Section,

Department.

Sectt. II-1.

Reference Issued.			Reply or further communication.			
m and sub-mber. (9)	Date. (10)	To whom. (11)	Current number and date. (12)	From whom. (13)	Outside number and date. (14)	Nature, number and date of final disposal. (15)
			P.W (Railway)			
			G.O No 186-87		6/2/1890	
			Registered and Rest			
			28/4/63			

8TH FEBRUARY 1890, No. 208 R., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From the Consulting Engineer for Railways, dated Madras, 3rd February 1890, No. 84.

SCHEDULE of Estimates sanctioned on the Madras Railway up to 31st December 1889.

MADRAS RAILWAY.

SCHEDULE of Works sanctioned or in progress up to 31st December 1889, under the authority of the Madras Government, prepared in accordance with para. 13 of P.W.D. Circular No. 42 of 1880—G.O., No. 22 R., dated 10th January 1881. Limit of cost of each work to be sanctioned by above authority, Rs. 25,000 (*vide* G.O., No. 4 R., dated 9th January 1889).

Register No.	Authority and Date.	Description of Work.	ESTIMATE.						Date of lapse of sanction.	REMARKS. It should be stated in this column whether in progress or completed.
			CAPITAL.			REVENUE.				
			Cash.	Stores.	Total.	Cash.	Stores.	Total.		
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.		
1	C.E. No. 490, dated 26th July 1887.	Electric-starting semaphore signal interlocked with block instruments required for the trial stations opened during 1887-88.	1,312 0 0	3,424 0 0	4,736 0 0	..	..	..	25th July 1891.	In progress.
2	Do. do. ..	Electric-starting semaphore signal interlocked with block instruments required at stations on the Calicut extension.	492 0 0	1,284 0 0	1,776 0 0	..	..	..	31st Dec. 1889.	Completed
3	Do. do. ..	Block instruments, stores, &c., required for fitting up trial stations opened during 1887-88.	1,288 0 0	1,480 0 0	2,768 0 0	..	..	..	25th July 1891.	In progress.
4	Do. do. ..	Instruments, stores, &c., required for opening telegraph offices at stations on the Calicut extension.	926 0 0	1,069 0 0	1,995 0 0	..	..	..	25th ,, 1889.	Completed.
5	C.E. No. 830, dated 29th November 1887.	Erecting posts, wires, &c., for electric-starting semaphore signal and bell circuits on the Calicut extension.	319 0 0	983 0 0	1,302 0 0	..	..	..	31st Dec. ,,	Do.
6	C.E. No. 881, dated 21st December 1887.	Electric-starting semaphore signals interlocked with block instruments for Pálghat station.	332 0 0	341 0 0	673 0 0	..	..	..	31st ,, ,,	Do.
7	Do. do. ..	Rail posts, wires, instruments, &c., required for opening telegraph offices, block and bell circuits on Pálghat extension.	635 0 0	1,429 0 0	2,064 0 0	..	..	..	31st ,, ,,	Do.
8	C.E. No. 437, dated 13th June 1888.	Platform at Connur station	3,034 0 0	1,936 0 0	4,970 0 0	82 0 0	..	82 0 0	30th Sept. ,,	Do.
9	C.E. No. 587, dated 6th August 1888.	Extension of platform and through siding at Nagari.	1,034 0 0	1,603 0 0	2,637 0 0	589 0 0	464 0 0	1,053 0 0	30th ,, ,,	Do.
10	G.O., No. 741 R., dated 8th September 1888.	Foot-bridge at the west end of Perambúr works.	817 0 0	6,221 0 0	7,038 0 0	22 0 0	..	22 0 0	31st Dec. ,,	Do.
11	C.E. No. 746, dated 21st September 1888.	Pointsmen's huts at Matmari station ..	..	..	..	711 0 0	404 0 0	1,115 0 0	30th Sept. ,,	Do.
12	C.E. No. 747, dated 21st September 1888.	Do. at Kósgi station ..	..	..	..	709 6 0	402 10 0	1,112 0 0	31st Dec. ,,	Do.
13	C.E. No. 748, dated 21st September 1888.	Do. at Ráyalcheru station ..	..	..	..	687 8 0	403 8 0	1,091 0 0	31st Mar. ,,	Do.
14	C.E. No. 756, dated 22nd September 1888.	Station-house, &c., at Tyakal station ..	3,069 8 0	1,562 8 0	4,632 0 0	..	..	..	30th Sept. ,,	Do.
15	C.E. No. 764, dated 24th September 1888.	Proposed pointsmen's huts at Tungabhadra.	..	..	..	710 0 0	404 0 0	1,114 0 0	30th June ,,	Do.
16	C.E. No. 766, dated 24th September 1888.	Catch-siding at Kuppam	1,352 0 0	2,087 0 0	3,439 0 0	..	..	..	31st Dec. ,,	In progress.
17	C.E. No. 771 A, dated 24th September 1888.	Pointsmen's huts at Aspari station ..	..	..	..	703 0 0	404 0 0	1,107 0 0	30th June ,,	Completed.
18	G.O., No. 756 R., dated 15th September 1888.	Two guards' bungalows at Gooty (each at Rs. 5,088).	8,354 0 0	1,822 0 0	10,176 0 0	..	..	..	30th Sept. ,,	Do.
19	C.E. No. 800, dated 4th October 1888.	Stationmaster's house at Matmari ..	..	..	..	657 0 0	429 0 0	1,086 0 0	30th June ,,	Do.
20	C.E. No. 811, dated 6th October 1888.	Pointsmen's huts at Nancherla ..	..	..	..	701 0 0	404 0 0	1,105 0 0	30th ,, ,,	Do.
21	C.E. No. 812, dated 6th October 1888.	Stationmaster's house at Aspari ..	..	..	..	718 0 0	428 0 0	1,146 0 0	30th ,, ,,	Do.
22	C.E. No. 813, dated 6th October 1888.	Do. at Nancherla ..	..	..	..	717 0 0	429 0 0	1,146 0 0	30th ,, ,,	Do.
23	C.E. No. 814, dated 6th October 1888.	Double house for the Stationmaster at Nandalúr.	..	..	..	1,316 0 0	442 0 0	1,758 0 0	30th ,, ,,	Do.
24	C.E. No. 815, dated 6th October 1888.	A double house for the Stationmaster at Kósgi.	..	..	..	1,363 0 0	442 0 0	1,805 0 0	31st Dec. ,,	Do.
25	G.O., No. 782 R., dated 25th September 1888.	Staff quarters at Gooty	4,357 0 0	1,728 0 0	6,085 0 0	110 0 0	..	110 0 0	30th Sept. ,,	Do.
26	C.E. No. 19, dated 9th January 1889.	Protective works considered emergent at 201-12 to 203-11 miles, North-west line.	2,511 0 0	394 0 0	2,905 0 0	4,916 0 0	..	4,916 0 0	31st Mar. 1890.	In progress.
27	C.E. No. 25, dated 11th January 1889.	Opening direct telegraph communication on the Morse wire between Ráyapuram, Vyasarpady, Perambúr and Madras.	..	..	..	135 0 0	239 0 0	374 0 0	10th Jan. ,,	Completed.
28	C.E. No. 36, dated 11th January 1889.	Extension of platform, &c., at Singanallur.	..	..	..	1,253 0 0	315 0 0	1,568 0 0	30th Sept. 1889.	Do.
29	C.E. No. 37, dated 14th January 1889.	Single house for Stationmaster at Kagankarai, South-west line.	..	..	..	746 0 0	267 0 0	1,013 0 0	30th ,, ,,	Do.
30	C.E. No. 38, dated 14th January 1889.	Single house for the Assistant Stationmaster at Púdi, North-west line.	..	..	..	909 0 0	266 0 0	1,175 0 0	30th ,, ,,	Do.
31	C.E. No. 39, dated 14th January 1889.	Extension of platform at Tiruvallam, South-west line.	..	..	..	669 0 0	649 0 0	1,318 0 0	30th June ,,	Do.
32	G.O., No 71 R., dated 22nd January 1889.	Alterations and additions to sidings at Kolar road, Bangalore branch.	1,861 0 0	7,622 0 0	9,483 0 0	205 0 0	..	205 0 0	30th Sept. ,,	Do.
33	C.E. No. 100, dated 29th January 1889.	Cross-over road at Pódanúr	350 0 0	2,397 0 0	2,747 0 0	..	..	..	30th June ,,	Do.
34	G.O., No. 127 R., dated 1st February 1889.	Station-house, &c., at Ulli	3,630 0 0	4,307 0 0	7,937 0 0	..	..	..	31st Mar. 1890.	In progress.
35	G.O., No. 111 R., dated 1st February 1889.	Single needle instruments, &c., required for opening telegraph offices at trial and additional stations to meet the requirements of Traffic department.	4,122 0 0	3,588 0 0	7,710 0 0	..	..	..	31st ,, 1891.	Do.
36	C.E. No. 152, dated 18th February 1889.	Converting station-house into goods shed and goods shed into station-house at Tirúr.	..	..	..	570 0 0	710 0 0	1,280 0 0	30th Sept. 1889.	Completed.
37	C.E. No. 153, dated 18th February 1889.	Horse and carriage dock siding at Guntakal junction.	..	..	..	213 0 0	1,774 0 0	1,987 0 0	30th June ,,	Do.
38	G.O., No. 218 R., dated 26th February 1889.	Overbridge at the east end of Perambúr.	591 0 0	4,831 0 0	5,422 0 0	..	..	..	31st Mar. 1890.	In progress.
39	C.E. No. 212, dated 9th March 1889.	Substituting a derrick for a lay-bye at Mangalam station.	..	..	..	558 0 0	1,228 0 0	1,786 0 0	30th Sept. 1889.	Completed.

Schedule of Works sanctioned or in progress up to 31st December 1889, under the authority of the Madras Government, &c.—*cont.*

