M R O 1—77,006—8-6-37.

(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. 93194/95 2349-50 Press / Mis.

Dated 8-10-1892.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 8th October 1872.

No 93. Read the following letter from the Acting Deputy Consulting Engineer for Railways, to the Secretary to Government, Public Works Department, dated Madras, 17th September 1872, No 498 :—

I HAVE the honour to forward, for submission to the Government of India, the report of progress made in the construction of the Madras Railway for the quarter ended the 30th June 1872, accompanied by a brief descriptive report.

Brief descriptive report submitted with Progress Report for quarter ending 30th June 1872

NEILGHERRY BRANCH LINE

Earthwork —This item refers to earthwork in cutting and embankments, including earthwork in connection with the doubling of the main line between Noyel bridge and Pothanore station

Minor bridges—Large bridges —Under these headings the expenditure on excavation of foundations and masonry is included

Fencing —The expenditure on ditch and mound fencing, planting aloes, thorn fence at the junction, and fence drains, is included under this head

Other items —These include Engineer's out-bungalow, Engineer's office, making petty roads, contingent establishment, extra earthwork in road approaches and in extra drains, pitching, road and stream diversion, metalling of roads, gate-keepers' lodges and platelayers' huts for tools.

Ballast —This refers to the ballasting of the line, including ballasting in connection with the doubling of the main line between Noyel bridge and Pothanore station

Permanent-way —This refers to the leading and laying of the permanent-way of the line, including the doubling of the main line between Noyel bridge and Pothanore station.

Platforms —This includes the platforms at Coimbatore, Tudialore, and Karamady stations, and the back verandah and platform at Pothanore station

Passengers' buildings —This includes the station-houses and native urinals at Coimbatore, Tudialore, and Karamady stations

Goods shed —This refers to the goods shed at Coimbatore station.

Watering arrangements —This includes the well staging, water column, and taking up and relaying piping from tank-house to water column at Pothanore station ; also the well staging, water column, and tank-house at Karamady station.

Staff quarters —This refers to the Station Master's bungalow at Coimbatore station

Small items —These include the extra siding in the station yard at Pothanore station, and the miscellaneous works at Karamady, Tudialore, and Coimbatore stations

SOUTH WEST LINE

Watering arrangements —These include the well staging, piping, and laying of do, the zinc shed over steam pump, and the boundary wall around zinc shed at Bangalore

Small items —This consists of the boundary wall and store-house at the new Central Station.

NORTH-WEST LINE

Large bridges —This refers to the new bridges over the Huggry and Cheyair rivers, and the bridge at the 280th mile, 14th telegraph post

Platforms —This refers to the station-house, platform, and covered platform at Raichore station, and the open platform at the Toongabudra river

Passengers' buildings —These include the station-house, European and Native urinals, refreshment-room, and godown at Raichore station, and the station-house at the Toongabudra river.

Goods shed —The goods shed and platform and the salt godown at Raichore station are included in this item

Watering arrangements —These include the following works at Raichore station, namely, wash-out cock in engine shed, well staging, water column, piping and laying do, and tank house, also the additional well staging at Goondacul station

Staff quarters —Under this item are included the following buildings at Raichore station, namely, staff bungalow, Station Master's bungalow, Apothecary's, double engine driver's, single engine driver's, two firemen's, Telegraph Signaller's, Guard's, the Deputy Post Master's bungalow, the dwelling-houses for the pointsmen and porters of the Traffic Department, and permanent-way Inspector's bungalow, also the Sub-Inspector's bungalow at Ausprey, and the dwelling-houses for the native staff of the Traffic Department at Goondacul station

Engine-shed —The engine and carriage sheds at Raichore are the works referred to here n

Small items.—Under this heading are included the following works at Raichore, namely shear legs, double engine-pits, two blowing, oil pits, engine and carriage turn-tables, weigh-bridge, weigh-bridge office, six Scotch blocks, eight signals and other miscellaneous works, also signals at Goondacul junction and Toongabudra river, and the weigh-bridge and weigh-bridge office at Bellary.

(Signed) B ANDERSON,
Chief Engineer.

31*st July* 1872.

MADRAS RAILWAY.

A.—General Progress Report of the Neilgherry Branch Line for the quarter ending 30th June 1872

