M.R.O. 1—10,006—23-2-50.

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. 2563-64	Press Original
~~B.P. No.~~	Mis.
Dated 10 - 5 -	1874 195

Not to be folded or roughly handled

No. 192. Read the following letter from Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to Colonel C. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 21st August 1874, No. 501:—

I HAVE the honor to forward herewith, for transmission to the Government of India, statements A, B., C., and D., and a brief descriptive report by the Chief Engineer on the progress made during the second quarter of 1874 on the construction works of the Madras Railway.

Brief Descriptive Report submitted with Progress Report for quarter ending 30th June 1874.

SOUTH-WEST LINE.

Brickwork and Masonry.—Under this heading are included the new drain at the Royapooram terminus, the protective works for the Poiney, Goriattum and Palar Bridges, the shed over goods shed platform at Vellore Station, weight-bridge office at Arcot Station, block signallers' [illegible] at Royapooram, water-pandal at Jollarpett Station, constructing upper storey to station house and 3rd-class waiting-room and front verandah at Erode Station.

Large Bridges.—This refers to the bridge of 2-30 feet openings with wrought iron girders at 105 miles, 11 telegraph posts, and the bridge of 3-30 feet openings with wrought iron girders at 123 miles, 23 telegraph posts.

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

Ballasting.—[illegible]s to the additional sidings at the Jollarpett Station and doubling the line between Veysurpaudy Junction and Perambore Station.

Permanent-way.—This includes the additional sidings at the Jollarpett Station, alterations and additions to permanent way, new Central Station, doubling the line between Veysurpaudy Junction and Perambore Station, and renewing the line between Avenashy and Muddikerry and between Muddikerry and Paulghat with iron pot sleepers.

(*b.*) *Passenger Buildings.*—This refers to the Madras Central Station and doubling the line between Salt Cotaur and Madras Central Station.

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

(*g.*) *Small items.*—This refers to the additional sidings at the Jollarpett Station, weigh-bridge at the Arcot Station, doubling the line between Veysurpaudy Junction and Perambore Station, and alterations and additions to permanent-way, Madras Central Station.

NORTH-WEST LINE.

Brickwork and Masonry.—This refers to the protective works for the Naggery bridge and for the Naggery river bank at Sattravada.

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

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

Permanent-way.—This refers to the extension of passenger platform and alterations 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 additions to permanent-way at Arconum Station and the over-bridge at Raichore.

(*e.*) *Staff Quarters.*—This includes the Permanent-way Inspector's Bungalow at Arconum and the Resident Engineer's Bungalow at Ghooty Station.

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

NEILGHERRY BRANCH.

Same as report for quarter ending 31st December 1872, to which must be added engine-shed and siding at Mettapollium Station, maintenance of telegraph for two years from Pothanore to Coimbatore and from Coimbatore to Mettapollium, horse platform and carriage dock at the Mettapollium Station and lay-bye at Karamady Station.

11th August 1874.

(Signed) T. H. GOING,
Acting Chief Engineer,
1

MADRAS RAILWAY.

A.—General Progress Report of the South-West Line for quarter ending 30th June 1874.

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 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.
I.	Preliminary Exposes ...	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	...	...	...	...	...	...	...	...	.....	.....
II.	Land	.....	.....	.....	.....	...	...	...	...	...	...	...	...	.....	.....
III.	Construction of Line ...	3,54,165 0 0	91,002 0 0	14,467 0 0	24,977 0 0	14	2	2	...	...	...	...	...	.....	.....
	Earthwork. Cuttings and Embankment ...	.....	.....	.....	.....	...	...	...	...	...	...	...	...	.....	.....
	Earthwork. Rock Cutting ...	.....	.....	.....	.....	...	...	...	...	...	...	...	...	.....	.....
	Brickwork and Masonry ...	3,42,750 0 0	10,760 0 0	16,327 0 0	.....	10	1	9	...	...	...	...	...	30th Sept. 1875.	.....
	Small Bridges and Culverts ...	822 0 0	486 0 0	33 0 0	33,809 0 0	2	1	1	...	...	...	...	...	31st Dec. 1874.	.....
	Large Bridges (as per Statement B).	10,833 0 0	10,746 0 0	.....	468 0 0	...	...	2	...	...	...	...	...	30th June 1875.	.....
	Fencing	.....	.....	.....	.....	...	...	...	...	...	...	...	...	.....	.....
	Other Items... ...	.....	.....	.....	.....	...	...	...	...	...	...	...	...	.....	.....
IV.	Ballast and Permanent-way ...	5,752 0 0	2,23,548 0 0	1,403 0 0	8,573 0 0	Miles of track. 56 Miles 61¼ Chs.	29 Miles 44¼ Chs.	27 Miles 17 Chs.	...	...	...	...	...	.....	.....
	Ballast ... Collected	4,253 0 0	.....	1,182 0 0	3,216 0 0	1 Mile 44¼ Chs.	1 Mile 44¼ Chs.	...	...	...	...	...	...	Finished 31st Mar. 1874.	.....
	Ballast ... Spread ...														
	Rails ... Lifted	2,399 0 0	2,25,548 0 0	225 0 0	2,654 0 0	56 Miles 61¼ Chs	29 Miles 44¼ Chs.	27 Miles 17 Chs.	...	...	...	...	...	Unknown.	.....
	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)	4,33,716 0 0	3,40,233 0 0	2,771 0 0	6,20,171 0 0	7	3	4	...	...	...	...	...	.....	.....
	a. Platforms ...	.....	.....	.....	.....	...	...	...	...	...	...	...	...	.....	.....
	b. Passenger Buildings ...	6,59,558 0 0	3,36,309 0 0	2,969 0 0	6,18,233 0 0	2	...	2	...	...	...	...	...	Finished, 30th June 1874.	.....
	c. Goods Sheds ...	.....	.....	.....	.....	...	...	...	...	...	...	...	...	.....	.....
	d. Watering arrangements ...	1,800 0 0	3,003 0 0	.....	.....	1	...	1	...	...	...	...	...	31st March 1875.	.....
	e. Staff Quarters, by Rooms ...	.....	.....	.....	.....	...	...	...	...	...	...	...	...	.....	.....
	f. Engine Sheds ...	1,357 0 0	9,980 0 0	402 0 0	2,238 0 0	...	...	...	...	...	...	...	...	.....	.....
	g. Small Items ...	.....	.....	.....	.....	4	3	1	...	...	...	...	...	31st Dec. 1874.	.....
VI.	Telegraph	70,315 0 0	.....	11,690 0 0	61,546 0 0	...	...	...	...	...	...	...	...	.....	.....
VII.	Plant	.....	.....	.....	.....	...	...	...	...	...	...	...	...	.....	.....
VIII.	Rolling Stock (*vide* Statement D)	85,000 0 0	.....	10,676 0 0	10,676 0 0	...	...	...	...	...	...	...	...	.....	.....
IX.	Maintenance ...	.....	.....	.....	.....	...	...	...	...	...	...	...	...	.....	.....
X.	Establishment	.....	.....	.....	.....	...	...	...	...	...	...	...	...	.....	.....
XI.	Contingencies	.....	.....	.....	.....	...	...	...	...	...	...	...	...	.....	.....

