composite mail vans.
- 1 " Consulting Engineer's carriage.
- 20 " composite brake vans.

2. This sanction has been registered as No. 13 R. of 1896-97.

(True Extract.)

(Signed) F. D. FOWLER,
Offg. Joint Secy. to Govt.,
Railway Branch.

To the Agent, South Indian Railway.
" Examiner, Railway Accounts, Madras.

Exd. T. K. Narayana Aiyangar.