

Public Works (1896) Department.

G.O., No. 627 R

DATED 1 December

255 R D 19.3.96

[Despatch Abstract.]

Girdar Bridges: Letter to the Govt of India forwarding the Completion Report of the work done in improving the permanent way over the — on portions of the Shadras R. up to 31st March 1906 and stating that the Govt concurs in the views of the Agent that no further outlay should be incurred on this work.

tel. 11/12

15/12

[illegible][illegible]

No. 42 R., 11TH JANUARY 1896.

GOVERNMENT OF MADRAS. .

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper:—

From the Agent and Manager, Madras Railway, dated 30th December 1895, No. 20/11487.

8/16, 20

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

MADRAS RAILWAY. ENGINEERING DEPARTMENT.

List of Open Sanctions for the quarter ending 31st March 1896.

- (a) No works to be carried on after date on which sanction closes, without renewal of sanction which should be applied for at least one month before lapse of sanction.
(b) Bills for works to be passed within three months from date of sanction closing; any subsequently submitted to be accompanied by explanations of delay and dealt with at Official Committee at which the Consulting Engineer is present, before audit.
(c) Expenditure on capital works not in the list will not be passed unless formal sanction has been received during the quarter.

Register number and date.	Authority.	Works.	SANCTIONED EXPENDITURE.			EXPENDITURE AS PER AUDITOR'S BOOKS UP TO 31st OCTOBER 1895.			Date on which sanction closes.	Remarks.
			Cash.	Stores.	Total.	Cash.	Stores.	Total.		
1. 5 M.R. of 1893.	G.I. No. 450 R.S., dated 20th Dec. 1893; G.O. No. 3 R., dated 8th Jan. 1894; M.O.M., dated 30th Aug. 1894; M.O.M., dated 30th May 1895.	Shed for making gas at Central Station ..	Rs. 2,128	Rs. 867	Rs. 2,995	Rs. 2,860	Rs. 2,032	Rs. 4,892	31st Dec. 1895.	Revised estimate will be submitted. Extension of time to 30th June 1896 will be applied for.
2. ..	G.O. No. 24 R., dated 17th Jan. 1895; C.E. No. 548, dated 14th February 1895.	Ticket Printing office, &c., at Rayapuram ..	5,552	2,354	7,926	4,115	3,894	8,009	31st Mar. 1896 ..	Rs. 58 sanctioned to Revenue.
3. ..	C.E. No. 66, dated 8th January 1895; M.O.M., dated 29th Aug. 1895.	Piping, &c., required for supplying Red Hills water to the engines at Rayapuram.	342	2,255	2,597	..	..	..	31st " "	..
4. ..	C.E. No. 2690, dated 23rd Aug. 1895.	Alterations and additions to the lines consequent on the Ennore Branch running into Rayapuram.	63	1,417	1,480	..	..	..	31st " "	Rs. 243 do.
5. ..	C.E. No. 3162, dated 8th October 1895.	Alterations and additions of sidings at Signal office at Rayapuram.	446	2,584	3,030	..	..	..	30th June " "	Rs. 120 do.
6. ..	C.E. No. 126, dated 12th January 1895.	House for Yard Inspector at Salt Cotours ..	1,537	751	2,288	1,153	759	1,947	31st Mar. " "	..
7. ..	C.E. No. 2202, dated 10th July 1895.	Additional siding for Carriage Examiner at Salt Cotours.	122	1,064	1,186	132	834	966	31st " "	..
8. ..	G.O. No. 2153 R., dated 18th Sept. 1891; M.O.M., dated 20th Jan. 1894; M.O.M., dated 10th Dec. 1894; M.O.M., dated 20th Aug. 1895.	Assistant Locomotive Superintendent's bungalow at Perambur.	6,842	4,164	11,006	6,010	4,247	10,257	30th June " "	..
9. ..	G.O. No. 129 R., dated 2nd March 1894.	Church at Perambur ..	5,931	1,609	7,540	1,258	608	1,866	31st Mar. " "	Rs. 3,844 chargeable to public contribution.
10. ..	G.O. No. 363 R., dated 21st May 1896.	First Assistant Locomotive Superintendent's bungalow at Perambur.	4,794	3,404	8,198	..	..	..	30th June " "	..
11. ..	C.E. No. 2448, dated 30th July 1895.	Shed for storage of carriage iron work contiguous to carriage iron stores at Perambur.	1,311	2,655	4,006	..	..	..	31st Mar. " "	..
12. ..	G.O. No. 540 R., dated 22nd Aug. 1895.	Additional room to the Institute at Perambur.	4,696	2,785	7,481	..	..	..	30th Sept. " "	Rs. 261 sanctioned to Revenue.

13. ..	G.O. No. 564 R., dated 4th September 1895.	Extension of line across tank into timber yard at Perambur.	7,963	3,494	11,457	6,734	359	7,093	31st Mar. " "	Rs. 157 do.
14. ..	G.O. No. 23 R., dated 17th January 1895.	Alterations, &c., at Washermanpet station and extension of Ennore Branch to Rayapuram.	9,959	12,501	22,460	8,259	13,235	21,494	31st " "	Rs. 540 do.
15. ..	G.O. No. 331 R., dated 6th May 1895.	Through siding at Washermanpet station ..	3,879	7,191	11,070	2,086	2,508	4,594	30th June " "	Rs. 21 do.
16. ..	C.E. No. 3664, dated 18th November 1895.	Station-house, &c., at Manur ..	2,932	1,217	4,149	..	..	..	31st Dec. " "	..
17. ..	C.E. No. 2057, dated 1st July 1895.	Platform on the upline at Musur ..	1,969	1,335	3,304	633	944	1,577	31st Mar. " "	..
18. ..	G.O. No. 470 R., dated 6th September 1894.	Four bungalows for Upper Subordinates at Arkonam.	9,368	4,368	13,736	10,178	8,859	19,017	30th Sept. 1895 ..	Revised estimate has been submitted for sanction. Rs. 90 sanctioned to Revenue.
19. ..	C.E. No. 1070, dated 27th March 1895; M.O.M., dated 29th August 1895; M.O.M., dated 26th November 1895.	Well, &c., for supplying water for Soda water factory and station-house at Arkonam.	987	969	1,956	379	475	854	31st Mar. 1896 ..	..
20. ..	C.E. No. 2983, dated 20th September 1895.	Erection of a cast iron tank at Arkonam ..	120	952	1,072	..	..	..	31st " "	..
21. ..	C.E. No. 2728, dated 27th August 1895.	Six houses for subordinate staff at Arcot ..	805	429	1,234	..	..	..	31st " "	..
22. ..	C.E. No. 3640, dated 15th November 1895.	Station-house, &c., at Vinnamungalam ..	2,182	1,586	3,768	..	..	..	31st Dec. " "	..
23. 1 M.R. of 1894.	G.I. No. 91 R.C., dated 30th Jan. 1894; G.O. No. 81 R., dated 6th February 1894; M.O.M., dated 29th August 1895.	Alterations and additions to Bangalore City station.	83,891	59,439	1,43,330	90,829	60,497	1,51,326	31st Mar. 1896 ..	Rs. 32,333 sanctioned to Revenue.
24. 4 M.R. of 1894.	G.I. No. 719 R.C., dated 31st July 1894; G.O. No. 436 R., dated 10th August 1894; M.O.M., dated 27th February 1895; C.E. No. 199, dated 19th January 1895.	Alterations and additions consequent on the junction of Kolar Gold Fields Railway with Madras Railway at Kolar road.	36,793	41,518	78,311	31,627	32,116	63,743	31st Dec. 1895 ..	Extension of time to 31st March 1896 will be applied for. Rs. 11,034 sanctioned to Revenue.
25. ..	G.O. No. 494 R., dated 3rd August 1895.	Through siding, &c., at Bisanatham ..	2,484	6,299	8,783	408	138	546	30th June 1896 ..	Rs. 356 sanctioned to Revenue.
26. ..	G.O. No. 527 R., dated 20th August 1895.	Station-house at Gudupalli ..	4,559	1,511	6,070	250	1,209	1,459	30th Sept. " "	..
27. ..	C.E. No. 1667, dated 24th May 1895; M.O.M., dated 26th November 1895.	Booking office and 3rd-class waiting room, &c., at Mulanur.	997	269	1,266	25	120	145	31st Mar. " "	Rs. 802 do.
28. ..	C.E. No. 2124, dated 4th July 1895.	Ten houses for Native Firemen and Artizans at Jalarpet.	2,266	791	3,057	1,354	924	2,278	30th Sept. " "	..
29. ..	C.E. No. 2140, dated 6th July 1895.	One block of four houses for European and Eurasian Firemen at Jalarpet.	2,959	1,512	4,471	1,047	1,357	2,404	30th Sept. " "	..
30. ..	C.E. No. 2061, dated 19th September 1895.	Travelling Auditor's bungalow at Jalarpet ..	2,035	832	2,867	..	..	..	30th " "	..
31. ..	C.E. No. 3082, dated 1st Oct. 1895.	Double bungalow for family guards at Jalarpet.	3,238	1,283	4,521	..	..	..	31st Dec. " "	..
32. ..	C.E. No. 3553, dated 23rd October 1895.	Taking up 45 feet engine turn-table at Tiruvallur, lengthening it to 48 feet and fixing the same at Jalarpet station (including siding).	815	1,605	2,420	..	..	..	30th June " "	Rs. 1,246 sanctioned to Revenue.

