M.R.O. 1—77,006—8-6-37.

(1) Number of pages 65

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(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

PUBLIC WORKS DEPARTMENT.

G.O. No. 1424-25 Press / Mis.

420-32

Dated 25 S 1897.

Not to be folded or roughly handled

No. 430. Read the following letter from the Acting Consulting Engineer for Railways, to the Secretary to Government, Public Works Department, dated Madras, 2nd May 1871, No. 189 :—

I HAVE the honour to forward, for submission to the Government of India, the Reports of Progress made in the construction of the Madras and the Great Southern of India Railways for the quarter ended the 31st March 1871.

MADRAS

A.—*General Progress Report of Works on the South-*

References to heads of Estimate.	Details.	Total Estimate. Indian Expenditure.	Total Estimate. Value of English Stores.	Actual Indian Expenditure. During quarter.	Actual Indian Expenditure. Total from commencement to end of quarter.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
I.	Preliminary expenses	.....	.....	.....	.....
II.	Land	.....	.....	.....	.....
III.	Construction of Line	.....	.....	.....	.....
	Earth-work. Cuttings and Embankments	.....	.....	.....	.....
	Earth-work. Rock cutting ...				
	Small Bridges and Culverts ...				
	Large Bridges (as per Statement B.) ...				
	Fencing				
	Other items				
IV.	Ballast and Permanent-way ...	.....	.....	.....	.....
	Ballast ... ... Collected ...				
	Ballast ... ... Spread ...				
	Rails ... ... Lifted ...				
	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.)	12,117 0 0	3,131 0 0	1,809 0 0	3,963 0 0
	(a.) Platforms ...	.....	.....	.....	.....
	(b.) Passenger buildings ...	.....	.....	.....	.....
	(c.) Goods shed	5,182 0 0	.....	212 0 0	1,552 0 0
	(d.) Watering arrangements ...	.....	.....	.....	.....
	(e.) Staff quarters by rooms ...	.....	.....	.....	.....
	(f.) Engine sheds	.....	.....	.....	.....
	(g.) Small items	6,935 0 0	3,131 0 0	1,597 0 0	2,411 0 0
VI.	Telegraph	.....	.....	.....	.....
VII.	Plant	.....	.....	.....	.....
VIII.	Rolling Stock (*vide* Statement D.) ...	86,461 0 0	1,89,586 0 0	5,535 0 0	26,279 0 0
IX.	Maintenance	.....	.....	.....	.....
X.	Establishment	3,70,000 0 0	.....	1,05,545 0 0	4,10,227 0 0
XI.	Contingencies				

CHIEF ENGINEER'S OFFICE,
21*st April* 1871.

(Signed) F. CHURCH,
Chief Auditor.

(Signed) F. G. HANKIN,
Government Examiner.

Public Works Department, 25*th May* 1871.

RAILWAY.

West Line for quarter ending 31*st March* 1871.

Number. Total.	Number. Finished	Number. In hand.	Quantities. Total as per Estimate.	Quantities. Executed during quarter.	Quantities. Executed to end of quarter.	Probable Date. Of completion.	Probable Date. By which the Permanent-way could be laid if urgently required.	Remarks.
.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
No. 6	No. 1	No. 5	.....	.....	.....	.....	.....	This expenditure has reference to certain additional works in progress at various stations along the Line.
.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
2	.....	2	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
4	1	3	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	Includes cost of all establishments except those on the Neilgherry Ghaut.

(Signed) T. H. GOING,
Acting Chief Engineer.

(Signed) B. ANDERSON,
Acting Agent and Manager.

A.—*General Progress Report of Works on the*

North-West Line for quarter ending 31st March 1871.

Refer. ences to heads of Esti. mate.	Details.	Total Estimate.		Actual Indian Expenditure.		Number.			Quantities.			Probable Date		Remarks.
		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 to end of quarter.	Of completion.	By which the Permanent-way could be laid if urgently required.	
I.	Preliminary expenses	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	.....	.....	.....	.....	.....	.....	.....	.....	
II.	Land	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
III.	Construction of Line	7,226 0 0	204 4 0	5,938 0 0	5,950 0 0	.....	.....	.....	.....	.....	.....	.....	.....	
	Earth-work. Cuttings and Embankments	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	Earth-work. Rock cutting ...	.....	.....	.....	.....	No.	No.	No.	.....	.....	.....	.....	.....	
	Small Bridges and Culverts ...	7,226 0 0	204 4 0	5,938 0 0	5,950 0 0	3	1	2	.....	.....	.....	.....	.....	
	Large Bridges (as per Statement B.)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	Fencing	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	Other items	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
IV.	Ballasting and Permanent-way ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	Ballast... ... Collected..													
	Ballast... ... Spread ...													
	Rails... ... Lifted ...													
	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.)	3,41,169 0 0	1,45,507 0 0	87,528 0 0	1,51,614 0 0	No.	No.	No.	.....	.....	.....	.....	.....	
	(*a.*) Platforms	27,204 0 0	8,600 0 0	946 0 0	2,485 0 0	2	.....	2	.....	.....	.....	.....	.....	
	(*b.*) Passenger buildings ...	36,357 0 0	2,738 0 0	23,889 0 0	27,241 0 0	4	.....	4	.....	.....	.....	.....	.....	
	(*c.*) Goods shed	38,746 0 0	12,120 0 0	7,456 0 0	17,477 0 0	3	.....	3	.....	.....	.....	.....	.....	
	(*d.*) Watering arrangements ...	11,106 0 0	4,533 0 0	5,003 0 0	7,131 0 0	1	.....	1	.....	.....	.....	.....	.....	
	(*e.*) Staff quarters	80,591 0 0	.....	17,413 0 0	33,088 0 0	15	.....	15	.....	.....	.....	.....	.....	
	(*f.*) Engine sheds	51,338 0 0	23,840 0 0	9,273 0 0	14,753 0 0	2	.....	2	.....	.....	.....	.....	.....	
	(*g.*) Small items	95,827 0 0	93,676 0 0	23,548 0 0	49,439 0 0	18	.....	18	.....	.....	.....	.....	.....	
VI.	Telegraph	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
VII.	Plant	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
VIII.	Rolling Stock (*vide* Statement D.)...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
IX.	Maintenance	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
X.	Establishment	4,58,374 0 0	.....	30,421 0 0	1,42,654 0 0	.....	.....	.....	.....	.....	.....	.....	.....	*Vide* Statement A. South-West Line.
XI.	Contingencies	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Do. do.

