GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From the Consulting Engineer for Railways, dated Madras, 15th September 1890, No. 614.

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

MADRAS RAILWAY.

SCHEDULE of Works sanctioned or in progress up to 31st July 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.						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. ..	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.	Completed.
4	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	..	..	..	30th ,, ,,	Do.
5	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 Mar. 1891.	In progress.
6	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.	Completed.
7	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 Sept. ,,	In progress.
8	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 ,,	Completed.
9	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 Mar. ,,	Do.
10	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 Dec. ,,	Do.
11	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	..	..	..	30th June ,,	Do.
12	C.E. No. 857, dated 17th October 1889.	Pointsmen's and scavengers' huts and latrine at Mallápuram.	2,762 0 0	736 0 0	3,498 0 0	..	..	..	31st Dec. ,,	In progress.
13	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 ,,	Completed.
14	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.
15	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. ,,	In progress.
16	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 ,,	Completed.
17	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 ,, ,,	Do.

18	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.
19	C.E. No. 983, dated 23rd November 1889.	Loading bank and goods godown at Sómanúr.	1,268 0 0	223 0 0	1,491 0 0	..	..	..	30th ,, ,,	Do.
20	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.
21	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.
22	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.
23	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.
24	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 ,, ,,	Do.
25	C.E. No. 1037, dated 11th December 1889.	Station-master's house at Urampád ..	911 0 0	267 0 0	1,178 0 0	..	..	..	30th ,, ,,	Do.
26	C.E. No. 1055, dated 13th December 1889.	Station-master's house at Reddipalle ..	911 0 0	267 0 0	1,178 0 0	..	..	..	30th ,, ,,	Do.
27	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.
28	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. ,,	In progress.
29	C.E. No. 1090, dated 21st December 1889.	Extension of the platform and through siding at Kondápuram.	460 0 0	1,421 0 0	1,881 0 0	33 0 0	..	33 0 0	30th June ,,	Completed.
30	C.E. No. 20, dated 10th January 1890.	Pointsmen's and scavengers' huts at Kadambatúr.	1,287 0 0	353 0 0	1,640 0 0	..	..	..	30th Sept. ,,	In progress.
31	C.E. No. 21, dated 10th January 1890.	Pointsmen's and scavengers' huts at Tadpatri.	2,937 0 0	611 0 0	3,548 0 0	..	..	..	31st Mar. 1891.	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-bye and crane at Tirúr ..	861 0 0	2,634 0 0	3,495 0 0	..	..	..	30th Sept. 1890.	Completed.
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.	In progress.
37	C.E. No. 83, dated 29th January 1890.	Converting the salt godown at Bangalore into a goods shed, and constructing 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. ,,	Completed.
39	Do. do. ..	Pandal for a double engine-driver's bungalow at Gooty.	..	..	..	114 0 0	104 0 0	218 0 0	31st ,, ,,	Do.
40	Do. do. ..	Pandal for a married guard's bungalow at Gooty.	..	..	..	114 0 0	104 0 0	218 0 0	31st ,, ,,	Do.
41	Do. do. ..	Pandal for a fireman's bungalow at Gooty.	..	..	..	206 0 0	166 0 0	372 0 0	31st ,, ,,	Do.
42	Do. do. ..	Pandal for two guards' bungalow at Gooty.	..	..	..	458 0 0	368 0 0	826 0 0	31st ,, ,,	Do.
43	C.E. No. 102, dated 4th February 1890.	Extension of trimming shop in carriage shop at Perambúr Works.	129 0 0	1,107 0 0	1,236 0 0	11 0 0	..	11 0 0	31st Dec. ,,	In progress.
44	G.O., No. 215 R., dated 11th February 1890.	Through siding at Viziamangalam ..	3,204 0 0	7,508 0 0	10,712 0 0	..	..	..	30th Sept ,,	Completed.

