

SCHEDULE of Works sanctioned or in progress up to 31st May 1890, 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.						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. ..	RS. A. P. ..	25th July 1891.	In progress.
2	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 " "	Do.
3	C.E. No. 766, dated 24th September 1883.	Catch-siding at Kuppam ..	1,352 0 0	2,087 0 0	3,439 0 0	..	..	..	30th June 1890.	Do.
4	C.E. No. 1189, dated 16th January 1890.	Station-house &c. at Tirur ..	3,630 0 0	4,307 0 0	7,937 0 0	..	..	..	30th " "	Do.
32	G.O., No. 33 R., dated 11th January 1890.	Alterations and additions to the station-house at Bangalore Cantonment.	10,307 0 0	9,021 0 0	19,328 0 0	958 0 0	..	958 0 0	30th June " "	Do.
33	C.E. No. 70, dated 23rd January 1890.	Proposed lay-by and crane at Tirur ..	861 0 0	2,634 0 0	3,495 0 0	..	..	..	30th Sept. 1890.	Do.
34	C.E. No. 71, dated 23rd January 1890.	A house for the Station-master and Assistant Station-master at McDonald's Choultry.	1,224 0 0	499 0 0	1,723 0 0	..	..	..	30th " "	Do.
35	C.E. No. 72, dated 23rd January 1890.	A house for the Station-master and the Assistant Station-master at Uttukuli.	1,230 0 0	499 0 0	1,729 0 0	..	..	..	30th " "	Do.
36	C.E. No. 73, dated 24th January 1890.	Fixing lightning conductors to the buildings at Calicut.	349 0 0	755 0 0	1,104 0 0	..	..	..	31st Mar. 1891.	Do.
37	C.E. No. 83, dated 29th January 1890.	Converting the salt godown at Bangalore into a running guard's bungalow.	1,387 0 0	887 0 0	2,274 0 0	62 0 0	..	62 0 0	30th Sept. 1890.	Do.
38	C.E. No. 90, dated 31st January 1890.	Pandal for a Telegraph Inspector's bungalow at Gooty.	..	..	..	87 0 0	81 0 0	168 0 0	31st Mar. " "	Do.
39	Do. do.	Pandal for a double engine-driver's bungalow at Gooty.	..	..	..	114 0 0	104 0 0	218 0 0	31st " "	Completed.
40	Do. do.	Pandal for a married guard's bungalow at Gooty.	..	..	..	114 0 0	104 0 0	218 0 0	31st " "	In progress.
41	Do. do.	Pandal for a fireman's bungalow at Gooty.	..	..	..	206 0 0	166 0 0	372 0 0	31st " "	Completed.
42	Do. do.	Pandal for two guards' bungalow at Gooty.	..	..	..	458 0 0	368 0 0	826 0 0	31st " "	In progress.
43	C.E. No. 102, dated 4th February 1890.	Extension of trimming shop in carriage shop at Perambur Works.	129 0 0	1,107 0 0	1,236 0 0	11 0 0	..	11 0 0	30th Sept. " "	Not commenced.
44	G.O., No. 215 R., dated 11th February 1890.	Through siding at Vizianangalam ..	3,204 0 0	7,508 0 0	10,712 0 0	..	..	..	30th " "	In progress.

Schedule of Works sanctioned or in progress up to 31st May 1890, under the authority of the Madras Government, &c.—cont.