Register No.	Authority and Date.	Description of Work.	ESTIMATE.						Date of lapse of sanction.	Remarks. It should be stated in this column whether in progress or completed.
			Capital.			Revenue.				
			Cash.	Stores.	Total.	Cash.	Stores.	Total.		
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
40	G.O., No. 328 R., dated 25th March 1889.	A tiffin-room at Perambúr station ..	3,496 0 0	3,504 0 0	7,000 0 0	..	..	..	31st Mar. 1890.	In progress.
41	C.E. No. 321, dated 9th April 1889.	Enlarging and deepening locomotive well No. 2 at Salem.	2,125 0 0	..	2,125 0 0	422 0 0	..	422 0 0	30th Sept. 1889.	Completed.
42	G.O., No. 379 R., dated 16th April 1889.	Station-house, &c., at Krishnapuram station.	3,035 0 0	2,841 0 0	5,876 0 0	11 0 0	..	11 0 0	30th June 1890.	In progress.
43	C.E. No. 355, dated 17th April 1889.	Locomotive Foreman's bungalow at Gooty.	..	..	..	3,333 0 0	1,939 0 0	5,272 0 0	30th ,, ,,	Do.
44	G.O., No. 464 R., dated 26th April 1889.	Thirty-ton weigh-bridge and siding at Bangalore pettah.	1,071 0 0	5,428 0 0	6,499 0 0	..	..	..	31st Dec. 1889.	Completed.
45	C.E. No. 406, dated 8th May 1889.	Weigh-bridge and alteration of cross-over road at Kolar road, Bangalore branch.	348 0 0	2,831 0 0	3,179 0 0	270 0 0	..	270 0 0	30th June 1890.	In abeyance.
46	G.O., No. 527 R., dated 10th May 1889.	Thirty-ton weigh-bridge and siding at Guntakal junction.	894 0 0	5,689 0 0	6,583 0 0	..	..	..	31st Dec. 1889.	Completed.
47	G.O., No. 552 R., dated 15th May 1889.	Station-house, &c., at Vanganur ..	10,089 0 0	12,393 0 0	22,482 0 0	..	..	..	30th June 1890.	In progress.
48	G.O., No. 559 R., dated 17th May 1889.	Crane lines, &c., in the General Stores yard at Ráyapuram.	232 0 0	4,991 0 0	5,223 0 0	..	..	..	30th Sept. 1889.	Completed.
49	G.O., No. 560 R., dated 17th May 1889.	Alteration of the main line and additional sidings at Kolar road.	2,738 0 0	7,047 0 0	9,785 0 0	200 0 0	..	200 0 0	31st Dec. ,,	Do.
50	C.E. No. 466, dated 28th May 1889.	A new saloon carriage in replacement of the one sold to His Highness Aga Khan.	2,530 0 0	4,250 0 0	6,780 0 0	..	..	..	14th April ,,	Do.
51	G.O., No. 588 R., dated 22nd May 1889.	Extension of platform and through siding at Ottapalam.	1,194 0 0	2,387 0 0	3,581 0 0	44 0 0	..	44 0 0	31st Dec. ,,	Do.
52	C.E. No. 484, dated 3rd June 1889.	Five-ton crane at Rénigunta	295 0 0	2,640 0 0	2,935 0 0	..	..	..	31st ,, ,,	Do.
53	C.E. No. 488, dated 6th June 1889.	Stationmaster's bungalow at Kolar road.	2,188 0 0	939 0 0	3,127 0 0	..	..	..	30th June 1890.	Do.
54	G.O., No. 639 R, dated 5th June 1889.	Extension of through siding at Kanyikód.	1,314 0 0	1,860 0 0	3,174 0 0	33 0 0	..	33 0 0	31st Dec. 1889.	Do.
55	C.E. No. 493, dated 7th June 1889.	Extension of platform and through siding at Vániyambádi.	1,552 0 0	2,469 0 0	4,021 0 0	771 0 0	64 0 0	835 0 0	31st ,, ,,	Do.
56	G.O., No. 642 R., dated 6th June 1889.	Additional siding accommodation required at Kámasamudram.	2,734 0 0	3,791 0 0	6,525 0 0	63 0 0	..	63 0 0	31st ,, ,,	Do.
57	C.E. No. 514, dated 17th June 1889.	Native signaller's bungalow at Guntakal junction.	2,736 0 0	701 0 0	3,437 0 0	..	..	..	30th June 1890.	In progress.
58	C.E. No. 515, dated 17th June 1889.	Extension of platform and through siding at Peddapád.	1,577 0 0	3,246 0 0	4,823 0 9	33 0 0	..	33 0 0	31st Dec. 1889.	Completed.
59	C.E. No. 516, dated 17th June 1889.	Extension of through siding at Tiruvallam.	1,290 0 0	1,585 0 0	2,875 0 0	16 0 0	..	16 0 0	31st ,, ,,	Do.
60	C.E. No. 528, dated 20th June 1889.	Harness-maker's sewing machine and ten Ebrahardt's portable weighing-machines.	..	..	..	..	2,525 0 0	2,525 0 0	31st July ,,	Do.
61	G.O., No. 684 R., dated 18th June 1889.	Extension of platform and through siding at Kuttipuram.	1,914 0 0	3,235 0 0	5,149 0 0	154 0 0	..	154 0 0	31st Dec. ,,	Do.
62	C.E. No. 572, dated 8th July 1889.	Extension of platform and through siding at Tirutani.	..	..	..	334 0 0	535 0 0	869 0 0	31st Mar. 1890.	Do.
63	Do. do. ..	Goods shed siding at Tirutani ..	..	..	..	168 0 0	1,213 0 0	1,381 0 0	31st ,, ,,	Do.
64	C.E. No. 593, dated 13th July 1889.	Platform at Aryanur station	1,391 0 0	1,342 0 0	2,733 0 0	..	..	..	31st ,, ,,	Do.
65	C.E. No. 594, dated 13th July 1889.	Extension of goods shed lay-bye at Yerraguntla.	261 0 0	2,151 0 0	2,412 0 0	..	..	..	31st ,, ,,	Do.
66	C.E. No. 595, dated 13th July 1889.	Raising the ground for loading purposes at Kolar road.	..	..	..	1,188 0 0	..	1,188 0 0	31st ,, ,,	In progress.
67	C.E. No. 625, dated 26th July 1889.	An emergency stock shed at Gooty ..	..	..	..	920 0 0	974 0 0	1,894 0 0	31st ,, ,,	Do.
68	G.O., No. 800 R., dated 25th July 1889.	Through siding at Tyakal station ..	1,551 0 0	6,251 0 0	7,802 0 0	49 0 0	..	49 0 0	31st ,, ,,	Do.
69	C.E. No. 643, dated 2nd August 1889.	Additional shelves for roof lamps at Raichur.	..	..	..	30 0 0	244 0 0	274 0 0	31st Dec 1889.	Completed.
70	C.E. No. 659, dated 12th August 1889.	Extension of the goods godown and loading bank at Sankaridrug.	1,359 0 0	1,139 0 0	2,498 0 0	..	..	..	31st Mar. 1890.	In progress.
71	C.E. No. 660, dated 12th August 1889.	Reconstruction of the single 9-feet opening at 2/8 miles, South-west line.	..	..	..	2,441 0 0	..	2,441 0 0	31st ,, ,,	Do.
72	C.E. No. 661, dated 12th August 1889.	Verandah to the Assistant Traffic Manager's bungalow at Gooty.	..	..	..	709 0 0	353 0 0	1,062 0 0	31st ,, ,,	Do.
73	C.E. No. 662, dated 12th August 1889.	Extension of the goods-shed at Erode station.	2,117 0 0	1,569 0 0	3,686 0 0	22 0 0	..	22 0 0	31st ,, ,,	Do.
74	C.E. No. 663, dated 12th August 1889.	Raising the pitching of the Ambatór tank from 10/6 to 10/13 and 10/20 to 11/8 miles.	3,267 0 0	..	3,267 0 0	..	..	..	31st ,, ,,	Do.
75	C.E. No. 664, dated 12th August 1889.	Extension of a laterite siding at Ráyapuram.	..	..	..	300 0 0	1,342 0 0	1,642 0 0	31st Dec. 1889.	Completed.
76	C.E. No. 681, dated 17th August 1889.	Altering the old shed lately used by the Cash department at Salt Cotaurs.	..	..	..	404 0 0	600 0 0	1,004 0 0	31st ,, ,,	Do.
77	G.O., No. 1082 R., dated 8th October 1889.	Alterations and additions to locomotive sidings, &c., at Jalárpet.	1,268 0 0	6,974 0 0	8,242 0 0	3,793 0 0	349 0 0	4,142 0 0	31st ,, 1890.	In progress.
78	C.E. No. 851, dated 17th October 1889.	Fixing a crane capable of lifting five tons at Salem.	281 0 0	2,640 0 0	2,921 0 0	..	..	..	31st Mar. ,,	Do.
79	C.E. No. 855, dated 17th October 1889.	Fixing a crane capable of lifting three tons at Tirúr.	202 0 0	2,046 0 0	2,248 0 0	..	..	..	30th June ,,	Not commenced.
80	C.E. No. 857, dated 17th October 1889.	Pointsmen's and scavengers' huts and latrine at Mallapuram.	2,762 0 0	736 0 0	3,498 0 0	..	..	..	31st Dec. ,,	In progress.
81	C.E. No. 858, dated 17th October 1889.	Lay-bye, loading bank and goods godown at Kupgal.	1,565 0 0	3,129 0 0	4,694 0 0	..	..	..	30th June ,,	Do.
82	G.O., No. 1146 R., dated 22nd October 1889.	Additional siding and cross-over road at Arkónam.	2,789 0 0	4,903 0 0	7,692 0 0	204 0 0	..	204 0 0	30th ,, ,,	Do.
83	G.O., No. 1155 R., dated 25th October 1889.	Proposed waiting sheds at Perambúr ..	1,610 0 0	5,668 0 0	7,278 0 0	..	..	..	31st Dec. ,,	Do.
84	C.E. No. 936, dated 8th November 1889.	A tank-house on 15 feet arch bridge No. 242 near the Pennér bridge.	2,222 0 0	135 0 0	2,357 0 0	..	..	..	30th June ,,	Do.

Schedule of Works sanctioned or in progress up to 31st December 1889, under the authority of the Madras Government, &c.—*cont.*

Register No.	Authority and Date.	Description of Work.	ESTIMATE. Total.	REVENUE. Cash.	REVENUE. Stores.	REVENUE. Total.	Date of lapse of sanction.	REMARKS. It should be stated in this column whether in progress or completed.
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
85	C.E. No. 952, dated 13th November 1889.	Tank-house to be erected on 20 feet arch bridge No. 180 near the Chitrávati bridge.	..	2,331 0 0	127 0 0	2,458 0 0	30th June 1890	In progress.
86	C.E. No. 953, dated 13th November 1889.	Extension of through siding at Coimbatore.	2,122 0 0	144 0 0	..	144 0 0	30th ,,	Do.
87	C.E. No. 958, dated 14th November 1889.	Extension of through siding at Gudiyáttam.	2,059 0 0	62 0 0	..	62 0 0	30th ,,	Do.
88	C.E. No. 968, dated 18th November 1889.	Workshop along the engine shed at Rénigunta.	1,391 0 0	..	..	..	30th ,,	Do.
89	C.E. No. 983, dated 23rd November 1889.	Loading bank and goods godown at Somanur.	1,491 0 0	..	..	..	30th ,,	Do.
90	C.E. No. 984, dated 23rd November 1889.	Goods godown at Madukarai	1,201 0 0	..	..	..	30th ,,	Do.
91	C.E. No. 993, dated 28th November 1889.	Extension of through siding at Tirupatúr.	1,087 0 0	98 0 0	..	98 0 0	30th ,,	Do.
92	C.E. No. 994, dated 28th November 1889.	Extension of platform at Tudiyalur ..	1,575 0 0	44 0 0	..	44 0 0	30th ,,	Do.
93	C.E. No. 995, dated 28th November 1889.	Extension of platform at Kadiampatti ..	1,343 0 0	77 0 0	..	77 0 0	30th ,,	Do.
94	C.E. No. 998, dated 29th November 1889.	Extension of through siding at Sholinghur.	2,737 0 0	16 0 0	..	16 0 0	30th ,,	Do.
95	C.E. No. 999, dated 29th November 1889.	Extension of platform at Chinnammápet.	3,031 0 0	154 0 0	..	154 0 0	30th ,,	Do.
96	G.O., No. 1330 R., dated 3rd December 1889.	Siding and cross-over road at Olavakód.	6,884 0 0	..	..	..	30th ,,	Do.
97	C.E. No. 1027, dated 7th December 1889.	Auxiliary well of 20 feet diameter to be constructed at Bangalore.	..	1,102 0 0	332 0 0	1,434 0 0	30th ,,	Not commenced.
98	C.E. No. 1037, dated 11th December 1889.	Stationmaster's house at Urumpad ..	1,178 0 0	..	..	..	30th ,,	Do.
99	C.E. No. 1055, dated 13th December 1889.	Stationmaster's house at Reddipalli ..	1,178 0 0	..	..	..	30th ,,	Do.
100	C.E. No. 1078, dated 20th December 1889.	Waiting shed at Gúdalúr on the Nilgiri branch.	1,269 0 0	..	..	..	30th ,,	Do.
101	G.O., No. 1414 R., dated 20th December 1889.	Permanent station at Penner	16,110 0 0	183 0 0	..	183 0 0	31st Dec. ,,	Do.
102	C.E. No. 1089, dated 21st December 1889.	Extension of the platform and through siding at Kamalapuram.	2,373 0 0	33 0 0	..	33 0 0	30th June ,,	Do.
103	C.E. No. 1090, dated 21st December 1889.	Extension of the platform and through siding at Kondapuram.	1,881 0 0	33 0 0	..	33 0 0	30th ,,	Do.
		Total amount of sanctions granted up to date.	3,14,912 0 0	40,158 14 0	21,101 2 0	61,260 0 0		

			Rs.
Budget grant of the year for Capital works	..	..	7,82,500
Total sanctions against the budget grant	..	..	6,16,665
Balance available for future sanctions	..		1,65,835

CAPITAL. Cash.	CAPITAL. Stores.	CAPITAL. Total.
Rs. A. P.	Rs. A. P.	Rs. A. P.
..	..	..
499 0 0	1,633 0 0	2,132 0 0
416 0 0	1,643 0 0	2,059 0 0
507 0 0	884 0 0	1,391 0 0
1,268 0 0	223 0 0	1,491 0 0
961 0 0	240 0 0	1,201 0 0
226 0 0	861 0 0	1,087 0 0
797 0 0	778 0 0	1,575 0 0
835 0 0	508 0 0	1,343 0 0
807 0 0	1,930 0 0	2,737 0 0
1,425 0 0	1,606 0 0	3,031 0 0
1,043 0 0	5,841 0 0	6,884 0 0
..	..	..
911 0 0	267 0 0	1,178 0 0
911 0 0	267 0 0	1,178 0 0
1,076 0 0	193 0 0	1,269 0 0
9,503 0 0	6,607 0 0	16,110 0 0
560 0 0	1,813 0 0	2,373 0 0
460 0 0	1,421 0 0	1,881 0 0
1,25,578 8 0	1,86,333 8 0	3,14,912 0 0

(Signed) A. D. G. SHEELEY, Lieut., R.E.,
for Consulting Engineer for Railways.

MADRAS,
3rd February 1890.

Submitted to Government for transmission to the Director-General of Railways.

ORDER—dated 8th February 1890, No. 208 R., Public Works.

Ordered to be forwarded to the Director-General of Railways.

(Here enter No. 209 R., dated 8th February 1890.)

(True Extract.)

(Signed) C. J. SMITH, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

To the Consulting Engineer for Railways.
" Examiner, Guaranteed Railway Accounts.

ENDORSEMENT—dated 8th February 1890, No. 209 R., Public Works.

Forwarded.

(By Order.)

(Signed) C. J. SMITH, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

Exd. J. Moses.
Spare Copies

RAILWAY.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated February, 8th.

