M.R.O. 1—10,006—28-2-50.

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. 3110-11 Press
~~B.P. No.~~ Mis.—

Dated 2 - 11 - 1974 —195—.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
2nd November 1874.

No. 13. Read the following letter from Lieutenant W. H. COAKER, R.E., Deputy Consulting Engineer for Railways in charge, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 12th October 1874, No. 618:—

I HAVE the honor to enclose herewith, for transmission to the Government of India, Statements A, B, C, and D, showing the progress of works during the second quarter of the current year on the Madras-Cuddalore Extension of the Carnatic Railway, together with a brief descriptive Report on the same by the Chief Engineer.

2. The delay in the submission of this Report is due to the non-receipt of Statement D. till to-day.

CARNATIC RAILWAY.

Letter from the Chief Engineer, to the Agent, dated Trichinopoly, 21st July 1874, *No.* 2,501.

HEREWITH I have the pleasure to send you my Report for the quarter ending 30th June last.

2. In earthwork fair progress has been made, and I think we may estimate that the whole will be very nearly, if not altogether, finished by the end of the present year.

3. In the collection and preparation of materials generally, I regret to say that the progress has not come up to my expectations, but this has been chiefly due to the very unusual wet weather which has interfered seriously with brick-making operations. Although we did our best to avoid heaping up any large stock of unburnt bricks, the great difficulty in getting firewood, coupled with the dampness of the bricks, which would not dry during rainy weather, neutralized to a great extent our efforts, and the cyclone of May last made great havoc in our own brick-field, and more in those of contractors who were moulding for us. The direct money value of these losses has not been heavy, but the loss in time has been serious. We are however doing the best we can to make up for lost time, and I hope soon to have a good stock of material ready for an energetic push into the largest bridges.

4. On the other hand, the floods during the cyclone referred to have proved useful in enabling us to get reliable flood marks by which to judge of the sufficiency of our waterways, and I am now in a position of greater certainty in revising the *allowances* under this head.

5. At the Madras Goods Station the goods shed has been started, and the compound wall is well in hand. The works of the line generally in Madras have, as you are aware, been held in abeyance pending a settlement of certain questions by Government regarding the exact location of the line; these questions are now settled, and no time will be lost in getting a start into the work. The Adyar and Cooum Bridges are now under weigh, and I hope you will be able to run passengers to Guindy during the next Madras races.

6. Permanent-way is being landed both at Madras and Cuddalore, and platelaying operations will be begun as soon as possible.

Coleroon Extension.

Pending the arrival of Assistant Engineers from England, Mr. Baggalay, who is in charge of District IX, has given an eye generally to the staking out of this extension.

2. Fifteen miles of staking out have been completed, for ten of which you have received the working survey and section, together with the necessary land schedules, and the other five will be sent to you as soon as I can get the requisite calculations, tracings, and land schedules ready.

CARNATIC RAILWAY.

A.

General Progress Report from Madras to Cuddalore, 128 Miles, for quarter ending 30th June 1874.