CHIEF ENGINEER'S OFFICE,
21*st April* 1871.

(Signed) F. CHURCH,
Chief Auditor.

(Signed) F. G. HANKIN,
Government Examiner.

(Signed) T. H. GOING,
Acting Chief Engineer.

(Signed) B. ANDERSON,
Acting Agent and Manager.

A.—*General Progress Report of Neilgherry Branch, District No. I., from* 301 *Miles* 5 *Chains, to* 313 *Miles* 38 *Chains, for quarter ending* 31*st March* 1871.

References to heads of Estimate.	Details.	Total Estimate. Indian Expenditure.	Total Estimate. Value of English Stores.	Actual Indian Expenditure. During quarter.	Actual Indian Expenditure. Total from commencement to end of quarter.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
I.	Preliminary expenses	.....	.....	30 0 0	5,473 0 0
II.	Land	.....	.....	.....	.....
III.	Construction of Line	3,61,989 0 0	69,834 0 0	4,693 0 0	35,529 0 0
	Earth-work — Cuttings and Embankments	86,716 0 0	.....	.....	.....
	Earth-work — Rock cutting	.....	.....	.....	.....
	Small Bridges and Culverts	76,664 0 0	10,517 0 0	.....	.....
	Large Bridges (as per Statement B.)	1,21,511 0 0	59,317 0 0	.....	.....
	Fencing	18,023 0 0	.....	.....	.....
	Other items	59,075 0 0	.....	4,693 0 0	35,529 0 0
IV.	Ballast and Permanent-way	1,15,257 0 0	3,23,924 0 0	2,666 0 0	2,666 0 0
	Ballast — Collected.	24,420 0 0	.....	.....	.....
	Ballast — Spread				
	Rails — Lifted				
	Rails — Linked in.				
	Rails — In Depôt.				
	Sleepers — Lifted — Iron	.....	.....	2,666 0 0	2,666 0 0
	Sleepers — Lifted — Wood	90,837 0 0	3,23,924 0 0		
	Sleepers — Linked in. — Iron				
	Sleepers — Linked in. — Wood				
	Sleepers — In Depôt. — Iron				
	Sleepers — In Depôt. — Wood				
V.	Stations and Buildings (as per Statement C.)	.....	.....	.....	.....
	(*a.*) Platforms	.....	.....	.....	.....
	(*b.*) Passenger buildings	.....	.....	.....	.....
	(*c.*) Goods shed	.....	.....	.....	.....
	(*d.*) Watering arrangements	.....	.....	.....	.....
	(*e.*) Staff quarters by rooms	.....	.....	.....	.....
	(*f.*) Engine sheds	.....	.....	.....	.....
	(*g.*) Small items	.....	.....	.....	.....
VI.	Telegraph	.....	.....	.....	.....
VII.	Plant	727 0 0	.....	.....	.....
VIII.	Rolling Stock (*vide* Statement D.)	.....	.....	.....	.....
IX.	Maintenance	40,961 0 0	.....	.....	.....
X.	Establishment	.....	.....	.....	.....
XI.	Contingencies	.....	.....	2,058 0 0	2,489 0 0
		.....	.....	.....	.....

CHIEF ENGINEER'S OFFICE,
21*st April* 1871.

(Signed) F. CHURCH,
Chief Auditor.

(Signed) F. G. HANKIN,
Government Examiner.

Miles 5 *Chains, to* 313 *Miles* 38 *Chains, for quarter ending* 31*st March* 1871.

Number. Total.	Number. Finished.	Number. In hand.	Quantities. Total as per Estimate.	Quantities. Executed during quarter.	Quantities. Executed to end of quarter.	Arrived in Port. During quarter.	Arrived in Port. Total.	Probable Date. Of completion.	Probable Date. By which the Permanent-way could be laid if urgently required.	Remarks.
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	Cubic feet.	C. feet.	C. feet.	...	...	1873. 31st Dec.	.....	
Miles.	Miles.	Miles.	...	...	...	...	...			
...	...	...								
...	...	...	85,14,018	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	Temporary Resident Engineer's Bungalow and Miscellaneous works.
...	...	...	...	...	...	...	8,157	...	.....	
...	...	...	...	...	...	...		...	.....	
...	...	...	...	...	...	7,818	59,464	...	.....	
...	...	...	...	...	...	...	...

