

(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. *3444-45 Rg* Press
B.P. No. *3444-45 Rg* Mis.

Dated *8-12-74* *195*

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
8th December 1874.*

No. 147. Read the following letter from Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 19th November 1874, No. 708:—

I HAVE the honor to enclose, herewith, for transmission to the Government of India, Statements A, B, C, and D showing the progress made during the quarter ended 30th September 1874, on the construction works of the Madras Railway, together with a brief descriptive report by the Chief Engineer to that Company.

Brief Descriptive Report submitted with Progress Report for Quarter ending 30th September 1874.

SOUTH-WEST LINE.

Brickwork and Masonry.—Under this heading are included the new drain at the Royapooram terminus, protective works for the Poiney, Goriattum and Palar Bridges, shed over goods shed platform at Vellore Station, block signal office at Royapooram, water-pandal at Jollarpett Station, upper storey to station-house at Erode, third-class waiting-room and front verandah at Erode, and thirty dwelling houses for Native firemen at Jollarpett Station.

Large Bridges.—This refers to the bridge of two 31 feet openings with wrought iron girders at 105 miles, 11 telegraph posts, and the bridge of four 30 feet openings with wrought iron girders at 123 miles, 23 telegraph posts.

Small Bridges.—This refers to doubling the line between Veysarpaudy Junction and Perambore Station, and alterations and additions to permanent-way at New Central Station.

Ballasting.—This refers to the through siding at Jollarpett Station, and doubling the line between Veysarpaudy Junction and Perambore Station.

Permanent-way.—This includes the through siding at the Jollarpett Station, alterations and additions to permanent-way at New Central Station, doubling the line between Veysarpaudy Junction and Perambore Station, and renewing the line between Aveashy and Muddikerry, and between Muddikerry and Palghat with iron pot sleepers.

(b.) *Passenger Buildings.*—This refers to the New Central Station, and doubling the line between Salt Cotaar and New Central Station.

(d.) *Watering Arrangements.*—This refers to the watering arrangements at the New Central Station.

(g.) *Small Items.*—This refers to the through siding at the Jollarpett Station, doubling the line between Veysarpaudy Junction and Perambore Station, alterations and additions to permanent-way, New Central Station, and five-ton crane at the Goriattum Station.

NORTH-WEST LINE.

Brickwork and Masonry.—This refers to the protective works to the Naggery bridge, and to the Naggery river bank at Sattravady, and the dwelling houses and latrine for Native firemen at Tripetty Station.

Small Bridges.—This refers to the new bridge at 217 miles, 9½ telegraph posts, and to the diversion channel at 239 miles, 11 telegraph posts.

Large Bridges.—This refers to the bridges over the Cheyair and Huggry rivers.

Permanent-way.—This refers to the extension of passenger platform and alteration and additions to permanent-way at Arconum Station.

(b.) *Passenger Buildings.*—This includes the alterations and additions to Arconum Station, extension of passenger platform, and alterations and addition to permanent-way at Arconum, the over-bridge at Raichore, and fixing on planking under zinc sheeting front and back verandah roofs of passengers platform at Arconum and Raichore Stations.

(e.) *Staff Quarters.*—This includes the Permanent-way Inspector's bungalow at Arconum, the Resident Engineer's bungalow at Ghooty, single engine-driver's bungalow at Tripetty, Fuel Inspector's bungalow at Codoor Station, dwelling houses and latrine for Native firemen at Ghooty and Raichore Stations, and the Station-master's bungalow at Bellary Station.

(g.) *Small Items.*—This refers to the extension of passenger platform and alterations and additions to permanent-way at Arconum, and additional water-supply at Adoni Station.

NEILGHERRY BRANCH.

Same as report for quarter ending 31st December 1872, to which must be added engine shed and siding at Mettapolliem Station, maintenance of telegraph for two years from Pothanore to Coimbatore and from Coimbatore to Mettapolliem, horse platform and carriage deck at Mettapolliem Station, lay-bye at Karamady Station, and additions to third-class waiting room at Coimbatore Station.

2nd November 1874.

(Signed) B. ANDERSON,
Chief Engineer.

Proceedings of the Madras Government,

MADRAS

A.—General Progress Report of the South.