Recd. *Encl.*

G.O., 8th Feb. 1890, Nos. 208 R., 209 R.

FEBRUARY.

Estimates

Forwarding schedule of—sanctioned on the Madras Railway up to 31st December 1889.

8TH FEBRUARY 1890, No. 208 R., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From the Consulting Engineer for Railways, dated Madras, 3rd February 1890, No. 84.

SCHEDULE of Estimates sanctioned on the Madras Railway up to 31st December 1889.

MADRAS RAILWAY.

SCHEDULE of Works sanctioned or in progress up to 31st December 1889, under the authority of the Madras Government, prepared in accordance with para. 13 of P.W.D. Circular No. 42 of 1880—G.O., No. 22 R., dated 10th January 1881. Limit of cost of each work to be sanctioned by above authority, Rs. 25,000 (*vide* G.O., No. 4 R., dated 9th January 1889).

Register No.	Authority and Date.	Description of Work.	ESTIMATE.						Date of lapse of sanction.	REMARKS. It should be stated in this column whether in progress or completed.
			CAPITAL.			REVENUE.				
			Cash.	Stores.	Total.	Cash.	Stores.	Total.		
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.		
1	C.E. No. 490, dated 26th July 1887.	Electric-starting semaphore signal interlocked with block instruments required for the trial stations opened during 1887-88.	1,312 0 0	3,424 0 0	4,736 0 0	..	..	..	25th July 1891.	In progress.
2	Do. do. ..	Electric-starting semaphore signal interlocked with block instruments required at stations on the Calicut extension.	492 0 0	1,284 0 0	1,776 0 0	..	..	..	31st Dec. 1889.	Completed
3	Do. do. ..	Block instruments, stores, &c., required for fitting up trial stations opened during 1887-88.	1,288 0 0	1,480 0 0	2,768 0 0	..	..	..	25th July 1891.	In progress.
4	Do. do. ..	Instruments, stores, &c., required for opening telegraph offices at stations on the Calicut extension.	926 0 0	1,069 0 0	1,995 0 0	..	..	..	25th ,, 1889.	Completed.
5	C.E. No. 830, dated 29th November 1887.	Erecting posts, wires, &c., for electric-starting semaphore signal and bell circuits on the Calicut extension.	319 0 0	983 0 0	1,302 0 0	..	..	..	31st Dec. ,,	Do.
6	C.E. No. 881, dated 21st December 1887.	Electric-starting semaphore signals interlocked with block instruments for Pálghat station.	332 0 0	341 0 0	673 0 0	..	..	..	31st ,, ,,	Do.
7	Do. do. ..	Rail posts, wires, instruments, &c., required for opening telegraph offices, block and bell circuits on Pálghat extension.	635 0 0	1,429 0 0	2,064 0 0	..	..	..	31st ,, ,,	Do.
8	C.E. No. 437, dated 13th June 1888.	Platform at Connur station	3,034 0 0	1,936 0 0	4,970 0 0	82 0 0	..	82 0 0	30th Sept. ,,	Do.
9	C.E. No. 587, dated 6th August 1888.	Extension of platform and through siding at Nagari.	1,034 0 0	1,603 0 0	2,637 0 0	589 0 0	464 0 0	1,053 0 0	30th ,, ,,	Do.
10	G.O., No. 741 R., dated 8th September 1888.	Foot-bridge at the west end of Perambúr works.	817 0 0	6,221 0 0	7,038 0 0	22 0 0	..	22 0 0	31st Dec. ,,	Do.
11	C.E. No. 746, dated 21st September 1888.	Pointsmen's huts at Matmari station ..	..	..	..	711 0 0	404 0 0	1,115 0 0	30th Sept. ,,	Do.
12	C.E. No. 747, dated 21st September 1888.	Do. at Kósgi station ...	..	..	..	709 6 0	402 10 0	1,112 0 0	31st Dec. ,,	Do.
13	C.E. No. 748, dated 21st September 1888.	Do. at Ráyalcheru station ..	..	..	..	687 8 0	403 8 0	1,091 0 0	31st Mar. ,,	Do.
14	C.E. No. 756, dated 22nd September 1888.	Station-house, &c., at Tyakal station ..	3,069 8 0	1,562 8 0	4,632 0 0	..	..	..	30th Sept. ,,	Do.
15	C.E. No. 764, dated 24th September 1888.	Proposed pointsmen's huts at Tungabhadra.	..	..	..	710 0 0	404 0 0	1,114 0 0	30th June ,,	Do.
16	C.E. No. 766, dated 24th September 1888.	Catch-siding at Kuppam	1,352 0 0	2,087 0 0	3,439 0 0	..	..	..	31st Dec. ,,	In progress.
17	C.E. No. 771 A, dated 24th September 1888.	Pointsmen's huts at Aspari station ..	..	..	..	703 0 0	404 0 0	1,107 0 0	30th June ,,	Completed.
18	G.O., No. 756 R., dated 15th September 1888.	Two guards' bungalows at Gooty (each at Rs. 5,088).	8,354 0 0	1,822 0 0	10,176 0 0	..	..	..	30th Sept. ,,	Do.
19	C.E. No. 800, dated 4th October 1888.	Stationmaster's house at Matmari ..	..	..	..	657 0 0	429 0 0	1,086 0 0	30th June ,,	Do.
20	C.E. No. 811, dated 6th October 1888.	Pointsmen's huts at Nancherla ..	..	..	..	701 0 0	404 0 0	1,105 0 0	30th ,, ,,	Do.
21	C.E. No. 812, dated 6th October 1888.	Stationmaster's house at Aspari ..	..	..	..	718 0 0	428 0 0	1,146 0 0	30th ,, ,,	Do.
22	C.E. No. 813, dated 6th October 1888.	Do. at Nancherla ..	..	..	..	717 0 0	429 0 0	1,146 0 0	30th ,, ,,	Do.
23	C.E. No. 814, dated 6th October 1888.	Double house for the Stationmaster at Nandalúr.	..	..	..	1,316 0 0	442 0 0	1,758 0 0	30th ,, ,,	Do.
24	C.E. No. 815, dated 6th October 1888.	A double house for the Stationmaster at Kósgi.	..	..	..	1,363 0 0	442 0 0	1,805 0 0	31st Dec. ,,	Do.
25	G.O., No. 782 R., dated 25th September 1888.	Staff quarters at Gooty	4,357 0 0	1,728 0 0	6,085 0 0	110 0 0	..	110 0 0	30th Sept. ,,	Do.
26	C.E. No. 19, dated 9th January 1889.	Protective works considered emergent at 201-12 to 203-11 miles, North-west line.	2,511 0 0	394 0 0	2,905 0 0	4,916 0 0	..	4,916 0 0	31st Mar. 1890.	In progress.
27	C.E. No. 25, dated 11th January 1889.	Opening direct telegraph communication on the Morse wire between Ráyapuram, Vyasarpady, Perambúr and Madras.	..	..	..	135 0 0	239 0 0	374 0 0	10th Jan. ,,	Completed.
28	C.E. No. 36, dated 11th January 1889.	Extension of platform, &c., at Singanallur.	..	..	..	1,253 0 0	315 0 0	1,568 0 0	30th Sept. 1889.	Do.
29	C.E. No. 37, dated 14th January 1889.	Single house for Stationmaster at Kagankarai, South-west line.	..	..	..	746 0 0	267 0 0	1,013 0 0	30th ,, ,,	Do.
30	C.E. No. 38, dated 14th January 1889.	Single house for the Assistant Stationmaster at Púdi, North-west line.	..	..	..	909 0 0	266 0 0	1,175 0 0	30th ,, ,,	Do.
31	C.E. No. 39, dated 14th January 1889.	Extension of platform at Tiruvallam, South-west line.	..	..	..	669 0 0	649 0 0	1,318 0 0	30th June ,,	Do.
32	G.O., No 71 R., dated 22nd January 1889.	Alterations and additions to sidings at Kolar road, Bangalore branch.	1,861 0 0	7,622 0 0	9,483 0 0	205 0 0	..	205 0 0	30th Sept. ,,	Do.
33	C.E. No. 100, dated 29th January 1889.	Cross-over road at Pódanúr	350 0 0	2,397 0 0	2,747 0 0	..	..	..	30th June ,,	Do.
34	G.O., No. 127 R., dated 1st February 1889.	Station-house, &c., at Ulli	3,630 0 0	4,307 0 0	7,937 0 0	..	..	..	31st Mar. 1890.	In progress.
35	G.O., No. 111 R., dated 1st February 1889.	Single needle instruments, &c., required for opening telegraph offices at trial and additional stations to meet the requirements of Traffic department.	4,122 0 0	3,588 0 0	7,710 0 0	..	..	..	31st ,, 1891.	Do.
36	C.E. No. 152, dated 18th February 1889.	Converting station-house into goods shed and goods shed into station-house at Tirúr.	..	..	..	570 0 0	710 0 0	1,280 0 0	30th Sept. 1889.	Completed.
37	C.E. No. 153, dated 18th February 1889.	Horse and carriage dock siding at Guntakal junction.	..	..	..	213 0 0	1,774 0 0	1,987 0 0	30th June ,,	Do.
38	G.O., No. 218 R., dated 26th February 1889.	Overbridge at the east end of Perambúr.	591 0 0	4,831 0 0	5,422 0 0	..	..	..	31st Mar. 1890.	In progress.
39	C.E. No. 212, dated 9th March 1889.	Substituting a derrick for a lay-bye at Mangalam station.	..	..	..	558 0 0	1,228 0 0	1,786 0 0	30th Sept. 1889.	Completed.

Schedule of Works sanctioned or in progress up to 31st December 1889, under the authority of the Madras Government, &c.—*cont.*

Register No.	Authority and Date.	Description of Work.	ESTIMATE.						Date of lapse of sanction.	Remarks. It should be stated in this column whether in progress or completed.
			Capital.			Revenue.				
			Cash.	Stores.	Total.	Cash.	Stores.	Total.		
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
40	G.O., No. 328 R., dated 25th March 1889.	A tiffin-room at Perambúr station ..	3,496 0 0	3,504 0 0	7,000 0 0	..	..	..	31st Mar. 1890.	In progress.
41	C.E. No. 321, dated 9th April 1889.	Enlarging and deepening locomotive well No. 2 at Salem.	2,125 0 0	..	2,125 0 0	422 0 0	..	422 0 0	30th Sept. 1889.	Completed.
42	G.O., No. 379 R., dated 16th April 1889.	Station-house, &c., at Krishnapuram station.	3,035 0 0	2,841 0 0	5,876 0 0	11 0 0	..	11 0 0	30th June 1890.	In progress.
43	C.E. No. 355, dated 17th April 1889.	Locomotive Foreman's bungalow at Gooty.	..	..	..	3,333 0 0	1,939 0 0	5,272 0 0	30th ,, ,,	Do.
44	G.O., No. 464 R., dated 26th April 1889.	Thirty-ton weigh-bridge and siding at Bangalore pettah.	1,071 0 0	5,428 0 0	6,499 0 0	..	..	..	31st Dec. 1889.	Completed.
45	C.E. No. 406, dated 8th May 1889.	Weigh-bridge and alteration of cross-over road at Kolar road, Bangalore branch.	348 0 0	2,831 0 0	3,179 0 0	270 0 0	..	270 0 0	30th June 1890.	In abeyance.
46	G.O., No. 527 R., dated 10th May 1889.	Thirty-ton weigh-bridge and siding at Guntakal junction.	894 0 0	5,689 0 0	6,583 0 0	..	..	..	31st Dec. 1889.	Completed.
47	G.O., No. 552 R., dated 15th May 1889.	Station-house, &c., at Vanganur ..	10,089 0 0	12,393 0 0	22,482 0 0	..	..	..	30th June 1890.	In progress.
48	G.O., No. 559 R., dated 17th May 1889.	Crane lines, &c., in the General Stores yard at Ráyapuram.	232 0 0	4,991 0 0	5,223 0 0	..	..	..	30th Sept. 1889.	Completed.
49	G.O., No. 560 R., dated 17th May 1889.	Alteration of the main line and additional sidings at Kolar road.	2,738 0 0	7,047 0 0	9,785 0 0	200 0 0	..	200 0 0	31st Dec. ,,	Do.
50	C.E. No. 466, dated 28th May 1889.	A new saloon carriage in replacement of the one sold to His Highness Aga Khan.	2,530 0 0	4,250 0 0	6,780 0 0	..	..	..	14th April ,,	Do.
51	G.O., No. 588 R., dated 22nd May 1889.	Extension of platform and through siding at Ottapalam.	1,194 0 0	2,387 0 0	3,581 0 0	44 0 0	..	44 0 0	31st Dec. ,,	Do.
52	C.E. No. 484, dated 3rd June 1889.	Five-ton crane at Rénigunta	295 0 0	2,640 0 0	2,935 0 0	..	..	..	31st ,, ,,	Do.
53	C.E. No. 488, dated 6th June 1889.	Stationmaster's bungalow at Kolar road.	2,188 0 0	939 0 0	3,127 0 0	..	..	..	30th June 1890.	Do.
54	G.O., No. 639 R, dated 5th June 1889.	Extension of through siding at Kanyikód.	1,314 0 0	1,860 0 0	3,174 0 0	33 0 0	..	33 0 0	31st Dec. 1889.	Do.
55	C.E. No. 493, dated 7th June 1889.	Extension of platform and through siding at Vániyambádi.	1,552 0 0	2,469 0 0	4,021 0 0	771 0 0	64 0 0	835 0 0	31st ,, ,,	Do.
56	G.O., No. 642 R., dated 6th June 1889.	Additional siding accommodation required at Kámasamudram.	2,734 0 0	3,791 0 0	6,525 0 0	63 0 0	..	63 0 0	31st ,, ,,	Do.
57	C.E. No. 514, dated 17th June 1889.	Native signaller's bungalow at Guntakal junction.	2,736 0 0	701 0 0	3,437 0 0	..	..	..	30th June 1890.	In progress.
58	C.E. No. 515, dated 17th June 1889.	Extension of platform and through siding at Peddapád.	1,577 0 0	3,246 0 0	4,823 0 0	33 0 0	..	33 0 0	31st Dec. 1889.	Completed.