A.—*General Progress Report of Neilgherry Branch, District No. II., from* 313 *Miles* 38 *Chains, to* 326 *Miles* 26 *Chains, for quarter ending* 31*st March* 1871.

References to heads of Estimate.	Details.	Total Estimate. Indian Expenditure.	Total Estimate. Value of English Stores.	Actual Indian Expenditure. During quarter.	Actual Indian Expenditure. Total from commencement to end of quarter.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
I.	Preliminary expenses	.....	.....	30 0 0	5,472 0 0
II.	Land	.....	.....	.....	.....
III.	Construction of Line	4,30,163 0 0	27,396 0 0	5,959 0 0	36,795 0 0
	Earth-work. Cuttings and Embankments	1,39,341 0 0	.....	.....	.....
	Earth-work. Rock cutting ...	.....	.....	.....	.....
	Small Bridges and Culverts ...	1,30,382 0 0	9,858 0 0	.....	.....
	Large Bridges (as per Statement B.)	72,342 0 0	17,538 0 0	.....	.....
	Fencing	18,658 0 0	.....	.....	.....
	Other items	69,440 0 0	.....	.....	.....
IV.	Ballast and Permanent-way ...	1,39,851 0 0	3,34,959 0 0	2,578 0 0	2,578 0 0
	Ballast... ... Collected.	25,280 0 0	.....		
	Ballast... ... Spread ...				
	Rails... ... Lifted ...				
	Rails... ... Linked in.				
	Rails... ... In Depôt..				
	Sleepers ... Lifted ... Iron ...	1,14,571 0 0	3,34,959 0 0	2,578 0 0	2,578 0 0
	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.)	.....	.....	.....	.....
	(a.) Platforms				
	(b.) Passenger buildings ...				
	(c.) Goods shed				
	(d.) Watering arrangements ...	.....	.....	.....	.....
	(e.) Staff quarters by rooms ...				
	(f.) Engine sheds				
	(g.) Small items				
VI.	Telegraph	.....	.....	.....	.....
VII.	Plant	750 0 0	.....	.....	.....
VIII.	Rolling Stock (*vide* Statement D) ...	.....	.....	0 15 0	0 15 0
IX.	Maintenance	42,405 0 0	.....	.....	.....
X.	Establishment	.....	.....	.....	.....
XI.	Contingencies	.....	.....	2,574 0 0	3,005 0 0

CHIEF ENGINEER'S OFFICE,
21*st April* 1871.

(Signed) F. CHURCH,
Chief Auditor.

(Signed) F. G. HANKIN,
Government Examiner.

Number. Total.	Number. Finished.	Number. In hand.	Quantities. Total as per Estimate.	Quantities. Executed during quarter.	Quantities. Executed to end of quarter.	Arrived in Port. During quarter.	Arrived in Port. Total.	Probable Date. Of completion.	Probable Date. By which the Permanent-way could be laid if urgently required.	Remarks.
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
Miles.	Miles.	Miles.	Cubic feet.	C. feet.	C. feet.	...	...	1873. 31st Dec.	.....	
...	...	...	13,680,792	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	8,157	...	.....	
...	...	...	...	...	...	7,818	59,463	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	

(Signed) T. H. GOING,
Acting Chief Engineer.

(Signed) B. ANDERSON,
Acting Agent and Manager.

B.

Progress Report of large Bridges in the South-West Line for quarter ending 31*st March* 1871.

Nil.

Progress Report of large Bridges in District I., Neilgherry Branch, for quarter ending 31*st March* 1871.

Nil.

Progress Report of large Bridges in District II., Neilgherry Branch, for quarter ending 31*st March* 1871.

Nil.

Progress Report of large Bridges in North-West Line from — Miles — to — Miles for quarter ending 31*st March* 1871.

Nil.

C.

Progress Report of Stations in the South-West Line for quarter ending 31*st March* 1871.

Nil.

Progress Report of Stations in District I., Neilgherry Branch, for quarter ending 31*st March* 1871.

Nil.

Progress Report of Stations in District II., Neilgherry Branch, for quarter ending 31*st March* 1871.

Nil.

Chief Engineer's Office,
21*st April* 1871.

(Signed) T. H. GOING,
Acting Chief Engineer.

(Signed) B. ANDERSON,
Acting Agent and Manager.

Proceedings of the Madras Government, Public Works Department,
25th May 1871.

C.—*Progress Report of Stations in District XX. and North-West Line for quarter ending* 31*st March* 1871.

Names of Stations.	*a.* Platforms.	*b.* Passenger Buildings.	*c.* Goods shed.	*d.* Watering arrangements.	*e.* Staff Quarters (by rooms.)	*f.* Engine sheds.	*g.* Small items.
Raichoor Station at 350¼ Miles. Per-centage done...	57·00	85·00	90·00	90·00	91·00	61·00	70·00
Raichoor Station at 350¼ Miles. Date of completion.	30th Sept. 1871.	30th Sept. 1871.	30th Sept. 1871.	30th Sept. 1871.	30th June 1871.	30th Sept. 1871.	30th Sept. 1871.

Chief Engineer's Office,
21*st April* 1871.

(Signed) T. H. GOING,
Acting Chief Engineer.

(Signed) B. ANDERSON,
Acting Agent and Manager.