11*th August* 1874.

(Signed) J. CRAMP,
for Chief Auditor.

(Signed) F. P. QUINLAN,
Offg. Exr. of Railway Accounts.

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

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

B.—Progress Report of large Bridges on the South-West Line for the quarter ending 30th June 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 ... ...*	*West end.*—From opening No. 2 to opening No. 6, the wells are in various stages of progress, averaging from 6 to 11 feet in depth. The trial wells in every fifth opening along the bridge have been sunk two segments or 12 feet below bed of river. *At the east end* well sinking has been commenced in the first five openings south side. These have gone down about 6 feet below bed of river. Probable date of completion, 30th September 1875.				
Protective works for the Goriattum Bridge— *a. Per-centage done ... ...* *b. Date of completion ... ...*	Work has been going on slowly at this bridge owing to continual annoyance from rain and floods. On each side wells are now complete up to 4th pier, and curtain walls over those wells are in progress. Probable date of completion, 30th September 1875.				
Protective works for the Palar Bridge— *a. Per-centage done ... ...* *b. Date of completion... ... ...*	*East end.*—At pier No. 7 well sinking commenced for foundations of south or "down stream" curtain walls; at pier No. 5 well sinking commenced for foundations of north or "up stream" curtain wall. *West end* at pier No. 15 (or 4th pier from west abutment) well sinking commenced for foundations of north or "up steam" curtain wall. 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 three 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.

11th August 1874.

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

C.—Progress Report of Stations on the S. W. Line for quarter ending 30th June 1874.

Names of Stations.	Platform. a.	Passenger Buildings. a.	Goods Shed. a.	Watering arrangements. d.	Staff Quarters (by a. rooms).	Engine Sheds.	Small Items. a.
New drain at Egmoor Terminus— a. Per-centage done ... b. Date of completion.	...	...	Nearly Complete.	...	...	...	...
Block Signalling. Date of completion.	...	...	30th September 1874.	...	...	...	...
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 Cotaur and new Carriage 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 at the new Central Station— a. Per-centage done ... b. Date of completion.	...	...	In progress. 31st December 1874.	...	...	...	...
Doubling the line between Veyasarpauty Junction and Perambore Station— a. Per-centage done ... b. Date of completion.	...	...	Finished. 31st December 1873.	...	...	...	...
Weigh Bridge Office at Arcot Station— a. Per-centage done ... b. Date of completion.	...	...	Finished. 31st March 1874.	...	...	...	...
Weigh Bridge at the Arcot Station— a. Per-centage done ... b. Date of completion.	...	...	Finished. 31st March 1874.	...	...	...	...
Shed over goods shed platform at Vellore Station— a. Per-centage done ... b. Date of completion.	...	...	Almost finished. 30th September 1874.	...	...	...	...
Additional Sidings at the Jollarpett Station— a. Per-centage done ... b. Date of completion.	...	...	Finished. 31st March 1874.	...	...	...	...
Water-pandal at Jollarpett Station— a. Per-centage done ... b. Date of completion.	...	...	In progress. 31st December 1874.	...	...	...	...
Constructing upper storey to Station-house at Erode— a. Per-centage done ... b. Date of completion.	...	...	In progress. 30th June 1875	...	...	...	...
Third-class waiting-room and front verandah at Erode— a. Per-centage done ... b. Date of completion	...	...	In progress. 31st March 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.
N. B.—Under general remarks any details should be given that cannot conveniently be tabulated, such as progress in fixing station machinery, signals, etc.

11th August 1874.

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

Proceedings of the Madras Government,

Public Works Department, 10th September 1874.

General Progress Report of the South-West Line for quarter ending 30th June 1874.

Reference to Details 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 ...	.....	.....	.....	.....
	Earthwork ... Cuttings and Embankment	4,94,117 0 0	6,97,831 0 0	32,027 0 0	[illegible] 0 0
	Earthwork ... Rock Cutting	.....	.....	.....	.....
	Brickwork and Masonry ...	57,110 0 0	1,023 0 0	329 0 0	345 0 0
	Small Bridges and Culverts	6,129 0 0	198 0 0	1,590 0 0	1,754 0 0
	Large Bridges (as per Statement B.)	4,20,878 0 0	6,86,110 0 0	36,108 0 0	2,93,047 0 0
	Fencing ...	.....	.....	.....	.....
	Other Items ...	.....	.....	.....	.....
IV.	Ballast and Permanent-way	.....	.....	.....	.....
	Ballast ... Collected	43 0 0	[illegible] 0 0	.....	.....
	Ballast ... Spread ...	.....	.....	.....	.....
	Rails ... Lifted ...	.....	.....	.....	.....
	Rails ... Lanked in	48 0 0	3,943 0 0	.....	.....
	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) ...	27,[illegible] 0 0	[illegible] 0 0	5,[illegible] 0 0	25,[illegible] 0 0
	a. Platforms ...	.....	.....	.....	.....
	b. Passenger Buildings ...	14,253 0 0	4,509 0 0	1,211 0 0	11,364 0 0
	c. Goods Sheds ...	.....	.....	.....	.....
	d. Watering arrangements ...	10,357 0 0	.....	.....	.....
	e. Staff Quarters, by rooms ...	.....	.....	.....	.....
	f. Engine Sheds ...	1,076 0 0	1,716 0 0	3,729 0 0	8,854 0 0
	g. Small Items ...	.....	.....	.....	.....
VI.	Telegraph	.....	.....	369 0 0	369 0 0
VII.	Plant	.....	.....	.....	.....
VIII.	Rolling Stock (*vide* Statement D) ...	.....	.....	.....	.....
IX.	Maintenance ...	.....	.....	.....	.....
X.	Establishment ...	.....	.....	.....	.....
XI.	Contingencies ...	.....	.....	.....	.....

