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. 33-33	2581	Press / Mis.
Dated	2-11-	1872.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 2nd November 1872.

No. 32. Read the following letter from the Under Secretary to the Government of India, Public Works Department, (Railway,) to the Secretary to the Government of Madras, Public Works Department, (Railway,) dated Simla, 15th October 1872, No. 1,644-G.R.:—

I AM directed to acknowledge the receipt of your endorsement No. 2,260, dated the 24th September 1872, with annexures, and in communicating the sanction of the Government of India to the revised estimates for alterations and additions to water-way and raising gradient on the Neilgherry Branch of the Madras Railway, and for dwelling houses for the Native clerks of the Traffic Department at the Raichore Junction station, amounting to Rupees 15,099 as per margin, after reductions made in the rate for the carriage of materials, I am to request the early submission of proposals for the apportionment, between capital and revenue, of the charges for the alterations and additions at the Salt Cotaur Junction.

	Rs.
Alterations to Neilgherry Branch ...	9,727
Clerks houses' at Raichore	5,372
Total...	15,099

2. This sanction has been entered in the register of this office as No. 21-M.R. of 1872-73, and the revised estimates are herewith returned.

No. 33. ORDER THEREON, 2nd November 1872, No. 2,581.

RAILWAY, No. 10.

COMMUNICATED to the Consulting Engineer for Railways with reference to G. O., No. 2,259, dated 24th September 1872.

2. Lieutenant-Colonel Shaw-Stewart will submit the information called for in regard to the Salt Cotaur Junction.

(True Extract.)

Major, R.E.,
Acting Joint Secretary to Government.

To the Consulting Engineer for Railways.
Examiner of Railway Accounts.

Exd. E. C. Shunker.

MADRAS RAILWAY.

62

Provided for in Schedule A 3rd Item 2nd 8. Budget 1872/73.

ENGINEERING DEPARTMENT.

This Sanction will lapse at the end of the 8th Quarter after the line is declared Open for Traffic.

Estimate.

Required for the Madras Railway in the Neilgherry Branch Line

DESCRIPTION.	To be expended Departmentally.	To be drawn from Stores.	Total.
III Construction of Line 2 Bridge works I Minor Bridges Alterations & additions to Waterway and raising gradients as per annexed Estimate	8,552 4 "	782 12 "	9,335 " "
III Construction of Line I Earthwork	403 " "	" " "	403 " "
TOTAL...	8,955 4 "	782 12 "	9,738 " "

Submitted for approval, and Sanction to the Government of

Agent and Manager, Railway.

Chief Engineer, Railway.

CHIEF ENGINEER'S OFFICE,
2nd August 1872.

Consulting Engineer to Government.

Secretary to Government.

Madras Railway

Neilgherry Branch Line.

Estimate of the cost of alterations and Additions to Waterway and passing Gradient

	Quantity	Rate	Total expended Departmentally	Total	To be drawn from Stores	Total
Works as now proposed						
A Single 2 feet Opening with Wrought Iron Girders in 13 feet bank at 18 Nos. 36 lbs: as per Plan No. 27						
Excavation ——— Cyds	100	-/8/-	50 - -			
Masonry ——— "	225	10/-	2250 - -			
Teak Timber in Sleepers ——— Cft.	50	3/8/-	175 - -			
Planking 2 ins: thick for Gangway ——— Sqft.	36	-/10/-	22 8 -			
Wrought Iron Girders &c ——— Tons 2. 6 13	2004 lbs		53 - -		477 - -	
Painting ironwork ——— Sqs	4	2/-/-	4 - -		4 - -	
Tarring Timber work ——— "	4	-/4/-	- 8 -		- 8 -	
Loading and unloading charges for timber and Ironwork ———			4 - -			
Carriage of Sleepers & planking ——— Tons	1 1/4	12/-/-	15 - -			
— Do — Girders ——— "	2 3/4	7/15/-	21 13 3	2595 13 3		481 8 -
A Double 6 feet Rail Girder ins: 2 feet bank at 12 Mls. 22 Chs. as per Plan No. 80						
Excavation ——— Cyds	166	-/8/-	83 - -			
Masonry ——— "	114	10/-/-	1140 - -			
Teak Timber in Sleepers ——— Cft.	36	3/8/-	126 - -			
Planking 2 ins: thick for Gangway. Sqft.	32	-/10/-	20 - -			
Cost of fixing Rail Girders complete. Sets	1	16/-/-	40 - -		120 - -	
Carried over. Rs.			1409 - -	2595 13 3	120 - -	481 8 -