List of Open Sanctions for the quarter ending 31st March 1896—cont.

Register number and date.	Authority.	Works.	SANCTIONED EXPENDITURE.			EXPENDITURE AS PER AUDITOR'S BOOKS UP TO 31st OCTOBER 1895.			Date on which sanction closes.	Remarks.
			Cash.	Stores.	Total.	Cash.	Stores.	Total.		
33.	G.O. No. 134 R., dated 6th March 1895.	Through siding, &c., at crossing station at 18 1/2 miles, south-west line.	Rs. 4,338	Rs. 8,577	Rs. 12,915	Rs. 6,121	Rs. 2,231	Rs. 7,352	31st Mar. 1896 ..	Extension of time to 31st December 1896 will be applied for. Rs. 1,401 sanctioned to Revenue.
34.	G.O. No. 2675 R., dated 11th Nov. 1895; M.O.M., dated 1st Dec. 1895; M.O.M., dated 28th June 1894; M.O.M., dated 10th Dec. 1894; M.O.M., dated 27th March 1895; M.O.M., dated 27th June 1895.	Alterations and additions consequent on the junction arrangements of Nilgiri Railway with Madras Railway at Mettupalayam station.	14,972	7,791	22,763	12,646	3,553	16,229	31st Dec. 1895 ..	
35.	G.O. No. 557 R., dated 29th August 1895.	Watering arrangements at Pódanár (from Noyel river).	1,705	6,113	7,818	978		6,422	31st March 1896..	Rs. 267 sanctioned to Revenue.
36.	C.E. No. 3616, dated 13th November 1895.	Emergency stock shed, &c., at Pódanár ..	392	1,384	1,776				30th June " ..	
37.	C.E. No. 3864, dated 3rd December 1895.	Converting Locomotive Workshops into running drivers' quarters at Pódanár.	1,028	766	1,794				30th " " ..	
38.	C.E. No. 1955, dated 9th Dec. 1895.	Double bungalow for family guards at Pódanár.	2,990	1,459	4,449				31st Dec. " ..	
39.	C.E. No. 3178, dated 9th October 1895.	Assistant Station-master's house at Walayar..	689	470	1,159				30th June " ..	
40.	C.E. No. 3418, dated 2nd Nov. 1894; C.E. No. 3230, dated 16th October 1895.	Four houses for subordinate staff at Kuttiparam.	772	570	1,342	771	570	1,341	31st Mar. " ..	Rs. 52 do.
41.	G.O. No. 403 R., dated 12th June 1895; G.O. No. 516 R., dated 11th Aug. 1895; C.E. No. 2273, dated 16th July 1895; M.O.M., dated 26th November 1895.	Twenty-five houses for subordinate staff of Traffic Department, south-west line.	4,554	2,398	6,950	2,088	2,750	4,838	31st " " ..	Extension of time to 31st March 1896 was sanctioned for the houses at Morappur, Devaikundi and Whitefield only.
42.	G.O. No. 442 R., dated 5th July 1895.	Six houses for Native Assistant Station-masters, south-west and north-west lines.	3,730	2,186	5,916	986	2,342	3,328	31st Mar. 1896.	
43.	G.O. No. 694 R., dated 10th Oct. 1895.	Alterations of distant signals, south-west and north-west lines.	2,877	2,603	5,480				30th June " ..	
44.	C.E. No. 3265, dated 16th Oct. 1895.	Train protecting bars at Tirutani ..	126	1,033	1,159				30th " " ..	
45.	G.O. No. 18 R., dated 10th Jan. 1894; M.O.M., dated 26th July 1894; M.O.M., dated 30th May 1895; G.O. No. 522 R., dated 15th Aug. 1895.	Interlocking points and signals at Nagari ..	115	9,177	9,292		5,055	5,055	31st Mar. " ..	Rs. 132 sanctioned to Revenue.

No. 42 R., 11TH JANUARY 1896.

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46.	C.E. No. 98, dated 11th Jan. 1894; M.O.M., dated 26th July 1894; M.O.M., dated 30th May 1895.	Signals and interlocking apparatus at Puttur..	111	3,057	3,168	483	1,599	2,082	31st Dec. 1895 ..	Extension of time to 31st March 1896 will be applied for. Rs. 132 sanctioned to Revenue.
47.	C.E. No. 1547, dated 13th May 1895.	Interlocking points and signals at Mamandur.	57	2,190	2,247	36	1,891	1,927	31st " " ..	Rs. 296 sanctioned to Revenue. Extension of time to 31st March 1896 will be applied for.
48.	G.I. No. 1426 R.C., dated 19th Nov. 1895; C.E. No. 4025, dated 13th December 1895.	Nandalur Station works ..								Conveying sanction for work to be put in hand, pending the settlement of allocation between revenue and capital.
49.	G.O. No. 40 R., dated 24th Jan. 1895; C.E. No. 1442, dated 2nd May 1896.	Double block of bungalows for European and Eurasian drivers at Gooty.	4,585	1,437	6,002	3,663	1,582	5,245	31st March 1896 ..	A sum of Rs. 8,635 has been credited to Capital on account of cost of dismantled buildings at Cuddapah which are replaced by this building. Rs. 701 sanctioned to Revenue.
50.	C.E. No. 2709, dated 24th August 1895.	Alterations and additions to station-house at Gooty.	612	60	672	199	41	240	31st " " ..	do.
51.	C.E. No. 2839, dated 9th Sept. 1895.	Additions to school-house at Gooty ..	598	663	1,261	12	73	85	31st " " ..	Rs. 1,103 sanctioned to Revenue. Extension of time to 31st March 1896 will be applied for.
52.	C.E. No. 3848, dated 10th Dec. 1894.	Institute at Baichur ..	1,285	1,820	3,105	682	1,823	2,455	31st Dec. 1895.	Rs. 1,40,208 sanctioned to Revenue.
53.	G.I. No. 3043 R., dated 11th Dec. 1875; G.O. No. 17 R., dated 4th Jan. 1876.	Laying new permanent-way over girder bridge, &c., south-west line.	8,115	2,16,284	2,24,399	2,961	1,00,555	1,03,516	In abeyance ..	
54.	Do. do.	Laying new permanent-way over girder bridges, &c., north-west line.	9,659	3,06,302	3,15,961	9,537	2,78,787	2,88,324	Do. ..	Rs. 2,06,057 do.

No. 42 R., 11TH JANUARY 1896.

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MADRAS, 24th December 1895.
 (Signed) F. DUNSTERVILLE, Chief Auditor.
 (Signed) E. A. WALLER, Major, R.E., Govt. Exr. of Railway Accounts.
 (Signed) J. M. EWING, for Chief Engineer.
 (Signed) A. EDWARDS, for Agent and Manager.