		Total Estimate.		Actual Indian Expenditure.		Numbers.			Quantities.			Probable date	
		Indian Expenditure.	Value of English Stores.	During quarter.	Total from commencement to end of quarter.	Total.	Finished	In hand.	Total as per Estimate.	Executed during quarter.	Executed end of quarter.	Of completion.	By which the Permanent-way could be laid if urgently required.
		Rs	Rs.	Rs.									
I.	Preliminary Expenses ...	3,61,000	...	...	3,09,487	...	...	...	...	...	...	...	...
II.	Land ...	...	...	...	...	...	...	...	...	...	...	...	...
III.	Construction of Line ...	10,69,882	...	...	...	...	...	...	...	...	...	...	...
						Miles.	Miles.	Miles.	Cubic feet.	Cubic feet.	Cubic feet.		
	Earthwork. Cuttings and Embankments.	...	...	43,305	80,201	128	97	31	42,152,130	15,661,789	31,953,926	Dec. 1874 ...	...
	Earthwork. Rock Cuttings ...	...	...	...	...	...	...	...	336,690	54,919	85,847	30th June 1875	...
						No.	No.	No.					
	Small Bridges and Culverts ...	...	...	9,866	13,897	433	16	63	76,720	3,593	3,595	June 1875 ...	...
	Large Bridges (as per Statement B)	...	...	3,189	3,343	13	...	4	...	...	...	June 1876 ...	...
						M. chs	M. chs.						
	Fencing	...	...	13	594	64 19	4 80	...	...	...	...		...
	Other items ...	...	...	...	64	...	...	...	...	...	...		...
IV.	Ballast and Permanent-way ...	4,15,270	...	...	...	...	...	...	...	...	...		...
	Ballast Collected ...	...	...	298	298	...	...	...	...	...	...		...
	Ballast Spread ...	...	...	...	...	...	...	...	...	...	...		...
	Rails Lifted ...	...	...	70	70	...	...	...	...	...	...		...
	Rails Linked in ...	...	...	...	...	...	...	...	...	...	...		...
	Rails In Depôt ...	...	...	...	...	...	...	...	...	...	...		...
	Sleepers Lifted Iron ...	...	...	...	...	...	...	...	...	...	...		...
	Sleepers Lifted Wood ...	...	...	...	...	...	...	...	...	...	...		...
	Sleepers Laid Iron ...	...	...	...	...	...	...	...	...	...	...		...
	Sleepers Laid Wood ...	...	...	...	...	...	...	...	...	...	...		...
	Sleepers In Depôt Iron ...	...	...	...	...	...	...	...	...	...	...		...
	Sleepers In Depôt Wood ...	...	...	...	...	...	...	...	...	...	...		...
V.	Stations and Buildings (as per Statement C.)	6,63,675	...	7,826	11,322	...	...	...	...	...	...		
	a. Platforms	...	...	...	...	...	...	...	...	...	...		
	b Passengers' Buildings ...	...	...	...	...	...	...	...	...	...	...		
	c. Goods shed	...	...	...	...	...	...	1	...	...	...	Dec. 1875.	...
	d. Watering arrangement ...	...	...	...	...	...	...	...	...	...	...		
	e. Staff Quarters, by rooms ...	...	...	...	...	...	...	...	...	...	...		
	f. Engine-shed	...	...	...	...	...	...	...	...	...	...		
	g. Small Items	...	...	...	...	...	...	...	...	...	...		
VI.	Telegraph	...	...	...	...	...	...	...	...	...	...	...	...
VII.	Plant	54,500	...	485	8,000	...	...	...	...	...	...	...	...
VIII.	Rolling Stock	2,70,510	...	...	...	...	...	...	...	...	...	...	...
IX.	Maintenance	55,080	...	...	...	...	...	...	...	...	...	...	...
X.	Establishment	6,40,132	...	36,712	1,55,695	...	...	...	...	...	...	...	...
XI.	Contingencies	2,95,000	...	1,092	6,756	...	...	...	...	...	...	...	...

NEGAPATAM,
19th *August* 1874.

(Signed) JAMES SMITH,
Chief Auditor.

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

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

Proceedings of the Madras Government, Public Works Department, 2nd November 1874.

B.

ENGINEERING DEPARTMENT.

Progress Report of large Bridges of the Carnatic Railway from Madras to Cuddalore, 128 miles, for the quarter ending 30th June 1874.

Names of Bridges.	Foundations (excavation).	Abutments and piers up to springing or girder level.	Arching or erection of Girders.	Other items.	Remarks.
Coosam Bridge at 2 miles 76 chains—					
Percentage done ...	15	...	...	...	Well sinking in progress.
Date of completion ...	...	...	...	...	
Adyar Bridge at 6 miles 50 chains—					
Percentage done ...	60	13	...	...	Brickwork in north abutment and Pier No. 1 in progress.
Date of completion ...	...	...	...	...	
Guduvancharry Bridge at 23 miles 61 chains—					
Percentage done ...	75	...	...	...	Great damage and delay has been caused by the cyclone of May last, when many lacs of bricks ready for burning were destroyed and brick-sheds flooded and work generally brought to a stand all over the line.
Date of completion ...	...	...	...	...	
Chingleput Bridge at 33 miles 75 chains—					
Percentage done ...	5	...	...	...	
Date of completion ...	...	...	...	...	

TRICHINOPOLY,
21st July 1874.

(Signed) W. S. BETTS,
Agent.

(Signed) DAVID LOGAN,
Chief Engineer.

C.

ENGINEERING DEPARTMENT.