Reference 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.
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
I.	Preliminary Expenses ...	.....	.....	.....	.....
II.	Land ...	.....	.....	.....	.....
III.	Construction of Line ...	8,72,834 0 0	20,123 0 0	27,675 0 0	61,543 0 0
	Earthwork. { Cuttings and Embankment ...	.....	.....	.....	.....
	{ Rock Cutting ...	.....	.....	.....	.....
	Brickwork and Masonry ...	3,47,805 0 0	10,813 0 0	23,073 0 0	56,748 0 0
	Small Bridges and Culverts ...	938 0 0	472 0 0	207 0 0	675 0 0
	Large Bridges (as per Statement B) ...	24,111 0 0	17,844 0 0	4,390 0 0	4,390 0 0
	Fencing ...	.....	.....	.....	.....
	Other Items... ..	.....	.....	.....	.....
IV.	Ballast and Permanent-way ...	8,570 0 0	2,33,717 0 0	1 0 0	5,950 0 0
	Ballast ... { Collected ...	5,546 0 0	.....	.....	3,216 0 0
	{ Spread ...	.....	.....	.....	.....
	Rails ... { Lifted ...	3,204 0 0	2,23,617 0 0	119 0 0	2,773 0 0
	{ Linked in In Depot ...	.....	.....	.....	.....
	Sleepers ... { Lifted ... { Iron ...	.....	.....	.....	.....
	{ Laid ... { Iron ...	.....	.....	.....	.....
	{ Laid ... { Wood ...	.....	.....	.....	.....
	{ In Depot. { Iron ...	.....	.....	.....	.....
	{ In Depot. { Wood ...	.....	.....	.....	.....
V.	Stations and Buildings (as per Statement C) ...	6,32,396 0 0	3,13,520 0 0	2,750 0 0	6,22,636 0 0
	a. Platforms ...	.....	.....	.....	.....
	b. Passenger Buildings ...	6,59,553 0 0	3,36,309 0 0	2,694 0 0	6,20,927 0 0
	c. Goods Sheds ...	.....	.....	.....	.....
	d. Watering arrangements ...	1,800 0 0	3,003 0 0	.....	.....
	e. Staff Quarters, by Rooms ...	.....	.....	.....	.....
	f. Engine Sheds ...	.....	.....	.....	.....
	g. Small Items ...	943 0 0	2,208 0 0	65 0 0	1,723 0 0
VI.	Telegraph ...	.....	.....	.....	.....
VII.	Plant ...	.....	.....	.....	.....
VIII.	Rolling Stock (vide Statement D) ...	65,177 0 0	1,31,606 0 0	8,483 0 0	44,829 0 0
IX.	Maintenance ...	.....	.....	.....	.....
X.	Establishment ...	.....	.....	.....	.....
XI.	Contingencies ...	85,000 0 0	.....	10,650 0 0	19,971 0 0

(Signed) F. CHURCH,
Chief Auditor

(Signed) R. K. WILLIAMS,
Offg. Exr. of Railway Accounts.

Public Works Department, 8th December 1874.

RAILWAY.

West Line for Quarter ending 30th September 1874.

NUMBER.			QUANTITIES.			QUANTITIES, PERMANENT-WAY.		PROBABLE DATE	
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.
14	3	11							
10	2	8						30th Sept. 1875.	
2	1	1						31st Dec. 1874.	
2		2						30th June 1875.	
Miles of track.									
53 Miles	24 Miles	27 Miles							
1 Mile	1 Mile							Finished.	
44 1/2 Chs.	4 1/2 Chs.							30th June 1877.	
56 Miles	29 Miles	27 Miles							
61 1/2 Chs.	4 1/2 Chs.	17 Chs.							
2	1	1						7th April 1875.	
1		1						31st March 1875.	
4	2	2						31st Dec. 1874.	

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

(Signed) B. ANDERSON,
Chief Engineer

Proceedings of the Madras Government, Public Works Department,
8th December 1874.

B.—Progress Report of large Bridges on the South-West Line for the Quarter ending 30th September 1874.