	Number sanctioned.	Number erected up to 31st March 1870.	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 Shop during quarter.	Arrived at Port during quarter.	Balance to arrive in Port.	Remarks.
Locomotives	124	124							
Tenders	105	105							
Sleeping Carriages	4	4							
First class do.	22	15							
Second do. do.	57	55							
Do. do. do. Brakes	5	.....							
Third do. do. do.	30	30							
Do. do. do.	197	146	.....	.....	25				
Cooly class or covered Carriages	25	25							
Third class Upper-storied do.	2	2							
Composite Carriages	31	26							
Night Composite Carriages	6	6							
Engineer's Inspection Carriage with Brake ...	1	1							
Passenger's Luggage Vans	25	25							
Carriage Trucks...	30	20	.....	.....	20				
Horse-Boxes	50	30							
Ballast Waggons...	293	244							
Open-sided Goods Waggons	30	* 302							* Two to be converted into Fire Engine Trucks, 292 to be converted into High-sided Open Goods Waggons, and ten to be converted into Carriage Trucks.
High-sided open Goods Waggons	2,152	1,810	Nil.	Nil.					† Fifty to be converted into covered Goods Waggons.
High open Goods Waggons	5	5							‡ Six to be converted into Timber Trucks.
Open Goods Waggons	50	* 50							
Road Waggons with Brake	25	22							
Covered Goods Waggons	75	28							
Coke Waggons	360	† 410							
Timber Trucks	150	144							
Gun-Powder Vans	3	3							
Oil Store Vans	3	3							
Water Trucks	4	4							
Cattle Waggons	35	35							
Platform Trucks...	...	‡ 6							
Goods Brake Vans	63	35	.....	.....	19				
Road Waggons	7	7							
Travelling Cranes	4	4							
Fire Engine Trucks	2	.....							
Sets of Iron work {Carriages	.....	.....	.....	.....	.....	Sets 70			
Sets of Iron work {Waggons	.....	.....	.....	.....	.....	.....			
Buffer springs	.....	.....	.....	.....	.....	No. 50			
Carriage and Waggon springs	.....	.....	.....	.....	.....	„ 700			
Draw springs	.....	.....							
Axles	.....	.....							
Wheels, pairs of	.....	.....							
	3,746	3,497	.....	.....	64				

Certified as to the number sanctioned and to number erected.
(Signed) F. CHURCH, *Chief Auditor.*

(Signed) B. ANDERSON, *Acting Agent and Manager.*

(Signed) W. B. WRIGHT, *Locomotive Superintendent.*

GREAT SOUTHERN OF INDIA RAILWAY.

A.—General Progress Report for quarter ending 31st March 1871.

Reference to heads of Estimates.	Details.	Total Estimate. Indian Expenditure. Rs.	Total Estimate. English Stores. Rs.	Actual Indian Expenditure. During quarter. Rs. A. P.
I.	Preliminary Expenses (Southern Extension)	...	...	23,394 15 11
IV.	Ballasting and Permanent-way ...	...	...	15 10 6
	Permanent-way	...	...	15 10 6
V.	Stations and Buildings	...	...	1,093 2 2
	Negapatam	...	...	1,011 8 0
	Poogalore	...	...	75 4 2
	Passoor	...	...	6 6 0
	Workshops	...	...	406 9 3
	Boiler-shop	...	...	15 13 0
	Furnace-shop	...	...	218 4 0
	Saw Pit	...	...	24 11 3
	Fires Smith-shop	...	...	147 13 0
VI.	Telegraph...	...	...	69 11 0
VII.	Plant	...	...	18 0 0
	Station and Office Furniture ...	...	...	18 0 0
VIII.	Rolling Stock	...	...	4,721 8 10
	Locomotives	...	...	353 0 11
	Covered Goods Trucks	...	...	2,882 3 7
	Composite Carriages	...	...	928 14 5
	Passenger's Brake Vans... ...	...	...	503 4 7
	Gun-powder Van...	...	...	29 1 4
	Altering Axle Boxes of Stock ...	...	...	25 0 0
X.	Establishment	...	...	18,522 5 0
XI.	Contingencies	...	...	71 15

(Signed) S. M. JOHNSON, *Assistant Controller.*

(Signed) J. SMITH, *Chief Auditor.*

Negapatam, 17*th April* 1871.

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

D.—*General Progress Report of work in erecting and building Locomotive and Rolling Stock for quarter ending 31st March 1871.*

—	Number sanctioned.	Number erected up to 30th September 1870.	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 ...	21	17	1	1	1	...	...	...	
Composite Carriages	7	5	1	1	1	...	...	...	
2nd Class do. do.	2	2	...	...	...	...	...	...	
3rd do. do.	34	34	...	...	...	...	...	...	
Passenger's Brake Vans	8	6	1	1	1	...	...	...	
Horse-Boxes	3	3	...	...	...	...	...	...	
Carriage Trucks	1	1	...	...	...	...	...	...	
Goods Brake Vans	4	4	...	...	...	...	...	...	
Covered Goods Waggons	166	125	8	8	33	...	...	...	
Ballast Waggons	50	50	...	...	...	...	...	...	
Open Goods do.	50	50	...	...	...	...	...	...	
Timber Trucks	4	4	...	...	...	...	...	...	
Gun-powder Vans	1	...	...	...	1	...	...	...	
Salt Trucks...	25	23	...	...	...	...	...	...	
High-sided Open Trucks	50	50	...	...	...	...	...	...	
Sets of Iron work. {Carriages ... {Waggons ...	Iron works drawn from General Stores incomplete ...					C. Goods, sets 9. Gun-powder Van, sets 1.			

