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(2) Date of repair_____

(3) Initials of the Referencer_____

4

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. / ~~B.P. No.~~ 147-148-149	1538-1539	Press / ~~Mis.~~
Dated	11-6-	1873.

Not to be folded or roughly handled

No. 147. Read the following letter from Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to Colonel G. W. WALKER, R. E., Secretary to Government, Public Works Department, dated Madras, 23rd May 1873, No. 283 :—

I HAVE the honour to submit, herewith, for transmission to the Government of India, the quarterly report on progress made in the construction of the Great Southern of India Railway for the period ended 31st March 1873, as directed in the Order of Government, No. 1,360 of 17th May 1871.

2. A brief descriptive report by the Agent on the progress and state of the more important works is submitted.

From W. S. BETTS, Esq., Agent of the Great Southern of India Railway, to Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, dated Negapatam, 19th May 1873, No. 5,039.

YOUR No. 211. The out-turn of work done on the Southern Extension during the quarter ending 31st March 1873 was not so satisfactory as could have been desired, owing to very unfavourable weather. Heavy falls of rain retarded the progress of earthwork to a great extent, and labour was dispersed owing to the coolies being unable to work, while the side ditches from which the banks are formed were under water. In masonry also from the same cause progress was confined to a few culverts and small bridges on high ground; no attempt to take out deep foundations in river beds was made, as the beds of streams and nullahs were under water and a liability to floods continued.

2. About 450,000 cubic yards of earthwork was done in the quarter, so that up to the end of the period under review, nearly one-half of the entire estimated quantity has been completed. About 400,000 square yards of slopes have been turfed and trimmed, and in masonry 8,200 cubic yards have been executed against 4,900 in the previous quarter. The masonry will be vigorously pushed on during the current quarter.

3. Telegraphic communication is complete throughout the whole length and the line has been maintained without interruption.

GREAT SOUTHERN OF INDIA RAILWAY.

SOUTHERN EXTENSION.

A.—*General Progress Report for the Quarter ending 31st March 1873.*

Reference to Heads of Estimate.		Total of sanctioned Estimate.		Actual Indian Expenditure.		Numbers.			Quantities.			Probable date.		Remarks.
		Indian Expenditure.	English Expenditure.	During Quarter.	Total up to end of Quarter.	Total.	Finished	In hand.	Total as per Estimate.	Executed during Quarter.	Executed to end of Quarter.	Of completion.	By which the Permanent-way could be laid if urgently required.	
		Rs.	Rs.	Rs.	Rs.									
I	Preliminary Expenses	2,46,500		...	2,22,564	...	...	...	...	...	...	...	.....	
II.	Land	...	...	...	...	...	...	...	...	...	...	...	.....	
III.	Construction of Line	22,50,000		1,07,711	2,74,046	...	...	...	...	...	...	...	.....	
	Earthwork ... { Cuttings and Embankments ...	...	...	69,377	2,02,377	Miles. 215·775	Miles. 105	Miles. 110,775	Cubic feet. 100,145,565	Cubic feet. 12,318,923	Cubic feet. 58,156,040	Dec. 1873.	.....	
	{ Rock Cuttings ...	...	...	...	...	...	...	...	...	...	...	...	.....	
	Small Bridges and Culverts ...	...	...	30,031	58,135	No. 503	No. 81	No. 372	...	215,444	390,967	Mar. 1874.	.....	
	Large Bridges (as per Statement B).	...	...	6,662	11,858	30	...	30	...	7,155	14,553	June ,,	.....	
						Miles.	Ms. chs.	Ms. chs.	L. yards.	L. yds.	L. yds.		.....	
	Fencing	...	...	1,553	1,585	110	5 21	104 56	193 600	8 448	9 222	Dec. ,,	.....	
	Other items...	...	...	88	91	...	...	...	...	...	...	...	.....	
IV.	Ballast and Permanent-way ...	33,25,000		...	...	...	...	...	...	...	...	...	.....	
	Ballast ... { Collected ...													
	{ Spread ...													
	Rails ... { Lifted ...													
	{ Linked in ...													
	{ In Depôt ...													
	Sleepers ... { Lifted ... { Iron ...													
	{ Wood ...													
	{ Laid ... { Iron ...													
	{ Wood ...													
	{ In Depôt ... { Iron ...													
	{ Wood ...													
V.	Stations and Buildings (Statement C)	8,63,000		2 899	31,252	...	...	...	...	...	...	...	.....	
	a. Platform	...	...											
	b. Passengers' Buildings ...	...	...	...	5,613	...	...	...	...	...	...	...	.....	
	c. Goods-shed	...	...											
	d. Watering arrangement ...	...	...											
	e. Staff Quarters	...	...	2,756	21,777	75	per cent.	complete	d. ...	...	...	...	.....	
	f. Engine-shed, etc. ...	...	...	143	3,862	75	do.	do.	...	...	...	...	.....	
	g. Small Items	...	...	...	...	...	...	...	...	...	...	...	.....	
VI.	Telegraph	12,000		...	4,479	Miles. 215·775	Miles. 215·775	...	215·775	91 535	215·775	...	.....	
VII.	Plant	3,56,500		217	1,017	...	...	...	...	...	...	...	.....	
VIII.	Rolling Stock (Statement D) ...	10,82,600		...	...	...	...	...	...	...	...	...	.....	
IX.	Maintenance	3,88,400		...	...	...	...	...	...	...	...	...	.....	
X.	Establishment	9,57,900		65,968	2,11,508	...	...	...	...	...	...	...	.....	
XI.	Contingencies	1,00,800		811	2,493	...	...	...	...	...	...	...	.....	