Names of Bridges.	Foundations.	Abutments and Piers up to springing or girder level.	Arching or erection of girders.	Other Items.	Remarks.
Protective works for the Poiney Bridge— a. Per-centage done b. Date of completion	...	...	...	...	Well sinking in progress; work hindered by rain and floods. Probable date of completion, 30th September 1875.
Protective works for the Goriatum Bridge— a. Per-centage done b. Date of completion	...	...	...	...	Work was much hindered by heavy rain and floods. Some little progress, however, has been made in masonry and well sinking. Probable date of completion, 30th September 1875.
Protective works for the Palar Bridge— a. Per-centage done b. Date of completion	...	...	...	...	Beside a few wells being sunk, nothing could be done owing to continual floods. Probable date of completion, 30th September 1875.
Constructing a bridge of two 30 feet openings with wrought iron girders at 105 miles, 11 telegraph posts— a. Per-centage done b. Date of completion	...	...	...	...	Experimental wells being sunk for foundations. Probable date of completion, 30th June 1875.
Constructing a bridge of four 30 feet openings with wrought iron girders at 123 miles, 23 telegraph posts— a. Per-centage done b. Date of completion	...	...	...	...	Work in progress at foundations. Probable date of completion, 30th June 1875.

a. This refers to the approximate per-centage of the whole work done at the end of the quarter not to the money expenditure.
b. This refers to the probable date of completion of each item.

2nd November 1874.

(Signed) B. ANDERSON,
Chief Engineer.

Proceedings of the Madras Government, Public Works Department,
8th December 1874.

C.—Progress Report of Stations on the South-West Line for the Quarter ending 30th September 1874.

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.
New drain at the Royapooram Station— a. Per-centage done b. Date of completion	...	...	...	...	Finished ... 30th September 1874.	...	...	...
Block Signal Office at Royapooram— a. Per-centage done b. Date of completion	...	...	...	...	Finished ... 30th June 1874	...	...	...
Madras Central Station— a. Per-centage done b. Date of completion	...	...	...	...	Maintenance of works on Capital. 7th April 1875	...	...	...
Doubling the line between Salt Cotta and New Central Station— a. Per-centage done b. Date of completion	...	...	...	...	Finished ... 30th June 1874	...	...	...
Watering arrangements at New Central Station— a. Per-centage done b. Date of completion	...	...	...	...	Not commenced 31st March 1875	...	...	...
Alterations and additions to Permanent-way of the New Central Station— a. Per-centage done b. Date of completion	...	...	...	...	In progress ... 31st December 1874...	...	...	...
Doubling the line between Veyyapady Junction and Perambore Station— a. Per-centage done b. Date of completion	...	...	...	...	Finished ... 31st December 1873...	...	...	...
Shed over Goods shed Platform at Vellore Station— a. Per-centage done b. Date of completion	...	...	...	...	Finished ... 30th September 1874.	...	...	...
Five-ton crane at the Goriatum Station— a. Per-centage done b. Date of completion	...	...	...	...	In progress ... 31st December 1874...	...	...	...

C.—Progress Report of Stations on the South-West Line for the Quarter ending 30th September 1874.—(Concluded.)

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.
Through siding required by Traffic Department at Jollapett Station—								
a. Per-centage done								
b. Date of completion								
Water-pandal at Jollapett Station—								
a. Per-centage done								
b. Date of completion								
Thirty dwelling houses for Native Firemen at Jollapett Station—								
a. Per-centage done								
b. Date of completion								
Constructing upper storey to Station-house at Erode—								
a. Per-centage done								
b. Date of completion								
Third-class waiting room and front verandah at Erode—								
a. Per-centage done								
b. Date of completion								

a. This refers to the approximate per-centage of the whole work done at the end of the quarter; not to the money expenditure.
b. This refers to the probable date of completion of each item.

N.B.—Under General Remarks any details should be given that cannot conveniently be tabulated, such as progress in fixing station machinery, signals, etc.
(Signed) B. ANDERSON,
Chief Engineer.

2nd November 1874.

Proceedings of the Madras Government, Public Works Department,
8th December 1874.

A.—General Progress Report of the North-West Line for Quarter ending 30th September 1874.