11th August 1874.

(Signed) J. CRAMP,
for *Chief Auditor.*

(Signed) F. P. QUINLAN,
Offg. Exr. of Railway Accounts.

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.
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
2	...	2	...	...	...	...	...	30th Sept. 1875.	.....	
2	...	2	...	...	...	...	...	31st Dec. 1874.	.....	
2	...	2	...	...	...	...	...	30th June 1877.	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	11 Chs.	...	...	...	...	...	...	.....	
11 Chs.	...	11 Chs.	...	...	...	...	...	31st Dec. 1874.	.....	
...	...	...	...	...	...	...	...	...	.....	
7	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
3	...	3	...	...	...	...	...	31st Dec. 1874.	.....	
...	...	...	...	...	...	...	...	...	.....	
2	...	2	...	...	...	...	...	30th Sept. 1874.	.....	
...	...	...	...	...	...	...	...	31st Dec 1874.	.....	
2	...	2	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	
...	...	...	...	...	...	...	...	...	.....	

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

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

B.—Progress Report of large Bridges on the North-West Line for the quarter ending 30th June 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	Masonry in curtain walls in first opening east side, finished.			Well sinking will	
b. Date of completion	.....	Probable date of completion, 30th September 1875.		.....	
Cheyaur Bridge—					
a. *Per-centage done*	*100	*99 Two abutments and 13 piers up to girder level. Cylinder piers 14 to 45 are in progress, and 2,736 lineal feet sunk.	.....	Earthwork in approaches and 3 feet culvert finished.	* These figures refer to the masonry portion only.
b. Date of completion	Finished ...	30th June 1877 ...	30th June 1877.	... .	
Huggry bridge—					
a. *Per-centage done*	.....	*Probably 30 per cent.* of all work is done.		.....	
b. *Date of completion*	.....	*1st December 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.*

11th August 1874.

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

C.—Progress Report of Stations on the North-West Line for the quarter ending 30th June 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.
Permanent-way Inspector's Bungalow at Arconum—								
a. Per-centage done	.....	.....	Finished.	.....	.....	...	...	
b. Date of completion	.....	.....	30th June 1874.	.....	.....	...	...	
Alterations and additions to Arconum Station—								
a. Per-centage done	.....	.....	Finished.	.....	.....	...	...	
b. Date of completion	.....	.....	30th June 1874.	.....	.....	...	...	
Extension of passengers' platform and alterations to Permanent-way at Arconum Station—								
a. Per-centage done	.. ...	.....	In progress.	.....	.....	...	...	
b. Date of completion	.....	.....	31st Dec. 1874.	.....	.....	...	...	
Resident Engineer's Bungalow at Ghooty—								
a. Per-centage done	.....	.....	Almost finished.	.....	.....	...	...	
b. Date of completion	.....	.....	30th Sept. 1874.	.....	.....	...	...	
Additional water-supply at Adoni Station—								
a. Per-centage done	.....	.....	In progress.	.....	.....	...	...	
b. Date of completion	.....	.....	31st Dec. 1874.	.....	.....	...	...	
Over Bridge at Raichore—								
a. Per-centage done	.....	.....	In progress.	.....	.....	...	...	
b. Date of completion	.....	.....	31st Dec. 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 machinery, signals, etc.

11th August 1874.

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

Proceedings of the Madras Government, Public Works Department, 10th September 1874.

Proceedings of the Madras Government,

Public Works Department, 10th September 1874.

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

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.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
I.	Preliminary Expenses ...	.....	.....	.....	10,944 0 0
II.	Land ...	.....	.....	.....	.....
III.	Construction of Line ...	[illegible]	[illegible]	.....	[illegible]
	Earthwork { Cuttings and Embankment ...	.....	.....	.....	.....
	Earthwork { Rock Cutting ...	2,26,452 0 0	.....	.....	.....
	Small Bridges and Culverts ...	2,07,898 0 0	22,066 0 0	.....	2,07,359 0 0
	Large Bridges (as per Statement B).	1,33,237 0 0	1,00,515 0 0	.....	1,89,269 0 0
	Fencing	36,427 0 0	.....	.....	95,162 0 0
	Other Items ...	1,24,547 0 0	.....	.....	19,612 0 0
IV.	Ballast and Permanent-way ...	[illegible]	[illegible]	.....	72,406 [illegible]
	Ballast ... { Collected ...	} 72,079 0 0	.....	.....	[illegible]
	Ballast ... { Spread ...				
	Rails ... { Lifted ...				59,162 0 0
	Rails ... { Linked in				
	Rails ... { In Depôt				
	Sleepers ... Lifted ... { Iron ...				
	Sleepers ... Lifted ... { Wood ...	2,06,049 0 0	6,73,656 0 0	.....	[illegible]
	Sleepers ... Laid ... { Iron ...				
	Sleepers ... Laid ... { Wood ...				
	Sleepers ... In Depôt, { Iron ...				
	Sleepers ... In Depôt, { Wood ...				
V.	Stations and Buildings (as per Statement C)	[illegible]	[illegible]	[illegible]	[illegible]
	a. Platforms ...	29,731 0 0	4,014 0 0	1,940 0 0	21,607 0 0
	b. Passenger Buildings ...	30,633 0 0	2,530 0 0	.....	46,216 0 0
	c. Goods Sheds ...	31,069 0 0	11,084 0 0	.....	20,017 0 0
	d. Watering arrangements ...	6,746 0 0	2,755 0 0	.....	3,239 0 0
	e. Staff Quarters, by Rooms ...	12,923 0 0	.....	1,145 0 0	8,686 0 0
	f. Engine Sheds ...	2,886 0 0	1,180 0 0	.....	1,849 0 0
	g. Small Items ...	71,411 0 0	99,325 0 0	.....	21,497 0 0
VI.	Telegraph	1,723 0 0	1,998 0 0	78 0 0	165 0 0
VII.	Plant	1,639 0 0	.....	.....	1 0 0
VIII.	Rolling Stock (*vide* Statement D) ...	.....	.....	.....	.....
IX.	Maintenance ...	82,789 0 0	.....	3,516 0 0	21,946 0 0
X.	Establishment	.....	.....	.....	.....
XI.	Contingencies	.....	.....	.....	.....