Authority and Date.			Description of Work.		ESTIMATE.				REVENUE.				Date of lapse of sanction.		REMARKS.		
Register No.					CAPITAL.		Total.		Cash.		Stores.		Total.				
					Cash.	Stores.	Cash.	Stores.	Cash.	Stores.	Cash.	Stores.					
45	G.O. No. 216 R., dated 11th February 1890.	Station-house, &c., at Pallipugam	..	..	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	31st Mar. 1891.	In progress.		
46	C.E. No. 167, dated 20th February 1890.	Proposed alterations and additions to station-house at Kolar road.	2,912	0 0	653	0 0	3,565	0 0	55	0 0	..	..	55	0 0	30th Sept. 1890.	Do.	
47	C.E. No. 170, dated 20th February 1890.	Guard's bungalow for two families at Arkonam.	2,932	0 0	1,615	0 0	4,547	0 0	..	..	..	..	..	31st Mar. 1891.	Do.		
48	C.E. No. 189, dated 27th February 1890.	Guard's bungalow for two families at Podanur.	3,018	0 0	1,145	0 0	4,163	0 0	..	..	..	..	..	31st "	Do.		
49	C.E. No. 217, dated 6th March 1890.	Alteration of catch siding at Jalarpet	..	..	..	..	..	..	3,078	0 0	396	0 0	3,474	0 0	30th Sept. 1890.	Do.	
50	C.E. No. 228, dated 10th March 1889.	Double engine-driver's bungalow at Rénigunta.	3,485	0 0	1,460	0 0	4,945	0 0	..	..	..	..	..	31st Mar. 1891.	Do.		
51	C.E. No. 229, dated 10th March 1890.	Permanent-way Inspector's bungalow at Podanur.	2,426	0 0	1,075	0 0	3,501	0 0	..	..	..	..	..	31st "	Do.		
52	C.E. No. 230, dated 10th March 1890.	Twelve firemen's houses at Gooty	..	..	..	..	..	..	3,010	0 0	620	0 0	3,630	0 0	31st "	Do.	
53	C.E. No. 231, dated 10th March 1890.	Fitting all covered goods wagons with screw couplings.	..	..	..	..	..	..	1,916	0 0	2,374	0 0	4,290	0 0	30th June "	Do.	
54	G.O. No. 372 R., dated 15th March 1890.	Additions and alterations to sidings, &c., at Kolar road.	3,265	0 0	13,006	0 0	16,271	0 0	1,440	0 0	468	0 0	1,908	0 0	31st Mar. "	Do.	
55	G.O. No. 373 R., dated 15th March 1890.	Lay-bye, loading bank and goods godown at Patchur.	4,504	0 0	4,457	0 0	8,961	0 0	..	..	..	..	..	31st "	Do.		
56	G.O. No. 410 R., dated 22nd March 1890.	A third line and lay-bye at Mullanur, Bangalore branch.	3,910	0 0	5,848	0 0	9,758	0 0	361	0 0	..	..	361	0 0	30th Sept. 1890.	Do.	
57	G.O. No. 459 R., dated 1st April 1890.	Running drivers and foreman's bungalow at Rénigunta.	5,611	0 0	2,167	0 0	7,778	0 0	..	..	..	..	..	31st Mar. 1891.	Do.		
58	C.E. No. 347, dated 19th April 1890.	Proposed platform at Kadalundi	2,605	0 0	1,639	0 0	4,244	0 0	..	..	..	..	..	31st Dec. 1890.	Do.		
59	C.E. No. 365, dated 25th April 1890.	Third-class waiting room, &c., at Tiruvallur.	1,259	0 0	1,452	0 0	2,711	0 0	395	0 0	31	0 0	426	0 0	31st "	Do.	
60	C.E. No. 389, dated 3rd May 1890.	Extension of platform and through siding at Kuppal.	1,052	0 0	1,662	0 0	2,714	0 0	74	0 0	..	..	74	0 0	31st "	Do.	
61	C.E. No. 394, dated 6th May 1890.	Extension of goods shed at Tirupur	2,367	0 0	2,416	0 0	4,783	0 0	620	0 0	..	..	620	0 0	31st "	Do.	
62	C.E. No. 411, dated 10th May 1890.	Lay-bye at Tudiyalur	584	0 0	1,821	0 0	2,405	0 0	..	..	..	..	..	31st "	Do.		
63	C.E. No. 422, dated 14th May 1890.	Alterations and additions to an existing clerk's house for a Station-master and his Assistant at Mullanur.	..	..	..	..	..	..	1,390	0 0	724	0 0	2,114	0 0	31st "	Do.	
64	C.E. No. 434, dated 17th May 1890.	Proposed alteration of sidings, &c., at Salem.	1,293	0 0	3,432	0 0	4,725	0 0	217	0 0	..	..	217	0 0	31st "	Do.	
65	C.E. No. 436, dated 20th May 1890.	Station-house at Kankankarai	1,729	0 0	860	0 0	2,589	0 0	..	..	..	..	..	31st "	Not commenced.		

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

Rs.
.. 5,68,000
.. 3,00,334
Balance available for future sanctions .. 2,68,666

MADRAS.

7th July 1890.

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

16TH JULY 1890, No. 1020 R., PUBLIC WORKS.

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

ORDER—dated 16th July 1890, No. 1020 R., Public Works.

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

(Here enter No. 1021 R., dated 16th July 1890).