Reference to heads of Estimate.	Details.	TOTAL ESTIMATE.		ACTUAL INDIAN EXPENDITURE.		NUMBER.		QUANTITIES.		QUANTITIES, PER- MANENT-WAY.		PROBABLE DATE		Remarks.
		Indian Ex- penditure.	Value of En- gine Stores.	During quar- ter.	Total from commence- ment to end of quarter.	Total.	Finished.	In hand.	Executed dur- ing quarter.	Executed to end of quar- ter.	Total arriv- ed in Port.	Arrived in Port during quarter.	Of comple- tion.	By which the Permanent way could be laid if urgently re- quired.
I.	Preliminary Expenses	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
II.	Land	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
III.	Construction of Line	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Earthwork ... {Cuttings and Embankment	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Brickwork and Masonry ... {Rock Cutting ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Small Bridges and Culverts ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Large Bridges (as per Statement B)	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Fencing ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Other items ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
IV.	Ballast and Permanent-way	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Ballast ... {Collected	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Spreads ... {Spread ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Lifted ... {Lifted ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	In Depot ... {In Depot ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Lifted ... {Lifted ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Laid ... {Laid ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Wood ... {Wood ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Iron ... {Iron ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Wood ... {Wood ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Iron ... {Iron ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Wood ... {Wood ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
V.	Stations and Buildings (as per Statement C)	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Platforms	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Passenger Buildings	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Goods Sheds	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Watering arrangements	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Staff Quarters, by rooms	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Engine Sheds	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Small Items	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Telegraph	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Plant	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Rolling Stock (vide Statement D)	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Maintenance	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Establishment	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Contingencies	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.

(Signed) F. CHURCH, Chief Auditor. (Signed) R. K. WILLIAMS, Agent and Manager. (Signed) R. B. ELWIN, Chief Engineer.

2nd November 1874.

B.—Progress Report of large Bridges on the North-West Line for the Quarter ending 30th September 1874.

Names of Bridges.		Foundations.	Abutments and Piers up to springing or girder level.	Arching or erection of girders.	Other Items.	Remarks.
Protective works for the Naggery Bridge—						
a.	Per-centage done	...	...	...	...	...
b.	Date of completion	...	...	...	...	...
Cheyaur Bridge—						
a.	Per-centage	...	...	...	...	...
b.	Date of completion	...	...	...	...	...
Huggery Bridge—						
a.	Per-centage done	...	...	...	...	...
b.	Date of completion	...	...	...	...	...

a. This refers to the approximate per-centage of the whole work done at the end of the quarter; not to the money expenditure.
b. This refers to the probable date of completion of each item.

2nd November 1874.

(Signed) D. ANDERSON,
Chief Engineer.

Proceedings of the Madras Government, Public Works Department,
8th December 1874.

C.—Progress Report of Stations on the North-West Line for the Quarter ending 30th September 1874.

Names of Stations.	a	b	c	d	e	f	g	Remarks.
	Platform.	Passenger Buildings.	Goods Shed.	Watering arrangements.	Staff Quarters (by rooms).	Engine Sheds.	Small Items.	
Extension of passengers platform and alterations to permanent-way at Arconum Station—								
a.	Per-centage done	...	...	...	...	...	...	...
b.	Date of completion	...	...	...	...	...	...	...
Alterations and additions to Arconum Station—								
a.	Per-centage done	...	...	...	...	...	...	...
b.	Date of completion	...	...	...	...	...	...	...
Fixing on planking under zinc sheeting front and back verandah roofs of passenger platform at Arconum—								
a.	Per-centage done	...	...	...	...	...	...	...
b.	Date of completion	...	...	...	...	...	...	...
Permanent-way Inspector's Bungalow at Arconum—								
a.	Per-centage done	...	...	...	...	...	...	...
b.	Date of completion	...	...	...	...	...	...	...
Single engine-drivers' Bungalow at Tripetty Station—								
a.	Per-centage done	...	...	...	...	...	...	...
b.	Date of completion	...	...	...	...	...	...	...
Dwelling houses and latrine for Native Firemen at Tripetty Station—								
a.	Per-centage done	...	...	...	...	...	...	...
b.	Date of completion	...	...	...	...	...	...	...
Fuel Inspector's Bungalow at Codoor Station—								
a.	Per-centage done	...	...	...	...	...	...	...
b.	Date of completion	...	...	...	...	...	...	...
Dwelling houses and latrine for Native Firemen at Ghooty Station—								
a.	Per-centage done	...	...	...	...	...	...	...
b.	Date of completion	...	...	...	...	...	...	...
Resident Engineer's Bungalow at Ghooty Station—								
a.	Per-centage done	...	...	...	...	...	...	...
b.	Date of completion	...	...	...	...	...	...	...