11*th August* 1874.

(Signed) J. CRAMP,
For *Chief Auditor.*

(Signed) F. P. QUINLAN,
Offg. Exr. of Railway Accounts.

Line for quarter ending 30th June 1874.

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 yards.	Quantities, Permanent-way. Arrived in quarter.	Probable date. Of completion.	Probable date. By which the Permanent-way could be laid if urgently required.
...	...	...	C YDS. ...	C YDS. ...	C. YDS. ...	...	...		.....
...	...	...	...	...	...	...	...		.....
...	...	...	...	...	...	...	...		.....
			[illegible]	[illegible]	[illegible]				
Miles of track.									
...	...	...	...	...	...	...	...		.....
25·09	25·09	...	8,23,264	25,168	8,26,473	...	...		.....
No. 100	No. 100	...	...	...	...	...	...		.....
8	8	...	...	...	...	...	...		.....
Miles.	Miles.								
50·18	50·18	...	...	...	...	...	...		.....
No.	No.								
6	6	...	...	...	...	...	...		.....
Miles of track.									
...	...	...	...	...	...	...	...		.....
25·17	25·17	...	...	...	...	...	...		.....
						19,086			
25·17	25·17	...	...	...	...	118,927	...	Opened for traffic on 1st September 1873. Horse platform and carriage dock at the Metupollium Station finished 30th June 1874, and lay bye at Karamady Station finished 31st July 1874.	.....
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
7	7	...	...	...	...	...	...	1st Sept. 1873.	.....
4	4	...	...	...	...	...	...	30th June 1874 and 31st July 1874.	.....
2	2	...	...	...	...	...	...		.....
2	2	...	...	...	...	...	...	1st Sept. 1873	.....
3	3	...	...	...	...	...	...		.....
1	1	...	...	...	...	...	...	30th June 1874.	.....
6	6	...	...	...	...	...	...	1st Sept. 1873 and 31st July 1874.	.....
...	...	...	...	...	...	...	...		.....
...	...	...	...	...	...	...	...		.....
...	...	...	...	...	...	...	...		.....
...	...	...	...	...	...	...	...		.....
...	...	...	...	...	...	...	...		.....

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

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

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

Nil.

C.—Progress Report of Stations on the Neilgherry Branch Line for the quarter ending 30th June 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.
Engine-shed and siding at the Mettapollium Station—							
a. Per-centage done	.....	.....	.....	Finished ...	.....		.....
b. Date of completion	.....	.....	.....	30th June 1874 ...	.....	.....	.....
Horse platform and carriage dock at the Mettapollium Station—							
a. Per-centage done	.....	.....	.....	Finished ...	.....	.....	.....
b. Date of completion	.....	.....	.....	30th June 1874 ...	.....	.....	.....
Lay-bye at Karamady Station—							
a. Per-centage done	.....	.....	.....	Finished ...	.....	.....	.....
b. Date of completion	.....	.....	.....	31st July 1874 ...	.....	.....	.....

a. This refers to the approximate per-centage of the whole work done at 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) T. H. GOING,
Acting Chief Engineer.

11th August 1874.

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

	Number sanctioned.	Number erected up to 31st March 1874.	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 Shed during quarter.	Arrived at Port during quarter.*	Balance to arrive in Port.*	Remarks.
Locomotives	126	126	.....	.....	.....	.....	.....	.....	
Tenders	106	106	.....	.....	.....	.....	.....	.....	
Sleeping carriages	4	4	.....	.....	...	.....	.....	.....	
Saloon do.	2	.....	.....	.....	2	.....	.....	.....	
First-class do.	15	15	.....	.....	.....	.....	.....	.....	
Second-class do.	64	55	.....	.....	9	.....	.....	.....	
Third class do.	181	181	.....	.....	.....	.....	.....	.....	
Do. do. do. with brakes ...	30	30	.....	.....	.....	.....	.....	.....	
Cooly-class or covered carriages ...	40	40	.....	.....	.....	.....	.....	.....	
Third do. upper-storied	2	2	.....	.....	.....	.....	.....	.....	
Composite carriages	26	26	.....	.....	.....	.....	.....	.....	
Night composite carriages	12	12	.....	.....	.....	.....	.....	.....	
Double Saloon, 1st Class Night carriages.	4	.....	4	4	.....	.....	.....	.....	
Engineer's inspection carriage with brake.	1	1	.....	.....	.....	.....	.....	.....	
Invalid carriages...	2	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	30	30	.....	.....	.....	.....	.....	.....	
Carriage trucks	144	†144	.....	.....	.....	.....	.....	.....	†114 Single bolster timber trucks
Timber trucks	6	6	.....	.....	.....	.....	.....	.....	30 do. do.
Platform trucks	4	4	.....	.....	.....	.....	.....	.....	
Water trucks	25	25	.....	.....	.....	.....	.....	.....	
Passenger luggage vans	60	60	.....	.....	.....	.....	.....	.....	
Goods brake vans	8	8	.....	.....	.....	.....	.....	.....	
Gun-powder vans	3	3	.....	.....	.....	.....	.....	.....	
Oil-store vans	50	50	.....	.....	.....	.....	.....	.....	
Horse-boxes	4	4	.....	.....	.....	.....	.....	.....	
Travelling cranes	.....	.....	.....	.....	.....	.....	.....	.....	
Buffer springs	.....	.....	.....	.....	.....	.....	.....	.....	
Carriage and wagon springs ...	.....	.....	.....	.....	.....	.....	.....	.....	
Draw springs	.....	.....	.....	.....	.....	.....	.....	.....	
Axles	.....	.....	.....	.....	.....	.....	16	.....	
Wheels, pairs of	.....	.....	.....	.....	.....	10 pairs.	.....	.....	
Sets of iron-work carriages ...	.....	.....	.....	.....	.....	.....	.....	.....	
Do. do. wagons	.....	.....	.....	.....	.....	.....	.....	.....	
Total...	8,650	8,635	4	4	11	10 pairs.	.....	.....	