59	C.E. No. 516, dated 17th June 1889.	Extension of through siding at Tiruvallam.	1,290 0 0	1,585 0 0	2,875 0 0	16 0 0	..	16 0 0	31st ,, ,,	Do.
60	C.E. No. 528, dated 20th June 1889.	Harness-maker's sewing machine and ten Ebrahardt's portable weighing-machines.	..	..	..	..	2,525 0 0	2,525 0 0	31st July ,,	Do.
61	G.O., No. 684 R., dated 18th June 1889.	Extension of platform and through siding at Kuttipuram.	1,914 0 0	3,235 0 0	5,149 0 0	154 0 0	..	154 0 0	31st Dec. ,,	Do.
62	C.E. No. 572, dated 8th July 1889.	Extension of platform and through siding at Tirutani.	..	..	..	334 0 0	535 0 0	869 0 0	31st Mar. 1890.	Do.
63	Do. do. ..	Goods shed siding at Tirutani ..	..	..	..	168 0 0	1,213 0 0	1,381 0 0	31st ,, ,,	Do.
64	C.E. No. 593, dated 13th July 1889.	Platform at Aryanur station	1,391 0 0	1,342 0 0	2,733 0 0	..	..	..	31st ,, ,,	Do.
65	C.E. No. 594, dated 13th July 1889.	Extension of goods shed lay-bye at Yerraguntla.	261 0 0	2,151 0 0	2,412 0 0	..	..	..	31st ,, ,,	Do.
66	C.E. No. 595, dated 13th July 1889.	Raising the ground for loading purposes at Kolar road.	..	..	..	1,188 0 0	..	1,188 0 0	31st ,, ,,	In progress.
67	C.E. No. 625, dated 26th July 1889.	An emergency stock shed at Gooty ..	..	..	..	920 0 0	974 0 0	1,894 0 0	31st ,, ,,	Do.
68	G.O., No. 800 R., dated 25th July 1889.	Through siding at Tyakal station ..	1,551 0 0	6,251 0 0	7,802 0 0	49 0 0	..	49 0 0	31st ,, ,,	Do.
69	C.E. No. 643, dated 2nd August 1889.	Additional shelves for roof lamps at Raichur.	..	..	..	30 0 0	244 0 0	274 0 0	31st Dec 1889.	Completed.
70	C.E. No. 659, dated 12th August 1889.	Extension of the goods godown and loading bank at Sankaridrug.	1,359 0 0	1,139 0 0	2,498 0 0	..	..	..	31st Mar. 1890.	In progress.
71	C.E. No. 660, dated 12th August 1889.	Reconstruction of the single 9-feet opening at 2/8 miles, South-west line.	..	..	..	2,441 0 0	..	2,441 0 0	31st ,, ,,	Do.
72	C.E. No. 661, dated 12th August 1889.	Verandah to the Assistant Traffic Manager's bungalow at Gooty.	..	..	..	709 0 0	353 0 0	1,062 0 0	31st ,, ,,	Do.
73	C.E. No. 662, dated 12th August 1889.	Extension of the goods-shed at Erode station.	2,117 0 0	1,569 0 0	3,686 0 0	22 0 0	..	22 0 0	31st ,, ,,	Do.
74	C.E. No. 663, dated 12th August 1889.	Raising the pitching of the Ambatúr tank from 10/6 to 10/13 and 10/20 to 11/8 miles.	3,267 0 0	..	3,267 0 0	..	..	..	31st ,, ,,	Do.
75	C.E. No. 664, dated 12th August 1889.	Extension of a laterite siding at Ráyapuram.	..	..	..	300 0 0	1,342 0 0	1,642 0 0	31st Dec. 1889.	Completed.
76	C.E. No. 681, dated 17th August 1889.	Altering the old shed lately used by the Cash department at Salt Cotaurs.	..	..	..	404 0 0	600 0 0	1,004 0 0	31st ,, ,,	Do.
77	G.O., No. 1082 R., dated 8th October 1889.	Alterations and additions to locomotive sidings, &c., at Jalárpet.	1,268 0 0	6,974 0 0	8,242 0 0	3,793 0 0	349 0 0	4,142 0 0	31st ,, 1890.	In progress.
78	C.E. No. 851, dated 17th October 1889.	Fixing a crane capable of lifting five tons at Salem.	281 0 0	2,640 0 0	2,921 0 0	..	..	..	31st Mar. ,,	Do.
79	C.E. No. 855, dated 17th October 1889.	Fixing a crane capable of lifting three tons at Tirúr.	202 0 0	2,046 0 0	2,248 0 0	..	..	..	30th June ,,	Not commenced.
80	C.E. No. 857, dated 17th October 1889.	Pointsmen's and scavengers' huts and latrine at Mallapuram.	2,762 0 0	736 0 0	3,498 0 0	..	..	..	31st Dec. ,,	In progress.
81	C.E. No. 858, dated 17th October 1889.	Lay-bye, loading bank and goods godown at Kupgal.	1,565 0 0	3,129 0 0	4,694 0 0	..	..	..	30th June ,,	Do.
82	G.O., No. 1146 R., dated 22nd October 1889.	Additional siding and cross-over road at Arkónam.	2,789 0 0	4,903 0 0	7,692 0 0	204 0 0	..	204 0 0	30th ,, ,,	Do.
83	G.O., No. 1155 R., dated 25th October 1889.	Proposed waiting sheds at Perambúr ..	1,610 0 0	5,668 0 0	7,278 0 0	..	..	..	31st Dec. ,,	Do.
84	C.E. No. 936, dated 8th November 1889.	A tank-house on 15 feet arch bridge No. 242 near the Pennér bridge.	2,222 0 0	135 0 0	2,357 0 0	..	..	..	30th June ,,	Do.

Schedule of Works sanctioned or in progress up to 31st December 1889, under the authority of the Madras Government, &c.—*cont.*

Register No.	Authority and Date.	Description of Work.	ESTIMATE. Capital. Stores.	ESTIMATE. Capital. Total.	ESTIMATE. Revenue. Cash.	ESTIMATE. Revenue. Stores.	ESTIMATE. Revenue. Total.	Date of lapse of sanction.	Remarks. It should be stated in this column whether in progress or completed.
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
85	C.E. No. 952, dated 13th November 1889.	Tank-house to be erected on 20 feet arch bridge No. 180 near the Chitrávati bridge.	1,633 0 0	2,122 0 0	144 0 0	127 0 0	2,458 0 0	30th June 1890	In progress.
86	C.E. No. 953, dated 13th November 1889.	Extension of through siding at Coimbatore.	1,643 0 0	2,059 0 0	62 0 0	..	144 0 0	30th ,, ,,	Do.
87	C.E. No. 958, dated 14th November 1889.	Extension of through siding at Gudiyátam.	884 0 0	1,391 0 0	..	..	62 0 0	30th ,, ,,	Do.
88	C.E. No. 968, dated 18th November 1889.	Workshop along the engine shed at Rénigunta.	223 0 0	1,491 0 0	..	..	..	30th ,, ,,	Do.
89	C.E. No. 983, dated 23rd November 1889.	Loading bank and goods godown at Somanur.	240 0 0	1,201 0 0	..	..	..	30th ,, ,,	Do.
90	C.E. No. 984, dated 23rd November 1889.	Goods godown at Madukarai	861 0 0	1,087 0 0	98 0 0	..	98 0 0	30th ,, ,,	Do.
91	C.E. No. 993, dated 28th November 1889.	Extension of through siding at Tirupattur.	778 0 0	1,575 0 0	44 0 0	..	44 0 0	30th ,, ,,	Do.
92	C.E. No. 994, dated 28th November 1889.	Extension of platform at Tudiyalur ..	508 0 0	1,343 0 0	77 0 0	..	77 0 0	30th ,, ,,	Do.
93	C.E. No. 995, dated 28th November 1889.	Extension of platform at Kadiampatti ..	1,930 0 0	2,737 0 0	16 0 0	..	16 0 0	30th ,, ,,	Do.
94	C.E. No. 998, dated 29th November 1889.	Extension of through siding at Sholinglur.	1,606 0 0	3,031 0 0	154 0 0	..	154 0 0	30th ,, ,,	Do.
95	C.E. No. 999, dated 29th November 1889.	Extension of platform at Chinnammápet.	6,841 0 0	6,884 0 0	..	..	..	30th ,, ,,	Do.
96	G.O., No. 1330 R., dated 3rd December 1889.	Siding and cross-over road at Olavakód.	..	..	1,102 0 0	332 0 0	1,434 0 0	30th ,, ,,	Not commenced.
97	C.E. No. 1027, dated 7th December 1889.	Auxiliary well of 20 feet diameter to be constructed at Bangalore.	267 0 0	1,178 0 0	..	..	..	30th ,, ,,	Do.
98	C.E. No. 1037, dated 11th December 1889.	Stationmaster's house at Urampad ..	267 0 0	1,178 0 0	..	..	..	30th ,, ,,	Do.
99	C.E. No. 1055, dated 13th December 1889.	Stationmaster's house at Reddipalli ..	193 0 0	1,269 0 0	..	..	..	30th ,, ,,	Do.
100	C.E. No. 1078, dated 20th December 1889.	Waiting shed at Gúdalór on the Nilgiri branch.	5,607 0 0	15,110 0 0	183 0 0	..	183 0 0	31st Dec. ,,	Do.
101	G.O., No. 1414 R., dated 20th December 1889.	Permanent station at Penmér	1,813 0 0	2,373 0 0	33 0 0	..	33 0 0	30th June ,,	Do.
102	C.E. No. 1089, dated 21st December 1889.	Extension of the platform and through siding at Kamalapuram.	1,421 0 0	1,881 0 0	33 0 0	..	33 0 0	30th ,, ,,	Do.
103	C.E. No. 1090, dated 21st December 1889.	Extension of the platform and through siding at Kondapuram.							
		Total amount of sanctions granted up to date.	1,86,333 8 0	3,14,912 0 0	40,158 14 0	21,101 2 0	61,260 0 0		
		Budget grant of the year for Capital works ..							Rs. 7,82,600
		Total sanctions against the budget grant ..							6,16,665
		Balance available for future sanctions ..							1,65,935

(Signed) A. D. G. SHELLEY, Lieut., R.E.,
for Consulting Engineer for Railways.

MADRAS,
3rd February 1890.

Submitted to Government for transmission to the Director-General of Railways.

ORDER—dated 8th February 1890, No. 208 R., Public Works.

Ordered to be forwarded to the Director-General of Railways.

(Here enter No. 209 R., dated 8th February 1890.)

(True Extract.)

(Signed) C. J. SMITH, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

To the Consulting Engineer for Railways.
„ Examiner, Guaranteed Railway Accounts.

ENDORSEMENT—dated 8th February 1890, No. 209 R., Public Works.

Forwarded.

(By Order.)

Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

Exd. J. Moses.
Spare Copies

RAILWAY.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated February, 8th.

Recd. *Encl.*

G.O., 8th Feb. 1890, Nos. 208 R., 209 R.

FEBRUARY.

Estimates

Forwarding schedule of—sanctioned on the Madras Railway up to 31st December 1889.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From the Consulting Engineer for Railways, dated Madras, 3rd February 1890, No. 84.

SCHEDULE of Estimates sanctioned on the Madras Railway up to 31st December 1889.

MADRAS RAILWAY.

SCHEDULE of Works sanctioned or in progress up to 31st December 1889, under the authority of the Madras Government, prepared in accordance with para. 13 of P.W.D. Circular No. 42 of 1880—G.O., No. 22 R., dated 10th January 1881. Limit of cost of each work to be sanctioned by above authority, Rs. 25,000 (*vide* G.O., No. 4 R., dated 9th January 1889).