NEGAPATAM,
20th April 1871.

(Signed) W. S. BETTS,
Agent.

(Signed) E. G. SHEWARD,
Locomotive and Carriage Superintendent.

Proceedings of the Madras Government, Public Works Department, 25th May 1871.

No. 431. ORDER THEREON, 25th May 1871, No. 1,424.

RAILWAY, No. 53. ORDERED that these papers be forwarded to the Government of India :—

(Here enter No. 1,425, dated 25th May 1871.)

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Acting Consulting Engineer for Railways.

Ex. T. O'Connor.

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, *25th May* 1871.

No. 432.

No. 1,425.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

RAILWAY, No. 59.

SIR,—With reference to the Circular from the Government of India under date the 13th June 1870, No. 7-R., I am directed herewith to forward a letter from the Consulting Engineer for Railways, giving cover to a Report of the progress made in the construction of the Madras and the Great Southern of India Railways for the quarter ended the 31st March 1871.

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

Colonel, R.E.,
Secretary to Government.

Exd. T. O'Connor.

CONSULTING ENGINEER'S OFFICE.

Railway Department.

No. 189

From Major M. L. Pleasants R.E.
Consulting Engineer for Railways,

To Colonel J. Sandilands R.E.
Secretary to Government,
Public Works Department,
Fort Saint George.

Sir,

I have the honour to forward for submission to the Government of India the progress made in the construction of the Madras and the Great Southern of India Railways for the quarter ended the 31st March 1871.

Madras
2 May
1871

I have the honour to be
Your most obt Servt
M L Pleasants Major R.E.

Agl Genl: Copy for Mays

A

Madras

General Progress Report of Works on the South

References to Heads of Estimate	Details	Total Estimate		Actual Indian Expenditure	
		Indian Expenditure	Value of English Stores	During Quarter	Total from Commencement to end of Quarter
I	Preliminary Expenses				
II	Land				
III	Construction of Line				
	Earthwork { Cuttings & Embankments				
	Rock Cutting				
	Small Bridges & Culverts				
	Large Bridges (as per Statement B)				
	Fencing				
	Other Items				
IV	Ballast & Permanent Way				
	Ballast — { Collected				
	Spread				
	Rails { Lifted { Iron				
	Wood				
	Laid { Iron				
	Wood				
	In Depot { Iron				
	Wood				
	Sleepers { Lifted { Iron				
	Wood				
	Laid { Iron				
	Wood				
	In Depot { Iron				
	Wood				
V	Stations & Buildings (as per Statement C)	12.117	3.131	1.809	3.963
	a Platforms				
	b Passenger Buildings				
	c Goods Shed	5.182		212	1.552
	d Watering Arrangements				
	e Staff Quarters by rooms				
	f Engine Sheds				
	g Small Items	6.935	3.131	1.597	2.411
VI	Telegraph				
VII	Plant				
VIII	Rolling Stock (vide Statement D)	86.461	189.586	5535	26.279
IX	Maintenance				
X	Establishment	370.000	—	105.545	410.227
XI	Contingencies				

Chief Engineer's Office
21st April 1871

Chief Auditor

Govern

Railway. A 2

West Line for Quarter Ending 31st March 1871.

Number			Quantities			Probable Date		Remarks
Total.	Finished	In hand	Total as per Estimate	Executed during Quarter	Executed to end of Quarter	of Completion	By which date Permt. Way could be laid if urgently required.	
3	3	3	4			4	6	

12

B. W. 2012/71

A

Madras

General Progress Report of Neilgherry Branch District No. I from 301 Miles 5 Chains to

Reference to head of Estimate	Details	Total Estimate		Actual Indian Expenditure	
		Indian Expenditure	Value of English Stores	During Quarter	Total from Commencement to end of Quarter
		£	£	£	£
I	Preliminary Expenses			30	5,472
II	Land				
III	Construction of Line	361989	69834	4693	35529
	Earthwork — Cuttings & Embankments	86716			
	Earthwork — Rock Cutting				
	Small Bridges and Culverts	76664	10517		
	Large Bridges (as per Statement B)	121511	59317		
	Fencing	18023			
	Other items	59075		4693	35529
IV	Ballast and Permanent Way	115257	323924	2666	2666
	Ballast — collected	24420			
	Ballast — spread				
	Rails — Lifted				
	Rails — Linked in				
	Rails — In Depot				
	Sleepers — Lifted — Iron			2666	2666
	Sleepers — Lifted — wood	90837	323924		
	Sleepers — Linked in — Iron				
	Sleepers — Linked in — wood				
	Sleepers — In Depot — Iron				
	Sleepers — In Depot — wood				
V	Stations & Buildings (as per Statement C)				
	a Platforms				
	b Passenger Buildings				
	c Goods Shed				
	d Watering Arrangements				
	e Staff Quarters by rooms				
	f Engine Sheds				
	g Small Items				
VI	Telegraph				
VII	Plant				
VIII	Rolling Stock (vide Statement D.)	727			
IX	Maintenance	40961			
X	Establishment			2058	2489
XI	Contingencies				

Chief Engineer's Office
21st April 1871

Chief Auditor

Government

Railway

A

Chains to 313 Miles 38 Chains for Quarter Ending 31st March 1871.