(True Extract.)

(Signed) T. GRACEY, Lieut.-Col., R.E.,
Offg. Joint Secy. to Govt., P.W.D.,
Railway Branch.

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

ENDORSEMENT—dated 16th July 1890, No. 1021 R., Public Works.

Forwarded.

(By Order.)

Lieut.-Col., R.E.,
Offg. Joint Secy. to Govt., P.W.D.,
Railway Branch.

RAILWAY.

Gobt. of {1890} Madras
PUBLIC WORKS.

Dated July, 16th.

Recd.

Encl.

**G.O., 16th July 1890, Nos. 1020,
1021 R.**

JULY.

Madras Railway

Forwarding the schedule of estimates
sanctioned on the — up to 31st May 1890.

17TH MAY 1890, No. 681 R., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From the Consulting Engineer for Railways, dated Madras, 12th May 1890,
No. 333.

SCHEDULE of Estimates sanctioned on the Madras Railway up to 31st March 1890.

[Statement.]

Madras **SCHEDULE of Works sanctioned or in progress up to 31st March 1890, 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.						REMARKS.
			CAPITAL.		REVENUE.				
			Cash.	Stores.	RS. A. P.	Total.	Cash.	Stores.	
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. ..	RS. A. P. ..	26th July 1891. In progress.
2	do.	Electric-starting semaphore signal interlocked with block instruments required for the trial stations opened during 1887-88.	402 0 0	1,284 0 0	1,776 0 0	..	..	..	31st Dec. 1889. Completed.
3	do.	Block instruments, stores, &c., required for setting up trial stations opened during 1887-88.	1,238 0 0	1,480 0 0	2,768 0 0	..	..	..	26th July 1891. In progress.
4	do.	Instruments, stores, &c., required for opening telegraph offices at stations on the Calicut extension.	936 0 0	1,069 0 0	1,005 0 0	..	..	..	26th July 1890. 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.	349 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 " " Do.
7	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. 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 Sept. " Do.
9	C.E. No. 749, dated 21st September 1888.	Catch-siding at Kuppam.	1,352 0 0	2,087 0 0	3,439 0 0	..	..	..	30th June 1890. In progress.
10	C.E. No. 766, dated 24th September 1888.	Two guards' bungalows at Gooty (each at Rs. 5,088).	8,954 0 0	1,922 0 0	10,176 0 0	..	..	..	30th Sept. " Completed.
11	C.E. No. 811, dated 6th October 1888.	Pointsmen's huts at Nancherla.	..	..	..	701 0 0	404 0 0	1,105 0 0	30th June " Do.
12	C.E. No. 812, dated 6th October 1888.	Station-master's house at Aspari.	..	..	..	718 0 0	428 0 0	1,146 0 0	30th " " Do.
13	C.E. No. 814, dated 6th October 1888.	Double house for the Station-master at Nandalur.	..	..	..	1,316 0 0	442 0 0	1,758 0 0	30th " " Do.
14	C.E. No. 25, dated 11th January 1889.	Opening direct telegraph communication on the Morse wire between Rayapuram, Vyasapady, Perambur and Madras.	..	..	..	195 0 0	269 0 0	464 0 0	10th Jan. 1890. Do.