LOCOMOTIVE DEPARTMENT.
List of Open Capital Sanctions for the quarter ending 31st March 1896.

6 No. 42 R., 11TH JANUARY 1896.

Register number and date.	Authority.	Works.	SANCTIONED EXPENDITURE.			EXPENDITURE AS PER AUDITOR'S BOOKS UP TO 31st OCTOBER 1895.			Date on which sanction closes.	Remarks.
			Cash.	Stores.	Total.	Cash.	Stores.	Total.		
1. 7 M.R. of 1890.	G.I. No. 840 R.C., dated 18th September 1890; G.O. No. 1515 R., dated 17th October 1890; G.O. No. 1515 R.C., dated 3rd December 1895.	Furnishing additional screw-couplings to vehicles.	15,376	23,384	38,760	12,431	19,499	31,930	31st March 1896.	
2. 6 M.R. of 1895.	G.I. No. 450 R.S., dated 20th December 1893; G.O. No. 3 R., dated 8th January 1894.	3,230 screw-couplings 1,200 centre chains	1,050	6,900	7,950	1,023	6,061	7,084		
3. ..	G.O. No. 565 R., dated 20th October 1894; M.O.M., dated 27th February 1895.	Gas-making plant, lamp and fittings	12,469	1,41,280	1,53,749	5,018	7,000	12,018	31st Dec. 1895	• Rs. 14,025 sanctioned to Revenue.
4. 6 M.R. of 1894.	G.I. No. 417 R.S., dated 3rd December 1894; G.O. No. 682 R., dated 11th December 1894; M.O.M., dated 27th February 1895.	Two composites	4,422	9,284	13,706	..	..	..	31st ..	..
5. ..	G.O. No. 346 R., dated 31st May 1895.	Fitting automatic vacuum brake-gear for fifteen engines and fifty carriages.	2,000	39,368	41,368	..	..	..	31st ..	..
6. ..	Consulting Engineer's letter No. 2425, dated 26th July 1895.	Two tank wagons for conveying oil, 15 tons.	1,540	6,360	7,900	510	1,550	2,060	31st March 1896.	
7. ..	G.O. No. 511 R., dated 9th August 1895.	Two trucks for carrying gas-holders	420	2,660	3,080	190	871	1,061	31st ..	
8. ..	Consulting Engineer's letter No. 3741, dated 22nd November 1895.	Fitting automatic vacuum brake-gear for six engines and tenders.	300	5,660	5,960	..	2,048	2,048	30th June ..	
9. 3 M.R. of 1895.	G.O. No. 421 R.S., dated 9th December 1895, and Consulting Engineer's letter No. 4056 of 16th December 1895.	One support wagon for 15-ton travelling crane.	60	1,145	1,205	..	..	..	31st March ..	
10. ..	Consulting Engineer's letter No. 3430 of 30th October 1895.	Fitting automatic vacuum brake-gear for ten engines and fifty carriages.	6,200	31,060	37,260	..	..	..	31st .. 1897.	
		Supplying steam sanding-gear to certain engines.	120	1,054	1,174	..	..	..	31st Dec. 1896.	

PERMANENT WORKS, (Signed) F. DUNSTONVILLE, (Signed) E. A. WALLER, Major, R.E., (Signed) C. E. PHIPPS, Locomotive Superintendent.
20th December 1895. Chief Auditor. Govt. Exr. of Railway Accounts. (Signed) A. EDWARDS, for Agent and Manager.

• Application has been made for extension of date of lapse of sanction.

TELEGRAPH DEPARTMENT.

List of Open Sanctions for the quarter ending 31st March 1896.

No. 42 R., 11TH JANUARY 1896.

Register number and date.	Authority.	Works.	SANCTIONED EXPENDITURE.			EXPENDITURE AS PER AUDITOR'S BOOKS UP TO 31st OCTOBER 1895.			Date on which sanction closes.	Remarks.
			Cash.	Stores.	Total.	Cash.	Stores.	Total.		
1. 6 M.R. of 1889.	G.I. No. 619 R.C., dated 9th July 1889. G.O. No. 798 R., dated 25th July 1889. M.O.M., dated 25th July 1895.	Revised estimate for the extension of block system and the introduction of starting semaphore signals, &c., on south-west and north-west lines, including additional stations.	64,943	1,01,818	1,66,761	61,071	97,780	1,58,851	30th Sept. 1896.	
2. ..	G.I. No. 1515 R.C., dated 3rd December 1895. M.G.O. No. 111 R., dated 1st February 1895.	Single needle instruments, batteries, &c., for trial and additional stations.	4,122	3,588	7,710	1,304	1,531	2,835	31st Mar. ..	
3. ..	M.O.M., dated 27th Feb. 1895. G.O. No. 429 R., dated 15th Aug. 1894.	Lighting the Arkonam station and yard by electricity.	3,830	12,170	16,000	..	..	..	30th Sept. ..	Rs. 1,230 sanctioned to Revenue.

(Signed) F. DUNSTONVILLE, (Signed) E. A. WALLER, Major, R.E., (Signed) G. K. WINTERS, Telegraph Engineer.
Chief Auditor. Govt. Examiner of Railway Accounts. (Signed) A. EDWARDS, for Agent and Manager.

ARKONAM,
21st December 1895.

ORDER—No. 42 R., dated 11th January 1896.

Ordered that the lists of open capital sanctions of the Engineering, Locomotive and Traffic Departments, Madras Railway, for the quarter ending 31st March 1896, be forwarded to the Government of India.

2. All cases of excesses over estimates are receiving attention.

[Here enter No. 43 R., dated 11th January 1896.]

(True Extract.)

(Signed) F. R. UPCOTT,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

To the Agent and Manager, Madras Railway.
,, Examiner, Railway Accounts, Madras.

ENDORSEMENT—No. 43 R., dated 11th January 1896.

Forwarded.

(By order.)

(Signed) F. R. UPCOTT,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

RAILWAY.

G.O. of {1896} Madras.
PUBLIC WORKS.

Dated January, 11th.

Recd.

Encl.

G.O. Nos. 42, 43 R., 11th Jan.
1896.

JANUARY.

Open Capital Sanctions

Forwarding Proceedings embodying the lists of — of the Engineering, Locomotive and Traffic Departments, Madras Railway, for quarter ending 31st March 1896.

All communications
should be addressed
to the Secretary.

No. 234 R. C.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.

RAILWAY CONSTRUCTION.

To

The Joint Secretary to the Government of Madras,
Public Works Department,
Railway Branch.
Calcutta, the 21st February 1896.

Sir,

With reference to items Nos. 53 and 54 of the list of open capital sanctions of the Madras railway for the quarter ending 31st March 1896, received with your memorandum No. 43 R., dated 11th January 1896, I am directed to point out that, under the ruling contained in Public Works Department Code Volume II, Chapter V, paragraph 39, rule XII (vide Standing Order No. 52 dated 9th August 1895) the sanction accorded in Government of India, Public Works Department, letter No. 3043 R., dated 11th December 1875 to the estimates for improved permanent way for girder bridges on the Madras railway, lapsed on the 11th December 1880, and that steps should be taken to renew the sanction if further expenditure has to be incurred.

I have the honour to be,

Sir,

Your most obedient servant.

J. A. Anderson
Offg. Under Secretary.

Documents accompanying.

Nil.

S.C.S.

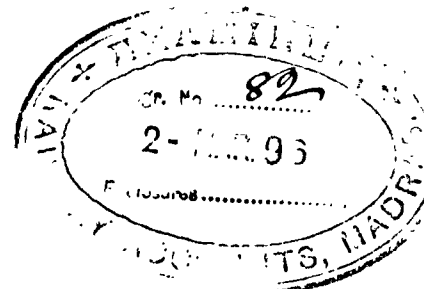
AM
21.2.96.

SERIAL
No. 22

P. W. CURRY 18. 1962

Recd: 25.2.96

Form No. 21.
500-8-6-95.



SERIAL
No. 23

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,
Madras, 28th February 1896.

No. 665.

OFFICE NOTE.