NEGAPATAM,
10th March 1873.

(Signed) J. SMITH,
Chief Auditor.

(Signed) S. M. JOHNSON,
Asst. Examiner of Railway Accounts.

(Signed) W. S. BETTS,
Agent and Traffic Manager.

Proceedings of the Madras Government, Public Works Department,
11th June 1873.

ENGINEERING DEPARTMENT.

B.—*Progress Report of large Bridges in Southern Extension from Trichinopoly to Tuticorin, 215 Miles 62 Chains, for Quarter ending 31st March* 1873.

Names of Bridges.	Foundations.	Abutments and Piers up to Springing or Girder Level.	Arching or erection of Girders.
District 1.			
Corayaur at 3 miles 43 chains			
Percentage done	.....	.....	.....
Date of completion	50	48	0
	.....	31st March 1873.	30th Oct. 1873.
District 1.			
Bridge at 4 miles 3 chains			
Percentage done	.....	.....	.....
Date of completion	5	0	0
	.....	.....	.....
District 12.			
Bridge at 2 miles 3 chains			
Percentage done	.....	.....	.....
Date of completion	100	90	0
	.....	.....	.....
District 12.			
Bridge at 3 miles 27 chains			
Percentage done	.....	.....	.....
Date of completion	100	90	0
	.....	.....	.....
District 14.			
Bridge at 2 miles 45 chains			
Percentage done	.....	.....	.....
Date of completion	100	33	0
	.....	.....	.....

C.—*Progress Report on Stations on the Southern Extension from Trichinopoly to Tuticorin, 215 Miles 62 Chains, for Quarter ending 31st March* 1873.

Nil.

TRICHINOPOLY,
6th May 1873.

(Signed) F. SMITH,
for *Chief Engineer.*
(„) W. S. BETTS,
Agent.

General Progress Report of Work in Erecting and Building Locomotive and Rolling Stock for Quarter ending 31st March 1873.

Nil.

NEGAPATAM,
13th May 1873.

(Signed) E. G. SHEWARD,
Locomotive and Carriage Superintendent.
(Signed) W. S. BETTS,
Agent.

Proceedings of the Madras Government, Public Works Department,
11th June 1873.

No 148. ORDER THEREON, 11th June 1873, No. 1,538.

RAILWAY, No. 20.

ORDERED that these papers be forwarded to the Government of India.