15	C.E. No. 26, dated 11th January 1889.	Extension of platform, &c., at Singa- nallur.	..	..	..	1,259 0 0	315 0 0	1,568 0 0	Do. 30th Sept. 1889.
16	C.E. No. 109, dated 24th January 1889.	Cross-over track at Pindur.	356 0 0	2,397 0 0	2,747 0 0	..	..	..	Do. 30th June "
17	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	..	..	..	In progress. 30th June 1890.
18	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	..	..	..	Do. 31st " 1891.
19	C.E. No. 152, dated 18th February 1889.	Horse and carriage dock siding at Guntur.	..	..	..	213 0 0	1,774 0 0	1,987 0 0	Completed. 30th June 1889.
20	C.E. No. 228 R., dated 24th March 1889.	A tiffin room at Perambur station.	3,496 0 0	2,504 0 0	5,000 0 0	..	..	..	Do. 31st Mar. 1890.
21	C.E. No. 367, dated 17th April 1889.	Locomotive Foreman's bungalow at Gooty.	..	..	..	3,338 0 0	1,999 0 0	5,272 0 0	Do. 30th June "
22	C.E. No. 406, dated 8th May 1889.	Weight-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	In progress. 30th June 1890.
23	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	..	..	..	Do. 30th "
24	C.E. No. 466, dated 29th May 1889.	A new saloon carriage in replacement of the one sold to His Highness Aga Khan.	2,566 0 0	4,250 0 0	6,730 0 0	..	..	..	Completed. 14th April 1889.
25	C.E. No. 514, dated 17th June 1889.	Native signalman's bungalow at Guntur.	2,736 0 0	701 0 0	3,437 0 0	..	..	..	In progress. 30th June 1890.
26	C.E. No. 528, dated 30th June 1889.	Hindustani's saving machine and ten Hindustani's portable weighing machines.	..	..	..	2,555 0 0	..	2,555 0 0	Completed. 31st July 1889.
27	C.E. No. 557, dated 12th July 1889.	Raising the ground for leading purposes at Kolar road.	..	..	..	1,188 0 0	..	1,188 0 0	Do. 31st Mar. 1890.
28	G.O. No. 609 R., dated 12th July 1889.	Through siding at Tyndal station.	1,551 0 0	6,251 0 0	7,802 0 0	49 0 0	..	49 0 0	Do. 31st "
29	C.E. No. 642, dated 22nd August 1889.	Additional shelves for roof lumps at Vandalur.	..	..	..	30 0 0	244 0 0	274 0 0	Do. 31st Dec. 1889.
30	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	In progress. 31st Mar. 1890.
31	C.E. No. 664, dated 13th August 1889.	Extension of a latrine siding at Raya- puram.	..	..	..	300 0 0	1,342 0 0	1,642 0 0	Completed. 31st Dec. 1889.
32	C.E. No. 681, dated 17th August 1889.	Altering the old shed lately used by the East department at Sait Cottaram.	..	..	..	404 0 0	600 0 0	1,004 0 0	Do. 31st "
33	G.O. No. 1032 R., dated 8th October 1889.	Alterations and additions to locomotive siding, &c., at Jalapet.	1,268 0 0	6,974 0 0	8,242 0 0	3,793 0 0	349 0 0	4,142 0 0	In progress. 31st Dec. 1890.
34	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. 31st Dec. "
35	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	..	..	..	Do. 30th June "
36	C.E. No. 858, dated 17th October 1889.	Lay-by, loading bank and goods godown at Kuppam.	1,565 0 0	3,129 0 0	4,694 0 0	..	..	..	Do. 30th "
37	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. 31st Dec. 1890.
38	G.O. No. 1155 R., dated 25th October 1889.	Proposed waiting sheds at Perambur.	1,610 0 0	5,668 0 0	7,278 0 0	..	..	..	Do. 31st Dec. 1890.