Register No.	Authority and Date.	Description of Work.	ESTIMATE.						Date of lapse of sanction.	Remarks.
			Capital.			Revenue.				
			Cash.	Stores.	Total.	Cash.	Stores.	Total.		It should be stated in this column whether in progress or completed.
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
1	C.E. No. 490, dated 26th July 1887.	Electric-starting semaphore signal interlocked with block instruments required for the trial stations opened during 1887-88.	1,312 0 0	3,424 0 0	4,736 0 0	..	..	..	25th July 1891.	In progress.
2	Do. do. ..	Electric-starting semaphore signal interlocked with block instruments required at stations on the Calicut extension.	492 0 0	1,284 0 0	1,776 0 0	..	..	..	31st Dec. 1889.	Completed
3	Do. do. ..	Block instruments, stores, &c., required for fitting up trial stations opened during 1887-88.	1,288 0 0	1,480 0 0	2,768 0 0	..	..	..	25th July 1891.	In progress.
4	Do. do. ..	Instruments, stores, &c., required for opening telegraph offices at stations on the Calicut extension.	926 0 0	1,069 0 0	1,995 0 0	..	..	..	25th ,, 1889.	Completed.
5	C.E. No. 830, dated 29th November 1887.	Erecting posts, wires, &c., for electric-starting semaphore signal and bell circuits on the Calicut extension.	319 0 0	983 0 0	1,302 0 0	..	..	..	31st Dec. ,,	Do.
6	C.E. No. 881, dated 21st December 1887.	Electric-starting semaphore signals interlocked with block instruments for Pálghat station.	332 0 0	341 0 0	673 0 0	..	..	..	31st ,, ,,	Do.
7	Do. do. ..	Rail posts, wires, instruments, &c., required for opening telegraph offices, block and bell circuits on Pálghat extension.	635 0 0	1,429 0 0	2,064 0 0	..	..	..	31st ,, ,,	Do.
8	C.E. No. 437, dated 13th June 1888.	Platform at Connur station	3,034 0 0	1,936 0 0	4,970 0 0	82 0 0	..	82 0 0	30th Sept. ,,	Do.
9	C.E. No. 587, dated 6th August 1888.	Extension of platform and through siding at Nagari.	1,034 0 0	1,603 0 0	2,637 0 0	589 0 0	464 0 0	1,053 0 0	30th ,, ,,	Do.
10	G.O., No. 741 R., dated 8th September 1888.	Foot-bridge at the west end of Perambúr works.	817 0 0	6,221 0 0	7,038 0 0	22 0 0	..	22 0 0	31st Dec. ,,	Do.
11	C.E. No. 746, dated 21st September 1888.	Pointsmen's huts at Matmari station ..	..	..	..	711 0 0	404 0 0	1,115 0 0	30th Sept. ,,	Do.
12	C.E. No. 747, dated 21st September 1888.	Do. at Kósgi station ..	..	..	..	709 6 0	402 10 0	1,112 0 0	31st Dec. ,,	Do.
13	C.E. No. 748, dated 21st September 1888.	Do. at Rávalcheru station ..	..	..	..	687 8 0	403 8 0	1,091 0 0	31st Mar. ,,	Do.
14	C.E. No. 756, dated 22nd September 1888.	Station-house, &c., at Tyakal station ..	3,069 8 0	1,562 8 0	4,632 0 0	..	..	..	30th Sept. ,,	Do.
15	C.E. No. 764, dated 24th September 1888.	Proposed pointsmen's huts at Tungabhadra.	..	..	..	710 0 0	404 0 0	1,114 0 0	30th June ,,	Do.
16	C.E. No. 766, dated 24th September 1888.	Catch-siding at Kuppam	1,352 0 0	2,087 0 0	3,439 0 0	..	..	..	31st Dec. ,,	In progress.
17	C.E. No. 771 A, dated 24th September 1888.	Pointsmen's huts at Aspari station ..	..	..	..	703 0 0	404 0 0	1,107 0 0	30th June ,,	Completed.
18	G.O., No. 756 R., dated 15th September 1888.	Two guards' bungalows at Gooty (each at Rs. 5,088).	8,354 0 0	1,822 0 0	10,176 0 0	..	..	..	30th Sept. ,,	Do.
19	C.E. No. 800, dated 4th October 1888.	Stationmaster's house at Matmari ..	..	..	..	657 0 0	429 0 0	1,086 0 0	30th June ,,	Do.
20	C.E. No. 811, dated 6th October 1888.	Pointsmen's huts at Nancherla ..	..	..	..	701 0 0	404 0 0	1,105 0 0	30th ,, ,,	Do.
21	C.E. No. 812, dated 6th October 1888.	Stationmaster's house at Aspari ..	..	..	..	718 0 0	428 0 0	1,146 0 0	30th ,, ,,	Do.
22	C.E. No. 813, dated 6th October 1888.	Do. at Nancherla ..	..	..	..	717 0 0	429 0 0	1,146 0 0	30th ,, ,,	Do.
23	C.E. No. 814, dated 6th October 1888.	Double house for the Stationmaster at Nandalúr.	..	..	..	1,316 0 0	442 0 0	1,758 0 0	30th ,, ,,	Do.
24	C.E. No. 815, dated 6th October 1888.	A double house for the Stationmaster at Kósgi.	..	..	..	1,363 0 0	442 0 0	1,805 0 0	31st Dec. ,,	Do.
25	G.O., No. 782 R., dated 25th September 1888.	Staff quarters at Gooty	4,357 0 0	1,728 0 0	6,085 0 0	110 0 0	..	110 0 0	30th Sept. ,,	Do.
26	C.E. No. 19, dated 9th January 1889.	Protective works considered emergent at 201-12 to 203-11 miles, North-west line.	2,511 0 0	394 0 0	2,905 0 0	4,916 0 0	..	4,916 0 0	31st Mar. 1890.	In progress.
27	C.E. No. 25, dated 11th January 1889.	Opening direct telegraph communication on the Morse wire between Ráyapuram, Vyasarpady, Perambúr and Madras.	..	..	..	135 0 0	239 0 0	374 0 0	10th Jan. ,,	Completed.
28	C.E. No. 36, dated 11th January 1889.	Extension of platform, &c., at Singanallur.	..	..	..	1,253 0 0	315 0 0	1,568 0 0	30th Sept. 1889.	Do.
29	C.E. No. 37, dated 14th January 1889.	Single house for Stationmaster at Kagankarai, South-west line.	..	..	..	746 0 0	267 0 0	1,013 0 0	30th ,, ,,	Do.
30	C.E. No. 38, dated 14th January 1889.	Single house for the Assistant Stationmaster at Púdi, North-west line.	..	..	..	909 0 0	266 0 0	1,175 0 0	30th ,, ,,	Do.
31	C.E. No. 39, dated 14th January 1889.	Extension of platform at Tiruvallam, South-west line.	..	..	..	669 0 0	649 0 0	1,318 0 0	30th June ,,	Do.
32	G.O., No 71 R., dated 22nd January 1889.	Alterations and additions to sidings at Kolar road, Bangalore branch.	1,861 0 0	7,622 0 0	9,483 0 0	205 0 0	..	205 0 0	30th Sept. ,,	Do.
33	C.E. No. 100, dated 29th January 1889.	Cross-over road at Pódanúr	350 0 0	2,397 0 0	2,747 0 0	..	..	..	30th June ,,	Do.
34	G.O., No. 127 R., dated 1st February 1889.	Station-house, &c., at Ulli	3,630 0 0	4,307 0 0	7,937 0 0	..	..	..	31st Mar. 1890.	In progress.
35	G.O., No. 111 R., dated 1st February 1889.	Single needle instruments, &c., required for opening telegraph offices at trial and additional stations to meet the requirements of Traffic department.	4,122 0 0	3,588 0 0	7,710 0 0	..	..	..	31st ,, 1891.	Do.
36	C.E. No. 152, dated 18th February 1889.	Converting station-house into goods shed and goods shed into station-house at Tirúr.	..	..	..	570 0 0	710 0 0	1,280 0 0	30th Sept. 1889.	Completed.
37	C.E. No. 153, dated 18th February 1889.	Horse and carriage dock siding at Guntakal junction.	..	..	..	213 0 0	1,774 0 0	1,987 0 0	30th June ,,	Do.
38	G.O., No. 218 R., dated 26th February 1889.	Overbridge at the east end of Perambúr.	591 0 0	4,831 0 0	5,422 0 0	..	..	..	31st Mar. 1890.	In progress.
39	C.E. No. 212, dated 9th March 1889.	Substituting a derrick for a lay-bye at Mangalam station.	..	..	..	558 0 0	1,228 0 0	1,786 0 0	30th Sept. 1889.	Completed.

Schedule of Works sanctioned or in progress up to 31st December 1889, under the authority of the Madras Government, &c.—*cont.*