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

No. 149. DOCKET, No. 1,539, dated 11th June 1873.
COPY of the above forwarded to the Government of India.
(True Extract.)

Colonel, R.E.,
Secretary to Government.

Exd. E. C. Shunker.
Spare Copies

No. 5039

GREAT SOUTHERN OF INDIA RAILWAY.

AGENT'S OFFICE,

NEGAPATAM, 19th May 1873

From

THE AGENT,

Great Southern of India Railway,

To The Consulting Engineer
for Railways
Madras.

SIR,

Your No 211.— The out turn of work done on the Southern extension during the quarter ending 31st March 1873 was not so satisfactory as could have been desired, owing to very unfavorable weather.— Heavy falls of rain retarded the progress of earthwork to a great extent; and labor was dispersed owing to the coolies being unable to work, while the side ditches from which the banks are formed were under water. In masonry also from the same cause, progress was confined to a few culverts and small bridges on high ground.

no attempt to take out deep foundations.
in rever beds was made as the beds of
streams and nullahs were under water
and a liability to floods condemned.-

About 450,000 Cubic yards of
Earthwork was done in the quarter, so
that up to the end of the period under
review, nearly one half of the entire esti-
-mated quantity has been completed:-
about 400,000 square yards of slopes have
been turfed and trimmed, and in
masonry 8200 Cubic yards have been exe-
-cuted against 4900 in the previous quarter.
The masonry will be vigorously pushed
on during the current quarter.

Telegraphic communication
is complete throughout the whole length
and the line has been maintained
without interruption

I have the honor to be
Sir
Your most obedient Servant
Alexander Rendel
Agent

Conv: Engineer offices.
Railways Department.
No: 283.

From Lieut Col J. H. M. Shaw Stewart R.E.
Consulting Engineer for Railways
To Colonel G.A. Walker R.E.
Secretary to Government
Public Works Department.

Sir,

I have the honour
to submit herewith, for transmission
to the Government of India, the
quarterly report on progress made in
the construction of the Great
Southern of India Railway for
the

No. 5039

From
The Agent
Gt. S. R.
To The Consulting Engr.
for Railways

Madras 19th May 1853
Recd 21st } May 1853

Pay Dept.
Requesting
Payment of monthly
account Establishment
Contingencies

GREAT SOUTHERN OF INDIA RAILWAY.

No.

AGENT'S OFFICE,
NEGAPATAM,
18

From
THE AGENT,
Great Southern of India Railway,
To

SIR,

the period ended 31st March 1873
as directed in the order of Government
No. 1360 of 17th May 1871.

A brief descriptive
Report — by the Agent on the
progress and state of the more important
works, is submitted. — —

I have the honour to be
Sir,
Your most obedient Servant
Lieutenant Lieut Col RE.
Consulting Engineer for Rys

Madras
23rd May
1873

Rec'd 1893 Oct 1st

Answ

No 3093

The Court Copy

for Opp

L. The Secy to Govt

Ordd.

Port St George

Dated 28th July 1893

Rec'd 24th Aug 1893

No 283

65

Forwarded

the quarterly report

on progress made

in the construction

of the P. & O. Rly

for the period ended

31st July 1893 with Plans

Rec'd 16 Encl 3 Nos 213-215
17 Augt

Ordered that Nos 1638
forwarded to the Govt of India
for Opn.
Bated 15/9/93

H.E. No 1538/C

Copy of the above forwarded to
the Govt of India
Bated 15/9/93

Encls

97-147-149.

Contd Mar/93

C/12 3073

Govt of India 1871 Madras.

PUBLIC WORKS.

To Consulting Engr for Railways
& Secretary to the Govt of India

Encl. 5

G. O. 11th June 1871. No 1538
1539

Nos 147-148 & 149

Spanners Report of
the G S I Railway
for the Quarter ended
31st March 73 ordered
to be forwarded to the
Govt of India.

Forwarded by agreement to
Govt of the G.S.I. Railway
for Quarter ended 31st March 73.