Register No.	Authority and Date.	Description of Work.	ESTIMATE.						Date of lapse of sanction.	REMARKS.
			CAPITAL.			REVENUE.				
			Cash.	Stores.	Total.	Cash.	Stores.	Total.		
16 40	C.E. No. 986, dated 8th November 1889.	A tank-house on 15-feet arch bridge No. 242 near the Pennér bridge.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	30th June 1890.	In progress.
17 41	C.E. No. 987, dated 13th November 1889.	Tank-house to be erected on 20-feet arch bridge No. 180 near the Chitravati bridge.	2,222 0 0	135 0 0	2,357 0 0	..	..	..	30th "	Do.
18 42	C.E. No. 988, dated 18th November 1889.	Workshop along the engine shed at Rénigunta.	507 0 0	884 0 0	1,391 0 0	..	..	..	30th "	Do.
19 43	C.E. No. 989, dated 23rd November 1889.	Loading bank and goods godown at Somamur.	1,268 0 0	223 0 0	1,491 0 0	..	..	..	30th "	Do.
20 44	C.E. No. 990, dated 23rd November 1889.	Goods godown at Madhavasi.	961 0 0	240 0 0	1,201 0 0	..	..	..	30th "	Completed.
21 45	C.E. No. 991, dated 28th November 1889.	Extension of through siding at Tissa.	299 0 0	861 0 0	1,067 0 0	98 0 0	..	98 0 0	30th "	Do.
22 46	C.E. No. 992, 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 "	In progress.
23 47	C.E. No. 993, dated 28th November 1889.	Extension of platform at Kadampatti.	835 0 0	508 0 0	1,343 0 0	77 0 0	..	77 0 0	30th "	Do.
24 48	C.E. No. 994, dated 28th 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.
25 49	C.E. No. 995, dated 29th November 1889.	Extension of platform at Chinnamápet.	1,425 0 0	1,806 0 0	3,231 0 0	154 0 0	..	154 0 0	30th "	Do.
26 50	C.E. No. 1000 R., dated 3rd December 1889.	Siding and cross-over road at Olavakóde.	1,043 0 0	5,841 0 0	6,884 0 0	..	..	..	30th "	Completed.
27 51	C.E. No. 1001, dated 7th December 1889.	Auxiliary wall of 20 feet diameter to be constructed at Bangalore.	..	..	..	1,102 0 0	332 0 0	1,434 0 0	30th "	In progress.
28 52	C.E. No. 1002, dated 11th December 1889.	Station-master's house at Urumpad.	911 0 0	267 0 0	1,178 0 0	..	..	..	30th "	Do.
29 53	C.E. No. 1003, dated 13th December 1889.	Station-master's house at Reddipalli.	911 0 0	267 0 0	1,178 0 0	..	..	..	30th "	Do.
30 54	C.E. No. 1004, dated 20th December 1889.	Waiting shed at Gúdálur on the Nilgiri branch.	1,076 0 0	193 0 0	1,269 0 0	..	..	..	30th "	Do.
31 55	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.
32 56	C.E. No. 1005, dated 21st December 1889.	Extension of the platform and through siding at Kamalapuram.	659 0 0	1,813 0 0	2,473 0 0	96 0 0	..	96 0 0	30th June "	Completed.
33 57	C.E. No. 1006, 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 "	In progress.
34 58	C.E. No. 20, dated 10th January 1890.	Pointsmen's and scavengers' huts at Kadambatur.	1,287 0 0	353 0 0	1,640 0 0	..	..	..	30th Sept. "	Do.