Register No.	Authority and Date.	Description of Work.	ESTIMATE.						Date of lapse of sanction.	Remarks. It should be stated in this column whether in progress or completed.
			Capital.			Revenue.				
			Cash.	Stores.	Total.	Cash.	Stores.	Total.		
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
40	G.O., No 328 R., dated 25th March 1889.	A tiffin-room at Perambúr station ..	3,496 0 0	3,504 0 0	7,000 0 0	..	..	..	31st Mar. 1890.	In progress.
41	C.E. No. 321, dated 9th April 1889.	Enlarging and deepening locomotive well No. 2 at Salem.	2,125 0 0	..	2,125 0 0	422 0 0	..	422 0 0	30th Sept. 1889.	Completed.
42	G.O., No. 379 R., dated 16th April 1889.	Station-house, &c., at Krishnapuram station.	3,035 0 0	2,841 0 0	5,876 0 0	11 0 0	..	11 0 0	30th June 1890.	In progress.
43	C.E. No. 355, dated 17th April 1889.	Locomotive Foreman's bungalow at Gooty.	..	..	..	3,333 0 0	1,939 0 0	5,272 0 0	30th ,, ,,	Do.
44	G.O., No. 464 R., dated 26th April 1889.	Thirty-ton weigh-bridge and siding at Bangalore pettah.	1,071 0 0	5,428 0 0	6,499 0 0	..	..	..	31st Dec. 1889.	Completed.
45	C.E. No. 406, dated 8th May 1889.	Weigh-bridge and alteration of cross-over road at Kolar road, Bangalore branch.	348 0 0	2,831 0 0	3,179 0 0	270 0 0	..	270 0 0	30th June 1890.	In abeyance.
46	G.O., No. 527 R., dated 10th May 1889.	Thirty-ton weigh-bridge and siding at Guntakal junction.	894 0 0	5,689 0 0	6,583 0 0	..	..	..	31st Dec. 1889.	Completed.
47	G.O., No. 552 R., dated 15th May 1889.	Station-house, &c., at Vanganur ..	10,089 0 0	12,393 0 0	22,482 0 0	..	..	..	30th June 1890.	In progress.
48	G.O., No. 559 R., dated 17th May 1889.	Crane lines, &c., in the General Stores yard at Ráyapuram.	232 0 0	4,991 0 0	5,223 0 0	..	..	..	30th Sept. 1889.	Completed.
49	G.O., No. 560 R., dated 17th May 1889.	Alteration of the main line and additional sidings at Kolar road.	2,738 0 0	7,047 0 0	9,785 0 0	200 0 0	..	200 0 0	31st Dec. ,,	Do.
50	C.E. No. 466, dated 28th May 1889.	A new saloon carriage in replacement of the one sold to His Highness Aga Khan.	2,530 0 0	4,250 0 0	6,780 0 0	..	..	..	14th April ,,	Do.
51	G.O., No. 588 R., dated 22nd May 1889.	Extension of platform and through siding at Ottapalam.	1,194 0 0	2,387 0 0	3,581 0 0	44 0 0	..	44 0 0	31st Dec. ,,	Do.
52	C.E. No. 484, dated 3rd June 1889.	Five-ton crane at Rénigunta	295 0 0	2,640 0 0	2,935 0 0	..	..	..	31st ,, ,,	Do.
53	C.E. No. 488, dated 6th June 1889.	Stationmaster's bungalow at Kolar road.	2,188 0 0	939 0 0	3,127 0 0	..	..	..	30th June 1890.	Do.
54	G.O., No. 639 R., dated 5th June 1889.	Extension of through siding at Kanyikód.	1,314 0 0	1,860 0 0	3,174 0 0	33 0 0	..	33 0 0	31st Dec. 1889.	Do.
55	C.E. No. 493, dated 7th June 1889.	Extension of platform and through siding at Vániyambádi.	1,552 0 0	2,469 0 0	4,021 0 0	771 0 0	64 0 0	835 0 0	31st ,, ,,	Do.
56	G.O., No. 642 R., dated 6th June 1889.	Additional siding accommodation required at Kámasamudram.	2,734 0 0	3,791 0 0	6,525 0 0	63 0 0	..	63 0 0	31st ,, ,,	Do.
57	C.E. No. 514, dated 17th June 1889.	Native signaller's bungalow at Guntakal junction.	2,736 0 0	701 0 0	3,437 0 0	..	..	..	30th June 1890.	In progress.
58	C.E. No. 515, dated 17th June 1889.	Extension of platform and through siding at Peddapád.	1,577 0 0	3,246 0 0	4,823 0 0	33 0 0	..	33 0 0	31st Dec. 1889.	Completed.
59	C.E. No. 516, dated 17th June 1889.	Extension of through siding at Tiruvallam.	1,290 0 0	1,585 0 0	2,875 0 0	16 0 0	..	16 0 0	31st ,, ,,	Do.
60	C.E. No. 528, dated 20th June 1889.	Harness-maker's sewing machine and ten Ebrahardt's portable weighing-machines.	..	..	..	..	2,525 0 0	2,525 0 0	31st July ,,	Do.
61	G.O., No. 684 R., dated 18th June 1889.	Extension of platform and through siding at Kuttipuram.	1,914 0 0	3,235 0 0	5,149 0 0	154 0 0	..	154 0 0	31st Dec. ,,	Do.
62	C.E. No. 572, dated 8th July 1889.	Extension of platform and through siding at Tirutani.	..	..	..	334 0 0	535 0 0	869 0 0	31st Mar. 1890.	Do.
63	Do. do. ..	Goods shed siding at Tirutani	..	..	..	168 0 0	1,213 0 0	1,381 0 0	31st ,, ,,	Do.
64	C.E. No. 593, dated 13th July 1889.	Platform at Aryanur station	1,391 0 0	1,342 0 0	2,733 0 0	..	..	..	31st ,, ,,	Do.
65	C.E. No. 594, dated 13th July 1889.	Extension of goods shed lay-bye at Yerraguntla.	261 0 0	2,151 0 0	2,412 0 0	..	..	..	31st ,, ,,	Do.
66	C.E. No. 595, dated 13th July 1889.	Raising the ground for loading purposes at Kolar road.	..	..	..	1,188 0 0	..	1,188 0 0	31st ,, ,,	In progress.
67	C.E. No. 625, dated 26th July 1889.	An emergency stock shed at Gooty ..	..	..	..	920 0 0	974 0 0	1,894 0 0	31st ,, ,,	Do.
68	G.O., No. 800 R., dated 25th July 1889.	Through siding at Tyakal station ..	1,551 0 0	6,251 0 0	7,802 0 0	49 0 0	..	49 0 0	31st ,, ,,	Do.
69	C.E. No. 643, dated 2nd August 1889.	Additional shelves for roof lamps at Raichur.	..	..	..	30 0 0	244 0 0	274 0 0	31st Dec 1889.	Completed.
70	C.E. No. 659, dated 12th August 1889.	Extension of the goods godown and loading bank at Sankaridrug.	1,359 0 0	1,139 0 0	2,498 0 0	..	..	..	31st Mar. 1890.	In progress.
71	C.E. No. 660, dated 12th August 1889.	Reconstruction of the single 9-feet opening at 2/8 miles, South-west line.	..	..	..	2,441 0 0	..	2,441 0 0	31st ,, ,,	Do.
72	C.E. No. 661, dated 12th August 1889.	Verandah to the Assistant Traffic Manager's bungalow at Gooty.	..	..	..	709 0 0	353 0 0	1,062 0 0	31st ,, ,,	Do.
73	C.E. No. 662, dated 12th August 1889.	Extension of the goods-shed at Erode station.	2,117 0 0	1,569 0 0	3,686 0 0	22 0 0	..	22 0 0	31st ,, ,,	Do.
74	C.E. No. 663, dated 12th August 1889.	Raising the pitching of the Ambatór tank from 10/6 to 10/13 and 10/20 to 11/8 miles.	3,267 0 0	..	3,267 0 0	..	..	..	31st ,, ,,	Do.
75	C.E. No. 664, dated 12th August 1889.	Extension of a laterite siding at Ráyapuram.	..	..	..	300 0 0	1,342 0 0	1,642 0 0	31st Dec. 1889.	Completed.
76	C.E. No. 681, dated 17th August 1889.	Altering the old shed lately used by the Cash department at Salt Cotaurs.	..	..	..	404 0 0	600 0 0	1,004 0 0	31st ,, ,,	Do.
77	G.O., No. 1082 R., dated 8th October 1889.	Alterations and additions to locomotive sidings, &c., at Jalárpet.	1,268 0 0	6,974 0 0	8,242 0 0	3,793 0 0	349 0 0	4,142 0 0	31st ,, 1890.	In progress.
78	C.E. No. 851, dated 17th October 1889.	Fixing a crane capable of lifting five tons at Salem.	281 0 0	2,640 0 0	2,921 0 0	..	..	..	31st Mar. ,,	Do.
79	C.E. No. 855, dated 17th October 1889.	Fixing a crane capable of lifting three tons at Tirúr.	202 0 0	2,046 0 0	2,248 0 0	..	..	..	30th June ,,	Not commenced.
80	C.E. No. 857, dated 17th October 1889.	Pointsmen's and scavengers' huts and latrine at Mallapuram.	2,762 0 0	736 0 0	3,498 0 0	..	..	..	31st Dec. ,,	In progress.
81	C.E. No. 858, dated 17th October 1889.	Lay-bye, loading bank and goods godown at Kupgal.	1,565 0 0	3,129 0 0	4,694 0 0	..	..	..	30th June ,,	Do.
82	G.O., No. 1146 R., dated 22nd October 1889.	Additional siding and cross-over road at Arkónam.	2,789 0 0	4,903 0 0	7,692 0 0	204 0 0	..	204 0 0	30th ,, ,,	Do.
83	G.O., No. 1155 R., dated 25th October 1889.	Proposed waiting sheds at Perambúr ..	1,610 0 0	5,668 0 0	7,278 0 0	..	..	..	31st Dec. ,,	Do.
84	C.E. No. 936, dated 8th November 1889.	A tank-house on 15 feet arch bridge No. 242 near the Pennér bridge.	2,222 0 0	135 0 0	2,357 0 0	..	..	..	30th June ,,	Do.

Schedule of Works sanctioned or in progress up to 31st December 1889, under the authority of the Madras Government, &c.—*cont.*

Register No.	Authority and Date.	Description of Work.	ESTIMATE. CAPITAL. Cash.	CAPITAL. Stores.	CAPITAL. Total.	REVENUE. Cash.	REVENUE. Stores.	REVENUE. Total.	Date of lapse of sanction.	REMARKS. It should be stated in this column whether in progress or completed.
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.		
85	C.E. No. 952, dated 13th November 1889.	Tank-house to be erected on 20 feet arch bridge No. 180 near the Chitrávati bridge.	..	..	..	2,331 0 0	127 0 0	2,458 0 0	30th June 1890	In progress.
86	C.E. No. 953, dated 13th November 1889.	Extension of through siding at Coimbatore.	489 0 0	1,633 0 0	2,122 0 0	144 0 0	..	144 0 0	30th ,, ,,	Do.
87	C.E. No. 958, dated 14th November 1889.	Extension of through siding at Gudiyátam.	416 0 0	1,643 0 0	2,059 0 0	62 0 0	..	62 0 0	30th ,, ,,	Do.
88	C.E. No. 968, dated 18th November 1889.	Workshop along the engine shed at Rénigunta.	507 0 0	884 0 0	1,391 0 0	..	..	..	30th ,, ,,	Do.
89	C.E. No. 983, dated 23rd November 1889.	Loading bank and goods godown at Somanur.	1,268 0 0	223 0 0	1,491 0 0	..	..	..	30th ,, ,,	Do.
90	C.E. No. 984, dated 23rd November 1889.	Goods godown at Madukarai	961 0 0	240 0 0	1,201 0 0	..	..	..	30th ,, ,,	Do.
91	C.E. No. 993, dated 28th November 1889.	Extension of through siding at Tirupatúr.	226 0 0	861 0 0	1,087 0 0	98 0 0	..	98 0 0	30th ,, ,,	Do.
92	C.E. No. 994, dated 28th November 1889.	Extension of platform at Tudiyalur ..	797 0 0	778 0 0	1,575 0 0	44 0 0	..	44 0 0	30th ,, ,,	Do.
93	C.E. No. 995, dated 28th November 1889.	Extension of platform at Kadiampatti ..	835 0 0	508 0 0	1,343 0 0	77 0 0	..	77 0 0	30th ,, ,,	Do.
94	C.E. No. 998, dated 29th November 1889.	Extension of through siding at Sholinghur.	807 0 0	1,930 0 0	2,737 0 0	16 0 0	..	16 0 0	30th ,, ,,	Do.
95	C.E. No. 999, dated 29th November 1889.	Extension of platform at Chinnammápet.	1,425 0 0	1,606 0 0	3,031 0 0	154 0 0	..	154 0 0	30th ,, ,,	Do.
96	G.O., No. 1330 R., dated 3rd December 1889.	Siding and cross-over road at Olavakód.	1,043 0 0	5,841 0 0	6,884 0 0	..	..	..	30th ,, ,,	Do.
97	C.E. No. 1027, dated 7th December 1889.	Auxiliary well of 20 feet diameter to be constructed at Bangalore.	..	..	..	1,102 0 0	332 0 0	1,434 0 0	30th ,, ,,	Not commenced.
98	C.E. No. 1037, dated 11th December 1889.	Stationmaster's house at Urampad ..	911 0 0	267 0 0	1,178 0 0	..	..	..	30th ,, ,,	Do.
99	C.E. No. 1055, dated 13th December 1889.	Stationmaster's house at Reddipalli ..	911 0 0	267 0 0	1,178 0 0	..	..	..	30th ,, ,,	Do.
100	C.E. No. 1078, dated 20th December 1889.	Waiting shed at Gúdalúr on the Nílgiri branch.	1,076 0 0	193 0 0	1,269 0 0	..	..	..	30th ,, ,,	Do.
101	G.O., No. 1414 R., dated 20th December 1889.	Permanent station at Pennér	9,503 0 0	5,607 0 0	15,110 0 0	183 0 0	..	183 0 0	31st Dec. ,,	Do.
102	C.E. No. 1089, dated 21st December 1889.	Extension of the platform and through siding at Kamalapuram.	560 0 0	1,813 0 0	2,373 0 0	33 0 0	..	33 0 0	30th June ,,	Do.
103	C.E. No. 1090, dated 21st December 1889.	Extension of the platform and through siding at Kondapuram.	460 0 0	1,421 0 0	1,881 0 0	33 0 0	..	33 0 0	30th ,, ,,	Do.
		Total amount of sanctions granted up to date.	1,26,578 8 0	1,86,333 8 0	3,14,912 0 0	40,158 14 0	21,101 2 0	61,260 0 0		

	RS.
Budget grant of the year for Capital works	7,82,500
Total sanctions against the budget grant	6,16,665
Balance available for future sanctions ..	1,65,835

MADRAS,
3rd February 1890.

(Signed) A. D. G. SHELLEY, Lieut., R.E.,
for Consulting Engineer for Railways.

8TH FEBRUARY 1890, No. 208 R., PUBLIC WORKS.

Submitted to Government for transmission to the Director-General of Railways.

ORDER—dated 8th February 1890, No. 208 R., Public Works.

Ordered to be forwarded to the Director-General of Railways.

(Here enter No. 209 R., dated 8th February 1890.)

(True Extract.)

Colonel, R.E.,
Joint Secy. to Govt., P. W. D.,
Railway Branch.

To the Consulting Engineer for Railways.
" Examiner, Guaranteed Railway Accounts.

Exd. J. Moses.
Spare Copies

RAILWAY.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated February, 8th.

Recd. *Encl.*

G.O., 8th Feb. 1890, No. 208 R.

FEBRUARY.

Estimates

Schedule of—sanctioned on the Madras Railway up to 31st December 1889, ordered to be forwarded to the Director-General of Railways.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From the Consulting Engineer for Railways, dated Madras, 9th January 1890, No. 10.

SCHEDULE of Estimates sanctioned on the Madras Railway up to 30th November 1889.

SCHEDULE of Works sanctioned or in progress up to ~~30th November~~ 31st December 1889, under the authority of the Madras Government, prepared in accordance with para. 13 of P.W.D. Circular No. 42 of 1880—G.O., No. 22 R., dated 10th January 1881. Limit of cost of each work to be sanctioned by above authority, Rs. 25,000 (*vide* G.O., No. 4 R., dated 9th January 1889).

MADRAS RAILWAY.