Reference 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	Number. Total	Number. Finished	Number. In hand	Quantities. Total as per Estimate	Quantities. Executed during quarter	Quantities. Executed to end of quarter	Quantities Permanent way. Total arrived in Port	Quantities Permanent way. Arrived in Port during quarter	Probable date. Of completion.	Probable date. By which the Permanent-way could be laid if urgently required	Remarks
		Rs. A P	Rs. A. P.	Rs. A. P.	Rs. A P.											
I	Preliminary Expenses	.....	.....	.....	10,944 0 0	.	.	.		..	.	..	..	.	.	
II	Land	.....	.....	.....	.....	...	.	.		...	.	...	.	31st Mar 1873	..	
III	Construction of Line	7,42,4.2 0	1,02,523 0	93,883 0	3,07,837 0	—	.		C yards 821,794	97,168	664,162				..	
	Earthwork. Cuttings and Embankment	2,25,728 0 0	.....	27,868 0 0	1,55,573 0 0	.	..	.	821,794	97,168	664,162	..	..	..	. ...	
	Earthwork. Rock Cutting	.....	.....	.....	.....				.	.		.			.	
	Small Bridges and Culverts	2,09,256 0 0	16,374 0 0	39,442 0 0	1,22,902 0 0	No 100	No	No 100		...		..	.		. .. .	
	Large Bridges (as per Statement B)	1,46,454 0 0	86,249 0 0	22,931 0 0	42,502 0 0	8 Miles	.. Miles	8 Miles	.		...	..	..	..	..	
	Fencing	36,427 0 0	.....	2,952 0 0	5,331 0 0	50 18	17 75	32 43	.		.			..	... ...	
	Other items	1,24,547 0 0	.. ...	695 0 0	71,529 0 0	5 Miles of 25 09	track.	5		..		.	.	31st Mar 1873	..	
IV	Ballast and Permanent way	2,79,158 0	6,71,021 0	34,036 0	65,581 0 0											
	Ballast ... Collected ... Spread ...	71,905 0 0	.. ..	13,887 0 0	20,683 0 0	25 09	14 17	10 92		.			.			
	Rails ... Lifted ... Linked in . In Depôt ...	.. .	.. .	....	... .	25 09	19 00	6 09	.	..		19,086	.	...	.. ..	
	Sleepers ... Lifted ... Iron . Wood ..	2,07,253 0 0	6,71,021 0 0	20,649 0 0	41,898 0 0	..	..		.	..	..	..	...		..	
	Sleepers ... Laid . Iron .. Wood ...	.. ...	..	....	. ...	.	.		.	..	.	..		..	.	
	Sleepers ... In Depôt. Iron Wood					25 09	.		...	..	...	118,927	.		..	
V	Stations and Buildings (as per Statement C) ..	1,14,180 0	71,046 0	2,735 0	14,612 0 0	15		15	.	.		.	.	.	.	
	a. Platforms ...	19,833 0 0	2,570 0 0	623 0 0	2,994 0 0	4	.	4				.			.	
	b Passengers' buildings	17,788 0 0	1,402 0 0	917 0 0	9,942 0 0	3		3	..	.			.			
	c Goods sheds ..	21,709 0 0	7,956 0 0	..	.. ..	1	..	1				.			. .	
	d. Watering arrangements ..	9,520 0 0	3,064 0 0	1,195 0 0	1,676 0 0	2		2		.	..	.	...	30th June 1873	.. ..	
	e Staff Quarters by rooms	5,712 0 0	...	.. ..	.. ..	1		1	.		...	.	..		..	
	f Engine sheds ..	..	. .	...		.	.	..		..	..				.. .	
	g Small items	39,568 0 0	56,054 0 0	. ..	.....	4		4	.		.	..			.	
VI	Telegraph	. .	... ..		. ...										.	
VII	Plant	1,639 0 0		. .	. ...			..		..		..			.	
VIII.	Rolling Stock (*vide* Statement D)	. .	.	..	.					.	.				.	
IX	Maintenance	82,789 0 0	..		.				..	.		...	.	.	. .	
X.	Establishment ...	. ...	.. .		.....											
XI	Contingencies .	. .		6,232 0 0	35,839 0 0		..				...	.	..	...	. .	

CHIEF ENGINEER'S OFFICE,
31st *July* 1872.

(Signed) F. CHURCH,
Chief Auditor.

(Signed) C. M. MOBERLY,
Examiner of

Captain,
Railway Accounts.

(Signed) R. B ELWIN,
Agent and Manager.

(Signed) B. ANDERSON,
Chief Engineer.

A—General Progress Report of the South-West Line for quarter ending 30th June 1872.

Reference to heads of Estimates	Details	Total Estimate		Actual Indian Expenditure		Number.			Quantities			Quantities Permanent way		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	Total arrived in Port.	Arrived in Port during quarter	Of completion	By which the Permanent-way could be laid if urgently required	
		Rs A P	Rs. A P	Rs A P	Rs A P											
I	Preliminary Expenses ..															
II	Land															
III	Construction of Line ..															
	Earthwork { Cuttings and Embankment ..															
	Earthwork { 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) .	16,321 0 0	2,769 0 0	6,061 0 0	9,180 0 0											
	a Platforms .															
	b Passengers' Buildings															
	c Goods sheds ...															
	d Watering arrangements ..	5,147 0 0	2,769 0 0	1,020 0 0	1,200 0 0									30th Sept 1872.		
	e Staff quarters ..															
	f Engine sheds															
	g Small items ..	11,174 0 0		5,041 0 0	7,980 0 0									31st Dec 1872		
VI.	Telegraph															
VII	Plant ..															
VIII	Rolling Stock (*vide* Statement D)	1,05,971 0 0		2,843 0 0	29,736 0 0											
IX	Maintenance															
X	Establishment ..															
XI	Contingencies ..	2,69,001 0 0		7,092 0 0	7,092 0 0											

CHIEF ENGINEER'S OFFICE,
31st July 1872

(Signed) F. CHURCH,
Chief Auditor

(Signed) C. M MOBERLY,
Examiner of Railway Accounts

(Signed) R B ELWIN,
Agent and Manager

(Signed) B ANDERSON,
Chief Engineer

A—General Progress Report of the North West Line for the quarter ending 30th June 1872

