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(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. / B.P. No.	Press / Mis.
1347-50 / 340-341342	
Dated 19-7-	1873

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 19th July 1873.

No. 340. Read the following endorsement of the Consulting Engineer for Railways, dated Madras, 27th June 1873, No. 347 :—

Note on the Great Southern of India Railway (Open Line) between Erode and Negapatam and a portion of the Southern Extension near Trichinopoly.

1. I HAVE the honour to report having lately inspected the open line of the Great Southern of India Railway between Erode and Negapatam.

2. The roadway throughout appears to be in excellent order. Working parties were employed here and there on the usual repairs, lifting, packing, etc., and the 31st mile is being renewed with iron pot instead of wooden sleepers.

3. The fencing appears to be everywhere efficient, and the telegraph posts free from climbing plants or other vegetable growth. I observed, however, that in several places white-ants had built their nests round the bases of the posts; such parts require attention as they may not be perfectly protected by the tar with which they are coated, and if eaten away they are liable to be blown down by the strong winds which prevail between Trichinopoly and Erode during the south-west monsoon.

4. I remained for a day at Trichinopoly and took advantage of the halt to see a few miles of the Southern Extension next the Cantonment. The earthwork has been pushed on rather farther towards the north since my last inspection, so that as little time as possible will be lost in connecting the Southern Extension with the open line, when final orders regarding the junction have been received from Government.

5. With the exception of the north abutment which is now in progress, the masonry of the Coryaur River bridge (5· 30 feet girder spans) may be said to be completed.

6. Another bridge of 4· 20 feet girder spans at the 4th mile, 3rd chain, is also completed with the exception of one pier, the foundation of which was being laid at the date of my visit, viz., the 12th instant.

7. The first three ship-loads of permanent-way material for the Southern Extension are expected to arrive at Negapatam in July (next month.) It will be forwarded at once to Trichinopoly and platelaying commenced.

8. When inspecting the Southern Extension to Palamcottah and Tuticorin in March last, I could not help thinking that the temporary telegraph which had just been erected along the line would be found costly and troublesome to maintain, although put up as substantially and well as was compatible with its being purely a temporary line. My inspection of short portion of the extension near Trichinopoly a few days ago has fully confirmed me in this opinion, and I find I am supported in it by Mr. Logan, the Chief Engineer of the line. It is an immense convenience, saving much time and money, having a telegraph along a railway under construction, but it seems to me that when a line has been definitely located, it would be a decidedly more economical and convenient arrangement to at once lay down the permanent telegraph. Nearly the whole of the cost of the temporary might be expended upon the permanent telegraph. Its maintenance would cost less, and, if it were at once thrown open to the public for the transmission of messages, a still further economy would be effected.

(Signed) R. THOMPSON, Captain, R.E.,
Officiating Deputy Consulting Engineer for Railways.

MADRAS,
26th June 1873.

Proceedings of the Madras Government, Public Works Department,
19th July 1873.

SUBMITTED for the information of Government.

2. Paragraph 3 has been communicated to the Agent, with a request that the attention of the Resident Engineer may be drawn to Captain Thompson's suggestions.

3. The remarks contained in paragraph 8, as to the superior economy of constructing a "permanent," instead of a "temporary," line of telegraph along a railway under construction, have my entire approval. The arrangement which has been carried out upon the Southern Extension of the Great Southern of India Railway was recommended to the Government of India* by the Director-General of Telegraphs upon the ground that "the construction of a permanent line of telegraph along an unfinished line of railway can only be effected at a cost greatly in excess of the amount for which the same work could be carried out on the railway being so far advanced as to admit of the material being distributed by its lorries." The wire has, however, to be carried and distributed by carts whether the telegraph line is constructed in the first instance "permanently," or "temporarily." The slight saving which may possibly be effected in the carriage of the permanent posts is, in my opinion, far more than counterbalanced by the unnecessary outlay involved in erecting the wire on temporary posts, to be afterwards replaced. I beg that the attention of the Government of India may be drawn to the subject, inasmuch as the views held by the Director-General, endorsed as they have been by the Government of India, will be considered to be binding upon the Great Southern of India and Carnatic Companies during the construction of the line of railway from Madras southwards to Cuddalore and Tanjore. I am satisfied that a considerable outlay may be saved by permitting the Companies to erect their telegraphs "permanently" in the first instance. The Railway authorities hold the same opinion.

(Signed) J. H. M. SHAW-STEWART, Lieut.-Colonel, R.E.,
Consulting Engineer for Railways.

* *Vide* Proceedings of Government, dated 20th July 1872, No. 1,729.

No. 341.

ORDER THEREON, 19th July 1873, No. 1,849.

RAILWAY, No. 38.