Letter from the Agent, Government of India Railway, No. 234 R C
dated 21st February 1896, forwarded to the Examiner of Railway
Accounts for perusal of remarks.

W.M. 20/2

for E. R.

W.L. 21/2

EXAMINER'S REPLY.

The necessity for renewal of
sanction for these items was pointed
out by this office in reply to E.R.'s
office Note No. 3211 dated 10th Octr
last; but on the explanation of
the cause of the delay in completing
the works given in Agent & Managers
No. R20/984 dated 1st November 1895,
it was recommended that the
items should be allowed to
remain in the list of open
Capital sanctions with the words
"in abeyance" noted against them
and that renewal of sanction
should

should be obtained when further expenditure was to be incurred. vide this office reply to E.R.'s office Note No. 3485 dated 2nd November 1895.

India should be informed that the reason why renewal of sanction was not applied for was that work was not being proceeded with, pending the settlement of the question of the strength required of the bridges on the Madras Railway, and it was not certain when final orders would be obtained. It should also be mentioned that instructions had been issued prohibiting any further outlay until renewal of sanction was obtained and that such sanction would have been applied for on the settlement of the matter in question.

If there is any prospect of the work being proceeded with, India may be asked to renew the sanction, otherwise the item may be omitted from future lists of open Capital sanctions.

3.3.96.

Waller

EC

Copy sent and ask him to inform us when the work will be resumed with an order that application may be made for renewal of sanction 5/3 J.P.

*if he limits in view of the urgency of the strengthening of the bridges that this work should be done if so
I don't think that the work should be done - it is very desirable that the strengthening of the bridges should take precedence of this*

Form No. 4

SERIAL 24
OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,
Madras, 6th March 1896

To

AGENT AND MANAGER, M. R.

No. 759 Reply No. 201, dated 14.3.96

SIR,

In forwarding herewith a copy of report of India letter No. 134 R.C. of 21st February 1896, I have the honor to enquire whether you think, in view of the urgency of the strengthening of the bridges, that the work referred to should go on, and if so, that application may be made for renewal of sanction.

Reminders.

Subject.

should be obtained when further expenditure was to be incurred. vide this office reply to E.R.'s office Note No. 3485 dated 2nd November 1895.

India should be informed that the reason why renewal of sanction was not applied for was that work was not being proceeded with, pending the settlement of the question of the strength required of the bridges on the Madras Railway, and it was not certain when final orders would be obtained. It should also be mentioned that instructions had been issued prohibiting any further outlay until renewal of sanction was obtained and that such sanction would have been applied for on the settlement of the matter in question.

If there is any prospect of the work being proceeded with, India may be asked to renew the sanction, otherwise the item may be omitted from future lists of open Capital sanctions.

3.3.96.

Waller

EC

Copy sent and ask him to inform us when the work will be resumed with in order that application may be made for renewal of sanction 5/3 J.P.

*if he limits in view of the urgency of the strengthening of the bridges that this work should be done if so
I don't think that the work should be done - it is very desirable that the strengthening of the bridges should take precedence of this*

Form No. 4

SERIAL 24
OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,
Madras, 6th March 1896

To

AGENT AND MANAGER, M. R.

No. 759 Reply No. 201, dated 14.3.96

SIR,

In forwarding herewith a copy of report of India letter No. 134 R.C. of 21st February 1896, I have the honor to enquire whether you think, in view of the urgency of the strengthening of the bridges, that the work referred to should go on, and if so, that application may be made for renewal of sanction.

Reminders.

Subject.

(No. II.)
No. *R20*
201

MADRAS RAILWAY.

AGENT AND MANAGERS' OFFICE,

Madras, *14th March* 1886

SERIAL
No. *25*

From

The Agent and Manager.

Madras Railway

To

The Consulting Engineer for Railways.

Madras.

SIR,

Referring to your letter No. 959 of the 6th instant I have the honor to apply for the renewal of the sanction accorded in Government of India P.W.D. letter No. 3045 R dated 11th December 1885 as to the Estimates for improved permanent way for girder bridges on the Madras Railway.

I have the honor to be

Sir
Your most Obedt. Servant

Wm. S. M. V.

Agent & Manager

Enc/ri

61103 1886

1103/43



Dated
Recd.

To
The Consulting Engineer
for Railways.

The Agent and Manager.

MADRAS RAILWAY.

From

R. Form No. 14.

No. 2552 SERIAL
No. 26

Government of Madras.

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

To
THE Secy. to the Govt. of India
P. W. Dept
Calcutta

19th March 1896.

SIR,

With reference
to your letter No. 234 R.C.
of 21st February 1896, I
am directed, at the instance
of the Agent, Municipal
Railway, to request the
sanction of the Government
of India to the proposal
of sanction accorded in the
letter No 3643 R. of 11th Decr.
1895 to the estimate for
improving permanent way
for girders bridges on the
Madras Railway and to
state that the person
who

Why this application was
not submitted earlier was
that work was not pro-
ceeded with pending the
settlement of the question
of the strength required of
these bridges & it was
not certain when final
orders would be received.
The Agent & Manager has
however been prohibited
from incurring any
further outlay until
renewal of sanction is
obtained. -

17/3

Documents accompanying:-
Nil.

Sir, I am directed to inform
you that the work done up to 31st March
1896 and also with a fresh estimate for the work remaining
to be done.

22/3 21/3

All communications
should be addressed to
the Secretary.

No. 528 R.C.
GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
Railway Construction.

To
The Joint Secretary to the Government of Madras,
Public Works Department, Railway Branch.

Simla, the 20th April 1896.

Sir,

I am directed to acknowledge the receipt of your
letter No. 255 R., dated 19th March 1896 requesting sanction
to the renewal of the sanction accorded in Government of
India letter No. 3043 R., dated 11th December 1875 to the
estimates, amounting to Rs. 9,01,847, for improved permanent
way for girder bridges on the Madras railway.

2. In reply, I am to say that the Government of India
consider that the estimates sanctioned in 1875 are now out
of date, and to request that they may be furnished with a
completion schedule showing the work done up to 31st March
1896 and also with a fresh estimate for the work remaining
to be done.

I have the honour to be,

Sir,

Your most obedient servant,

G. A. M. M. M.

Offg. Under Secretary.

Documents accompanying :-

Nil.

Committee to AM
for form of completion
22/3/96

Red

3996.

Acc: 20. 4. 96

P. W. Current No. 3996.

SERIAL
No. 28

India's letter No. 5282

of 20 April 1896.

No 1398
4.5.96

Reminds
1398
of 1.7.96

Copy forwarded
to the Agent & Manager
Madras Railway for favor
of compliance with re-
ference to correspondence
ending with his letter
No. 200 of 14 March 96.
201

2/5

5103/93

SERIAL
No. 29

No. 528 / 1 R.C.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.
RAILWAY Construction.

TO
THE Joint Secy. to the Govt. of
Madras, P.W.D., By Bb.
Simla, the 23rd June 1896.

The undersigned is directed to invite attention
to the letter noted below, and to request that the
reply may be expedited.

W. H. K.
23/6
Asst. Secy.

W.H.K. 29/6
P. W. D. No. 528 R.C. dated 20th April 1896.
Requesting to be furnished with
a completion report of the work
done up to 31.3.96 on providing
improved permt. way for girder
bridges, Madras Dy., and a fresh
estimate for work remaining to
be done.
Hpl 20.6.96.

1. V. C. No. 5847

Recd: 29.6.96

Form No.

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,

Madras, 2nd July 1896.

Railway Department.

To

Am.

SERIAL
No. 30

No. 2020 Reply No. , dated

SIR,

I have the honor to request you will be so good
as to let me know when I may expect a reply to my
letter No. 1398 dated 4.5.96.

2. A reminder on the subject has been received
from the Govt of India.

MM 7

Reminders.

Rs. 220 4/8
A.
4/8
MM 8
Recd 4/8/96

Despatched on 2-7-96

2/11

2/11

(No. II.)

No. *R20*

584

MADRAS RAILWAY.

AGENT AND MANAGERS' OFFICE,

Madras, *8th July* 1896

SERIAL
No. *31*

From

The *Stg.* Agent and Manager.

