

15TH JANUARY 1890, No. 60 R., PUBLIC WORKS.

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.

16	C.E. No. 766, dated 24th September 1888.	Catch-siding at Kupnam	1,352 0 0	2,087 0 0	3,439 0 0	703 0 0	404 0 0	1,107 0 0	31st Dec.	In progress.
17	C.E. No. 771 A, dated 24th September 1888.	Pointsmen's huts at Aspari station	..	..	..	..	..	..	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 Matnari	..	..	..	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 Nandaldr.	..	..	..	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 Kōsēgi.	..	..	..	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 in the Morse wire between Rayapuram, Vyasarpaty, Perambār 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 Singanailur.	..	..	..	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 Kagan-karai, 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 Station-master at Pādi, 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 32nd 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 Pōdanur	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 Tirūr.	..	..	..	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. 213 R., dated 26th February 1889.	Overbridge at the east end of Perambār.	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 30th November 1889, under the authority of the Madras Government, &c.—cont.

Register No.	Authority and Date.	Description of Work.	ESTIMATE.						REMARKS. It should be stated in this column whether in progress or completed.
			CAPITAL.			REVENUE.			Date of lapse of sanction.
			Cash.	Stores.	Total.	Cash.	Stores.	Total.	
40	G.O. No. 328 R., dated 25th March 1889.	A tiffin-room at Perambdr station	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	31st Mar. 1890.
			3,496 0 0	3,504 0 0	7,000 0 0	..	..	..	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.
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.
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	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.
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	2,881 0 0	3,179 0 0	270 0 0	..	270 0 0	31st "
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 "
47	G.O. No. 559 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.
48	G.O. No. 559 R., dated 17th May 1889.	Crane lines, &c., in the general stores yard at Rayapuram.	232 0 0	4,991 0 0	5,223 0 0	..	..	..	Do.
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	30th Sept. 1889.
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	..	..	..	In progress.
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	Completed.
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	..	..	..	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	..	..	..	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	In progress.
55	C.E. No. 493, dated 7th June 1889.	Extension of platform and through siding at Vaniyambadi.	1,652 0 0	2,469 0 0	4,021 0 0	771 0 0	64 0 0	835 0 0	Do.
56	G.O. No. 642 R., dated 6th June 1889.	Additional siding accommodation required at Kamasamudram.	2,734 0 0	3,791 0 0	6,525 0 0	63 0 0	..	63 0 0	Do.
57	C.E. No. 514, dated 17th June 1889.	Native signalman's bungalow at Guntakal junction.	2,736 0 0	701 0 0	3,437 0 0	..	..	..	Do.
58	C.E. No. 515, dated 17th June 1889.	Extension of platform end through siding at Peddapé.	1,577 0 0	3,246 0 0	4,823 0 0	33 0 0	..	33 0 0	Do.