Schedule of Works sanctioned or in progress up to 31st July 1890, 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.		
45	G.O., No. 216 R., dated 11th February 1890.	Station-house, &c., at Pallipuram ..	6,072 0 0	7,218 0 0	13,290 0 0	..	..	..	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 Arkónam.	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 Pódanúr.	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 Jalárpet ..	..	..	..	3,078 0 0	396 0 0	3,474 0 0	30th Sept. 1890.	Do.
50	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	..	..	..	31st Mar. 1891.	Do.
51	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 ,, ,,	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 ,, ,,	In abeyance.
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 ,,	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	1,440 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 Tiruvallum.	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 Kupgal.	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 Kagankarai	1,729 0 0	860 0 0	2,589 0 0	..	..	..	31st ,, ,,	Do.
66	C.E. No. 457, dated 26th May 1890.	Extension of platform and through siding at Parpanangadi.	1,759 0 0	2,919 0 0	4,678 0 0	252 0 0	..	252 0 0	31st ,, ,,	Do.
67	C.E. No. 462, dated 29th May 1890.	Extension of through siding at Mallápuram.	386 0 0	980 0 0	1,366 0 0	56 0 0	..	56 0 0	31st ,, ,,	Do.
68	C.E. No. 464, dated 29th May 1890.	Assistant Station-master's house at Kadgudi.	755 0 0	310 0 0	1,065 0 0	..	..	..	31st ,, ,,	Do.
69	G.O., No. 708 R., dated 22nd May 1890.	Platform 500 feet long and a lay-bye at Vallur near Cuddapah.	2,072 0 0	3,448 0 0	5,520 0 0	..	..	..	31st ,, ,,	Do.
70	C.E. No. 479, dated 2nd June 1890.	Proposed drainage at 228-12 and 229-1 miles, North-West Line.	1,428 0 0	..	1,428 0 0	943 0 0	..	943 0 0	31st ,, ,,	Not commenced.
71	C.E. No. 545, dated 24th June 1890.	Proposed extension of platform at Tirupatór.	790 0 0	268 0 0	1,058 0 0	100 0 0	..	100 0 0	31st ,, ,,	Do.
72	G.O., No. 855 R., dated 19th June 1890.	Alterations, additions, &c., at Jalárpet station.	6,454 0 0	9,907 0 0	16,361 0 0	4,496 0 0	..	4,496 0 0	30th June 1891.	In progress.
73	C.E. No. 556, dated 26th June 1890.	Latrine accommodation to 33 third-class carriages.	..	..	..	363 0 0	1,353 0 0	1,716 0 0	..	Do.
74	C.E. No. 589, dated 7th July 1890.	Block of four houses for European and Eurasian fireman at Podanúr.	3,087 0 0	1,561 0 0	4,648 0 0	..	..	..	30th Sept. 1891.	Do.
75	C.E. No. 594, dated 8th June 1890.	Extension of the through siding at Shoranur.	497 0 0	1,346 0 0	1,843 0 0	142 0 0	..	142 0 0	31st Mar. ,,	Do.
76	C.E. No. 600, dated 9th July 1890.	Water-column, &c., at Mulanur ..	318 0 0	1,672 0 0	1,990 0 0	..	..	..	31st ,, ,,	Not commenced.
77	C.E. No. 612, dated 11th July 1890.	Bungalow at Bangalore City for the use of the Traffic staff.	3,655 0 0	1,319 0 0	4,974 0 0	..	..	..	30th Sept. ,,	Do.
78	C.E. No. 613, dated 11th July 1890.	Extension of platform, &c., at Erode ..	464 0 0	596 0 0	1,060 0 0	333 0 0	..	333 0 0	31st Mar. ,,	In progress.
79	C.E. No. 614, dated 11th July 1890.	Platform at Devankundi	1,564 0 0	1,201 0 0	2,765 0 0	..	..	..	31st ,, ,,	Not commenced.
80	C.E. No. 615, dated 11th July 1890.	Extension of platform and through siding at Parli..	1,266 0 0	1,659 0 0	2,925 0 0	94 0 0	..	94 0 0	31st ,, ,,	In progress.
81	C.E. No. 618, dated 12th July 1890.	Converting the Engineer's store-shed into a goods godown and extending the shed platform and a loading bank at Timmancherla.	..	..	..	1,409 0 0	1,325 0 0	2,734 0 0	31st ,, ,,	Do.
82	C.E. No. 619, dated 12th July 1890.	Construction of 12 brake-vans (additional sanction).	1,404 0 0	504 0 0	1,908 0 0	..	..	..	30th June 1890.	Completed.
83	C.E. No. 662, dated 29th July 1890.	Platform at Edakkolam	2,183 0 0	1,421 0 0	3,604 0 0	..	..	..	31st Mar. 1891.	Not commenced.
84	C.E. No. 663, dated 29th July 1890.	Extension of through siding at Morappur.	327 0 0	821 0 0	1,148 0 0	16 0 0	..	16 0 0	31st ,, ,,	Do.
		Total amount of sanctions granted up to date.	1,56,222 0 0	1,74,412 0 0	3,30,634 0 0	31,686 0 0	9,275 0 0	40,961 0 0		

	RS.
Budget grant of the year for Capital works	5,69,000
Total sanctions against the budget grant	3,32,257
Balance available for future sanctions ..	2,36,743

MADRAS,
15th September 1890.

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

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

ORDER—dated 20th September 1890, No. 1422 R., Public Works.

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

(Here enter No. 1423 R., dated 20th September 1890.)

(True Extract.)

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

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

ENDORSEMENT—dated 20th September 1890, No. 1423 R., Public Works.

Forwarded.

(By Order.)

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

Exd. J. Moses.
Spare Copies

RAILWAY.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated September, 20th.

Recd. *Encl.*

G.O., 20th Sept. 1890, Nos. 1422, 1423 R.

SEPTEMBER.

Estimates

Forwarding the schedule of estimates sanctioned on the Madras Railway up to 31st July 1890.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From the Consulting Engineer for Railways, dated Madras, 15th September 1890, No. 614.

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

MADRAS RAILWAY.