Reference 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	Number. Total	Number. Finished	Number. In hand	Quantities. Total as per Estimate	Quantities. Executed during quarter	Quantities. Executed to end of quarter	Quantities Per Manent Way. Total arrived in Port	Quantities Per Manent Way. Arrived in Port during quarter	Probable Date. Of completion	Probable Date. By which the Permanent-way could be laid if urgently required	Remarks
		Rs A P	Rs A P	Rs A P	Rs. A P											
I	Preliminary Expenses															
II	Land	5,15,300 0 0	6,07,190 0 0	28,155 0 0	1,37,574 0 0	3		3						Not known		
III	Construction of Line															
	Earthwork { Cuttings and Embankment															
	Earthwork { Rock Cutting															
	Small Bridges and Culverts															
	Large Bridges (as per Statement B)	5,15,300 0 0	6,07,190 0 0	28,155 0 0	1,37,574 0 0	3		3						Not known		
	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)	3,35,047 0 0	1,56,875 0 0	9,776 0 0	2,40,220 0 0	48	33	14								Covered platform worked.
	a Platforms	29,263 0 0	8,600 0 0		14,646 0 0	3	2									
	b Passengers' buildings	39,975 0 0	3,090 0 0	398 0 0	35,940 0 0	5	5									
	c Goods sheds	38,746 0 0	12,120 0 0	990 0 0	36,958 0 0	3	3							31st Mar 1873		
	d Watering arrangements	7,592 0 0	4,550 0 0	762 0 0	9,158 0 0	6	4	2								
	e Staff quarters by rooms	66,190 0 0		3,149 0 0	48,481 0 0	15	11	4								
	f Engine sheds	51,338 0 0	23,810 0 0	4,247 0 0	35,835 0 0	2	1	1								
	g Small items	1,01,943 0 0	1,04,645 0 0	230 0 0	59,202 0 0	14	7	7								
VI	Telegraph															
VII	Plant															
VIII.	Rolling Stock (*vide* Statement D)															
IX	Maintenance	3,81,117 0 0		23,496 0 0	3,46,892 0 0											The expenditure for establishment is included in the South West Line Returns
X.	Establishment															
XI	Contingencies															

Chief Engineer's Office, 31st July 1872

(Signed) F. CHURCH, *Chief Auditor.*

(Signed) C. M. MOBERLY, *Examiner*

Captain, *of Railway Accounts*

(Signed) R B. ELWIN, *Agent and Manager.*

(Signed) B ANDERSON, *Chief Engineer.*

B —Progress Report of large Bridges on the Neilgherry Branch Line for the quarter ending 30th June 1872

Names of Bridges	Foundations	Abutments and Piers up to springing or girder level.	Arching or erection of Girders	Other items	Remarks
At 11 miles 7 chains	Laid	Top of Girder stone 95			Four 64-feet openings with wrought-iron girders.
a Per-centage done					
b Date of completion		31st March 1873			
At 5 miles 29 chains	Laid	Top of Girder stone 99			Double 64-feet openings with wrought-iron girders
a Per-centage done					
b. Date of completion		31st March 1873			
At 10 miles 11 chains	Laid	Top of Girder stone except pier 53			Do. do. do.
a Per-centage done					
b Date of completion		31st March 1873			
At 12 miles 3 chains	Laid	Top of Girder stone 85			Do do do
a Per-centage done					
b Date of completion		31st March 1873.			
At 5 miles 68 chains	Laid	Top of Girder stone 98			Four 64-feet do. do.
a Per-centage done					
b Date of completion		31st March 1873			
At 6 miles 46 chains	Laid	Top of Girder stone 96			Triple 30-feet do do
a Per-centage done					
b Date of completion		31st March 1873			
At 19 miles 4 chains	Laid	Top of Girder stone 85			Four 64-feet do do.
a Per-centage done					
b Date of completion		31st March 1873.			
At 24 miles 34 chains	Not commenced	Not commenced			Single 12-feet arch.
a Per-centage done					
b Date of completion	.....	31st March 1873			

CHIEF ENGINEER'S OFFICE,
31st *July* 1872.

(Signed) B ANDERSON,
Chief Engineer

Proceedings of the Madras Government, Public Works Department, 8th October 1872.

B —Progress Report of Large Bridges on the South-West Line for the quarter ending 30th June 1872.

Nil.

CHIEF ENGINEER'S OFFICE,
31st *July* 1872.

(Signed) B. ANDERSON,
Chief Engineer.

B —Progress Report of large Bridges on the North-West Line for the quarter ending 30th June 1872.

Names of Bridges.	Foundations.	Abutments and piers up to springing or girder level.	Arching or erection of girders.	Other items.	Remarks
Cheyair bridge	.....	One abutment and four piers up to girder level.	*Nil.*	Earthwork in approaches and 3 feet culvert	The foundations referred to are masonry.
a Per-centage done	11				
b. Date of completion	1st June 1873	Not known	Not known	Finished	Iron cylinders have not yet arrived from England.
Bridge at 286 miles, 14th telegraph post					No work done to new pier and abutments, as sanction was received so late in the year
a Per-centage done					
b Date of completion					Will probably be completed by June 1873.
Huggry bridge at 297 miles 13 chains		9 Screw pile piers on Bellary side finished, the remaining piers are awaiting cylinders from England.	7 Sets of girders are rivetted on Bellary bank, and 6 sets of girders rivetted on Madras bank.		
a Per-centage done		10			
b Date of completion		* Not known	Not known		* Waiting for cylinders from England.

CHIEF ENGINEER'S OFFICE,
31st *July* 1872.