	C.E. No. 21, dated 10th January 1890.	Pointmen's and scavengers' huts at Tad-patri.	2,937 0 0	611 0 0	3,548 0 0	719 0 0	666 0 0	1,974 0 0	31st Mar. 1891.	Do.
31	C.E. No. 25, dated 11th January 1890.	Erection of pandals to 8 bungalows at Rénigunta.	..	..	..	..	..	..	31st " 1890.	Completed.
32	G.O. No. 33 R., dated 11th January 1890.	Alterations and additions to the station-house at Bangalore Cantonment.	10,307 0 0	9,021 0 0	19,328 0 0	958 0 0	..	958 0 0	30th June 1891.	In progress.
33	C.E. No. 70, dated 23rd January 1890.	Proposed lay-by and crane at Tiror	861 0 0	2,634 0 0	3,495 0 0	..	..	..	30th Sept. 1890.	Do.
34	C.E. No. 71, dated 23rd January 1890.	A house for the Station-master and Assistant Station-master at McDonald's Choultry.	1,224 0 0	499 0 0	1,723 0 0	..	..	..	30th " "	Do.
35	C.E. No. 72, dated 23rd January 1890.	A house for the Station-master and the Assistant Station-master at Uttukuli.	1,280 0 0	499 0 0	1,729 0 0	..	..	..	30th " "	Do.
36	C.E. No. 73, dated 24th January 1890.	Fixing lightning conductors to the buildings at Calicut.	349 0 0	755 0 0	1,104 0 0	..	..	..	31st Mar. 1891.	Do.
37	C.E. No. 75, dated 24th January 1890.	Six temporary huts at Jalapet for the accommodation of patients infected with small-pox.	..	..	..	153 3 0	132 0 0	205 2 0	30th June 1890.	Completed.
38	C.E. No. 83, dated 25th January 1890.	Converting the salt godown at Bangalore into a running guards' bungalow.	1,387 0 0	887 0 0	2,274 0 0	62 0 0	..	62 0 0	30th Sept. "	Not commenced.
39	C.E. No. 90, dated 31st January 1890.	Pandal for a Telegraph Inspector's bungalow at Gooty.	..	..	..	87 0 0	81 0 0	163 0 0	31st Mar. "	In progress.
40	Do. do.	Pandal for a double engine-driver's bungalow at Gooty.	..	..	..	114 0 0	104 0 0	218 0 0	31st " "	Do. Temp.
41	Do. do.	Pandal for a married guard's bungalow at Gooty.	..	..	..	114 0 0	104 0 0	218 0 0	31st " "	Do. Super.
42	Do. do.	Pandal for a fireman's bungalow at Gooty.	..	..	..	206 0 0	166 0 0	372 0 0	31st " "	Do. Super.
43	C.E. No. 102, dated 4th February 1890.	Pandal for two guards' bungalow at Gooty. Extension of trimming shop in carriage shop at Perambur Works.	129 0 0	1,107 0 0	1,236 0 0	458 0 0	368 0 0	826 0 0	31st " "	Do. Super.
44	C.E. No. 104, dated 4th February 1890.	Cross-over road at Kolar road	116 0 0	1,551 0 0	1,667 0 0	11 0 0	..	11 0 0	30th Sept. "	Not commenced.
45	C.E. No. 125, dated 14th February 1890.	Emergent stock shed at Gooty	..	..	..	..	..	..	30th " "	Completed.
46	G.O. No. 215 R., dated 11th February 1890.	Through siding at Vizianagaram	3,204 0 0	7,508 0 0	10,712 0 0	..	..	..	30th June "	Do.
47	G.O. No. 216 R., dated 11th February 1890.	Station-house, &c., at Palipuram	6,072 0 0	7,218 0 0	13,290 0 0	..	..	..	30th Sept. "	In progress.
48	C.E. No. 167, dated 20th February 1890.	Proposed alterations and additions to station-house at Kolar road.	2,912 0 0	653 0 0	3,565 0 0	55 0 0	..	55 0 0	31st Mar. 1891.	Do.
49	C.E. No. 170, dated 20th February 1890.	Guard's bungalow for two families at Arkonam.	2,932 0 0	1,615 0 0	4,547 0 0	..	..	..	30th Sept. 1890.	Do.
50	C.E. No. 187, dated 27th February 1890.	A 3-ton crane at Mangalam	433 0 0	1,980 0 0	1,613 0 0	..	..	..	31st Mar. 1891.	Do.
51	C.E. No. 189, dated 27th February 1890.	Guard's bungalow for two families at Pódanúr.	3,018 0 0	1,145 0 0	4,163 0 0	..	..	..	30th June 1890.	Completed.
52	C.E. No. 217, dated 6th March 1890.	Alteration of catch siding at Jalapet.	..	..	..	3,078 0 0	396 0 0	3,474 0 0	31st Mar. 1891.	In progress.
53	C.E. No. 228, dated 10th March 1890.	Double Engine-driver's bungalow at Rénigunta.	3,485 0 0	1,460 0 0	4,945 0 0	..	..	..	30th Sept. 1890.	Do.
54	C.E. No. 229, dated 10th March 1890.	Permanent-way Inspector's bungalow at Pódanúr.	2,426 0 0	1,075 0 0	3,501 0 0	..	..	..	31st Mar. 1891.	Do.
55	C.E. No. 230, dated 10th March 1890.	Twelve Firemen's houses at Gooty.	..	..	..	3,010 0 0	620 0 0	3,630 0 0	31st " "	Do.

Schedule of Works sanctioned or in progress up to 31st March 1890, under the authority of the Madras Government, &c.—cont.