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

11th August 1874.

Certified as to number sanctioned and number erected.

(Signed) J. CRAMP,
for *Chief Auditor.*

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

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

Proceedings of the Madras Government, Public Works Department,
10th September 1874.

No. 193. ORDER THEREON, 10th September 1874, No. 2,563.

RAILWAY, No. 23.

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

(True Extract.)

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

No. 194. (DOCKET No. 2,564, dated 10th September 1874.)
COPY of the above forwarded to the Government of India.
(True Extract.)

Colonel, R.E.,
Secretary to Government.

Brief descriptive report submitted with Progress Report for quarter ending 30th June 1874.

South West Line.

Brickwork and Masonry. Under this heading are included: the New Drain at the Royapooram Terminus, the Protective Works for the Pooney, Coriathum & Palar Bridges, the Shed over Goods Shed Platform at Vellore Station, Neigh-bridge office at Arcot Station, Block Signallers' Office at Royapooram, Water Pandal at Jollarpett Station, Constructing Upper Story to Station House, and 3rd Class Waiting Room & front Verandah at Erode Station.

Large Bridges. This refers to the Bridge of 2-30ft. Openings with Wrought Iron Girders at 105 Ms. 11 F.P. and the Bridge of 3-30ft. Openings with W. I. Girders at 123 Ms. 23. F. Port.

Small Bridges. This refers to Doubling the line between Veyasurpandy Junction and Perambore Station, and Alterations and additions to Permanent Way New Central Station.

Ballasting. This refers to the additional sidings at the Jollarpett Station and Doubling the line between Veyasurpandy Junction and Perambore Station.

Permanent Way. This includes the additional sidings at the Jollarpett Station, Alterations & additions to Permanent Way New Central Station, Doubling the line between Veyasurpandy Junction & Perambore Station and renewing the line between Avenashy & Muddikerry & between Muddikerry & Paulghat with Iron Cot Sleepers.

(b) Passenger Buildings. This refers to the Madras Central Station and doubling the line between Salt Cotaur & Madras Central Station.

(d) Watering Arrangements. This refers to the Watering Arrangements at the Madras Central Station.

(g) Small items. This refers to the additional sidings at the Jollarpett Station, Neigh-bridge at the Arcot Station, Doubling the line between Veyasurpandy Junction & Perambore

Station and Alterations and Additions & Permanent Way Madras Central Station.

North West Line.

Brickwork and Masonry } This refers to the Protective Works for the Naggery Bridge and for the Naggery River Bank at Saltaravada.

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

Small Bridges and Culverts. } This refers to the new Bridge at 214 Miles 9½ Lds. Post and to the diversion of Channel at 229 Ms. 11 Jds. Post.

Permanent Way. This refers to the Extension of Passenger Platform and Alterations & 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 & additions to Permanent Way at Arconum Station and the Over-bridge at Raichore.

(c) Staff Quarters. This includes the Permanent Way Inspectors Bungalow at Arconum and the Resident Engineers Bungalow at Ooty Station.

(g) Small items. This refers to the Extension of Passenger Platform and Alterations & Additions to Permanent Way at Arconum Station & additional Water Supply at the Adoni Station.

Nilgherry Branch.

Same as Report for quarter ending 31st Decr. 1872 to which must be added Engine Shed & Siding at Metapollium Station, Maintenance of Telegraph for two years from Pollachee to Coimbatore & from Coimbatore to Metapollium, Horse Platform & Carriage Dock at the Metapollium Station and Lay-bye at Karamady Station.

11th August 1874.

Ag: Chief Engineer

P. W. 5263/74
2
Pg. 7 Sept 74
Ins B No 192

D

Allowed

Annual Progress Report of Mechanical Department for Quarter ending 30th June 1874.

Allowed

	Number in Traffic	Number in Traffic	Number Condemned during Quarter	Number Condemned during Quarter	Number Broken up during Quarter	Number Broken up during Quarter	Number Sold during Quarter	Number Sold during Quarter	Number Destroyed by Accident during Quarter	Number Destroyed by Accident during Quarter	Number Rebuilt during Quarter	Number Rebuilt during Quarter	Number Altered during Quarter	Number Altered during Quarter	Remarks
Locomotives	126	126													
Tenders	106	106													
Sleeping Carriages	4	4													
Saloons "	2	"											2		
1st Class "	13	13													
2nd Class "	64	53											9		
3rd Class "	181	181													
4th Class " & Break	30	30													
Composite Covered Carriages	40	40													
3rd Class Open Stores	2	2													
Composite Carriages	26	26													
Night Composite Carriages	12	12													
Double Saloon 1st Class Night Carriages	1	"													
Engineers Inspection Carriage with Break	1	1			4		4								
Invalid Carriages	2	2													
Open Goods Waggons															
Open Sided Goods Waggons	332	332													
High Sided Open Goods Waggons	1857	1857													
High Sided Open Goods "	0	0													
Ballast "	244	244													
Coke "	388	388													
Wood "	7	7													
Cattle "	35	35													
Road Waggons with Brake	22	22													
Covered Goods Waggons	45	45													
Carriage Trucks	30	30													
Timber "	144	144													
Platform "	6	6													
Mixed "	4	4													
Passenger Luggage Vans	25	25													
Goods Brake "	6	6													
Gun Powder "	3	3													
Oil Store "	3	3													
Horse Boxes	50	50													
Travelling Cranes	4	4													
Bulger Springs															
Carriage and Waggon Springs															
Dogcart Springs															
Axles															
Wheels pairs of													10 Pairs		
Sets of Iron Work Carriages															
" to " to Waggons															
	3650	3635	4.	4	11.	10 Pairs									

114 Single Bogie Timber Trucks
30 Bunkle " "

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

Certified as to Number & Condition of Wheels mentioned

Schedule referred to in Superintendent's Letter No. 1.

P.G. Dio Sept 1/74
in B No 192
P.W. 5263/74
1
G.O. 2563 & 2564
10-9-74

Railway Department. CONSULTING ENGINEER'S OFFICE.

No. 501

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 forward herewith, for transmission to the Government of India, statements A, B, C and D and a brief descriptive report by the Chief Engineer on the progress made during the second quarter of 1874 on the construction works of the Madras Railway.