(Signed) B. ANDERSON,
Chief Engineer.

C.—Progress Report of Stations on the Neilgherry Branch Line for the quarter ending 30th June 1872.

Names of Stations.	A Platforms	B Passengers' buildings	C. Goods Shed	D. Watering arrangements	E. Staff quarters (by rooms)	F. Engine Sheds	G. Small items	Remarks.
Tudialoor Station at 9 miles 5 chains	Completed	Completed						
a Per-centage done								
b Date of completion	30th June 1872	30th June 1872						
Karamady Station at 20 miles 43 chains	Completed	Completed		In progress				
a Per-centage done								
b. Date of completion	30th June 1872	30th June 1872		30th Sep. 1872				
Coimbatore Station at 2 miles 77 chains		Not commenced						
a Per-centage done								
b Date of completion		31st Dec. 1872						
Pothanore Station at 301 miles 69 chains		Not commenced						
a Per-centage done								
b Date of completion		30th June 1873						

CHIEF ENGINEER'S OFFICE,
31*st July* 1872.

(Signed) B. ANDERSON,
Chief Engineer

C.—Progress Report of Stations on the South-West Line for the quarter ending 30th June 1872.

Nil.

CHIEF ENGINEER'S OFFICE,
31*st July* 1872

(Signed) B ANDERSON,
Chief Engineer

C —Progress Report of Stations on the North-West Line for the quarter ending 30th June 1872.

Names of Stations	A Platform	B. Passengers' buildings.	C. Goods shed	D. Watering arrange-ments.	E. Staff Quarters (by rooms)	F. Engine sheds	G. Small items.	Remarks.
Toongabudra Station at 332 miles 72 chains	Completed	Completed						
a Per-centage done								
b Date of completion								
Raichore Station at 350 miles 33 chains	Completed	Completed	Completed	95 00	11 completed, 4 in progress.	85 00	*90 00	*Shear legs not erected Ash-pit under shear legs not constructed
a Per-centage done								
b Date of completion	†.			31st Dec. 1872	31st March 1873.	30th Sep. 1872	31st Dec 1872.	†Station-house platform completed Covered platform work stopped.

CHIEF ENGINEER'S OFFICE.
31*st July* 1872

(Signed) B ANDERSON,
Chief Engineer

D.—General Progress Report of work in erecting and building Locomotive and Rolling Stock for quarter ending 30th June 1872

	Number sanctioned	Number erected up to 31st March 1872.	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	126	126							
Tenders	106	106							
Sleeping carriages	4	4							
First class do	22	15							
Second class do.	57	55							
Second do do. with brakes	5								
Third do. do. do	30	30							
Do do do	207	171	10	35					
Cooly class or covered carriages	25	25							
Third do upper storied carriages	2	2							
Composite carriages	31	26							
Night do do	16	6							
Engineer's Inspection carriage with brake	1	1			10				
Passengers' luggage vans	25	25							
Carriage trucks	30	20	*10	10					* Ten carriage trucks converted from open sided goods waggons
Horse boxes	50	40							
Ballast waggons	293	244			10				
Open sided goods waggons	30	†302							† Sanction received in Government Orders Nos 272 and 3,004 dated 22nd January and 12th December 1870, for conversion of two of these vehicles into fire engine trucks, 292 into high sided open goods waggons, and 10 into carriage trucks
Open goods waggons	50	50							
High sided open goods waggons	2,152	1,860							
High open goods waggons	5	5							
Road waggons with brakes	25	23							
Covered goods waggons	75	‡28							‡ Sanction received from Consulting Engineer, No 397, dated 14th May 1864, for conversion of three of these vehicles into road brake waggons
Coke waggons	360	§410							§ Sanction received in Government Order, No 3,004, dated 12th December 1870, for conversion of fifty of these vehicles into covered goods waggons
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							‖ Sanction received from Consulting Engineer, No 397, dated 14th May 1864, for conversion of these six vehicles into timber trucks
Goods brake vans	69	60							
Road waggons	7	7							
Travelling cranes	4	4							
Fire engine trucks	2								
Buffer springs									
Carriage and waggon springs									
Draw springs									
Axles									
Wheels, pairs of									
Sets of iron work carriages									
Do do waggons									
Total	3,772	3,607	20	45	20				

PERAMBORE,
29th July 1872.

(Signed) F. CHURCH,
Chief Auditor.

Certified as to number sanctioned and number erected

(Signed) R B ELWIN,
Agent and Manager.

(Signed) W. B WRIGHT,
Locomotive Superintendent.

Proceedings of the Madras Government, Public Works Department, 8th October 1872.

No. 94. ORDER THEREON, 8th October 1872, No. 2,349.

RAILWAY, No. 13.

ORDERED that this report be forwarded to the Government of India.

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

No. 95. (DOCKET No. 2,350, dated 8th October 1872.)

Copy of the above forwarded to the Government of India:

(True Extract.)

Colonel, R.E.,
Secretary to Government.

Exd. E. C. Shunkor.

Gobt. of {1872} Mad

PUBLIC WORKS.

To

THE SECRETARY to GOVERNM

or L

Dated October 8th.

Recd. *En*

G. O, 8th October 1872, No 2,35

OCTOBER

Nos. 93-95

FORWARDING a report of the prog
made in the construction of the Ma
Railway for the quarter ended the
June 1872.