Madras Railway

To

The *Offg.* Consulting Engineer for Railways.

Madras.

Sir,

With reference to your letter No. 2020 of the 2^d instant, I have the honor to state the Chief Engineer writes as follows:-

The information called for is now under preparation but in view of the numerous enquiries which have to be made in connection with the preparation of the Estimate it will not be possible to forward it much before the end of the current month.

*Await further
instructions
WM 2/7*

I have the honor to be

Sir,

Your most obed^t serv^t.

Henry Wood

Ag. Agent & Manager

Encl^d

2901
9/7/96

From
MADRAS RAILWAY.
The Agent and Manager.
To
The Consulting Engineer
for Railways.
Dated
Recd.
No.
188

SERIAL
No. 32

No. 528 R.C.
2

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.
RAILWAY Construction.

To
THE *Jt. Secy. to the Govt. of
Madras, P.W.D., Ry. Bk.*
Simla, the *17th July* 1896.

The undersigned is directed to invite attention
to the letter noted below, and to request that the
reply may be expedited.

Chykas
14/7
Asst. Secy. Secretary.

MM. 21/7

P. W. D. No. 528 R.C. dated *20th April* 1896.
*Requering to be furnished with
a completion of the schedule
of work done in providing im-
proved permanent way for
girder bridges on the Madras
Ry., & with a fresh estimate
for work remaining to be done.*

APR 15.2.96 Remind on 126
Asst. Secy. Secretary

252
C.

Ans: 21.7.56

Contract

[Handwritten signature]

100-44364-100

[Faint, illegible handwritten text]

33

No. $\frac{528}{3}$ R. C.

GOVERNMENT OF INDIA

PUBLIC WORKS DEPARTMENT.

RAILWAY Constr. —

TO THE Joint Secy. to the Govt. of Madras
P. O. Dept., Ry. Bk. -
Simla, the 21st Augt. 1896.

The undersigned is directed to invite attention to the letter noted below, and to request that the reply may be expedited.

W. H. K. 2/18
Asst. Under Secretary

P. W. D. No. 528 R.R. dated 20th April 1896.
Requesting to be furnished with a
completion schedule of work done as
regards providing improved perm.
way for girder bridges on the Madras
Ry. up to 31 March 96, & a fresh
estimate for work remaining to
be done.

St. J. R. 17.8.96.

SERIAL

34

Form No.

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,

Madras, 2nd September 1896.

Railway Department.

To

The Agent and Manager
Madras Railway

No. 2705 Reply No. 783, dated 4/9

SIR,

I have the honor to request you will be so good

as to let me know when I may expect a reply to my

^{last} letter No. 1398 dated 4. 5. 96 ^{promised}

^{in your letter No. 584 of 8. 7. 96}

2. A reminder on the subject has been received

from the ^{Govt of India}

Reminders.

J.H. 1/8

Despatched on 2/9/96

1896

(No. II.)
No. R20
783

SERIAL
No. 35

MADRAS RAILWAY.

AGENT AND MANAGERS' OFFICE,

Madras, ¹¹/₁₂ September 1896.

From

The Agt. Agent and Manager.

Madras Railway

To

The Consulting Engineer for Railways.

SIR,

Madras.

I'm reply to your letter N^o: 2905
of the 2^d instant on the subject of the
laying of new Permanent Way over girder
bridges I have the honor to state that
the information called for therein will
be sent to you in the course of a
few days.

I have the honor to be,

Sir,

Yours most obedt. Servt.

Henry Clarke

Agt. Agent & Manager

Encl. nil

3837
5/9/96

Dated
Recd.

No.

188

To
The Consulting Engineer
for Railways.

From
The Agent and Manager.

MADRAS RAILWAY.

To. Am.

Sir,
in reply to your letter
R 20 d. 7/9/96 I have the
789
h. to request that the
"Completion Schedule" called
for by Govt. of India may be
submitted in the usual
form.

15/9

Indus Office

Please see E.P.
remarks on A.M.S. Gen.
R 20 of 7 Sept 1896 which
789
must go to C.P. with this
draft.

15/9

It appears from the Chief
Engin's statement quoted in
A. & M.'s letter No $\frac{R20}{789}$
of 7th inst. that no further
outlay is intended to be
incurred on this estimate.

The A. M. should therefore
be asked to submit a com-
pletion report for the work
done, and proposals for
utilising the material on
hand valued at Rs 63,323.

If these materials are
not worth the amount at
which they stand in the
books, the depreciation should
be charged off against the
estimate before submitting
the completion report.

Hth $\frac{18}{96}$

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,

Madras, 25th Sept 1896.

To

AGENT AND MANAGER, M. R.

No. 3048 Reply No. , dated

SIR,

With reference to your
letter No. $\frac{R20}{788}$ of 7th September

1896, I have the honour
to observe from the Chief Engineer's statement that no
further outlay is intended to be incurred on this estimate.
Reminders. I request that you will

kindly submit a completion
report for the work done
and the proposals for
utilising the materials
on hand valued at
Rs 63,323. If these materials
are not worth
the amount at which
they stand in the books,
the depreciation should
be charged off against the
estimate before the sub-

Subject.

For the
completion of the Completion Report.
25-9-96

Public Works (1896) Department

SERIAL
No. 38

Current no. 8868

4th Remission

No. 528
4 R. C.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.
RAILWAY Construction.

To THE Jt. Secy. to the Govt. of
Madras, P. W. D., Ry. Bk.
Simla, the 29th Sept. 1896.
Recd. 3.10.96

The undersigned is directed to invite attention
to the letter noted below, and to request that the
reply may be expedited.

W. H. P. 28/9

W. H. P. Secretary.

P. W. D. No. 528 R. C. dated 20th April 1896.
Requesting to be furnished with
a completion report schedule of
work done up to 31.3.96 on the
work of providing improved permanent
way for girder bridges on the
Madras railway, & with a fresh
estimate for work remaining to
be done.

W. H. P. 16.9.96

Form No.

Railway Department.

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,
Madras, 7th October 1896.
To

SERIAL
No. 39

A M.

Vide Ans 895 of 10.10.96
No. 3172 Reply No. , dated

SIR,

I have the honor to request you will be so good
as to let me know when I may expect a reply to my
letter No. 3048 dated 25th September 1896

fourth
2. A reminder on the subject has been received
from the *Govt of India.*

AM 7/10

Reminders.

Despatched on 7/10/96

7.10

(No. II.)
No. 9566

895

MADRAS RAILWAY.

AGENT AND MANAGERS OFFICE,

Madras, 10th October 1896

SERIAL
No. 40

From

The Ag Agent and Manager.

To

Madras Railway.

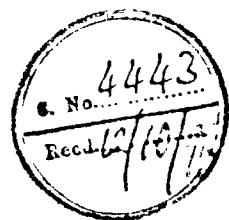
The Consulting Engineer for Railways.

SIR,

With reference to your letter No 3172 of the 7th instant, I have the honor to inform you that I hope to be able to reply to your letter No 3048 of the 25th ultimo, in the course of a few days. I am waiting for some information from the Ag Chief Engineer.

I have the honor to be,
Sir,
Your most obedient Servant,
Henry Webb
Ag Agent & Manager.

Enclosed. *WJ*



MADRAS RAILWAY.

From
The Agent and Manager.
To
The Consulting Engineer
for Railways.

Dated
188
Recd.

No.

(A. & M. Co.)
Enclosure

No. 9533

9114

Madras Railway Company,

AGENT & MANAGER'S OFFICE,

RAYAPURAM TERMINUS,

Madras, 13th October 1893.

From

The Ag. Agent & Manager,

Madras Railway Company.

To

The Consulting Engineer for Railways,

Madras.

Sir,

With reference to your letter No. 5048 of the 25th ultimo, I have the honour to enclose a statement of the new permanent way materials for bridges on hand at 30th June last. This statement also contains the proposals of the Ag. Chief Engineer for disposing of them. I have suggested to him the advisability of retaining some of the cross beams for renewals in case of accident.