Register No.	Authority and Date.	Description of Work.	ESTIMATE. Capital. Cash.	Capital. Stores.	Capital. Total.	Revenue. Cash.	Revenue. Stores.	Revenue. Total.	Date of lapse of sanction.	Remarks. It should be stated in this column whether in progress or completed.
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
1	C.E. No. 490, dated 26th July 1887.	Electric-starting semaphore signal interlocked with block instruments required for the trial stations opened during 1887-88.	1,312 0 0	3,424 0 0	4,736 0 0	..	..	..	25th July 1891.	In progress.
2	Do. do. ..	Electric-starting semaphore signal interlocked with block instruments required at stations on the Calicut extension.	492 0 0	1,284 0 0	1,776 0 0	..	..	..	31st Dec. 1889.	~~Do.~~ Completed.
3	Do. do. ..	Block instruments, stores, &c., required for fitting up trial stations opened during 1887-88.	1,288 0 0	1,480 0 0	2,768 0 0	..	..	..	25th July 1891.	~~Do.~~ In progress.
4	Do. do. ..	Instruments, stores, &c., required for opening telegraph offices at stations on the Calicut extension.	926 0 0	1,069 0 0	1,995 0 0	..	..	..	25th ,, 1889.	Completed.
5	C.E. No. 830, dated 29th November 1887.	Erecting posts, wires, &c., for electric-starting semaphore signal and bell circuits on the Calicut extension.	319 0 0	983 0 0	1,302 0 0	..	..	..	31st Dec. ,,	Do.
6	C.E. No. 881, dated 21st December 1887.	Electric-starting semaphore signals interlocked with block instruments for Pálghat station.	332 0 0	341 0 0	673 0 0	..	..	..	31st ,, ,,	~~In progress.~~ do
7	Do. do. ..	Rail posts, wires, instruments, &c., required for opening telegraph offices, block and bell circuits on Pálghat extension.	635 0 0	1,429 0 0	2,064 0 0	..	..	..	31st ,, ,,	Do.
8	C.E. No. 437, dated 13th June 1888.	Platform at Connur station	3,034 0 0	1,936 0 0	4,970 0 0	82 0 0	..	82 0 0	30th Sept. ,,	~~Completed~~ do
9	C.E. No. 587, dated 6th August 1888.	Extension of platform and through siding at Nagari.	1,034 0 0	1,603 0 0	2,637 0 0	589 0 0	464 0 0	1,053 0 0	30th ,, ,,	~~In progress.~~ do
10	G.O., No. 741 R., dated 8th September 1888.	Foot-bridge at the west end of Perambúr works.	817 0 0	6,221 0 0	7,038 0 0	22 0 0	..	22 0 0	31st Dec. ,,	~~Do.~~ do
11	C.E. No. 746, dated 21st September 1888.	Pointsmen's huts at Matmari station ..	..	..	..	711 0 0	404 0 0	1,115 0 0	30th Sept. ,,	~~Completed.~~ do
12	C.E. No. 747, dated 21st September 1888.	Do. at Kósgi station ..	..	..	..	709 6 0	402 10 0	1,112 0 0	31st Dec. ,,	Do.
13	C.E. No. 748, dated 21st September 1888.	Do. at Ráyalcheru station ..	..	..	..	687 8 0	403 8 0	1,091 0 0	31st Mar. ,,	Do.
14	C.E. No. 756, dated 22nd September 1888.	Station-house, &c., at Tyakal station ..	3,069 8 0	1,562 8 0	4,632 0 0	..	..	..	30th Sept. ,,	Do.
15	C.E. No. 764, dated 24th September 1888.	Proposed pointsmen's huts at Tungabhadra.	..	..	..	710 0 0	404 0 0	1,114 0 0	30th June ,,	Do.
16	C.E. No. 766, dated 24th September 1888.	Catch-siding at Kuppam	1,352 0 0	2,087 0 0	3,439 0 0	..	..	..	31st Dec. ,,	In progress.
17	C.E. No. 771 A, dated 24th September 1888.	Pointsmen's huts at Aspari station ..	..	..	..	703 0 0	404 0 0	1,107 0 0	30th June ,,	Completed.
18	G.O., No. 756 R., dated 15th September 1888.	Two guards' bungalows at Gooty (each at Rs 5,088).	8,354 0 0	1,822 0 0	10,176 0 0	..	..	..	30th Sept. ,,	Do.
19	C.E. No. 800, dated 4th October 1888.	Stationmaster's house at Matmari ..	..	..	..	657 0 0	429 0 0	1,086 0 0	30th June ,,	Do.
20	C.E. No. 811, dated 6th October 1888.	Pointsmen's huts at Nancherla ..	..	..	..	701 0 0	404 0 0	1,105 0 0	30th ,, ,,	Do.
21	C.E. No. 812, dated 6th October 1888.	Stationmaster's house at Aspari ..	..	..	..	718 0 0	428 0 0	1,146 0 0	30th ,, ,,	Do.
22	C.E. No. 813, dated 6th October 1888.	Do. at Nancherla ..	..	..	..	717 0 0	429 0 0	1,146 0 0	30th ,, ,,	Do.
23	C.E. No. 814, dated 6th October 1888.	Double house for the Stationmaster at Nandalúr.	..	..	..	1,316 0 0	442 0 0	1,758 0 0	30th ,, ,,	Do.
24	C.E. No. 815, dated 6th October 1888.	A double house for the Stationmaster at Kósgi.	..	..	..	1,363 0 0	442 0 0	1,805 0 0	31st Dec. ,,	Do.
25	G.O., No. 782 R., dated 25th September 1888.	Staff quarters at Gooty	4,357 0 0	1,728 0 0	6,085 0 0	110 0 0	..	110 0 0	30th Sept. ,,	Do.
26	C.E. No. 19, dated 9th January 1889.	Protective works considered emergent at 201-12 to 203-11 miles, North-west line.	2,511 0 0	394 0 0	2,905 0 0	4,916 0 0	..	4,916 0 0	31st Mar. 1890.	In progress.
27	C.E. No. 25, dated 11th January 1889.	Opening direct telegraph communication on the Morse wire between Ráyapuram, Vyasarpady, Perambúr and Madras.	..	..	..	135 0 0	239 0 0	374 0 0	10th Jan. ,,	Completed.
28	C.E. No. 36, dated 11th January 1889.	Extension of platform, &c., at Singanallur.	..	..	..	1,253 0 0	315 0 0	1,568 0 0	30th Sept. 1889.	Do.
29	C.E. No. 37, dated 14th January 1889.	Single house for Stationmaster at Kagankarai, South-west line.	..	..	..	746 0 0	267 0 0	1,013 0 0	30th ,, ,,	Do.
30	C.E. No. 38, dated 14th January 1889.	Single house for the Assistant Stationmaster at Pádi, North-west line.	..	..	..	909 0 0	266 0 0	1,175 0 0	30th ,, ,,	Do.
31	C.E. No. 39, dated 14th January 1889.	Extension of platform at Tiruvallam, South-west line.	..	..	..	669 0 0	649 0 0	1,318 0 0	30th June ,,	Do.
32	G.O., No 71 R., dated 22nd January 1889.	Alterations and additions to sidings at Kolar road, Bangalore branch.	1,861 0 0	7,622 0 0	9,483 0 0	205 0 0	..	205 0 0	30th Sept. ,,	Do.
33	C.E. No. 100, dated 29th January 1889.	Cross over road at Pódanúr	350 0 0	2,397 0 0	2,747 0 0	..	..	..	30th June ,,	Do.
34	G.O., No. 127 R., dated 1st February 1889.	Station-house, &c., at Ulli	3,630 0 0	4,307 0 0	7,937 0 0	..	..	..	31st Mar. 1890.	In progress.
35	G.O., No. 111 R., dated 1st February 1889.	Single needle instruments, &c., required for opening telegraph offices at trial and additional stations to meet the requirements of Traffic department.	4,122 0 0	3,588 0 0	7,710 0 0	..	..	..	31st ,, 1891.	Do.
36	C.E. No. 152, dated 18th February 1889.	Converting station-house into goods shed and goods shed into station-house at Tirúr.	..	..	..	570 0 0	710 0 0	1,280 0 0	30th Sept. 1889.	Completed.
37	C.E. No. 153, dated 18th February 1889.	Horse and carriage dock siding at Guntakal junction.	..	..	..	213 0 0	1,774 0 0	1,987 0 0	30th June ,,	Do.
38	G.O., No. 218 R., dated 26th February 1889.	Overbridge at the east end of Perambúr.	591 0 0	4,831 0 0	5,422 0 0	..	..	..	31st Mar. 1890.	In progress.
39	C.E. No. 212, dated 9th March 1889.	Substituting a derrick for a lay-bye at Mangalam station.	..	..	..	558 0 0	1,228 0 0	1,786 0 0	30th Sept. 1889.	Completed.

31st December

Schedule of Works sanctioned or in progress up to ~~30th November~~ 1889, under the authority of the Madras Government, &c.—*cont.*