I have the honour to be
Sir
Your most obedient servant

Madras
21st August
1874

W. Walker Lieut., R.E.,
for Consg. Engineer for Railways

P. W. 1874 Dept
Fort St George
No: 3263

RAILWAY DEPARTMENT.

From
The Consulting Engineer
for Railways,

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

Dated 21 August 1874.
Recd. 22

G. O. No. 501

Submitting Reports
& Progress Made
during the second
quarter of 1874 on
Construction works
& the Tunnel

I have the honor to forward herewith for the information of Government a Report and Progress Map of the Railway under construction from Madras to Arconum, for the second quarter of 1874.

2. The Report is divided into the following heads:

1. Progress of Earthwork.
2. Progress of Bridges.
3. Progress of Tunnel.
4. Progress of Permanent Way.
5. Progress of Buildings.
6. Progress of Stations.
7. Progress of Water Supply.
8. Progress of Telegraph.
9. Progress of Ballasting.
10. Progress of Fencing.
11. Progress of Gauging.
12. Progress of Signals.
13. Progress of Points & Crossings.
14. Progress of Turntables.
15. Progress of Platelayers' Huts.
16. Progress of Gangers' Huts.
17. Progress of Gatekeepers' Huts.
18. Progress of Watchmen's Huts.
19. Progress of Goods Sheds.
20. Progress of Cattle Sheds.
21. Progress of Workshops.
22. Progress of Engine Sheds.
23. Progress of Carriage Sheds.
24. Progress of Water Cranes.
25. Progress of Coaling Stages.
26. Progress of Ash Pits.
27. Progress of Pumping Engines.
28. Progress of Weighing Machines.
29. Progress of Carriage Turntables.
30. Progress of Carriage Shops.
31. Progress of Engine Shops.
32. Progress of Smiths' Shops.
33. Progress of Foundry.
34. Progress of Boiler Shops.
35. Progress of Saw Mills.
36. Progress of Store Houses.
37. Progress of Quarters for Officers.
38. Progress of Quarters for Subordinates.
39. Progress of Quarters for Native Establishment.
40. Progress of Hospitals.
41. Progress of Dispensaries.
42. Progress of Schools.
43. Progress of Police Stations.
44. Progress of Post Offices.
45. Progress of Telegraph Offices.
46. Progress of Toll Houses.
47. Progress of Ferry Boats.
48. Progress of Ferry Piers.
49. Progress of Ferry Sheds.
50. Progress of Ferry Huts.
51. Progress of Ferry Gates.
52. Progress of Ferry Fences.
53. Progress of Ferry Roads.
54. Progress of Ferry Bridges.
55. Progress of Ferry Culverts.
56. Progress of Ferry Drains.
57. Progress of Ferry Embankments.
58. Progress of Ferry Cuttings.
59. Progress of Ferry Tunnels.
60. Progress of Ferry Permanent Way.
61. Progress of Ferry Buildings.
62. Progress of Ferry Stations.
63. Progress of Ferry Water Supply.
64. Progress of Ferry Telegraph.
65. Progress of Ferry Ballasting.
66. Progress of Ferry Fencing.
67. Progress of Ferry Gauging.
68. Progress of Ferry Signals.
69. Progress of Ferry Points & Crossings.
70. Progress of Ferry Turntables.
71. Progress of Ferry Platelayers' Huts.
72. Progress of Ferry Gangers' Huts.
73. Progress of Ferry Gatekeepers' Huts.
74. Progress of Ferry Watchmen's Huts.
75. Progress of Ferry Goods Sheds.
76. Progress of Ferry Cattle Sheds.
77. Progress of Ferry Workshops.
78. Progress of Ferry Engine Sheds.
79. Progress of Ferry Carriage Sheds.
80. Progress of Ferry Water Cranes.
81. Progress of Ferry Coaling Stages.
82. Progress of Ferry Ash Pits.
83. Progress of Ferry Pumping Engines.
84. Progress of Ferry Weighing Machines.
85. Progress of Ferry Carriage Turntables.
86. Progress of Ferry Carriage Shops.
87. Progress of Ferry Engine Shops.
88. Progress of Ferry Smiths' Shops.
89. Progress of Ferry Foundry.
90. Progress of Ferry Boiler Shops.
91. Progress of Ferry Saw Mills.
92. Progress of Ferry Store Houses.
93. Progress of Ferry Quarters for Officers.
94. Progress of Ferry Quarters for Subordinates.
95. Progress of Ferry Quarters for Native Establishment.
96. Progress of Ferry Hospitals.
97. Progress of Ferry Dispensaries.
98. Progress of Ferry Schools.
99. Progress of Ferry Police Stations.
100. Progress of Ferry Post Offices.
101. Progress of Ferry Telegraph Offices.
102. Progress of Ferry Toll Houses.
103. Progress of Ferry Ferry Boats.
104. Progress of Ferry Ferry Piers.
105. Progress of Ferry Ferry Sheds.
106. Progress of Ferry Ferry Huts.
107. Progress of Ferry Ferry Gates.
108. Progress of Ferry Ferry Fences.
109. Progress of Ferry Ferry Roads.
110. Progress of Ferry Ferry Bridges.
111. Progress of Ferry Ferry Culverts.
112. Progress of Ferry Ferry Drains.
113. Progress of Ferry Ferry Embankments.
114. Progress of Ferry Ferry Cuttings.
115. Progress of Ferry Ferry Tunnels.
116. Progress of Ferry Ferry Permanent Way.
117. Progress of Ferry Ferry Buildings.
118. Progress of Ferry Ferry Stations.
119. Progress of Ferry Ferry Water Supply.
120. Progress of Ferry Ferry Telegraph.
121. Progress of Ferry Ferry Ballasting.
122. Progress of Ferry Ferry Fencing.
123. Progress of Ferry Ferry Gauging.
124. Progress of Ferry Ferry Signals.