Proceedings of the Madras Government, Public Works Department,
8th December 1874.

C.—Progress Report of Stations on the North-West Line for the Quarter ending 30th September 1874.—(Concluded.)

Names of Stations.		a	b	c	d	e	f	g	Remarks.
Station-master's Bungalow at Bellary—									
a. Per-centage done	...	...	...	...	...	...	...	...	...
b. Date of completion	...	...	...	...	...	...	...	...	...
Additional water supply at Adoni Station—									
a. Per-centage done	...	...	...	...	...	...	...	...	...
b. Date of completion	...	...	...	...	...	...	...	...	...
Dwelling houses and latrine for Native Firemen at Raichore Station—									
a. Per-centage done	...	...	...	...	...	...	...	...	...
b. Date of completion	...	...	...	...	...	...	...	...	...
Over-bridge at Raichore—									
a. Per-centage done	...	...	...	...	...	...	...	...	...
b. Date of completion	...	...	...	...	...	...	...	...	...
Fixing on planking under zinc sheeting front and back verandah roofs of passengers platform at Raichore—									
a. Per-centage done	...	...	...	...	...	...	...	...	...
b. Date of completion	...	...	...	...	...	...	...	...	...

a. This refers to the approximate per-centage of the whole work done at the end of the quarter; not to the money expenditure.
b. This refers to the probable date of completion of each item.

N.B.—Under General Remarks any details should be given that cannot conveniently be tabulated, such as progress in fixing machinery, signals, etc.
2nd November 1874.

(Signed) B. ANDERSON,
Chief Engineer.

Proceedings of the Madras Government, Public Works Department,
8th December 1874.

A.—General Progress Report of the Neilgherry Branch Line for Quarter ending 30th September 1874.

Reference to heads of Estimate.	Details.	TOTAL ESTIMATE.		ACTUAL INDIAN EXPENDITURE.		NUMBER.		QUANTITIES.			QUANTITIES, PER-MANER-WEY.		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 to end of quarter.	Total arrived in Port.	Arrived during quarter.	Of completion.	By which the Permanent way could be laid if required.
I.	Preliminary Expenses ...	...	...	...	Rs. 10,914	...	...	...	...	...	...	...	...	...	...
II.	Land ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
III.	Construction of Line ...	...	...	...	Rs. 52,163	...	...	...	...	...	...	...	...	...	...
IV.	Earthwork {Cuttings and Embankment	2,26,452	...	40	2,07,408	25 09	25 09	Miles of track.	823,264	25,168	826,473	...	...	...	...
	{Rock Cutting	...	...	...	...	No.	No.	...	...	...	...	...	...	...	...
	Small Bridges and Culverts	2,07,395	29,066	593	1,89,862	100	100	...	...	...	...	...	...	...	...
	Large Bridges (as per Statement B)	1,33,237	1,00,513	...	95,163	8	8	...	...	...	...	...	...	...	...
	Fencing	36,427	...	...	19,612	50 18	50 18	...	...	...	...	...	...	...	...
	Other Items	1,24,547	...	...	72,406	6	6	...	...	...	...	...	...	...	...
V.	Ballast and Permanent-way	2,79,125	6,73,656	734	1,33,305	25 17	25 17	Miles of track.	...	...	...	...	...	...	...
	Ballast ... {Collected	72,079	...	57	59,210	25 17	25 17	...	...	...	...	...	...	...	...
	{Spread ...	2,00,049	6,73,656	77	74,176	25 17	25 17	...	...	...	...	...	...	...	...
	Rails ... {Linked in	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{In Depot	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Sleepers ... {Laid ... {Wood	...	...	...	...	...	...	...	...	...	...	...	...	...	...
VI.	{Iron	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{Wood	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{In Depot.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{Wood	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Stations and Buildings (as per Statement C)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	a. Platforms	31,854	4,316	827	22,434	8	7	...	...	...	...	...	...	...	...
VII.	b. Passenger Buildings	20,633	2,530	...	46,216	4	4	...	...	...	...	...	...	...	...
	c. Goods Sheds	31,069	11,034	...	20,017	2	2	...	...	...	...	...	...	...	...
	d. Watering arrangements	6,743	2,755	...	3,339	2	2	...	...	...	...	...	...	...	...
	e. Staff Quarters, by Rooms	12,033	...	...	2,686	3	3	...	...	...	...	...	...	...	...
	f. Engine Sheds	2,886	1,180	288	2,187	1	1	...	...	...	...	...	...	...	...
	g. Small Items	71,411	98,225	240	21,737	6	6	...	...	...	...	...	...	...	...
VIII.	Telegraph	1,723	1,998	36	198	...	...	...	...	...	...	...	...	...	...
	Plant	1,639	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rolling Stock (vide Statement D)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maintenance	52,789	...	...	...	...	...	...	...	...	...	...	...	...	...
	Establishment	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Contingencies	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(Signed) F. CHURCH, Chief Auditor. (Signed) R. K. WILLIAMS, Offg. Exr. of Railway Accounts. (Signed) R. B. ELWIN, Agent and Manager. (Signed) B. ANDERSON, Chief Engineer.