Number			Quantities			Arrived per Port		Probable Date		Remarks.
Total	Finished	In hand	Total as per Estimate	Executed during Quarter	Executed to end of Quarter	During Quarter	Total	of Completion	By which the Permanent way could be laid, if urgently required.	
3	3	3	4	5	6	7	8	9	10	11
Miles	Miles	Miles	Cubic feet.	Cubic feet	Cubic feet			31st December 73		
			85.14.018							
						"	8157			
						7818	59464			

Temporary Resident Engineers Bungalow & Miscellaneous works

Examined

H. Rose

Actg. Chief Engineer

Bluefield Andrews

Acting Agent & Manager

8° W. 2012/71

A

Madras

General Progress Report of Neilgherry Branch District No. II. from

Reference to head of Estimate	Details	Total Estimate		Actual Indian Expenditure	
		Indian Expenditure	Value of English Stores	During Quarter	Total from commencement to end of Quarter
I	Preliminary Expenses			30	5.472
II	Land				
III	Construction of Line	4.30.163	27.396	5.959	36.795
	Earthwork { Cuttings & Embankments	139.341			
	Rock Cutting				
	Small Bridges and Culverts	130.382	9.858		
	Large Bridges (as per Statement B)	72.342	17.538		
	Fencing	18.658			
	other Items	69.440		5.959	36.795
IV	Ballast & Permanent Way	139.851	334.959	2.578	2.578
	Ballast — { Collected	25.280			
	Spread				
	Rails — { Lifted				
	Linked in				
	In Depot				
	Sleepers — { Lifted — { Iron			2.578	2.578
	Wood	114.571	334.959		
	Laid — { Iron				
	Wood				
	In Depot { Iron				
	Wood				
V	Stations & Buildings (as per Statement C)				
	a Platforms				
	b Passenger Buildings				
	c Goods Sheds				
	d Watering Arrangements				
	e Staff Quarters & Houses				
	f Engine Sheds				
	g Small Items				
VI	Telegraph				
VII	Plant	750		.15.	.15.
VIII	Rolling Stock (vide Statement D)				
IX	Maintenance	42.405			
X	Establishment			2.574	3.005
XI	Contingencies				

Chief Engineer's Office
21st April 1871

Chief Auditor

Governm

Railway.

A.

4

313 Miles 38 Chains to 326 Miles 26 Chains for Quarter Ending 31st March 1871.

Number			Quantities			Arrived in Port		Probable Date		Remarks.
Total	Finished	On hand	Total as per Estimate	Executed during Quarter	Executed to end of Quarter	During Quarter	Total	of Completion.	By which time Railway could be laid if urgently required.	
3	3	3	4	5	6	7		8	9	10
Miles	Miles	Miles	Cubic feet	Cubic feet	Cubic feet			31st Dec. 1873		
			13,680,792							
						"	8157			
						7,818	59,463			

Examined.

H. Rocke
Actg. Chief Engineer

Benfield Anderson
Acting Agent & Manager

8° W. 2012/71

A.

Madras Rai

General Progress Report of Works on the North West Line

References to heads of Estimate	Details	Total Estimate: Indian Expenditure	Total Estimate: Value of English Stores	Actual Indian Expenditure: During Quarter	Actual Indian Expenditure: Total from Commencement to end of Quarter
		£	£	£	£
I	Preliminary Expenses				
II	Land				
III	Construction of Line	7.226	204	5.938	5.950 .. ..
	Earthwork { Cuttings & Embankments / Rock Cutting				
	Small Bridges & Culverts	7.226	204	5.938	5.950 .. ..
	Large Bridges (as per Statement B.)				
	Fencing				
	Other items				
IV	Ballasting & Permanent Way.				
	Ballast { Collected / Spread				
	Rails { Lifted / Linked pins / In Depot				
	Sleepers. { Lifted { Iron / Wood } / Laid { Iron / Wood } / In Depot. { Iron / Wood }				
V	Stations & Buildings (as per Statement C)	341.169	145.507	87.528	151.614 .. ..
	A — Platforms	27.204	8.600	946	2.485 .. ..
	B. — Passenger Buildings	36.357	2.738	23.889	27.241 .. ..
	C. — Goods Shed	38.746	12.120	7456	7477 .. ..
	D. — Watering Arrangements	11.106	4.533	5003	7.131 .. ..
	E. — Staff Quarters	80.591	———	7.413	33088 .. ..
	F. — Engine Sheds	51.338	23.840	9273	14.753 .. ..
	G. — Sundry items	95.827	93.676	23548	49.439 .. ..
VI	Telegraph	Nil			
VII	Plant	Nil			
VIII	Rolling Stock (as per Statement D.)				
IX	Maintenance	458.374	———	30.431	42.654 .. ..
X	Establishment				
XI	Contingencies				

Chief Engineer's Office
21st April 1871

Chief Auditor

Govern

as Railway a

st. Line for Quarter Ending 31st March 1891.

Number			Quantities			Probable Date		Remarks
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	
4	4	4	4	4	4	4	6	5
No.	No.	No.						
3	1	2						
No.	No.	No.						
2	"	2						
4	"	4						
3	"	3						
1	"	1						
15	"	15						
2	"	2						
18	"	18						

Vide statement A S.W. Line

do do

Examiner

Acting Chief Engineer

Acting Agent & Manager

6

15

P.W. 2012/71

B

Madras R

Progress Report of large Bridges in the South West ive P

Names of Bridges	Foundations	Abutments and Piers up to Springing or girder level		A exec
			Kis	

Chief Engineer's Office
21st April 1871

Chief Auditor

Government

Madras Railway B.