2. Will you kindly inform me if you desire the completion report to be submitted at once with the amount of depreciation estimated, or if you desire it to be submitted after the stores have been sold when the actual loss can be given.

3. It may be mentioned that the difference between the total amount given in the enclosed statement and the amount given in my previous letter represents (the Ag. Chief Engineer explains) the value of certain materials which have been used on the line since the stores balances for December last were made up.

I have the honour to be,

Sir,

Your most obedient Servant,

Henry Dwyer

Ag. Agent & Manager.

New Permanent Way materials for Bridges in stock on 30th June 1896.

SERIAL

No. 42

RAILWAYS,

16.

66

14

ailway

1/19
10

E. R.

been
to
the
sub-
via-
ing

Description	Quantity	Value	Total	Proposed manner of disposal.
Rails steel Flat bottom 20 feet. — 18	571	14 14	8136 12	To be kept for building purposes and use in Bridges &c
do do 16 feet. —	15	9	135	
Gross Beams 17 feet. —	7144	30	22320	To be sold - Lists to be circulated.
do 17'-9" —	455	15	6825	
Angle Ties. —	324	10	3240	To be sold by auction.
Railing standards. —	1331	2	2662	To be sold - List to be circulated.
Elbow Brackets. —	1359	1 8	2038 8	To be sold by auction.
Tie Rods —	703	1	703	To be retained for use in Workshops.
Gusset Plates A. —	786	13 6	663 3	To be sold by auction.
do B. —	1343	13 6	1133 2 6	
Bed Plates —	6168	12 6	4818 12	To be sold by auction.
W. J. Plates or Filling pieces. —	138	12	103 8	
Back Plates —	1495	8	747 8	Some to be kept for renewals & balance sold by auction.
Iron Angle. —	2338	8	1169	
Tang Bolts. —	16340	1 11	1957 6 4	Can be used in Workshops.
Screws coach —	496	1	31	To be sold by auction.
Rivets Iron of sizes. —	69606	9	3262 12 6	
W. J. Bars. —	34	11	374	To be sold by auction.
do Plates. —	209	5 1	1058 1	
			61378 4 4	

Madras Railway Company
Chief Engineer's Office.
Madras 30th September 1896.

Sgt. E. W. Stoney.
Ag Chief Engineer.

(True copy)

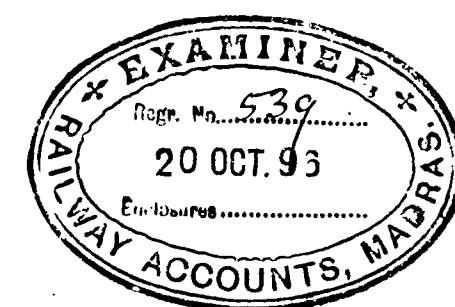
Accepted
by Agent & Manager.

648.

Form No. 1 to F. C. No. 4556 of 1896
Letter No. 914 of 16.10.96
A. B. C.

FORM No. 21.
509-5-3-96.

SERIAL
No. 49



OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,
Madras, 19 October 1896.

No. 3283.

OFFICE NOTE.

Letter from the Agent, and Manager, Railway, No. 9566
dated 16 October 1896, forwarded to the Examiner of Railway
Accounts for *for* remarks.

CM 19/10

for E. R.

EXAMINER'S REPLY.

As there has already been
great delay in replying to
the Government of India,
I would suggest that the
completion report be sub-
mitted at once; deprecia-
tion on the shares being
estimated.

21.10

20-10-96
J. G. Weaver
officer

SERIAL

No. 43

Form No. 4.

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,

Madras, 22 October 1896.

To

AGENT AND MANAGER, M. R.

No. 3338 Reply No. 9566, dated 27. 11. 96
1063

SIR,

Reminders.

With reference to
your letter No. 9566 of 16th
October 1896, I have the
honour to request that,
as there has been a
great delay in replying to
the Govt. of India, ~~the same~~
you will be so good as
to submit the completion
Report at once with the
amount of depreciation
estimated. -

Yours faithfully,
21/10

Subject.

Filed on 22/10/96

22

Public Works (1896) Department.

CURRENT No. 9673

Order

From

*The Government of India
P. W. Department,
Simla.*

No. 1603 R.C.

Dated 12th }
Received 27 } *October 1896*Enclosures *Nil*

Spare copies —

SUBJECT.

*Completion schedule
showing work done in
improving the permanent
ways over the girder bridges
on the Madras Railway up
to 31st March 1896.*

*Inviting attention to P.W.
No. 528 R.C. of 20.4.96 and
enquiring when the Govt. of
India may expect to
receive the —*

[illegible][illegible]

AD

SERIAL

45

Form No.

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,

Madras, 28th Oct 1896

Railway Department.

To

A M

No. 3416 Reply No. 962 dated 27/x

SIR,

I have the honor to request you will be so good
as to let me know when I may expect a reply to my
letter No. 3338 dated 22nd Oct 1896

2. A reminder on the subject has been received
from the ^{fifth} Govt. of India -

Reminders.

28/10

Dispatched on 28/10/96

(A. & M. 1.)

No. 9566
962

10/10

SERIAL
No. 46

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

Madras, 29th October 1896.

From

Handwritten signature and scribbles

To

SIR,

The *Ag.* Agent and Manager,
M.R. 157.

The Consulting Engineer for Railways,
Madras.

In reply to your letter No. 3416
of the 28th instant, I have the honour
to inform you that the Completion report
called for will be submitted to you in
the course of a week.

I have the honour to be,
Sir,

Your most obedt. Servant,

Handwritten signature
Ag. Agent & Manager.

Encl. 1.

4756
30/10/96

1/2 p
5/2 p

by railway post

17.11.

for Mr

Mr

under the

direct rail is now at place also
remains all round the station 22 all p
represented all that day morning at
the way at station and then up hill
shown in the morning all

at station all round
the
represented all round

represented & through for

1/2 p

(No. 1.)
No. 9566.
106.3

5000-15-3-88.

SERIAL
No. 47

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

MADRAS, 27th November 1896.

From

Ag.
The Agent and Manager,
Madras Railway Company,

To

The Consulting Engineer for Railways,
Madras.

SIR,

I have the honour to forward
herewith the Completion report of the
undermentioned work called for in your 7.
letter No. 3335 of the 22nd ultimo.

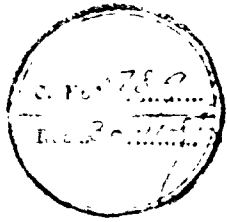
Laying New Permanent way over Girder
Bridges on the South West and N. W. Lines.

I have the honour to be,
Sir,
Your most obed. Servant,

Henry Wood

Ag. Agent & Manager.

Enclosure.



101

By order of the

under the

Amount of money at disposal
of the Government of Madras
may be used for the purpose of
constructing a bridge over the

which was first commenced in the year
1876 and is now nearly completed

at a cost of Rs. 886,625
and is now nearly completed

and is now nearly completed

Madras Railway
Engineering Department
Division West Line

Completion Report No.
Name of work. For Improved Permanent Way for Girders
Bridges on the Madras Railway
Amount of Estimate. Rs. 886,625.
Expenditure Rs. 744,209
Difference 144,416.
Percentage of Excess (if any)
Date of commencement July 1876
Date of completion. The unfinished portion of this work
has been abandoned.

Forwarded to the Chief Engineer, Madras Railway,
for verification as this office No. dated.

(Signed) Secy
for Chief Engr
M. R.

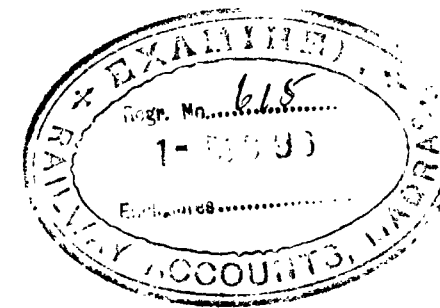
Returned to the Chief Engineer Madras Railway
duly verified.

(Signed) J. C. C. C.
for Chief Engineer
M. R.

26 Dec. 1896.

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,

Madras, 30th November 1896.