2nd November 1874:

Proceedings of the Madras Government, Public Works Department,
8th December 1874.

B.—Progress Report of large Bridges on the Neilgherry Branch Line for the Quarter ending 30th September 1874.

Nil.

C.—Progress Report of Stations on the Neilgherry Branch Line for the Quarter ending 30th September 1874.

Names of Stations.	a. Platform.	b. Passenger Buildings.	c. Goods Sheds.	d. Watering arrange- ments.	e. Staff Quarters (by rooms).	f. Engine Sheds.	g. Small Items.
Additions to 3rd-class waiting-room at Coimbatore— a. Per-centage done b. Date of completion				In progress. 31st March 1875.	..... .....	..... .....	..... .....
Lay-bye at Karamady Station— a. Per-centage done * b. Date of completion				Finished. 31st July 1874.	..... .....	..... .....	..... .....
Horse platform and carriage dock at Mettapollum— a. Per-centage done b. Date of completion				Finished. 30th June 1874.	..... .....	..... .....	..... .....
Engine-shed and siding at Mettapollum Station— a. Per-centage done b. Date of completion				Finished. 30th June 1874.	..... .....	..... .....	..... .....

a. This refers to the approximate per-centage of the whole work done at the end of the quarter; not to the money expenditure.

b. This refers to the probable date of completion of each item.

N.B.—Under General Remarks any details should be given that cannot conveniently be tabulated, such as progress in fixing station machinery, signals, etc.

(Signed), B. ANDERSON,
Chief Engineer.

2nd November 1874.

*Proceedings of the Madras Government, Public Works Department,
8th December 1874.*

D.—General Progress Report of Work in Erecting and Building Locomotive and Rolling Stock for Quarter ending 30th September 1874.