6

17TH MAY 1890

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.		Total.			
			Cash.	Stores.	Cash.	Stores.				
53	C.E. No. 231, dated 10th March 1890.	Fitting all covered goods wagons with screw couplings.	..	..	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	30th June 1891.	In progress.
54	G.O., No. 372 R., dated 15th March 1890.	Additions and alterations to sidings, &c., at Kolar road.	3,265 0 0	13,006 0 0	16,271 0 0	1,916 0 0	2,374 0 0	4,290 0 0	31st Mar. 1891.	Not commenced.
55	G.O., No. 373 R., dated 15th March 1890.	Lay-by, loading bank and goods godown at Patchur.	4,504 0 0	4,457 0 0	8,961 0 0	..	..	..	31st "	Do.
56	G.O., No. 410 R., dated 22nd March 1890.	A third line and lay-by at Mullanur, Bangalore Branch.	3,910 0 0	5,848 0 0	9,758 0 0	361 0 0	..	361 0 0	30th Sept. 1890.	Do.
57	G.O. No. 291, dated 21st March 1890.	Enlarging and deepening locomotive well at Salem.	1,020 0 0	208 0 0	1,228 0 0	1,554 0 0	25 0 0	1,579 0 0	30th June 1890.	Completed.
58	G.O. No. 459 R. of 1st April 1890.	Running drivers and Sorensen's Bangalore at Rengipeta.	5611	2,167	7,778	..	..	..	31st March 1891.	Do.
59	G.O. No. 347 of 19th April 1890.	Proposed platform at Kadahundi.	2,605	1639	4,244	..	..	..	31st Dec 1890	Do.
60	G.O. No. 365 of 25th April 1890.	Hard class waiting room at Tirunelveli.	12,579	1452	2,711	395	31	426	31st "	Do.
61	G.O. No. 394 of 3rd May 1890.	Extension of platform and the siding at Kuppal.	1052	1662	2,714	74	..	74	31st "	Do.
62	G.O. No. 394 of 5th May 1890.	Extension of goods shed at Tirupur.	2367	2416	4,783	620	..	620	31st "	Do.
63	G.O. No. 422 of 14th May 1890.	Alterations and additions to an existing clerk's house for a station master and his assistant at Mulanur.	..	..	..	1,390	724	2,114	31st "	Do.
64	G.O. No. 434 of 17th May 1890.	Proposed alterations of sidings at Salem.	1293	3432	4,725	217	..	217	31st "	Do.
65	G.O. No. 436 of 20th May 1890.	Station house at Kagan Karai.	1729	860	2,589	..	..	..	31st "	Not commenced.
66	G.O. No. 457 of 26th May 1890.	Extension of platform and the siding at Parpanayadi.	1759	2,919	4,678	252	..	252	31st "	Do.
67	G.O. No. 462 of 29th May 1890.	Extension of through siding at Mullapuram.	386	980	1366	58	..	58	31st "	Do.
68	G.O. No. 464 of 29th May 1890.	Assistant station master's house at Kadugudi.	755	310	1065	..	..	..	31st "	Do.
69	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
70	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
71	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
72	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
73	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
74	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
75	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
76	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
77	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
78	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
79	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
80	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
81	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
82	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
83	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
84	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
85	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
86	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
87	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
88	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
89	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
90	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
91	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
92	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
93	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
94	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
95	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
96	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
97	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
98	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
99	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.
100	G.O. No. 708 R. of 22nd May 1890.	Platform 500 feet long and a lay-by at Vallur near Puddupatti.	2072	3448	5520	..	..	..	31st "	Do.

Sanctions granted upto date.	13/2/85	15/2/87	28/4/87	23/7/90	16/9	30/3/91	Rs
Budget grant of the year for Capital works							569,000
Total sanctions against the budget grant							300,334
Balance available for future sanctioned							268,666

Madras,
3 July 1890.

Belmont Major, R.E.

For Officiating Consulting Engineer to R.

17TH MAY 1890, No. 681 R., PUBLIC WORKS.

7

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

ORDER—dated 17th May 1890, No. 681 R., Public Works.

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

(Here enter No. 682 R., dated 17th May 1890.)

(True Extract.)

(Signed) SIDNEY SMITH, Major, R.E.,
Under-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 May, 17th.

Recd.

Encl.

G.O., 17th May 1890, No. 681 R.

MAY.

Madras Railway

Estimates sanctioned up to 31st March
The schedule of —, ordered to be
ed to the Director-General of
s.

Form No. 1.

PUBLIC WORKS DEPARTMENT.

OFFICE OF CONSULTING ENGINEER FOR RAILWAYS,

Madras, — 9th July — 1890.

*Schedule of Estimates sanctioned on the
Madras Railway up to 31st May 1890.*

No. 485

SUBMITTED

to

Government, for

*transmission to the Director
General of Railways.*

Sidney Smith

Major R.E.

for offg. Engr. for Rys.

Subject.—

9/290

From J. H. Gardiner Esq.

Form No. 3.

PW C No. 6515

From

THE CONSULTING ENGINEER

FOR RAILWAYS,

MADRAS,

A No. 1020 R of 16th July/90.

16/7/90

P.S.

Ordered to be forwarded to the Director General of Railways.

No. 485

Dated

Received

9th 10 } July 1890

14th No 1021 R of 16th July 1890

No. of ENCLOSURES. 1

Forwarded.

Subject.

Pucos
12.7.90
W.P.A.R

Schedule of Estimates
Sanctioned on the Madras
Railway up to 31st May
1890.

12
31/7

A
No 1020-21 R of 16th July/90.

12
31/7

20

The Consulting Engineer
for Rys
Ex. G. R. Rys

10/7
12/7 R 16-7-90