No. 3802.

OFFICE NOTE.

Letter from the Agent, Manager Madras Railway, No. $\frac{9566}{1063}$
dated 27th November 1896, forwarded to the Examiner of Railway
Accounts for favour of remarks.

CMA $\frac{20}{11}$

for E. R.

EXAMINER'S REPLY.

What was apparently re-
quired by the Govt. of India is
a statement shewing in detail
the actual work done against
the estimate, and the balance
unfinished; but as no further
outlay will be incurred again-
st the work the completion
report as submitted by the Com.
will probably satisfy the Govt.
of India.

It should be pointed out
that the estimate as revised
from time to time now
stands

4/12

stands at Rs 8,56,625 against
Rs 9,01,847 as originally
sanctioned

Enclure

C.R.
3.12.96.

(No.)
No. R 20

789

MADRAS RAILWAY. No. 35a

AGENT AND MANAGERS' OFFICE,

Madras, 7th September 1896

From

To the Agent and Manager.
M.R.B.

To

The Consulting Engineer for Railways.

SIR,

With reference to correspondence ending with your letter No. 2705 of the 2nd instant, I have the honour to enclose statements shewing

- (1) the number of bridges which have been fitted with the new permanent way up to the 31st March last.
- (2) the bridges which have not been so fitted and
- (3) the cost of laying the new permanent way on bridges which have not yet been fitted with it.

The As. Chief Engineer in forwarding this information writes:-
Of the sanctioned estimate for Rs 9,01,847 a sum of Rs 3,94,840 has been expended to date, while materials of the value of Rs 60,323 still remain in

stan
Rs 9.0
same.

in hand.

I would however recommend that no further outlay should be incurred on this work for the following reasons:-

(1st) The new permanent way super-structures have not proved satisfactory in use.

In spans of 30 feet and under rolled cross beams are fastened by brackets to the webs of the girders which are of course very thin, and the rivets and connections consequently work loose.

While in the larger spans the countersunk rivets which secure the rolled beams to the flanges are also found to continually get loose.

(2nd) There is much more difficulty and trouble experienced in renewing the longitudinal timbers on which the rails are carried on bridges fitted with new Permanent way than ordinary cross sleepers.

(3rd) The iron cross beams which support the longitudinal timbers that carry the rails are in all

new?

Sta
No. 9.
San

From
The Agent and Manager.
MADRAS RAILWAY.
To
The Consulting Engineer
for Railways.
Dated
188
Recd.
No.

new Permanent way Bridges 4 feet
apart centre to centre, while the
diameter of wagon wheels is 3' 7",
so that if a derailment occurred
on any Bridge fitted with New
Permanent way it is almost cer-
tain that the wheels of the first
vehicle which got off the rails
would drop between the wrought
Iron cross beams as illustrated
in the enclosed diagram, and so
wreck those following, and possibly
the Bridge also.

(4th) The ordinary cross sleeper road
is cheaper in first cost, more easily
maintained, and much safer, as
in several instances on this Rail-
way derailed vehicles have run
safely over girder Bridges laid
with cross sleepers; and finally
these are smoother and less
noisy to run over.

I regret the unavoidable
delay that has taken place in
answering your above quoted letter,
as

Sta
Co g.
San

Dated
Recd.

No.

188

for Railways.

The Consulting Engineer

To

The Agent and Manager.

From

MADRAS RAILWAY.

as before doing so I wished to have
accurate list of Bridges done, and
to be done, made and checked, and
this has occupied considerable time.

I have the honor to be,
Sir,
Your most Obedt Servt.

Secy West.
Agent & Manager

CR.

AM. has submitted a stat^t of
Bridges filled with the new P. Plan
and he states in his letter
that the cost has been 3,54,840/-
has been expended and remaining
valued at 63,320/- as is
hand - will find in acc^t
this as a "Completion ^{stat} schedule"
as asked for in 528 Re. 200
shall if you think well
draft - further to my view
W. 15/8

Encl. 3 Statements
of Plan

W. 15/8

W. 15/8

Sta
No 9
san

3875
8/9/96

Encl 4

MAADRAS RAILWAY.
From
To
The Agent and Manager.
The Consulting Engineer
for Railways.
Dated
Reel.
No. 188

Madras Railway.

Summary of Bridges on the Madras Railway
that are not fitted with New Permanent Way.

9 feet openings No 84 spans.
12 " do " 93 " "
15 " do " 18 " "
20 " do " 83 " "
22 " do " 7 " "
30 " do " 43 " "
50 " do " 2 " "
64 " do " 27 " "
Two 20 and one 50 feet 1 " "
One 20 and five 64 feet 1 " "

Chief Engineer's Office } (Signed) E. W. Honey.
4th September 1896. } Ag. Chief Engineer
/ True copy /

Accept, Clerk
Ag. Agent & Manager.

OS 539
OS 540
OS 541

OS 542

789 3875-1006
7.9.86

Summary of Bridges on the Madras Railway
fitted with New Permanent Way up to the 31st
March 1896.

12 " do " 176 " "

15 _____ do _____ " 31 _____ "

20 — " — do — " — 99 — " —

22 _____ do _____ " 33 _____ " _____

30 — " — do — " — 126 — " —

50 " " 10 " " 13 " "

64 — " — do — " — 219 — " —

(Signed) E. W. Storey,
Ag. Chief Engineer

1 True Copy - 1

Harry C. Wash
Ag. Agent & Manager.

True

2875
 789
 7.9.96

Madras Railway. Estimate for laying New Permanent Way still to be laid on Bridges

I. Estimated cost of laying New Permanent Way on remaining
 Bridges that are sanctioned as per Government of India
 Letter N^o 3043 R. dated 11th December 1875

9 feet openings N ^o 77 spans @ 265/- each	20,405
12 " " " 90 " " @ 357/- " "	32,130
15 " " " 10 " " @ 402/- " "	4,020
20 " " " 55 " " @ 526/- " "	28,930
30 " " " 37 " " @ 1531/- " "	56,647
50 " " " 2 " " @ 2431/- " "	4,862
64 " " " 23 " " @ 2305/- " "	53,015
Two 20 and one 50 feet N ^o 1 span @ 3,262/- " "	3,262

203,271

Note (a) The undernoted Bridges included in the above esti-
 mate were excluded by the Chief Engineer after sanc-
 tion was obtained. It being decided not to lay
 New Permanent way on them.

9 feet openings N^o 2 spans.
 12 " " " 23 " "
 20 " " " 5 " "
 50 " " " 2 " "

(b) The undernoted Bridges included in the above
 Estimate were formerly laid with New Per-
 manent Way, but this was removed when
 the Bridges were strengthened.

20 feet openings N^o 3 spans.
 22 " " " 7 " "

Carried over R. 203,271

3 3875-136
789 7.9.96
Brought forward Rupees 2,327

II. Estimated cost of laying a few Permanent Way on Bridges that were not included in the sanction for Rupees 9,01,847/- mentioned above.

9 feet openings No 7 Spans @ 265/- each	1,855
12 " " " 3 " " @ 357/- " "	1,071
15 " " " 8 " " @ 402/- " "	3,216
20 " " " 28 " " @ 526/- " "	11,728
22 " " " 7 " " @ 540/- " "	3,780
30 " " " 6 " " @ 1,531/- " "	9,186
64 " " " 4 " " @ 2,366/- " "	9,464
One 20, and five 64 feet 1 " " @ 12,620/- " "	12,620
	55,920

Total Rupees 259,191

Chief Engineer's Office
14 September 1896.

(Signed) E. W. Honey,
Ag. Chief Engineer

1 True Copy

Received
Ag. Agent & Manager.

B. FORM No. 12.

No. 1027-6-49

Government of Madras.

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

To
THE SECY. TO THE GOVT. OF INDIA,
P. W. DEPARTMENT.

Madras, the 8th December 1896.

SIR,

With reference to your letter No. 528 R.C. of 20th April 1896, I am directed to forward herewith the completion report of the work done in improving the Permanent way over the side bridges on the South West and North West lines of the Bangalore Rly. upto 31st March 1896 and to state that the estimate as revised from time to time now stands at Rs 8,86,625 against Rs 9,01,847 originally sanctioned.