	Number Sanctioned.	Number erect- ed up to 31st March 1874.	NUMBER ERECTED DURING CURRENT YEAR.		Building or under erection at end of quarter.	Arrived at Shop during quarter.	Arrived at Port during quarter.*	Balance to arrive in Port.*	Remarks.
			During quar- ter.	To end of quarter.					
Locomotives	126	126			.....	.....	.....	.....	
Tenders	106	106			.....	.....	.....	.....	
Sleeping carriages	4	4	2	2	.....	.....	.....	.....	
Falcon do.	15	15	9	9	.....	.....	.....	.....	
First-class do.	64	64			.....	.....	.....	.....	
Second-class do.	181	181			.....	.....	.....	.....	
Third-class do.	30	30			.....	.....	.....	.....	
Do. do. with brakes	2	2			.....	.....	.....	.....	
Third do. upper-storied carriages	40	40			.....	.....	.....	.....	
Cooly-class or covered carriages	26	26			.....	.....	.....	.....	
Composite carriages	12	12			.....	.....	.....	.....	
Night composite carriages	4	4			.....	.....	.....	.....	
Double Saloon, 1st Class Night carriages. Engineer's inspection carriage with brake. Invalid carriages... ..	1 1 2	1 1 2			.....	.....	.....	.....	
Open goods wagons	332	332			.....	.....	.....	.....	
Open-sided goods wagons	1,857	1,857			.....	.....	.....	.....	
High-sided open goods wagons	5	5			.....	.....	.....	.....	
High open goods wagons	244	244			.....	.....	.....	.....	
Ballast wagons	388	388			.....	.....	.....	.....	
Coke wagons	7	7			.....	.....	.....	.....	
Road wagons	35	35			.....	.....	.....	.....	
Cattle wagons	22	22			.....	.....	.....	.....	
Road wagons with brake	48	48			.....	.....	.....	.....	
Covered goods wagons	80	80			.....	.....	.....	.....	
Carriage trucks	144	144			.....	.....	.....	.....	
Timber trucks	6	6			.....	.....	.....	.....	
Water trucks	4	4			.....	.....	.....	.....	
Passenger luggage vans	25	25			.....	.....	.....	.....	
Goods brake vans	60	60			.....	.....	.....	.....	
Gun-powder vans	3	3			.....	.....	.....	.....	
Oil-store vans	8	8			.....	.....	.....	.....	
Horse-boxes	3	3			.....	.....	.....	.....	
Travelling cranes	50	50			.....	.....	.....	.....	
Buffer springs	4	4			.....	.....	.....	.....	
Carriage and wagon springs ... ..					.....	.....	.....	.....	
Draw springs ... ..					.....	.....	.....	.....	
Axles ... ..					.....	.....	.....	.....	
Wheels, pairs of ... ..					.....	.....	.....	.....	
Sets of iron-work carriages ... ..					.....	.....	.....	.....	
Do. do. wagons ... ..					.....	.....	.....	.....	
Total..	3,650	3,635	11	15	.....	.....	.....	.....	

26th October 1874.

Certified as to number sanctioned and number erected.

(Signed) F. CHURCH,
Chief Auditor.

* Information required in these two columns to be afforded by General Storekeeper.

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

(Signed) G. MATHEW,
for Acting Locomotive Superintendent.

*Proceedings of the Madras Government, Public Works Department,
8th December 1874.*

No. 148.

ORDER THEREON, 8th December 1874, No. 3,444.

RAILWAY, No. 24.

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

(True Extract.)

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

No. 149.

(DOCKET No. 3,445, dated 8th December 1874.)
Copy of the above forwarded to the Government of India.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

Railway Department.

CONSULTING ENGINEER'S OFFICE.

No. 708

From

LIEUT.-COLONEL J. H. M. SHAW STEWART, R.E.,

Consulting Engineer for Railways,

To

COLONEL G. W. WALKER, R.E.,

Secretary to Government,

Public Works Department.

Fort Saint George.

SIR,

I have the honour to
enclose herewith, for transmission to
the Government of India, statements
A. B. C. and D showing the progress
made during the quarter ended
30 September 1874 on the construction
works of the Madras Railway, —
together with a brief descriptive
report by the Chief Engineer to
that Company.

Exd. E. C. Shunker.

A circular diagram illustrating the distribution of 100% across four categories. The categories and their respective percentages are: 'The company' (40%), 'The industry' (30%), 'The market' (20%), and 'The customer' (10%). The diagram is a circle divided into four segments, with the percentages written inside each segment.

Yours most obedt servt.

4-11-1A

1. 11/11/11
2. 11/11/11
3. 11/11/11

Brickwork
and
Masonry.

Large Bridges.
with M

Small Bridges.

Pallastin.

Permanent Way.

(b.) Passenger Buildings.
and Doubling the

(d.)

(9.)

10

10/10/17/4

Ph. 78 Dec/74
In B. N. 147.

General Report of work in Erecting and Building Locomotives and Rolling stock for
Quarter ending 30th September 1897.