59	C.E. No. 516, dated 17th June 1889.	Extension of through siding at Tiru- vallam.	1,290 0 0	1,585 0 0	2,875 0 0	16 0 0	..	16 0 0	31st "
60	C.E. No. 528, dated 20th June 1889.	Harness-maker's sewing machine and ten Ebhardt's portable weighing-ma- chines.	..	..	..	..	2,525 0 0	2,525 0 0	31st July "
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. "
62	C.E. No. 572, dated 8th July 1889.	Extension of platform and through sid- ing at Tirutani.	..	..	..	334 0 0	556 0 0	869 0 0	31st Mar. 1890.
63	Do.	Goods shed siding at Tirutani	1,391 0 0	1,342 0 0	2,733 0 0	168 0 0	1,213 0 0	1,381 0 0	31st "
64	C.E. No. 593, dated 13th July 1889.	Platform at Arayanur station	261 0 0	2,151 0 0	2,412 0 0	..	..	..	31st "
65	C.E. No. 594, dated 13th July 1889.	Extension of goods shed lay-by at Yerraguntla.	..	..	..	1,188 0 0	..	1,188 0 0	Completed.
66	C.E. No. 595, dated 13th July 1889.	Raising the ground for loading purposes at Kolar road.	..	..	..	920 0 0	974 0 0	1,894 0 0	In progress.
67	C.E. No. 625, dated 26th July 1889.	An emergency stock shed at Gooty	..	..	..	49 0 0	..	49 0 0	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	30 0 0	244 0 0	274 0 0	Do.
69	C.E. No. 643, dated 2nd August 1889.	Additional shelves for roof lamps at Ratchur.	..	..	..	..	..	..	Do.
70	C.E. No. 659, dated 12th August 1889.	Extension of the goods godown and load- ing bank at Sankaridrug.	..	..	..	2,441 0 0	..	2,441 0 0	Do.
71	C.E. No. 660, dated 12th August 1889.	Reconstruction of the single 9 feet open- ing at 2/8 miles South-west line.	..	..	..	709 0 0	353 0 0	1,062 0 0	Do.
72	C.E. No. 661, dated 12th August 1889.	Verandah to the Assistant Traffic Man- ager's bungalow at Gooty.	..	..	..	22 0 0	..	22 0 0	Not commenced.
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	..	..	..	In progress.
74	C.E. No. 663, dated 12th August 1889.	Raising the pitching of the Ambakur tank from 10/6 to 10/13 and 10/20 to 11/8 miles.	3,267 0 0	..	3,267 0 0	..	..	..	Do.
75	C.E. No. 664, dated 12th August 1889.	Extension of a laterite siding at Ráya- puram.	..	..	..	300 0 0	1,342 0 0	1,642 0 0	Do.
76	C.E. No. 681, dated 17th August 1889.	Altering the old shed lately used by the Cash department at Salt Coftours.	..	..	..	404 0 0	600 0 0	1,004 0 0	Completed.
77	G.O. No. 1082 R., dated 8th October 1889.	Alterations and additions to locomotive sidings, &c., at Jaldrpet.	1,268 0 0	6,974 0 0	8,242 0 0	8,793 0 0	349 0 0	4,142 0 0	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	..	..	..	Do.
79	C.E. No. 855, dated 17th October 1889.	Fixing a crane capable of lifting three tons at Tirur.	202 0 0	2,046 0 0	2,248 0 0	..	..	..	Not commenced.
80	C.E. No. 857, dated 17th October 1889.	Pointmen's and scavengers' huts and latrine at Mallapuram.	2,762 0 0	736 0 0	3,498 0 0	..	..	..	Do.
81	C.E. No. 858, dated 17th October 1889.	Lay-by, loading bank and goods godown at Kuppul.	1,565 0 0	3,129 0 0	4,694 0 0	..	..	..	In progress.
82	G.O. No. 1146 R., dated 22nd October 1889.	Additional siding and cross over road at Arkonam.	2,789 0 0	4,903 0 0	7,692 0 0	204 0 0	..	204 0 0	Do.
83	G.O. No. 1155 R., dated 25th October 1889.	Proposed waiting sheds at Perambdr	1,610 0 0	5,668 0 0	7,278 0 0	..	..	..	Do.
84	C.E. No. 936, dated 8th November 1889.	A tank-house on 15 feet arch bridge No. 242 near the Penné bridge.	2,222 0 0	135 0 0	2,357 0 0	..	..	..	Not commenced.

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.						REMARKS. It should be stated in this column whether in progress or completed.				
			CAPITAL.			REVENUE.				Date of lapse of sanction.			
			Cash.	Stores.	Total.	Cash.	Stores.	Total.					
			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 Chitravati 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 Coimba- ture.	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 Gudiya- tam.	415 0 0	1,643 0 0	2,059 0 0	62 0 0	..	62 0 0	30th "	Not commenced.			
88	C.E. No. 968, dated 18th November 1889.	Workshop along the engine shed at Réni- gunta.	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 Soma- nur.	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 Tiru- patūr.	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 Tudiyaalur ..	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	608 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 Sholin- ghur.	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	20,769 2	59,577 0 0					

Budget grant for the year for Capital works
Total sanctions against the budget grant

Rs.
7,82,600
6,01,684
1,80,916

Balance available for future sanctions ..

MADRAS,
9th January 1890.

(Signed) SIDNEY SMITH, Major, R.E.,
for Consulting Engineer for Railways.

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.

ENDORSEMENT—dated 15th January 1890, No. 61 R., Public Works.

Forwarded.

(By Order.)

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

Exd. J. Moses.
Spare Copies

RAILWAY.

Gobt. of {1890} Madras.
PUBLIC WORKS.

Dated January, 15th.

Recd.

Encl.

G.O., 15th Jan. 1890, Nos. 60 R.,
61 R.

JANUARY.

Estimates

Forwarding schedule of — sanctioned on
the Madras Railway up to 30th Novem-
ber 1889.

10TH DECEMBER 1889, No. 1366 R., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From the Consulting Engineer for Railways, dated Madras, 4th December 1889,
No. 490.

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

[Statement]

SCHEDULE of Works sanctioned or in progress up to 31st October 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.		
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.	Rs. A. P. 1,312 0 0	Rs. A. P. 3,424 0 0	Rs. A. P. 4,736 0 0	Rs. A. P. ..	Rs. A. P. ..	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.	
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.	
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 Palghat station.	332 0 0	341 0 0	673 0 0	..	..	31st "	In progress.	
7	Do. do.	Rail posts, wires, instruments, &c., required for opening telegraph offices, block and bell circuits on Palghat 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.
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.
10	G.O., No. 741 R., dated 8th September 1888.	Foot-bridge at the west end of Perambur 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. "	Completed.
12	C.E. No. 747, dated 21st September 1888.	Do. at Kōsgi 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 Rāyacherni 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 Tunga-bhadra.	..	..	..	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 Nandalur.	..	..	..	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 Kōsgi.	..	..	..	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 Rāyapuram, Vyasarpady, Perambūr 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 Kagan-karai, 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 Pōdi, 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 Pōdanūr ..	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 Tirūr.	..	..	..	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 Perambūr.	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.