Register No.	Authority and Date.	Description of Work.	ESTIMATE. Capital. Cash.	Capital. Stores.	Capital. Total.	Revenue. Cash.	Revenue. Stores.	Revenue. Total.	Date of lapse of sanction.	Remarks. It should be stated in this column whether in progress or completed.
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
40	G.O., No. 328 R., dated 25th March 1889.	A tiffin-room at Perambúr station ..	3,496 0 0	3,504 0 0	7,000 0 0	..	..	..	31st Mar. 1890.	In progress.
41	C.E. No. 321, dated 9th April 1889.	Enlarging and deepening locomotive well No. 2 at Salem.	2,125 0 0	..	2,125 0 0	422 0 0	..	422 0 0	30th Sept. 1889.	Completed.
42	G.O., No. 379 R., dated 16th April 1889.	Station-house, &c., at Krishnapuram station.	3,035 0 0	2,841 0 0	5,876 0 0	11 0 0	..	11 0 0	30th June 1890.	In progress.
43	C.E. No. 355, dated 17th April 1889.	Locomotive Foreman's bungalow at Gooty.	..	..	..	3,333 0 0	1,939 0 0	5,272 0 0	30th „ „	Do.
44	G.O., No. 464 R., dated 26th April 1889.	Thirty-ton weigh-bridge and siding at Bangalore pettah.	1,071 0 0	5,428 0 0	6,499 0 0	..	..	..	31st Dec. 1889.	~~Do.~~ Completed. 30th June 1890.
45	C.E. No. 406, dated 8th May 1889.	Weigh-bridge and alteration of cross over road at Kolar road, Bangalore branch.	348 0 0	2,831 0 0	3,179 0 0	270 0 0	..	270 0 0	~~31st~~ „ „	In abeyance.
46	G.O., No. 527 R., dated 10th May 1889.	Thirty-ton weigh-bridge and siding at Guntakal junction.	894 0 0	5,689 0 0	6,583 0 0	..	..	..	31st „ „	~~In progress.~~ Completed.
47	G.O., No. 552 R., dated 15th May 1889.	Station-house, &c., at Vanganur ..	10,089 0 0	12,393 0 0	22,482 0 0	..	..	..	30th June 1890.	~~Do.~~ In progress.
48	G.O., No. 559 R., dated 17th May 1889.	Crane lines, &c., in the general stores yard at Ráyapuram.	232 0 0	4,991 0 0	5,223 0 0	..	..	..	30th Sept. 1889.	Completed.
49	G.O., No. 560 R., dated 17th May 1889.	Alteration of the main line and additional sidings at Kolar road.	2,738 0 0	7,047 0 0	9,785 0 0	200 0 0	..	200 0 0	31st Dec. „	~~In progress.~~ do
50	C.E. No. 466, dated 28th May 1889.	A new saloon carriage in replacement of the one sold to His Highness Aga Khan.	2,530 0 0	4,250 0 0	6,780 0 0	..	..	..	14th April „	~~Completed.~~ do
51	G.O., No 588 R., dated 22nd May 1889.	Extension of platform and through siding at Ottapalam.	1,194 0 0	2,387 0 0	3,581 0 0	44 0 0	..	44 0 0	31st Dec. „	Do.
52	C.E. No. 484, dated 3rd June 1889.	Five-ton crane at Rénigunta	295 0 0	2,640 0 0	2,935 0 0	..	..	..	31st „ „	Do.
53	C.E. No. 488, dated 6th June 1889.	Stationmaster's bungalow at Kolar road.	2,188 0 0	939 0 0	3,127 0 0	..	..	..	30th June 1890.	~~In progress.~~ do
54	G.O., No. 639 R, dated 5th June 1889.	Extension of through siding at Kanyikód.	1,314 0 0	1,860 0 0	3,174 0 0	33 0 0	..	33 0 0	31st Dec. 1889.	Do.
55	C.E. No. 493, dated 7th June 1889.	Extension of platform and through siding at Vániyambádi.	1,552 0 0	2,469 0 0	4,021 0 0	771 0 0	64 0 0	835 0 0	31st „ „	Do.
56	G.O., No. 642 R., dated 6th June 1889.	Additional siding accommodation required at Kámasamudram.	2,734 0 0	3,791 0 0	6,525 0 0	63 0 0	..	63 0 0	31st „ „	Do.
57	C.E. No. 514, dated 17th June 1889.	Native signaller's bungalow at Guntakal junction.	2,736 0 0	701 0 0	3,437 0 0	..	..	..	30th June 1890.	~~Do.~~ In progress
58	C.E. No. 515, dated 17th June 1889.	Extension of platform and through siding at Peddapád.	1,577 0 0	3,246 0 0	4,823 0 0	33 0 0	..	33 0 0	31st Dec. 1889.	~~Do.~~ Completed
59	C.E. No. 516, dated 17th June 1889.	Extension of through siding at Tiruvallam.	1,290 0 0	1,585 0 0	2,875 0 0	16 0 0	..	16 0 0	31st „ „	Do.
60	C.E. No. 528, dated 20th June 1889.	Harness-maker's sewing machine and ten Ebrahardt's portable weighing-machines.	..	..	..	..	2,525 0 0	2,525 0 0	31st July „	~~Completed.~~ do
61	G.O., No. 684 R., dated 18th June 1889.	Extension of platform and through siding at Kuttipuram.	1,914 0 0	3,235 0 0	5,149 0 0	154 0 0	..	154 0 0	31st Dec. „	~~In progress.~~ do
62	C.E. No. 572, dated 8th July 1889.	Extension of platform and through siding at Tirutani.	..	..	..	334 0 0	535 0 0	869 0 0	31st Mar. 1890.	Do.
63	Do. do. ..	Goods shed siding at Tirutani ..	..	..	..	168 0 0	1,213 0 0	1,381 0 0	31st „ „	Do.
64	C.E. No. 593, dated 13th July 1889.	Platform at Aryanur station	1,391 0 0	1,342 0 0	2,733 0 0	..	..	..	31st „ „	Do.
65	C.E. No. 594, dated 13th July 1889.	Extension of goods shed lay-bye at Yerraguntla.	261 0 0	2,151 0 0	2,412 0 0	..	..	..	31st „ „	~~Completed.~~ do
66	C.E. No. 595, dated 13th July 1889.	Raising the ground for loading purposes at Kolar road.	..	..	..	1,188 0 0	..	1,188 0 0	31st „ „	In progress.
67	C.E. No. 625, dated 26th July 1889.	An emergency stock shed at Gooty ..	..	..	..	920 0 0	974 0 0	1,894 0 0	31st „ „	Do.
68	G.O., No. 800 R., dated 25th July 1889.	Through siding at Tyakal station ..	1,551 0 0	6,251 0 0	7,802 0 0	49 0 0	..	49 0 0	31st „ „	Do.
69	C.E. No. 643, dated 2nd August 1889.	Additional shelves for roof lamps at Raichur.	..	..	..	30 0 0	244 0 0	274 0 0	31st Dec 1889.	~~Do.~~ Completed
70	C.E. No. 659, dated 12th August 1889.	Extension of the goods godown and loading bank at Sankaridrug.	1,359 0 0	1,139 0 0	2,498 0 0	..	..	..	31st Mar. 1890.	~~Do.~~ In progress
71	C.E. No. 660, dated 12th August 1889.	Reconstruction of the single 9 feet opening at 2/8 miles, South-west line.	..	..	..	2,441 0 0	..	2,441 0 0	31st „ „	~~Not commenced.~~ do
72	C.E. No. 661, dated 12th August 1889.	Verandah to the Assistant Traffic Manager's bungalow at Gooty.	..	..	..	709 0 0	353 0 0	1,062 0 0	31st „ „	~~In progress.~~ do
73	C.E. No. 662, dated 12th August 1889.	Extension of the goods-shed at Erode station.	2,117 0 0	1,569 0 0	3,686 0 0	22 0 0	..	22 0 0	31st „ „	Do.
74	C.E. No. 663, dated 12th August 1889.	Raising the pitching of the Ambatúr tank from 10/6 to 10/13 and 10/20 to 11/8 miles.	3,267 0 0	..	3,267 0 0	..	..	..	31st „ „	Do.
75	C.E. No. 664, dated 12th August 1889.	Extension of a laterite siding at Ráyapuram.	..	..	..	300 0 0	1,342 0 0	1,642 0 0	31st Dec. 1889.	Completed.
76	C.E. No. 681, dated 17th August 1889.	Altering the old shed lately used by the Cash department at Salt Cotaurs.	..	..	..	404 0 0	600 0 0	1,004 0 0	31st „ „	~~In progress.~~ do
77	G.O., No. 1082 R., dated 8th October 1889.	Alterations and additions to locomotive sidings, &c., at Jalárpet.	1,268 0 0	6,974 0 0	8,242 0 0	3,793 0 0	349 0 0	4,142 0 0	31st „ 1890.	~~Do.~~ In progress
78	C.E. No. 851, dated 17th October 1889.	Fixing a crane capable of lifting five tons at Salem.	281 0 0	2,640 0 0	2,921 0 0	..	..	..	31st Mar. „	~~Not commenced.~~ do
79	C.E. No. 855, dated 17th October 1889.	Fixing a crane capable of lifting three tons at Tirúr.	202 0 0	2,046 0 0	2,248 0 0	..	..	..	30th June „	~~Do.~~ Not Commenced
80	C.E. No. 857, dated 17th October 1889.	Pointsmen's and scavengers' huts and latrine at Mallapuram.	2,762 0 0	736 0 0	3,498 0 0	..	..	..	31st Dec. „	In progress.
81	C.E. No. 858, dated 17th October 1889.	Lay-bye, loading bank and goods godown at Kupgal.	1,565 0 0	3,129 0 0	4,694 0 0	..	..	..	30th June „	Do.
82	G.O., No. 1146 R., dated 22nd October 1889.	Additional siding and cross over road at Arkónam.	2,789 0 0	4,903 0 0	7,692 0 0	204 0 0	..	204 0 0	30th „ „	Do.
83	G.O., No. 1155 R., dated 25th October 1889.	Proposed waiting sheds at Perambúr ..	1,610 0 0	5,668 0 0	7,278 0 0	..	..	..	31st Dec. „	~~Not commenced.~~ do
84	C.E. No. 936, dated 8th November 1889.	A tank-house on 15 feet arch bridge No. 242 near the Pennér bridge.	2,222 0 0	135 0 0	2,357 0 0	..	..	..	30th June „	Do.

Schedule of Works sanctioned or in progress up to ~~30th November~~ 31st December 1889, under the authority of the Madras Government, &c.—*cont.*

Register No.	Authority and Date.	Description of Work.	ESTIMATE. Capital. Cash.	Capital. Stores.	Capital. Total.	Revenue. Cash.	Revenue. Stores.	Revenue. Total.	Date of lapse of sanction.	Remarks. It should be stated in this column whether in progress or completed.
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
85	C.E. No. 952, dated 13th November 1889.	Tank-house to be erected on 20 feet arch bridge No. 180 near the Chitrávati bridge.	..	..	..	2,331 0 0	127 0 0	2,458 0 0	30th June 1890	In progress.
86	C.E. No. 953, dated 13th November 1889.	Extension of through siding at Coimbatore.	489 0 0	1,633 0 0	2,122 0 0	144 0 0	..	144 0 0	30th ,, ,,	Do.
87	C.E. No. 958, dated 14th November 1889.	Extension of through siding at Gudiyátam.	416 0 0	1,643 0 0	2,059 0 0	62 0 0	..	62 0 0	30th ,, ,,	~~Not commenced.~~ do
88	C.E. No. 968, dated 18th November 1889.	Workshop along the engine shed at Rénigunta.	507 0 0	884 0 0	1,391 0 0	..	..	..	30th ,, ,,	Do.
89	C.E. No. 983, dated 23rd November 1889.	Loading bank and goods godown at Somanur.	1,268 0 0	223 0 0	1,491 0 0	..	..	..	30th ,, ,,	Do.
90	C.E. No. 984, dated 23rd November 1889.	Goods godown at Madukarai	961 0 0	240 0 0	1,201 0 0	..	..	..	30th ,, ,,	Do.
91	C.E. No. 993, dated 28th November 1889.	Extension of through siding at Tirupatúr.	226 0 0	861 0 0	1,087 0 0	98 0 0	..	98 0 0	30th ,, ,,	Do.
92	C.E. No. 994, dated 28th November 1889.	Extension of platform at Tudiyalur ..	797 0 0	778 0 0	1,575 0 0	44 0 0	..	44 0 0	30th ,, ,,	Do.
93	C.E. No. 995, dated 28th November 1889.	Extension of platform at Kadiampatti ..	835 0 0	508 0 0	1,343 0 0	77 0 0	..	77 0 0	30th ,, ,,	Do.
94	C.E. No. 998, dated 29th November 1889.	Extension of through siding at Sholinghur.	807 0 0	1,930 0 0	2,737 0 0	16 0 0	..	16 0 0	30th ,, ,,	Do.
95	C.E. No. 999, dated 29th November 1889.	Extension of platform at Chinnammápet.	1,425 0 0	1,606 0 0	3,031 0 0	154 0 0	..	154 0 0	30th ,, ,,	Do.
		Total amount of sanctions granted up to date.	1,14,114 8 0	1,70,924 8 0	2,85,039 0 0	38,807 14 0	20,769 2 0	59,577 0 0		
96	G.O. No. 1330 R d/ 32 Dec. 1889	Siding and cross over road at Olavakodu	1,043 —	5841 —	6884 —	"	"	"	30th "	do
97	C.E. No. 1027 d/ 7th Dec. 1889.	Auxiliary well of 20 ft diameter to be constructed at Bangalore.	"	"	"	1102 —	332 —	1434 —	30th "	Not commenced
98	C.E. No. 1037 d/ 11th Dec. 1889	Station masters house at Eraniad.	911 —	267 —	1178 —	"	"	"	30th "	do
99	C.E. No. 1055 d/ 13th Dec. 1889.	Station master's house at Reddipalli	911 —	267 —	1178 —	"	"	"	30th "	do
100	C.E. No. 1078 d/ 20th Dec. 1889	Waiting shed at Gudalur on the Nilgiri branch.	1,076 —	193 —	1269 —	"	"	"	30th "	do
101	G.O. No. 1414 R d/ 20th Dec. 1889.	Permanent station at Penner.	9,503 —	5,607 —	15,110 —	183 —	"	183 —	31st Dec. "	do
102	C.E. No. 1089 d/ 21st Dec. 1889.	Extension of the platform and through siding at Kanalapukam	560 —	1813 —	2373 —	33 —	"	33 —	30th June "	do
103	C.E. No. 1090 d/ 21st Dec. 1889.	Extension of platform and through siding at Koudapurdam.	460 —	1421 —	1881 —	33 —	"	33 —	30th "	do
		Total amount of Sanctions granted upto date.	1,28,578—8	1,80,333—8	3,14,912—	40,158—14	21,101—2	61,260—		

~~Budget grant of the year~~ for Capital works ..... Rs 7,82,500

Total Sanctions against the budget grant ..... Rs 6,16,665

Balance available for future Sanctions. 1,65,835

A.D.G. Shelley Lieut. R.E.
for Consulting Engineer for Railways

2-90

Submitted to Government for transmission to the Director-General of Railways.

Order—dated 15th January 1890, No. 60 R., Public Works.

Ordered to be forwarded to the Director-General of Railways.

(Here enter No. 61 R., dated 15th January 1890.)

(True Extract.)

(Signed) C. J. SMITH, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

To the Consulting Engineer for Railways.
" Examiner, Guaranteed Railway Accounts.

Exd. J. Moses.
Spare Copies

RAILWAY.

Govt. of {1890} Madras.

PUBLIC WORKS.

PW Encl
11089/90

Dated January, 15th.

Recd. *Encl.*

G.O., 15th Jan. 1890, No. 60 R.

JANUARY.

Estimates

Schedule of — sanctioned on the Madras Railway up to 30th November 1889, ordered to be forwarded to the Director-General of Railways.

FORM No. 1.

PUBLIC WORKS DEPARTMENT.

OFFICE OF CONSULTING ENGINEER FOR RAILWAYS,

Madras, 3rd February 1890.

Schedule of Estimates sanctioned on the Madras Railway upto 31st December 1889.

No. 84

SUBMITTED _____ to _____ Government for transmission to the Director General of Railways.

A.D.G. Straby Lieut, R.E.

for Cons: Engineer for Railways

2-2-90

Form No. 3.

From

THE CONSULTING ENGINEER

FOR RAILWAYS,

MADRAS,

No. 84

Dated 3rd February 1890.

Received 4-2-90

No. OF ENCLOSURES.

Subject.

Schedule of Estimates sanctioned on the Madras Railway upto 31st December 1889.

A

Nr 208-9 R 78. Feby/90.

Nr. 208 R 78. Feby/90

C.S.

8.2.90

Ordered to be forwarded to the Director General of Railways.

Nr. 209 R 78 Feby: 1890

Forwarded.

C.S.

5.2.90

R

8

Nr 8/3

C R 28/3

8-2-90

1108.

Govt. of 18 | Madras.

PUBLIC WORKS.

Dated 27/2/90

Read. 28/2/90 Encl.

G.O., 8th Feby 1890 No. 208-9R.

Statistics

Schedule of — sent to the Madras Railway to 31st Dec 1889 ordered to be forwarded to the Director General of Rys:

Statistics

Forwg schedule of Statistics — sent to the Madras Railway to 31st Dec 1889.