West Line for Quarter ending 31st March 1871.—

	Arching or erection of Girders	Other items	Remarks
Nil			

Superintending Architect. T. H. Pringle

~~Superintendent~~ Acting Agent & Manager. Actg. Chief Engineer

4

4b

P.W. 2012/71
Date 25th May 71 Ld No 430

B

Madras Railw

Progress Report of large Bridges in District ow Nilgherry

Name of Bridges	Foundations	Abutments and Piers up to Springing or Girder level		Asc erecte
		Nil		

Chief Engineer's Office
21st April 1871

Chief Auditor

Govern

dras Railway

B.

Telegraphy Branch for the Quarter ending 31st March 1871.—

	Working or cost of Cylinders	other items	Remarks
		Nil	

Examined

Blandford Anderson
Acting Agent & Manager.

Lt. Col. Chief Engineer

17

P. W. 2012/71

B.

Madras

Progress Report of large Bridges in District two Neilgherries

Names of Bridges	Foundations	Abutments and Piers upto Springing or Girder level	
		Nil	

Chief Engineer's Office
21st April 1871

Chief Auditor

Governor

s. Railway

B.

Railway Branch for Quarter ending 31st March 1871.

	Working per section of Girders	Other items	Remarks
		Nil	

Asst Examiner

Blandford Anderson
Acting Agent & Manager.

H. Fowler
Chief Engineer

P.W. 2012/71

B

Madras

Progress Report of Large Bridges in North West Line

Names of Bridges	Foundations	Abutments & piers up to Springing or Girder level.
		Nil

Chief Engineer's Office
21st April 1871

~~Chief Auditor~~

~~Secretary~~

as Railway. B.

e from Miles to Miles for Quarter Ending 31st March 1871.

...ujs	Including prosection of Girders.	other items	Remarks
		Nil	

J. H. Greig

Clerk of Works

Acting Agent & Manager

Actg. Chief Engineer

P. W. 2012/71

Madras R

Progress Report of Stations in the South West Line. for

Names of Stations	A Platforms	B Passenger Buildings	C Goods Shed		W Ar
			Nil		

Chief Engineer's Office
21st April 1871

Actu

es Railway &c.

for Quarter ending 31st March 1871. —

	D. Watering Arrangements	E. Staff Quarters Lay rooms	F. Engine Shed	G. Small Items	Remarks

Blandford Amelia.

Acting Agent & Manager

T. H. Price

Acting Chief Engineer

P. W. 2012/71

Madras

Progress Report of Stations in District over Neilgherry

Names of Stations	a Platforms	b Passenger Buildings	c Goods Shed	
		Nil		

Chief Engineer's Office
21st April 1871

Chief Auditor

Governor

...ras Railway. &c.

...bery Branch for Quarter ending 31st. March 1871.—

d Watering Arrangements	e Staff Quarters by rooms	f Engine Sheds	g Small items.	Remarks
		Nil		

Blandford Archer — T. H. Guppy

Engineer's Acting Agent & Manager: Actg: Chief Engineer

6.

Madras R

Progress Report of Stations in District two Neilgherry Branch

Names of Stations	a Platform	b Passenger Buildings	c Goods Shed		Wa... And...
			Nil		

Chief Engineer's Office
21st April 1871

Chief Auditor

Secretary

as Railway. 6.

Branch for Quarter ending 31st March 1871.

d Watering Arrangement	e Staff Quarters (Bungalows)	f Engine Sheds	g Small items	Remarks
		Nil		

J. H. Grey

Glenfield Andrews.

Asst Engineer Acting Agent & Manager & Actg: Chief Engineer

P. W. 2012/71

C.

Madras

Progress Report of Stations in District 20th North West Line

Names of Stations		A Platforms	B. Passenger Buildings	C Goods Shed
Raichoor Station at 350 1/2 Miles	Percentage done	57.00	85.00	90.00
	Date of completion	30th Sept. 1871	30th Sept. 1871	30th Sept. 1871

Chief Engineer's Office
21st April 1871

Actg

Railway. 6

for Quarter Ending 31st March 1871.

D. (Watering Arrangements)	E. (Staff Quarters Lye rooms)	F. Engine Sheds	G. Small Items	Remarks
90.00	91.00	61.00	70.00	
30th Septr 1871	30th June 1871	30th Septr 1871	30th Septr 1871	

Blomfield Anderson. Thos. Doig

Actg Agent & Manager. Actg: Chief Engineer

D.

General Progress Report of Work in Erecting and Building Locomotive and Rolling Stock for Quarter ending 31st March 1871.