ORDERED that paragraph 8 of the Deputy Consulting Engineer's Report with the remarks thereon by the Consulting Engineer be extracted for the consideration of the Government of India.

(Here enter No. 1,850, dated 19th July 1873.)

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Consulting Engr. for Railways

Exd. W. H. French.

Spare Copies.

PUBLIC WORKS DEPARTMENT,
OOTACAMUND, 19*th July* 1873.

No. 342.

No. 1,850.

FROM

COLONEL G. W. WALKER, R.E.,
Secretary to the Government of Madras,
Public Works Department.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department.

RAILWAY, No. 39.

SIR,—I am directed to forward the accompanying extract from a report by the Deputy Consulting Engineer for Railways, together with the observations of the Consulting Engineer thereon; and, as in the opinion of His Excellency the Governor in Council, the decision whether a temporary or permanent line of telegraph shall in the first instance be erected along the Carnatic Extensions southwards will have an appreciable effect on the cost of those works, I am to recommend that the subject may receive the consideration of the Government of India.

I have the honour to be,
Sir,
Your most obedient servant,

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

Exd. W. H. French

Spare Copies.

No 347.

Submitted for the information of Government.

2. Paragraph 3 has been communicated to the Agent, with a request that the attention of the Resident Engineer may be drawn to Captain Thompson's suggestions.

3. The remarks contained in paragraph 8, as to the superior economy of constructing a "permanent" instead of a "temporary" line of telegraph along a railway under construction, have my entire approval. The

arrangement which has been carried
out upon the Southern extension
of the Great Southern of India Railway
was recommended to the Government
of India by the Director General
of Telegraphs upon the ground
that "the construction of a permanent
"line of telegraph along an unfinished
"line of railway can only be effected
"at a work greatly in excess of
"that required for which the same
"work could be carried out, when
"the railway being so far advanced,
"as to admit of the materials
"being distributed by its carts."

The

V. p.c.
I.o: 27 Sept
20. July 1871
No 27/29.

6

the wire has however to be carried
and distributed by carts whether
the "telegraph line" is constructed
in the first instance "permanently"
or "temporarily". The slight
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permanent posts is, in my opinion,
far more than counterbalanced
by the increased outlay involved
in erecting the wire on temporary
posts, to be afterwards replaced.
I beg that the attention of the
Government of India may be
drawn to the subject; inasmuch
as the views held by the Director

General, endorsed as they have been
by the Government of India, will
be considered to be binding upon
the Great Southern of India and
Carnatic Companies during the
construction of the line of railway
from Madras Southwards to
Caddalore and Tanjore. I am
satisfied that a considerable
outlay may be saved by permitting
the Companies to erect their
telegraphs "permanently" on the
first instance. The Railway
Authorities hold the same opinion.

Lieut. COLRE.

Madras
27 June
1853

Cons: Engr for Railways

To the Secy to Govt
of P.W.D. Fort St George

P. W. 1873 Dept
Copies forwarded No 347 of 27 June
from the Consl Engr
for Orig
to Govt of Bengal
P.W. Dept
Simla 8th Sept

Dn. Col 27 June 1873
Read 28 "
No 347.

Encl.

Letter from Engr
for the information
of Govt the report
of inspection made
by Captain Thompson
on the Great Southern
of India Railways
Dt 11th 1849-1850-49 Rupees

No 348
Rec'd in Calcutta 28th June/73

No. 1849 Dn. 28 June 73

Pro. of the Madras Govt.

Read the following :-

From the Engr. Madras No. 347 of 27 June/73/

To The Cons Engineer for Railways. Dated 28/7/73

Noted that paragraphs of the Deputy Consulting Engineer's report with the remarks thereon of the Consulting Engineer be extracted for the information of the Govt of India

No. 1850

To The Secretary to the Government of India P.W.D.

Sir -

I am directed to forward the accompanying extract from a report by the Deputy Consulting Engineer for Railways together with the observations of the Consulting Engineer.

Engineer thereon; and, as
in the opinion of His
Excellency the Governor
in Council, the decision
whether a temporary
or permanent line of
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first instance be erected
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a favourable effect on the
cost of the works,
I am to recommend that
the Archbishop may receive
the consideration of the
Government of India.

I have
Duke 28/1/73

No 340-342.

No 3702 Chingleput

Govt. of [1873] Madras.

PUBLIC WORKS.

The Committing Engs for
Rt Revs and
Cant

to the Secretary to the Govt
of India

Pub. I

19th July 1849-1850

Nos 340-341 & 342

Supt Engr Madras. Forwg
Letters on Cyclone Shutters
by Capt Engrs Report of
Inspection on the Govt Bldgs
Madras.

Forwarding with
remarks Report by the
Engr. Superintendg
Govt Bldgs.