RAILWAY DEPARTMENT. CONSULTING ENGINEER'S OFFICE.

No. 498.

From Lieut. C. H. O. Christie. R.E.
A: Dy: Consulting Engineer for Railways,

To Colonel. G. W. Walker. 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 report of progress made in the Construction of the Madras Railway for the quarter ended the 30th June 1872 accompanied by a brief descriptive report.

I have the honour to be,
Sir,
Your most obedient servt
Chas. H. O. Christie Lieut: R.E.
Ag: Dy: Cons: Engr: for Rys

Madras
17th September
1872

Brief descriptive report submitted with Progress Report for quarter ending 30th June 1872.

Nilgherry Branch Line.

Earthwork. This item refers to Earthwork in Cutting and Embankments including Earthwork in connection with the doubling of the Main Line between Mopel Bridge and Pothanore Station.

Mina Bridges
Large Bridges } Under these headings the Expenditure on Excavation of foundations and Masonry is included.

Fencing The expenditure on ditch & mound fencing; planting Aloes, thorn fence at the junction, and fence drains, is included under this head.

Other items. These include Engineers Out bungalow, Engineers Office, making Petty Roads, Contingent Establishment, Extra Earthwork in Road approaches and in extra Drains, Pitching, Road & Stream Diversion, Metalling of Roads; Gate Keepers Lodges and Platelayers huts for tools.

Ballast. This refers to the Ballasting of the line including ballasting in connection with the doubling of the main line between Mopel Bridge and Pothanore Station.

Permanent Way. This refers to the Leading and Laying of the Permanent Way of the Line, including the doubling of the main line between Mopel Bridge and Pothanore Station.

Platforms. This includes the Platforms at Coimbatore, Tudialore and Karamady Stations and the back Verandah and Platform at Pothanore Station.

Passenger Buildings This includes the Station houses & native Urinals at Coimbatore, Tudialore & Karamady Stations.

Goods

Goods Shed — This refers to the goods shed at Coimbatore Station

Watering arrangements. — This includes the Well Staging, Water Column and taking up and Slaying pipes from tank house to Water Column at Pothanoor Station; also the Well Staging, Water Column, and tank house at Karamady Station.

Staff Quarters — This refers to the Station Masters Bungalow at Coimbatore Station

Small Items. — These include the Extra Siding in the Station Yard at Pothanoor Station, and the miscellaneous works at Karamady, Sulkulur and Coimbatore Stations.

South West Line.

Watering arrangements. — These include the Well Staging, Piping and Slaying of -do-, the Fine Shed over Steam Pump, and the Boundary wall around Fine Shed at Bangalore.

Small Items. — This consists of the Boundary Wall and Store House at the New Central Station.

North West Line.

Large Bridges. — This refers to the new Bridges over the Hagary and Cheyair Rivers and the Bridge at the 286 mile. 14 Tel: Post.

Platforms. — This refers to the Station house, Platform, and Covered Platform at Raichore Station, and the Open Platform at the Toongabadra River.

Passenger Buildings. — These include the Station house, European & Native Urinals, Refreshment Room and Godown at Raichore Station and the Station House at the Toongabadra River.

Goods

Goods Shed — The Goods shed and platform and the salt Godown at Raichore Station are included in this item.

Watering arrangements. — Here include the following works at Raichore Station viz: Wash-out Cock in Engine Shed, Well Staging, Water Column, Piping and laying do—, and Tank House also the additional Well Staging at Goondacul Station.

Staff Quarters. — Under this item are included the following buildings at Raichore Station, viz: Staff Bungalow, Station Masters Bungalow, Apothecary's, Double Engine Driver's, Single Engine Driver's, 2 Firemen's, Telegraph Signallers, Guards, the Depy: Post Masters Bungalow, the dwelling houses for the Pointsmen and Porters of the Traffic Department and Permanent Way Inspectors bungalow; also the Int Inspectors bungalow at Anosprey and the dwelling houses for the Native Staff of the Traffic Department at Goondacul Station.

Engine Shed. — The Engine and Carriage Sheds at Raichore are the works referred to herein.

Small items. — Under this heading are included the following works at Raichore viz. Shear legs, Double Engine Pits, 2 Blowing off Pits, Engine and Carriage Turn tables, Weigh bridge, Weigh bridge Office, 6 Switch Blocks, 8 Signals and other Miscellaneous works; also Signals at Goondacul Junction & Tungabudra River, and the Weigh bridge & Weigh bridge Office at Bellary.

31st July 1872.

Alfred Archibald
Chief Engineer.

C C

MADRAS RAILWAY.

Progress Report of Stations on the Neilgherry Branch *Line for the Quarter ending* 30th June 1872

NAMES OF STATIONS.	a Platform	b Passenger buildings.	c Goods Shed.	d Watering arrangements	e Staff Quarters (by rooms)	f Engine Sheds	g Small items	REMARKS.
Irdialoor Station at 9 Miles 5 Chs								
a Percentage done	Completed	Completed						
b. Date of completion	30th June 1872	30th June 1872						
Karamady Station at 20 Miles 3 Chs								
a Percentage done.	Completed	Completed		In progress				
b. Date of Completion	30th June 1872	30th June 1872		30th Sept 1872				
Coimbatore Station 2 Miles 7 Chs								
a Percentage done		Not Commenced						
b. Date of completion		31st December 1872						
Pothanoor Station 301 Miles 6 Chs.								
a Percentage done		Not Commenced						
b. Date of completion		30th June 1873						

Chief Engineer's Office,
31st July 1872

Chief Engineer.