125. Progress of Ferry Ferry Points & Crossings.
126. Progress of Ferry Ferry Turntables.
127. Progress of Ferry Ferry Platelayers' Huts.
128. Progress of Ferry Ferry Gangers' Huts.
129. Progress of Ferry Ferry Gatekeepers' Huts.
130. Progress of Ferry Ferry Watchmen's Huts.
131. Progress of Ferry Ferry Goods Sheds.
132. Progress of Ferry Ferry Cattle Sheds.
133. Progress of Ferry Ferry Workshops.
134. Progress of Ferry Ferry Engine Sheds.
135. Progress of Ferry Ferry Carriage Sheds.
136. Progress of Ferry Ferry Water Cranes.
137. Progress of Ferry Ferry Coaling Stages.
138. Progress of Ferry Ferry Ash Pits.
139. Progress of Ferry Ferry Pumping Engines.
140. Progress of Ferry Ferry Weighing Machines.
141. Progress of Ferry Ferry Carriage Turntables.
142. Progress of Ferry Ferry Carriage Shops.
143. Progress of Ferry Ferry Engine Shops.
144. Progress of Ferry Ferry Smiths' Shops.
145. Progress of Ferry Ferry Foundry.
146. Progress of Ferry Ferry Boiler Shops.
147. Progress of Ferry Ferry Saw Mills.
148. Progress of Ferry Ferry Store Houses.
149. Progress of Ferry Ferry Quarters for Officers.
150. Progress of Ferry Ferry Quarters for Subordinates.
151. Progress of Ferry Ferry Quarters for Native Establishment.
152. Progress of Ferry Ferry Hospitals.
153. Progress of Ferry Ferry Dispensaries.
154. Progress of Ferry Ferry Schools.
155. Progress of Ferry Ferry Police Stations.
156. Progress of Ferry Ferry Post Offices.
157. Progress of Ferry Ferry Telegraph Offices.
158. Progress of Ferry Ferry Toll Houses.
159. Progress of Ferry Ferry Ferry Boats.
160. Progress of Ferry Ferry Ferry Piers.
161. Progress of Ferry Ferry Ferry Sheds.
162. Progress of Ferry Ferry Ferry Huts.
163. Progress of Ferry Ferry Ferry Gates.
164. Progress of Ferry Ferry Ferry Fences.
165. Progress of Ferry Ferry Ferry Roads.
166. Progress of Ferry Ferry Ferry Bridges.
167. Progress of Ferry Ferry Ferry Culverts.
168. Progress of Ferry Ferry Ferry Drains.
169. Progress of Ferry Ferry Ferry Embankments.
170. Progress of Ferry Ferry Ferry Cuttings.
171. Progress of Ferry Ferry Ferry Tunnels.
172. Progress of Ferry Ferry Ferry Permanent Way.
173. Progress of Ferry Ferry Ferry Buildings.
174. Progress of Ferry Ferry Ferry Stations.
175. Progress of Ferry Ferry Ferry Water Supply.
176. Progress of Ferry Ferry Ferry Telegraph.
177. Progress of Ferry Ferry Ferry Ballasting.
178. Progress of Ferry Ferry Ferry Fencing.
179. Progress of Ferry Ferry Ferry Gauging.
180. Progress of Ferry Ferry Ferry Signals.
181. Progress of Ferry Ferry Ferry Points & Crossings.
182. Progress of Ferry Ferry Ferry Turntables.
183. Progress of Ferry Ferry Ferry Platelayers' Huts.
184. Progress of Ferry Ferry Ferry Gangers' Huts.
185. Progress of Ferry Ferry Ferry Gatekeepers' Huts.
186. Progress of Ferry Ferry Ferry Watchmen's Huts.
187. Progress of Ferry Ferry Ferry Goods Sheds.
188. Progress of Ferry Ferry Ferry Cattle Sheds.
189. Progress of Ferry Ferry Ferry Workshops.
190. Progress of Ferry Ferry Ferry Engine Sheds.
191. Progress of Ferry Ferry Ferry Carriage Sheds.
192. Progress of Ferry Ferry Ferry Water Cranes.
193. Progress of Ferry Ferry Ferry Coaling Stages.
194. Progress of Ferry Ferry Ferry Ash Pits.
195. Progress of Ferry Ferry Ferry Pumping Engines.
196. Progress of Ferry Ferry Ferry Weighing Machines.
197. Progress of Ferry Ferry Ferry Carriage Turntables.
198. Progress of Ferry Ferry Ferry Carriage Shops.
199. Progress of Ferry Ferry Ferry Engine Shops.
200. Progress of Ferry Ferry Ferry Smiths' Shops.
201. Progress of Ferry Ferry Ferry Foundry.
202. Progress of Ferry Ferry Ferry Boiler Shops.
203. Progress of Ferry Ferry Ferry Saw Mills.
204. Progress of Ferry Ferry Ferry Store Houses.
205. Progress of Ferry Ferry Ferry Quarters for Officers.
206. Progress of Ferry Ferry Ferry Quarters for Subordinates.
207. Progress of Ferry Ferry Ferry Quarters for Native Establishment.
208. Progress of Ferry Ferry Ferry Hospitals.
209. Progress of Ferry Ferry Ferry Dispensaries.
210. Progress of Ferry Ferry Ferry Schools.
211. Progress of Ferry Ferry Ferry Police Stations.
212. Progress of Ferry Ferry Ferry Post Offices.
213. Progress of Ferry Ferry Ferry Telegraph Offices.
214. Progress of Ferry Ferry Ferry Toll Houses.
215. Progress of Ferry Ferry Ferry Ferry Boats.
216. Progress of Ferry Ferry Ferry Ferry Piers.
217. Progress of Ferry Ferry Ferry Ferry Sheds.
218. Progress of Ferry Ferry Ferry Ferry Huts.
219. Progress of Ferry Ferry Ferry Ferry Gates.
220. Progress of Ferry Ferry Ferry Ferry Fences.
221. Progress of Ferry Ferry Ferry Ferry Roads.
222. Progress of Ferry Ferry Ferry Ferry Bridges.
223. Progress of Ferry Ferry Ferry Ferry Culverts.
224. Progress of Ferry Ferry Ferry Ferry Drains.
225. Progress of Ferry Ferry Ferry Ferry Embankments.
226. Progress of Ferry Ferry Ferry Ferry Cuttings.
227. Progress of Ferry Ferry Ferry Ferry Tunnels.