	Number Sanctioned	Number Erected up to 31 March 1897	Number Erected during current year	Quantity 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	196 1	196							
Indies	106 1	106							
Shipping Carriages	4 1	4							
Salvage	2 1		2	2					
1 st class	15 1	15							
2 nd class	64 1	55	9	9					
3 rd class	181 1	181							
3 rd class with 3 rd class	30 1	30							
3 rd class Upper Standard Carriages	2 1	2							
Long class or Standard Carriages	40 1	40							
Composite Carriages	26 1	26							
Night Composite Carriages	12 1	12							
Double Saloon first class Night Carriages	4 1								
Engineer's Inspection Carriages with 3 rd class	1 1	1							
Standard Carriages	2 1	2							
Open Good Wagons	332 1	332							
Open Sided Light Wagons	185 1	185							
High Open Good Wagons	5 1	5							
Ballast Wagons	244 1	244							
Box	388 1	388							
Good	1 1	1							
Good with 3 rd class	35 1	35							
Good Good Wagons	22 1	22							
Good Good Trucks	48 1	48							
Trucks	30 1	30							
Flatbed	114 1	114							
Wagon	6 1	6							
Wagon	4 1	4							
Wagon	25 1	25							
Good Trucks	60 1	60							
Good Trucks	3 1	3							
Oil Stone	3 1	3							
Stone Boxes	50 1	50							
Travelling Wagon	4 1	4							
Wagon Springs									
Carriage and Wagon Springs									
Good Springs									
Steel									
Steel frame of									
Side of Good work Carriages									
Wagon									

Information required in these two columns to be afforded by Messrs. Shaw Brothers
in reply to the enclosed
27/10/97
Agent Messrs. Shaw Brothers
Messrs. Shaw Brothers
27/10/97

Gollarpett Station, Doubling the line between Veyyurpandy Junction and Perambore Station, Alterations & additions to Permanent Way New Central Station and Side ton Cram at the Goriathum Station.

North West Line.

Brickwork and masonry. This refers to the Protective Works to the Naggery Bridge and to the Naggery River Bank at Sattravay and the Dwelling Houses and Latrine for Native Firemen at Tripetty Station.

Small Bridges. This refers to the New Bridge at 237 Miles 9 1/2 I.P. and to the diversion Channel at 239 Ms. 11 1/2 I.P.

Large Bridges. This refers to the Bridges over the Cheyair and Naggery Rivers.

Permanent Way. This refers to the extension of Passenger Platform and alteration and additions to Permanent Way at Arcenum Station.

(b) Passenger Buildings. This includes the alterations and additions to Arcenum Station, extension of Passenger Platform and alterations & addition to Permanent Way at Arcenum, the Over Bridge at Raichore, and tying on planking under zinc sheeting front & back verandah roofs of Passenger Platform at Arcenum & Raichore Stations.

(c) Staff Quarters. This includes the Permanent Way Inspector's Bungalow at Arcenum, the Resident Engineer's Bungalow at Gooty, Single Engine Driver's Bungalow at Tripetty, Fuel Inspector's Bungalow at Kodur Station, Dwelling Houses & Latrine for Native Firemen at Gooty and Raichore Stations and the Station Master's Bungalow at Bellary Station.

(g) Small Items. This refers to the extension of Passenger Platform & alterations & additions to Permanent Way at Arcenum and additional water supply at Adoni Station.

13 5
Nilgerry Branch.

Same as report for quarter ending 31st Decr. 1872
to which must be added Engine shed and siding at
Mettapollium Station, Maintenance of Telegraph for
two years from Pothenore to Coimbatore and from
Coimbatore to Mettapollium, Horse Platform and
Carriage dock at Mettapollium Station, Lay-by
at Karamady Station and additions to 3rd class
Waiting Room at Coimbatore Station.

29 November, 1874.

Herfred Ancher.
Chief Engineer

Ed.

124. 2/8 Dec 174
L. B. N. 174
174/174

174

174

174

E. H. 1874-1875
Principal Clerk
28-7317
RAILWAY DEPARTMENT.

From
The Consulting Engineer
for Railways,
To
The Secretary to Government,
P. W. Department,
Fort Saint-George.

Dated 19th November 1874.
Recd. 27th
Encl. 11
No. 7082

Submitted by 1874
Johannesburg 1874
For the quarter ending
31st December 1874

W. H. 1874
Nathan Order

3444

Ordered that these statements be forwarded
to the Secy of India -
No 3444
1874
Conf. for
10/12/74.
1874
1874

Govt

PUBLIC WORKS.

To Mr. [unclear] for [unclear]

Dated

Recd.

See [unclear]

3444

3445

3446

3447

3448

at [unclear]

No. 149.

Madras Railway

See Report on the
construction works of
the Madras Railway
for the quarter ended
30 Sept 1874 on the
forwarded to the
[unclear]

Forwarding the Pro-
gress Report on the
construction works of
the Madras Railway for
the quarter ended
30 Sept 1874 -