B

B

MADRAS RAILWAY.

Progress Report of Large Bridges on the North West Line *for the Quarter ending* 30th June 1872.

NAMES OF BRIDGES.	Foundations	Abutments and piers up to Springing or girder level.	Arching or erection of Girders.	Other items.	REMARKS.
Cheyair Bridge					
a Percentage done	11	one abutment 4 piers Piers up to Girder Level	Nil	Earthwork in approaches and 3 feet flutwork	The foundations opened to and masonry
b Date of completion	1st June 1873	not known	not known	finished	Iron Cylinders have not yet arrived from England
Bridge at 2 86 Miles 14 Tel. post					
a Percentage done	"	"	"	"	New work done to new Pier and Abutments as sanction was received to state pr the Year
b Date of completion	"	"	"	"	Will probably be completed by June 1873.
Huggry Bridge at 2 97 Miles 13 Chs.		9 screw Pile Piers on Bellary side finished. the remaining piers are awaiting Cylinders from England	7 Sets of Girders are rivetted on Bellary bank & 6 sets of Girders rivetted on Madras bank.		
a Percentage done	"	10.			
b. Date of completion	"	x not known	not known	"	x Waiting for Cylinders from England

CHIEF ENGINEER'S OFFICE,
31st July 1872.

Chief Engineer.

MADRAS RAILWAY.

Progress Report of Large Bridges on the South West Line *for the Quarter ending* 30th June 1872.

NAMES OF BRIDGES.	Foundations.	Abutments and piers up to Springing or girder level.	Arching or erection of Girders.	Other items.	REMARKS.
	Nil	Nil	Nil		

CHIEF ENGINEER'S OFFICE,
31st July 1872.

31

Mansfield Andrews
Chief Engineer.

MADRAS RAILWAY.

Progress Report of Large Bridges on the Neilgherry Branch Line *for the Quarter ending* 30th June 1872.

NAMES OF BRIDGES.	Foundations.	Abutments and piers up to Springing or girder level.	Arching or erection of Girders.	Other items.	REMARKS.
At 11 Miles 7 Chains		Top of Girder Stone			Four 64 feet Openings with wrought iron Girders
a Percentage done	Laid	95.			
b. Date of completion		31st March 1873.			
At 5 Miles 2 9 Chains		Top of Girder Stone			Double 64 feet Openings with wrought iron Girders
a Percentage done		99.			
b State of completion	Laid	31st March 1873.			
At 10 Miles 11 Chains		Top of Girder Stone except Pier			Double 64 feet Openings with wrought iron Girders
a Percentage done		63.			
b. State of completion	Laid	31st March 1873			
At 12 Miles 3 Chains		Top of Girder Stone			Double 64 feet Openings with wrought iron Girders
a Percentage done		85.			
b. State of Completion	Laid	31st March 1873.			
At 5 Miles 68 Chains		Top of Girder Stone			Four 64 feet Openings with wrought iron Girders
a Percentage done		98.			
b. State of completion	Laid	31st March 1873.			
At 6 Miles 46 Chains		Top of Girder Stone			Triple 30 feet Openings with wrought iron girders
a Percentage done		96.			
b. State of completion	Laid	31st March 1873			
At 19 Miles 4 Chains		Top of Girder Stone			Four 64 feet Openings with wrought iron Girders
a Percentage done		85.			
b State of completion	Laid	31st March 1873			
At 24 Miles 34 Chains					Single 12 feet Arch.
a Percentage done					
b Date of completion	not Commenced	not Commenced. 31st March 1873.			

Chief Engineer's Office,
31st July 1872.

Chief Engineer.

A A

MADRAS RAILWAY.

General Progress Report of the North West Line *for Quarter ending* 30th June 1872.

Reference 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	Number: Total.	Number: Finished	Number: In hand	Quantities: Total as per Estimate	Quantities: Executed during Quarter	Quantities: Executed to end of Quarter	Quantities Permanent Way: Total Arrived in Port	Quantities Permanent Way: Arrived in Port during Quarter	Probable date: Of Completion.	Probable date: By which the Permanent Way could be laid if urgently required.	REMARKS
		Rs.	Rs.	Rs.	Rs											
I	Preliminary Expenses.															
II	Land															
III	Construction of Line	5.15.300	1.07.190	28.155	137.574	3	"	3	"	"	"	"	"	Not known		
	Earthwork. {Cuttings and Embankment / Rock Cutting.															
	Small Bridges and Culverts															
	Large Bridges (as per Statement B)	5.15.300	1.07.190	28.155	137.574	3	"	3	"	"	"	"	"	Not known		
	Fencing															
	Other Items															
IV	Ballast and Permanent Way	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	Ballast {Collected / Spread}															
	Rails {Lifted / Linked in / In depôt}															
	Sleepers {Lifted {Iron / Wood} / Laid {Iron / Wood} / In depôt {Iron / Wood}}															
V	Stations and Buildings (as per Statement C)	3.35.047	1.56.875	9.776	2.40.220	48	33	14	"	"	"	"	"	31st March 1873		Covered platforms work stopped
	(a) Platforms	29.263	8.600	"	14.646	3	2	"								
	(b) Passenger buildings	39.975	3.090	398	35.940	5	5	"								
	(c) Goods Sheds	38.746	12.120	990	34.958	3	3	"								
	(d) Watering Arrangements	7.592	4.580	782	9.158	6	4	2								
	(e) Staff Quarters, by rooms	66.190	"	3149	49.481	15	11	4								
	(f) Engine Sheds	51.338	23.840	4247	36.835	2	1	1								
	(g) Small Items	101.943	102.645	230	59.202	14	7	7								
VI	Telegraph															
VII	Plant															
VIII	Rolling Stock (Vide Statement D)															
IX	Maintenance	3.81.117	"	23.496	34.892											The expenditure for Establishment is included in the South West Line returns
X	Establishment															
XI	Contingencies															