	Quantity	Rate	To be expended this season	Total	To be drawn from Stores this season	Total
Brought forward	Rs.		1419 "	2595 13 3	120 "	481
Double Offset Rail Guides at 12 Ms: 22 Chs: (continued)						
Sawing Timber work	Sqrs	4	4/4/	" 8 "		" 8 "
Loading and unloading Charges for timber and pioneer work				3 "		
Carriage of materials	Tons	3	12/4/	36 "		120
				1244 8		
Two Single Offset Rail Guides in 3 feet bank each at 11 Ms: 45 Chs: and 11 Ms: 53 Chs: as per Plan No: 80.						
Excavation	Cyds:	106	1/8/	63 "		
Masonry	"	43	10/4/	430 "		
Teak Timber in Sleepers	Cft:	24	3/8/	84 "		
Planking 2 ins: thick for Gauging	Sft:	68	1/10/	11 4		
Cost of fixing Rail Guides complete	Sets	1	90/4/	30 "		60 "
Sawing Timber work	Sqrs	2	1/4/	" 4 "		" 4 "
Loading and unloading Charges for timbers and pioneer work				1 12		
Carriage of materials	Tons	2	12/4/	24 "		
	Each Rs.			934 4		60 4
Total for two				1868 8		120 8
Two Single Offset Rail Guides in 1 ms: bank each at 12 Ms: 11 Chs: and 13 Ms: 25 Chs: as per Plan No: 80						
	Rs.			5912 13 3		722 8

	Quantity	Rate	To be expended this season	Total	To be drawn from Stores this season	Total
Works as formerly proposed						
Cost of 2 Single Offset Rail Guides in 15 feet bank at 18 Rs: 30 Chs: as per Plan No: 80. vide details sent in 21st November 1871.				2558 "		60 4
Contingencies				261 12		
Earthwork from 12 Ms: 8 Chs: to 12 Ms: 43 Chs: according to old Gradient sent in 2 1st November 1871.						
Earthwork	Cyds:	3488	2/4/	872 "		
Contingencies				87 "	959 "	
	Rs.			3778 12		60 4
Works as now proposed as per foregoing estimate				12734 "		843 "
Amount pregoing Sanction.	Rupees			8953 4		903 12

Rupees Nine thousand seven hundred and Thirty eight

Chief Engineers Office
12nd September 1872

Asst: Engineer

Chief Engineer

Agent & Manager

Rs

This sanction will take end at the end of the 8th quarter, after the line is declared open for traffic

Memo

	Quantity	Rate	To be expended Departmentally	Total	To be drawn from Stores	Total
Brought forward.	R.			5912 13 3		722 8
Two Single Effect Rail Guides at 13 Ms. 11 Chs. and 13 Ms. 25 Chs. (Continued)						
Excavation — Cyds.	90	-/8/	45 ..			
Masonry — ..	62	10/	620 ..			
Teak Timber sprs sleepers — Cft.	24	3/8/	84 ..			
Planking 2 ins. thick for Gangway Sqft.	18	-/10/	11 4			
cost of efficient Rail Guides Complete. Set	1	90/	30 ..		60 ..	
Tanning Timber work. — Sqs.	2	-/4/	.. 2		.. 4	
Loading and unloading Charges for timber and ironwork —			1 12			
Carriage of materials — Tons	2	12/	24 ..			
Cash.			816 4		60 4	
Total per two.		R.	1632 8			1208
A Single Effect Arch per 15 feet bank at 18 Ms. 38 Chs. as per Plan No 2/5.						
Excavation — Cyds.	32	-/8/	16 ..			
Masonry — ..	270	10/	2700 ..	12716 ..		
Contingencies —				1110 09		
Earthwork from 12 Ms. 8 Chs. to 12 Ms. 43 Chs. according to revised Gradient as per Plan No 16 (Ellis)						
Earthwork — Cyds.	4953	-/4/	1238 4			
Contingencies —			123 12	1362 ..		
		Rupees.		12734 ..		843 ..

Memo.

	To be expended Departmentally	To be drawn from Stores	Total
Total Amount of Revised Estimate for the N. B. Line sanctioned on the 6th February 1872 —	10,96,252 12 8	7,59,549 3 4	18,55,802 ..
Amount Sanctioned for altered gradient at Seimbatore Station N. B. Line on the 22nd June 1872 —	179	.. .. ..	179 .. ..
Proposed alterations and additions on the Neilgherry Branch as per foregoing estimate	8,955 4 ..	782 12	9,738 ..
R.	11,05,387 .. 8	7,60,331 15 4	18,65,719 ..
Deduct Amount Saved by alteration of Bridge at 19 Ms. 4 Chs. from Screw Pile Piers to Masonry Piers sanctioned 19th June 1872 —	789	~~3,195 .. ..~~	2,106 .. ..
Total Rupees.	11,06,176 .. 8	7,57,436 15 4	18,63,613 .. ..