	Number of same sort	Number erected up to 31st March 1870	Number erected during current year: During Quarter	Number erected during current year: To end of Quarter	Building or under erection at end of Quarter	Carried out of Shop during Quarter	Carried out of Shop during Quarter	Balance to come in Stock	Remarks.
Line	124	124							
"	105	105							
big Carriages	4	4							
Class "	22	15							
" "	57	53							
" " Brake	5	"							
" " "	30	30							
" " "	177	146			25				
3d Class on Covered Carriages	25	25							
Class Upper Storied "	2	2							
Composite Carriages	31	26							
Light Composite Carriages	6	6							
Engineers Inspection Carriages with 1 Brake	1	1							
Passengers Luggage Vans	25	25							
Carriage Trucks	30	20							
" Boxes	50	30			20				
Ballast Waggons	293	244							
Undivided Goods Waggons	30	× 302							
High sided Open Goods Waggons	2152	1810	Nil	Nil					
Low Open Goods Waggons	5	5							
Goods Waggons	50	× 50							
Road Waggons with Brake	25	22							
Covered Goods Waggons	75	28							
Cattle Waggons	360	* 410							
Timber Trucks	150	144							
Platform Vans	3	3							
Mail Horse Vans	3	3							
Water Trucks	4	4							
Ballast Waggons	35	35							
Timber Trucks	"	0 6							
Brake Vans	63	35			19				
Waggons	7	7							
Cranes	4	4							
Timber Trucks	2	"							
Sets of Iron work Carriages						Sets 70			
do Waggons						No. 50			
Buffer Springs						No. 700			
Carriage and Waggon Springs									
Iron Springs									
Axles									
Wheels Pairs of									
Certificate to the Numbers mentioned to Number erected	3746	3497			64				

× Two to be converted into Fire Engine Trucks, 292 to be converted into High Sided Open Goods Waggons and 10 to be converted into Carriage Trucks.

* Fifty to be converted into Covered Goods Waggons

° Six to be converted into Timber Tr

Chief Clerk.
1. 5. 71.

Blandford Archer
Acting Agent and Manager.

Locomotive Superintendent
22. 4. 71.

A. 15

Great Southern of India Railway

General Progress Report for Quarter ending 31st March 1871

Reference to Heads of Estimates	Details	Total Estimate Indian Expenditure	Total Estimate Value of English Stores	Actual Indian Expenditure During Quarter			
I	Preliminary Expenses (Southern Extension)			22394	15	11	✓
II	Ballasting and Permanent Way			15	10	6	✓
	Permanent Way			15	10	6	✓
III	Stations and Buildings			1093	2	2	✓
	Negapatam			1011	8	-	✓
	Tadpatoor			75	4	2	✓
	Tarore			6	6	-	✓
IV	Workshops			406	9	3	✓
	Boilershop			15	13	-	✓
	Fitting shop			218	4	-	✓
	Saw Pit			24	11	3	✓
	Fixed Smiths shop			149	13	-	✓
VI	Telegraph			69	11	-	✓
VII	Plant			18	-	-	✓
	Station and Office Furniture			18	-	-	✓
VIII	Rolling Stock			4721	8	10	✓
	Locomotives			358	-	11	✓
	Covered Carriages & Vans			2882	3	7	✓
	Composite Carriages			928	14	6	✓
	Passenger Break Vans			503	4	7	✓
	Gunpowder Vans			29	1	4	✓
	Horse Box & Parcel Stock			25	-	-	✓
X	Establishment			1852	5	7	✓
XI	Contingencies			71	15	-	✓

Negapatam
Chief Auditors Office
1st April 1871

Assistant Controller

Chief Auditor

13

Agent and Chief Engineer

Rec'd 26th April/71
with No 8988 of 22d —Do—

P. W. 2012/71
Rec'd 25 May/71 Rs 2430—

Form No. 232.) D.

GREAT SOUTHERN OF INDIA RAILWAY.

16

General Progress Report of work in Erecting and Building Locomotive and Rolling Stock for quarter ending 31st March 1871

	Number Sanctioned.	Number erected up to [illegible]	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	21	17	1	1	1				
Composite Carriages	7	5	1	1	1				
2nd Class do.	2	2	"	"	"				
3rd do. do.	[illegible]	[illegible]	"	"	"				
Passengers Brake Vans	3	3	"	1	1				
Horse Boxes	2	2	1	"	"				
Carriage Trucks	1	1	"	"	"				
Goods Brake Vans	4	4	"	"	"				
Covered Goods Waggons	[illegible]	225	8	8	33				
Ballast Waggons	[illegible]	[illegible]	"		"				
Open Goods do.	[illegible]	30	"		"				
Timber Trucks	4	4	"		"				
Gunpowder Vans	[illegible]	"	"		1				
Salt Trucks	[illegible]	23	"		"				
High Sided Open Trucks	[illegible]	50	"		"				
Sets of Iron work (Carriages)	Iron work drawn from General Stores in Complete					C. Goods Shop Gunpowder Vans 31			
Do. (Waggons)									

Loco. and Car. Supt's. Office,
Negapatam 31st March 1871.

Recd 1st April

Edward G. Shea
Loco. and Car. Supt.

P.W. 2012/71
Pres: 25th May/71 Ld. 430.

Rd 26th April/71
with No. 3988 & 22d — Do —

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

29

No. 1425 No. 1425.

To
The Secy: to the Govt
of India P. W. D.

Sir

With reference to
the Circular from the
Government of India
under date the 13th June
1870 No. 7-R. I am
directed herewith to
forward a letter from the
Coal Engineer for Railways
giving

To
The Coal Engineer for
Railways.

Desp. 29/5/71.

giving cover to a Report of the progress made in the construction of the Madras and the Great Southern of India Railways for the quarter ended the 31st March 1871.

Desp. 29/5/71 with 26 Copies of Govt. No. 1424 of 1871-

Govt of India 1871 Madras.

PUBLIC WORKS.

To The Secretary Committee on Railways and To. The Secretary to the Govt of India

Dated

Recd. Encl. 15

G. O. 25th May 1871, No. 1424-14

Nos. 430-431 & 432

5th Forwarding a Report of progress made in the construction of the Madras Railway Company's