CHIEF ENGINEER'S OFFICE,
31st July 1872

Chief Auditor.

Examiner of Railway Accounts.

Agent and Manager.

Chief Engineer.

A

A

MADRAS RAILWAY.

General Progress Report of the South West Line for Quarter ending 30th June 1872.

Reference to heads of Estimate	DETAILS	Total Estimate		Actual Indian Expenditure		Number			Quantities			Quantities Permanent Way		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	Total Arrived in Port	Arrived in Port during Quarter	Of Completion.	By which the Permanent Way could be laid if urgently required.	
		Rs.	Rs.	Rs.	Rs											
I	Preliminary Expenses.															
II	Land															
III	Construction of Line															
	Earthwork. {Cuttings and Embankment . Rock Cutting															
	Small Bridges and Culverts .															
	Large Bridges (as per Statement B) .. .															
	Fencing															
	Other Items															
IV	Ballast and Permanent Way.															
	Ballast .... {Collected... . .. . Spread... ... . }															
	Rails .... {Lifted ... ... Linked in .. .. In depôt . .. .. }															
	Sleepers ... {Lifted .. {Iron... . .. Wood . .. Laid... {Iron .. .. . Wood ... ... In depôt {Iron . .. .. Wood															
V	Stations and Buildings (as per Statement C) ...	16321	2769	6061	9180	3	"	3	"	"	"	"	"	"	"	
	(a) Platforms															
	(b) Passenger buildings															
	(c) Goods Sheds...															
	(d) Watering Arrangements.	5147	2769	1020	1200	1	"	1	"	"	"	"	"	30th Sept 72		
	(e) Staff Quarters, by rooms															
	(f) Engine Sheds															
	(g) Small Items	11174	"	5041	7980	2	"	2	"	"	"	"	"	31st Dec 72		
VI	Telegraph..															
VII	Plant															
VIII	Rolling Stock (Vide Statement D)	105971	"	2243	29736											
IX	Maintenance.															
X	Establishment.	269001	"	7092	7092											
XI	Contingencies															

CHIEF ENGINEER'S OFFICE,
31st July 1872.

Chief Auditor.

Examiner of Railway Accounts.

Agent and Manager.

Chief Engineer.

A

A

MADRAS RAILWAY.

General Progress Report of the Neilgherry Branch Line *for Quarter ending* 30th June 1872.

Reference 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	Number. Total	Number. Finished.	Number. In hand.	Quantities. Total as per Estimate	Quantities. Executed during Quarter	Quantities. Executed to end of Quarter	Quantities Permanent Way. Total Arrived in Port	Quantities Permanent Way. Arrived in Port during Quarter	Probable date. Of Completion	Probable date. By which the Permanent Way could be laid if urgently required	REMARKS.
		Rs.	Rs.	Rs	Rs											
I	Preliminary Expenses.				10.944				Cubic Yards							
II	Land.															
III	Construction of Line	7.42.412	102623	93888	3.97.837				821794	97168	664162			31st March 73		
	Earthwork { Cuttings and Embankment. Rock Cutting	2.25.728	"	27.868	155573	Nos	Nos	Nos	821794	97.168	664.162					
	Small Bridges and Culverts	209.256	16.374	3942	122.902	100	"	100								
	Large Bridges (as per Statement B)	146.454	86249	22.931	42.502	8 Miles	Miles	8 Miles								
	Fencing	36.427	"	2.952	5231	50.18	17.75	32.43								
	Other Items	1.24.547	"	695	71529	5 Milestones	"	5								
IV	Ballast and Permanent Way	2.79158	671021	34530	65581	25.09	"	"						31st March 73		
	Ballast { Collected. Spread	71.905	"	13.887	20.683	25.09	14.17	10.92								
	Rails { Lifted. Linked in. In depôt.					25.09	19.00	6.09				19.086	"			
	Sleepers { Lifted { Iron. Wood. Laid { Iron. Wood. In depôt. { Iron. Wood.	207.263	671.021	20649	44.198	25.09	"	"				118.927	"			
V	Stations and Buildings (as per Statement C)	1.14.130	71046	2.735	14.612	15	"	15						31st June 1873		
	(a) Platforms	19.833	2.570	623	2.994	4	"	4								
	(b) Passenger buildings	17.788	1.402	917	9942	3	"	3								
	(c) Goods Sheds	21.709	7.956	"	"	1	"	1								
	(d) Watering Arrangements	9.520	3.064	1.195	1.676	2	"	2								
	(e) Staff Quarters, by rooms	6712	"	"	"	1	"	1								
	(f) Engine Sheds															
	(g) Small Items	39.668	66.054	"	"	4	"	4								
VI	Telegraph	"	"	"												
VII	Plant	1.639	"													
VIII	Rolling Stock (Vide Statement D)															
IX	Maintenance	82.789	"													
X	Establishment			6232	35.839											
XI	Contingencies															

CHIEF ENGINEER'S OFFICE,
31st July 1872.