30th November

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

ESTIMATE.										
Register No.	Authority and Date.	Description of Work.	CAPITAL.			REVENUE.			Date of lapse of sanction.	REMARKS. It should be stated in this column whether in progress or completed.
			Cash.	Stores.	Total.	Cash.	Stores.	Total.		
40	G.O., No. 328 R., dated 25th March 1889.	A tiffin-room at Perambur station.	Rs. A. P. 3,496 0 0	Rs. A. P. 3,504 0 0	Rs. A. P. 7,000 0 0	Rs. A. P. ..	Rs. A. P. ..	Rs. A. P. ..	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. 404 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.
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 "	Do.
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 "	Do.
47	G.O., No. 552 R., dated 10th May 1889.	Station-house, &c., at Vanganur.	10,089 0 0	12,393 0 0	22,482 0 0	..	..	..	30th June 1890.	Do.
48	G.O., No. 559 R., dated 17th May 1889.	Crane lines, &c., in the general stores yard at Rayapuram.	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.
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.
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 Renigunta.	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.
54	G.O., No. 639 R., dated 6th June 1889.	Extension of through siding at Kanyikod.	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 Vaniyambadi.	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 Kanasamundram.	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.
58	C.E. No. 515, dated 17th June 1889.	Extension of platform and through siding at Peddapad.	1,577 0 0	3,246 0 0	4,823 0 0	33 0 0	..	33 0 0	31st Dec. 1889.	Do.

In advance
In progress

84	L.C. No: 936 of 1889	15	2,222-00	135-00	2,357-00	2,357-00	30 th June	do
	15	15	2,222-00	135-00	2,357-00	2,357-00	30 th June	do
85	L.C. No: 952 of 1889	20	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
	20	20	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
86	L.C. No: 953 of 1889	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
	41	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
87	L.C. No: 958 of 1889	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
	41	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
88	L.C. No: 968 of 1889	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
	41	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
89	L.C. No: 983 of 1889	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
	41	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
90	L.C. No: 984 of 1889	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
	41	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
91	L.C. No: 993 of 1889	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
	41	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
92	L.C. No: 994 of 1889	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
	41	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
93	L.C. No: 995 of 1889	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
	41	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
94	L.C. No: 998 of 1889	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
	41	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
95	L.C. No: 999 of 1889	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do
	41	41	1,489-00	144-00	1,633-00	1,633-00	30 th June	do

Budget grant for the year for Capital works - Rs 7,82,500
 Total Sanctions against the budget grant - Rs 6,01,684
 Balance available for future sanctions - Rs 1,80,816

M. Adarav
 9th January 90

Sidney Smith

Major D. J. For Comd. Engrs. J. P. G. J.

ALWAYS,
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1890.58

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

ORDER—dated 10th December 1889, No. 1366 R., Public Works.

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

(Here enter No. 1367 R., dated 10th December 1889.)

(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. Henricus
Spare Copies

RAILWAY.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated December, 10th.

Recd.

Encl.

G.O., 10th Dec. 1889, No. 1366 R.

DECEMBER.

Schedule of Estimates

The — sanctioned on the Madras Railway up to 31st October 1889, ordered to be forwarded to the Government of India.

Form No. 1.

PUBLIC WORKS DEPARTMENT.

OFFICE OF CONSULTING ENGINEER FOR RAILWAYS,

Madras, 9th January 1890.

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

No. 10

SUBMITTED

to

Government.

28 for transmission to the Director General of Railways.

Siding Smith

Major P.D. for Genl. Engr. for Cys

R 60 R 15 Jan 190.

From

THE CONSULTING ENGINEER

FOR RAILWAYS,

MADRAS.

No. 10

Dated

9th January 1890.

Received

10th

No. of ENCLOSURES.

Subject.

Schedule of Estimates sanctioned on the Madras Railway up to 30th December 1889.

A

R 60-61 R 15 Jan 190.

Govt. of 18 Madras.

PUBLIC WORKS.

16/1/91

Dated

Recd.

Encl.

G.O. 15 Jan 1890 No. 60/61 R

Re: Estimates

Schedule of - sanctioned on the M.R. up to 30th Dec 89 ordered to be forwarded to the 18th Jan of 1900.

Estimates

1/3 of Schedule of - sanctioned on the M.R. up to 30th Dec 89

C.S.

10.1.90

R

26/1/90

28/1/90

The Consulting Engineer
- For Reports -

15