Progress Report of Stations of the Carnatic Railway from Madras to Cuddalore, 128 *miles, for quarter ending 30th June* 1874.

Names of Stations.	(a) Platforms.	(b) Passengers' buildings.	(c) Goods sheds.	(d) Watering arrangements.	(e) Staff quarters by rooms.	(f) Engine sheds.	(g) Small items.	Remarks.
Madras Goods Station.								
Percentage done ...	.....	.....	8	.....	.....	.....	.....	Compound wall in progress.
Date of completion ...	.....	.....	.....	.....	.....	.....	.....	

TRICHINOPOLY,
21st July 1874.

(Signed) DAVID LOGAN,
Chief Engineer.

(Signed) W. S. BETTS,
Agent.

D.

General Progress Report of work in erecting and building Locomotive and Rolling Stock for quarter ending 30th June 1874.

	Number sanctioned.	Number erected up to	Number erected during current year. During quarter.	Number erected during current year. To end of quarter.	Building or under erection at end of quarter.	Arrived at Shops during quarter.	Arrived at Port during quarter.	Balance to arrive in Port.	Remarks.
Locomotive Engines and Tenders	18	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	
First Class carriages	1								
Second do.	2								
Third do.	30								
First and second class composites.	8								
Passengers' brake-vans ...	8								
Post-office vans	3								
Horse boxes	4								
Carriage trucks	2								
Goods brake-vans	4								
Covered goods wagons ...	100								
Flat trucks without sides ...	10								
Low-sided trucks	30								
High-sided open goods ...	24								
Gun-powder vans	2								
Cattle trucks	10								
High-sided open trucks ...	.....								
Sets of iron work (carriages) ...	.....								
Do. (wagons) ...	.....								

NEGAPATAM,
1st October 1874.

(Signed) E. G. SHEWARD,
Loco. and Carriage Supdt.

(Signed) J. SMITH,
for *Agent.*

No. 14. ORDER THEREON, 2nd November 1874, No. 3,110.

RAILWAY, No. 2.

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

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Consulting Engineer for Railways.

Exd. S. T. Austin,
Spare Copies

73

Railway Department. CONSULTING ENGINEER'S OFFICE.

No. 618.

From Lieut. W. H. Coaker, R.E.,
~~LIEUT.-COLONEL J. H. M. SHAW-STEWART, R.E.,~~
Dy. Consulting Engineer for Railways in charge.

To

COLONEL G. W. WALKER, R.E.,
Secretary to Government,
Public Works Department.
Fort Saint George.

SIR,

I have the honour to enclose herewith, for transmission to the Government of India, statements A, B, C and D, shewing the progress of works during the second quarter of the current year on the Madras-Cuddalore extension of the Carnatic Railway together with a brief descriptive report on the same by the Chief Engineer.

2. The delay in the submission of this report is due to the non-receipt of statement D till to-day.

I have the honour to be
Sir
Your most obedient servant

Madras
the 4th October
1874

W. H. Coaker Lieut., R.E.,
Dy. Cons. Engineer for Railways in charge

422 ✓

Govt. of 1874 Madras.

PUBLIC WORKS.

To The Chief Engr. for Rys & Secy. to Govt. of India

Rec'd — Encl. 5

G. O. 2nd Dec. 1874, No. 3112 3111

Nos. 13-14 15

Carnatic Ry

Statements submitted by the Cons. Engr. for Rys showing the progress of works during the Quarter ended 30th June 74 on the Madras Cuddalore extension of the Carnatic Ry ordered to be forwarded to the Govt. of India —

Copied and the papers be forwarded to the Govt. of India —

Copied and the above forwarded to the Govt. of India

13-15.

Dept. Archt. Sept. 74

Forwarding statements showing the progress of works during the quarter ended 30th June 1874 on the Madras Cuddalore extension of the Carnatic Ry.

P. W. 1874 Despatch.

Fort St. George

RAILWAY DEPARTMENT.

From No. 6422.

The Consulting Engineer for Railways,

To

The Secretary to Government, P. W. Department, Fort Saint George.

Dated 12th October 1874.

Recd. 14th

No. 618.

Encl: 5.

Forwarding statements A, B, C and D showing the progress of works during the quarter ended 30th June 1874 on the Madras Cuddalore extension of the Carnatic Railway.