Chief Auditor.

Examiner of Railway Accounts.

Agent and Manager.

Chief Engineer.

MADRAS RAILWAY.

Progress Report of Stations on the North West Line *for the Quarter ending* 30th June ... 1872.

NAMES OF STATIONS.	a Platform	b Passenger buildings	c Goods Shed	d Watering arrangements	e Staff Quarters (by rooms)	f Engine Sheds.	g Small items	REMARKS.
Toongabudra Station at 332 M. 72 Ch.								
a. Percentage done	Completed	Completed						
b. Date of completion								
Raichore Station at 350 M. 33 Ch.								
a Percentage done	Completed	Completed	Completed	95.00	11 Completed 4 in progress	85.00	90.00	× Station House, platforms, completed. Covered Platform work stopped. ⁂ Shears Legs not erected. Ash pit under Shears Legs not Constructed.
b. Date of completion	X			31st December/72	31st March/73	30th September/72	31st December/72	

CHIEF ENGINEER'S OFFICE,
31st July 1872

Chief Engineer.

D

12

General Progress report of Works in erecting, and building Locomotive and Rolling Stocks for Quarter ending 30th June 1872

	Number sanctioned	Number erected up to 31st March 1872	Number erected during Current year: During Quarter	Number erected during Current year: Second Quarter	Building or under erection at end of 2 Quarter	Arrived at Shop, during Quarter	Arrived at Port, during Quarter	Balance to arrive on post	Remarks
Locomotives	126	126							
Tenders	106	106							
Sleeping Carriages	4	4							
1st Class do	22	15							
2nd do do	57	55							
2nd do do 3 Pairs	5	"							
3rd do do do	30	30							
3rd do do	207	171	10	35					
Cooly Class or Covered Carriages	25	25							
3rd Class Upper Storied do	2	2							
Composite Carriages	31	26							
Night Composite Carriages	16	6			10				
Engineers Inspection Carriage with Brake	1	1							
Passengers' Luggage Vans	25	25							
Carriage Trucks	30	20	&10	10					& 10 Carriage Trucks converted from
Horse Boxes	50	40			10				Open Sided Goods Waggons
Ballast Waggons	293	244							
Open Goods Waggons	50	302							
High Sided Open Goods Waggons	2152	1860							
High Open Goods Waggons	5	5							
Road Waggons with Brakes	25	22							
Covered Goods Waggons	75	*28							
Coke Waggons	360	⊖410							
Timber Trucks	150	144							
Gun Powder Vans	3	3							
Oil Store do	3	3							
Water Trucks	4	4							
Cattle Waggons	35	35							
Platform Trucks	"	⊛6							
Goods Brake Vans	69	60							
Road Waggons	7	7							
Travelling Cranes	4	4							
Fire Engine Trucks	2	"							
Buffer Springs					Nil				
Carriage and Waggon Springs					"				
Draw Springs					"				
Axles					"				
Wheels pairs of					"				
Sets of Iron Work Carriages					"				
do do do Waggons					"				
	3772	3607	20	45	20	-			

Peramboor

Certified as to Number sanctioned & Number erected.

Chief Clerk.

Supt. & Locomotive Engineer Southern Mahratta Railway

Locomotive Superintendent

29. 7. 72.

* Sanction received from Consulting Engineer No. 397, dated 14th May 1864, for Conversion of Three of these Vehicles into Road Brake Waggons

⊖ Sanction received in Government Order No. 3004 dated 22nd December 1870, for conversion of Fifty of these Vehicles into Covered Goods Waggons

⊛ Sanction received from Consulting Engineer No. 397 dated 14th May 1864 for Conversion of these Six Vehicles into Timber Trucks.

Sanction received in Government Order No. 272 & 3004 dated 22nd January & 12th December 1870 for Conversion of Two of these Vehicles into Fire Engine Trucks, 292 into N.J.O.G.W and 5 into Carriage Trucks.

P. W. 1872 Depart.

A. 4560.

RAILWAY DEPARTMENT

1872.

From

The Consulting Engineer
for Railways,

To

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

Dated 17th Septr 1872.
Recd. 18

No. 498.
Encls: 11

Submitting the Report of progress made in the construction of the Madras Railway for the quarter ended 30th June 1872. Witt orders.

Ordered that this report be forwarded to the Govt of India.

Copy forwarded to the Govt of India. R.E. No. 2350 dy. 15/10/72

Copy forwarded to the Govt of India. R.E. No. 2349 dy. 15/10/72

Encls to Rely 19th Octr 1872

No. 560

Govt. of {1872} Madras.

PUBLIC WORKS.

To Consulting Engr for R. Affairs & The Secretary to the Govt of India

Dated

Rd. Encl 11

G. O 8 Octr 1872 No. 2349.

2350.

Nos. 93-94 & 95

Madras Railway. Report.

Transmitted by the Engr. The progress made in the Construction of the Madras Railway for the Quarter ended the 30th June/72 ordered to be forwarded to the Govt of India.

Transmits the progress of Construction of Madras Railway for Quarter ended June/72.