228. Progress of Ferry Ferry Ferry Ferry Permanent Way.
229. Progress of Ferry Ferry Ferry Ferry Buildings.
230. Progress of Ferry Ferry Ferry Ferry Stations.
231. Progress of Ferry Ferry Ferry Ferry Water Supply.
232. Progress of Ferry Ferry Ferry Ferry Telegraph.
233. Progress of Ferry Ferry Ferry Ferry Ballasting.
234. Progress of Ferry Ferry Ferry Ferry Fencing.
235. Progress of Ferry Ferry Ferry Ferry Gauging.
236. Progress of Ferry Ferry Ferry Ferry Signals.
237. Progress of Ferry Ferry Ferry Ferry Points & Crossings.
238. Progress of Ferry Ferry Ferry Ferry Turntables.
239. Progress of Ferry Ferry Ferry Ferry Platelayers' Huts.
240. Progress of Ferry Ferry Ferry Ferry Gangers' Huts.
241. Progress of Ferry Ferry Ferry Ferry Gatekeepers' Huts.
242. Progress of Ferry Ferry Ferry Ferry Watchmen's Huts.
243. Progress of Ferry Ferry Ferry Ferry Goods Sheds.
244. Progress of Ferry Ferry Ferry Ferry Cattle Sheds.
245. Progress of Ferry Ferry Ferry Ferry Workshops.
246. Progress of Ferry Ferry Ferry Ferry Engine Sheds.
247. Progress of Ferry Ferry Ferry Ferry Carriage Sheds.
248. Progress of Ferry Ferry Ferry Ferry Water Cranes.
249. Progress of Ferry Ferry Ferry Ferry Coaling Stages.
250. Progress of Ferry Ferry Ferry Ferry Ash Pits.
251. Progress of Ferry Ferry Ferry Ferry Pumping Engines.
252. Progress of Ferry Ferry Ferry Ferry Weighing Machines.
253. Progress of Ferry Ferry Ferry Ferry Carriage Turntables.
254. Progress of Ferry Ferry Ferry Ferry Carriage Shops.
255. Progress of Ferry Ferry Ferry Ferry Engine Shops.
256. Progress of Ferry Ferry Ferry Ferry Smiths' Shops.
257. Progress of Ferry Ferry Ferry Ferry Foundry.
258. Progress of Ferry Ferry Ferry Ferry Boiler Shops.
259. Progress of Ferry Ferry Ferry Ferry Saw Mills.
260. Progress of Ferry Ferry Ferry Ferry Store Houses.
261. Progress of Ferry Ferry Ferry Ferry Quarters for Officers.
262. Progress of Ferry Ferry Ferry Ferry Quarters for Subordinates.
263. Progress of Ferry Ferry Ferry Ferry Quarters for Native Establishment.
264. Progress of Ferry Ferry Ferry Ferry Hospitals.
265. Progress of Ferry Ferry Ferry Ferry Dispensaries.
266. Progress of Ferry Ferry Ferry Ferry Schools.
267. Progress of Ferry Ferry Ferry Ferry Police Stations.
268. Progress of Ferry Ferry Ferry Ferry Post Offices.
269. Progress of Ferry Ferry Ferry Ferry Telegraph Offices.
270. Progress of Ferry Ferry Ferry Ferry Toll Houses.
271. Progress of Ferry Ferry Ferry Ferry Ferry Boats.
272. Progress of Ferry Ferry Ferry Ferry Ferry Piers.
273. Progress of Ferry Ferry Ferry Ferry Ferry Sheds.
274. Progress of Ferry Ferry Ferry Ferry Ferry Huts.
275. Progress of Ferry Ferry Ferry Ferry Ferry Gates.
276. Progress of Ferry Ferry Ferry Ferry Ferry Fences.
277. Progress of Ferry Ferry Ferry Ferry Ferry Roads.
278. Progress of Ferry Ferry Ferry Ferry Ferry Bridges.
279. Progress of Ferry Ferry Ferry Ferry Ferry Culverts.
280. Progress of Ferry Ferry Ferry Ferry Ferry Drains.
281. Progress of Ferry Ferry Ferry Ferry Ferry Embankments.
282. Progress of Ferry Ferry Ferry Ferry Ferry Cuttings.
283. Progress of Ferry Ferry Ferry Ferry Ferry Tunnels.
284. Progress of Ferry Ferry Ferry Ferry Ferry Permanent Way.
285. Progress of Ferry Ferry Ferry Ferry Ferry Buildings.
286. Progress of Ferry Ferry Ferry Ferry Ferry Stations.
287. Progress of Ferry Ferry Ferry Ferry Ferry Water Supply.
288. Progress of Ferry Ferry Ferry Ferry Ferry Telegraph.
289. Progress of Ferry Ferry Ferry Ferry Ferry Ballasting.
290. Progress of Ferry Ferry Ferry Ferry Ferry Fencing.
291. Progress of Ferry Ferry Ferry Ferry Ferry Gauging.
292. Progress of Ferry Ferry Ferry Ferry Ferry Signals.
293. Progress of Ferry Ferry Ferry Ferry Ferry Points & Crossings.
294. Progress of Ferry Ferry Ferry Ferry Ferry Turntables.
295. Progress of Ferry Ferry Ferry Ferry Ferry Platelayers' Huts.
296. Progress of Ferry Ferry Ferry Ferry Ferry Gangers' Huts.
297. Progress of Ferry Ferry Ferry Ferry Ferry Gatekeepers' Huts.
298. Progress of Ferry Ferry Ferry Ferry Ferry Watchmen's Huts.
299. Progress of Ferry Ferry Ferry Ferry Ferry Goods Sheds.
300. Progress of Ferry Ferry Ferry Ferry Ferry Cattle Sheds.

5263

Govt. of Madras.

PUBLIC WORKS.

To

The Commissioner of
Salt Revenue & Excise

Dated

Recd. Encl. 11

G. O. 10 Sept. 1874. No. 2562 2564

Nos. 192-194.

Madras Railway

Progress

The Progress Report for
~~for the second quarter of~~
~~1874 of Progress~~
~~for~~
~~works during~~ the second
quarter of 1874 on con-
struction Works like
wise Rly. orders &
forwarded to the
Madras —

No. 192

To the Secretary to Government
Public Works Department
Fort St. George

Sir

I have the honor to forward herewith a Progress Report of the Madras Railway for the second quarter of 1874 and to request that the Government orders may be passed thereon.

I have the honor to be
Sir
Your most obedient Servant
[illegible]
Secretary

Madras Railway Office
4th July 1874.