2- A copy of a letter from the Agent and Manager Madras Rly. is attached in which he puts forward reasons for his recommendation that no more further outlay should be incurred on this work. I am to say that this Govt. concurs in the view expressed by the Agent.

Documents are

- (1) Completion Report.
- (2) Copy of agent's letter referred to with enclos.

Accepted 8/12/96

M. 12
4-12-96

Public Works (1897) Department.

CURRENT No. 838

Order No. 324 of 26.1.97.

Copy forwarded to the
Agent & Manager Madras
Railway for information.

2. The completion report
is herewith ~~and~~ returned
for record in the accounts
of the Govt. of India.

Copy to CR for information.

25/1/97

PER
25-1-97

for

26/1/97

25/1/97

From
The Govt of India
G. W. D.

No. 86 R.C.

Dated 16th January 1897

Received 23.1.97

Enclosures one

Spare copies

SUBJECT.

Bridge bridges on the
Madras Railway

Passing orders on the
completion report
relating to the improvement
of the G. W. D. over the

Rf.
No. 1027. Dated 9.12.96

11.

[illegible]

4

[illegible]

01321's

7/23/15

Calcutta, the 16th January 1897.

Sir,

Sir,

I am directed to acknowledge the receipt of your letter No.1027 R.,dated 8th December 1896 forwarding a completion report,amounting to Rs.7,42,209,of the work done in improving the permanent way over the girder bridges on the South West and North West lines of the Madras railway up to the 31st March 1896,together with copy of letter from the Agent of the Railway Company recommending that no further outlay should be incurred on the work,in which view,it is stated,the Government of Madras concur.

2. In reply, I am to say that the Government of India approve of the proposal that no further outlay should be incurred on the work in question, and that the completion report, which is herewith returned, should, therefore, be disposed of locally, the accounts of the works closed and the items omitted from future lists of Open Capital sanctions.

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

J. A. Anderson

Under Secretary.

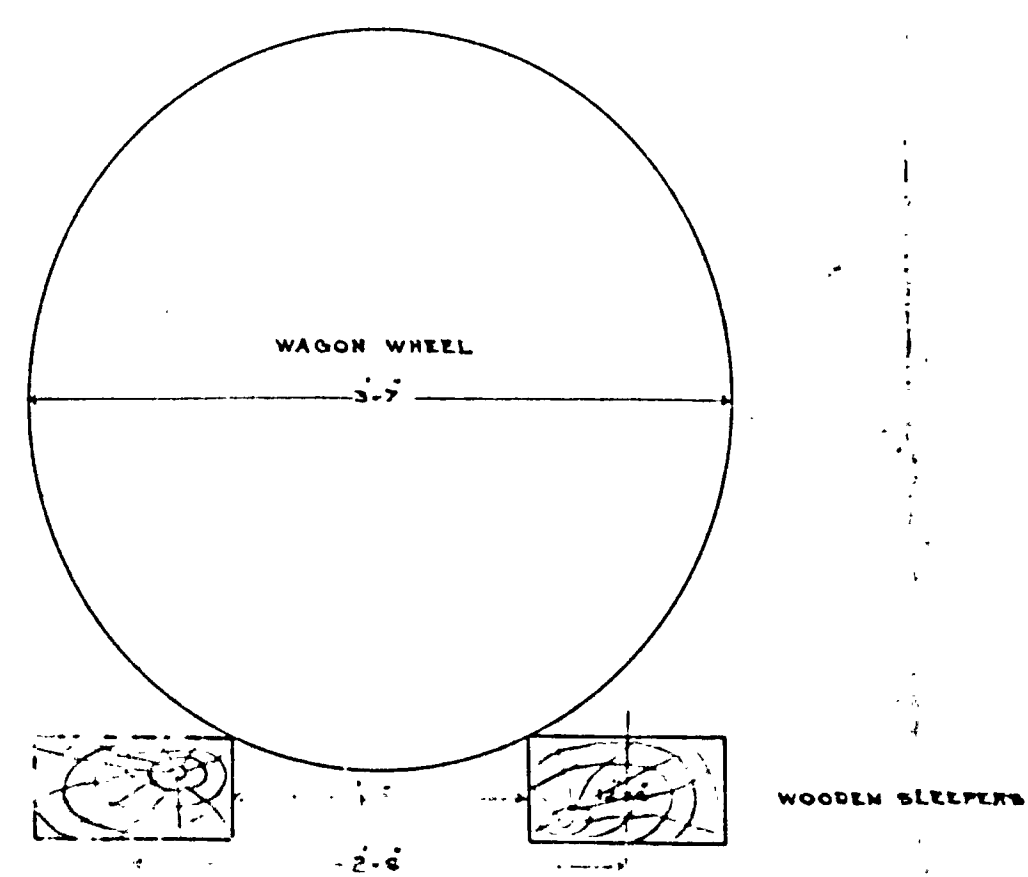
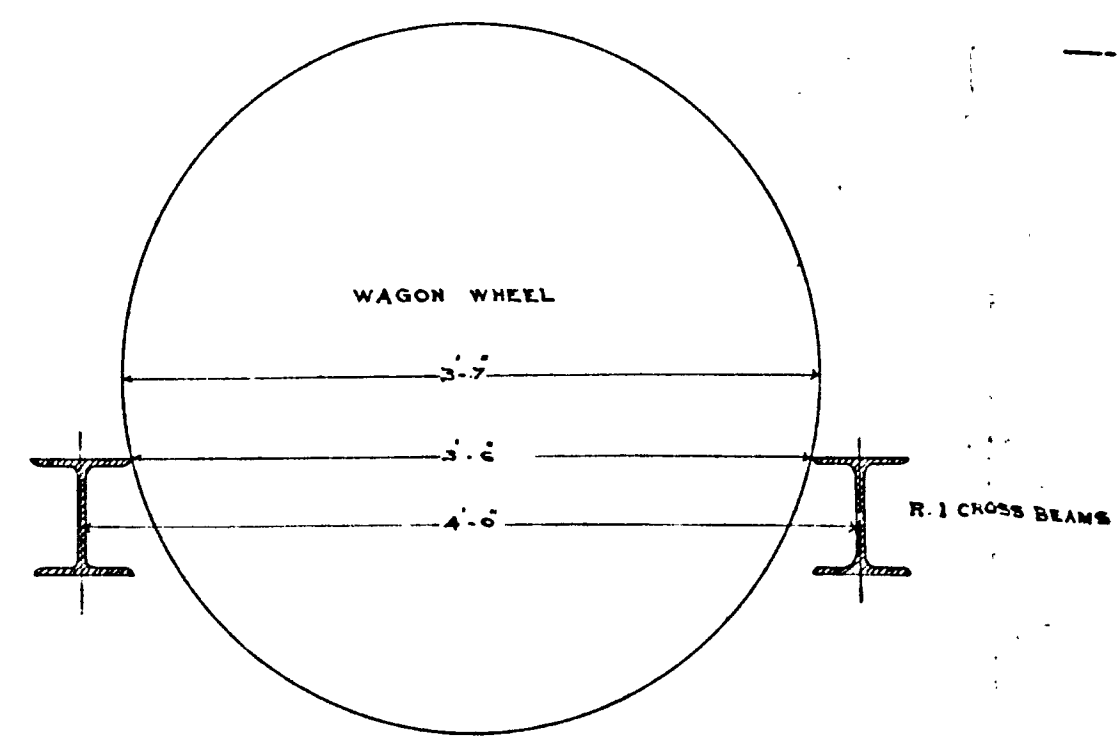
Document accompanying:-
Completion report (in original).

AD

DIAGRAM TO ACCOMPANY CHIEF ENGINEER'S LETTER NO. 1119

E. P. Conway
AG: CHIEF ENGINEER

4 SEPTEMBER 1896



SCALE 1 FOOT = 1 INCH

To Ellen, Ep 6

Aug 7-9-86

Am

THE CHURCH OF THE YACHTSMEN OF NEW YORK