Chief Engineer's Office
2nd August 1872

Chief Engineer

Agent & Manager

R.

Secretary to Government.

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4-5

MADRAS RAILWAY.

This Sanction will lapse at the end of the fourth Quarter after the receipt of sanction in this office.

ENGINEERING DEPARTMENT.

Unforeseen Requirements 72/73.

Schedule B. 8 8 2

Item No 28. 13

Estimate.

Required for the Madras Railway in the North West Line

DESCRIPTION.	To be expended Departmentally.	To be drawn from Stores.	Total.
V Stations and Buildings			
3 Staff Quarters			
7 Dwelling Houses for Native Clerks of the Traffic Department at the Raichore Stations as per annexed Estimate	5376	.. ..	5376 .. ..
TOTAL...			

"Unforeseen Requisite"
Budget allotment 7.845.0.0
Total Amt allocated off this Head 522 6.10.9 / 1457 8.5.3

Submitted for approval and Sanction to the Government of

Agent and Manager, Railway.

Chief Engineer, Railway.

CHIEF ENGINEER'S OFFICE,
2nd August 1872.

Consulting Engineer to Government.

Secretary to Government.

MADRAS RAILWAY. 1 4-6

North West Line.

Estimate of the cost of Dwelling Houses for Native Clerks of the Traffic Department at the Railway Stations as per Plan No. 908.

DESCRIPTION.	Quantity.	Rate.	To be expended Departmentally.	To be drawn from Stores.	Total.
Excavation ——— Cyds	86	-/2/-	10 12 -	✓	
Earthfilling ——— "	6	-/2/-	- 12 -	✓	
Stone in mud ——— "	128	3/8/-	44 8 -	✓	
Whitewashing roof only Sqrs	17	-/4/-	4 4 -	✓	
Flooring with Jelly ——— "	32	2/-/-	7 - -	✓	
Slope pitching ——— "	52	12/-/-	66 - -	✓	
Timber work ——— Cft:	36	2/-/-	72 - -	✓	
Rafters per running foot ——— No	1100	2/-/-	22 - -	✓	
Doors 2: 6" x 6: 0" No	2	15/-/-	30 - -	✓	
Do 2: 6" x 5: 6" ——— "	1	12/-/-	12 - -	✓	
Windows 2: 6" x 4: 0" ——— "	2	7/-/-	14 - -	✓	
Carriage of materials Jam	1	7/5/-	7 5 -	✓	
Loading & unloading Charges for woodwork			4 - -		
Contingencies ———			69 15 -		
	Each Rs.		768 - -	✓	
Total Six Sevens	Rupees		5376 - -	✓	

Rupees Five thousand, three hundred and seventy six

Chief Engineer's Office
2nd August 1872

Bluefield Anderson
Chief Engineer

This sanction will lapse at the end of the fourth quarter after the receipt of sanction in the Office.

Asst. to the Agent and Manager

P. W. 1872 Shepard
No 5165

From.
The Secretary of State.

Dated 15th } Received 17th
Read 24th } Dec. 1872.

No 1644 L. P.

C.S.

Acknowledging the return
of Mr Collingwood for the
Contract for Raising Station
Roadway and Laying Station
Platforms on the Salisbury Branch
of the Nova Scotia Central
Railway, and requesting that
the Chief Engineer may
be directed to report upon
the Specification and Plans
of the Station Buildings
proposed to be erected
thereon.

No 25. 81.

Communicated to the Consulting Engineer for Railways with reference to G. O. No: 225 of 24th Sept: 1872.

Lt: Col: Shaw Stewart will submit the information called for in regard to the Salt Colours Junction.

C.E. for Rep:
Sy: Rep: Secty
Dec 26/72

No 28 Secretary's Office Nov 27th 1872.

Contd to Chief Engr

No 5769

Govt. of 1872. Madras.

PUBLIC WORKS.

To The Consulting Engr. &c
for Railways

Dated
Rec'd. Encl. 5

G. O. 2nd Nov 1872 No 2587.

Nos. 32 & 33

Guntur Railway. Letter from

the Govt of India sanctioning the revised estimate for alterations, &c, to waterway & raising gradient on the Nellikherry branch line and for houses for Native Clerks at the Traffic Depôt at Raichore and requesting proposals for the apportionment of charges for additions &c at the Salt Cataract junction, Comn. & the Long. Engr. with

- ii -

instructions.