SCHEDULE of Works sanctioned or in progress up to 31st July 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. 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. ..	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.	Completed.
4	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	..	..	..	30th ,, ,,	Do.
5	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 Mar. 1891.	In progress.
6	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.	Completed.
7	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 Sept. ,,	In progress.
8	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 ,,	Completed.
9	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 Mar. ,,	Do.
10	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 Dec. ,,	Do.
11	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	..	..	..	30th June ,,	Do.
12	C.E. No. 857, dated 17th October 1889.	Pointsmen's and scavengers' huts and latrine at Mallápuram.	2,762 0 0	736 0 0	3,498 0 0	..	..	..	31st Dec. ,,	In progress.
13	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 ,,	Completed.
14	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.
15	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. ,,	In progress.
16	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 ,,	Completed.
17	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 ,, ,,	Do.
18	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.
19	C.E. No. 983, dated 23rd November 1889.	Loading bank and goods godown at Sómanúr.	1,268 0 0	223 0 0	1,491 0 0	..	..	..	30th ,, ,,	Do.
20	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.
21	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.
22	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.
23	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.
24	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 ,, ,,	Do.
25	C.E. No. 1037, dated 11th December 1889.	Station-master's house at Urampád ..	911 0 0	267 0 0	1,178 0 0	..	..	..	30th ,, ,,	Do.
26	C.E. No. 1055, dated 13th December 1889.	Station-master's house at Reddipalle ..	911 0 0	267 0 0	1,178 0 0	..	..	..	30th ,, ,,	Do.
27	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.
28	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. ,,	In progress.
29	C.E. No. 1090, dated 21st December 1889.	Extension of the platform and through siding at Kondápuram.	460 0 0	1,421 0 0	1,881 0 0	33 0 0	..	33 0 0	30th June ,,	Completed.
30	C.E. No. 20, dated 10th January 1890.	Pointsmen's and scavengers' huts at Kadambatúr.	1,287 0 0	353 0 0	1,640 0 0	..	..	..	30th Sept. ,,	In progress.
31	C.E. No. 21, dated 10th January 1890.	Pointsmen's and scavengers' huts at Tadpatri.	2,937 0 0	611 0 0	3,548 0 0	..	..	..	31st Mar. 1891.	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-bye and crane at Tirúr ..	861 0 0	2,634 0 0	3,495 0 0	..	..	..	30th Sept. 1890.	Completed.
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.	In progress.
37	C.E. No. 83, dated 29th January 1890.	Converting the salt godown at Bangalore into a goods shed, and constructing 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. ,,	Completed.
39	Do. do. ..	Pandal for a double engine-driver's bungalow at Gooty.	..	..	..	114 0 0	104 0 0	218 0 0	31st ,, ,,	Do.
40	Do. do. ..	Pandal for a married guard's bungalow at Gooty.	..	..	..	114 0 0	104 0 0	218 0 0	31st ,, ,,	Do.
41	Do. do. ..	Pandal for a fireman's bungalow at Gooty.	..	..	..	206 0 0	166 0 0	372 0 0	31st ,, ,,	Do.
42	Do. do. ..	Pandal for two guards' bungalow at Gooty.	..	..	..	458 0 0	368 0 0	826 0 0	31st ,, ,,	Do.
43	C.E. No. 102, dated 4th February 1890.	Extension of trimming shop in carriage shop at Perambúr Works.	129 0 0	1,107 0 0	1,236 0 0	11 0 0	..	11 0 0	31st Dec. ,,	In progress.
44	G.O., No. 215 R., dated 11th February 1890.	Through siding at Viziamangalam ..	3,204 0 0	7,508 0 0	10,712 0 0	..	..	..	30th Sept ,,	Completed.

Schedule of Works sanctioned or in progress up to 31st July 1890, 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.		
45	G.O., No. 216 R., dated 11th February 1890.	Station-house, &c., at Pallipuram ..	6,072 0 0	7,218 0 0	13,290 0 0	..	..	..	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 Arkónam.	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 Pódanúr.	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 Jalárpet ..	..	..	..	3,078 0 0	396 0 0	3,474 0 0	30th Sept. 1890.	Do.
50	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	..	..	..	31st Mar. 1891.	Do.
51	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 ,, ,,	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 ,, ,,	In abeyance.
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 ,,	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	1,440 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 Tiruvallum.	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 Kupgal.	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 Kagankarai	1,729 0 0	860 0 0	2,589 0 0	..	..	..	31st ,, ,,	Do.

66	C.E. No. 457, dated 26th May 1890.	Extension of platform and through siding at Parpanangadi.	1,759 0 0	2,919 0 0	4,678 0 0	252 0 0	..	252 0 0	31st ,, ,,	Do.
67	C.E. No. 462, dated 29th May 1890.	Extension of through siding at Mallápuram.	386 0 0	980 0 0	1,366 0 0	56 0 0	..	56 0 0	31st ,, ,,	Do.
68	C.E. No. 464, dated 29th May 1890.	Assistant Station-master's house at Kadgudi.	755 0 0	310 0 0	1,065 0 0	..	..	..	31st ,, ,,	Do.
69	G.O., No. 708 R., dated 22nd May 1890.	Platform 500 feet long and a lay-bye at Vallur near Cuddapah.	2,072 0 0	3,448 0 0	5,520 0 0	..	..	..	31st ,, ,,	Do.
70	C.E. No. 479, dated 2nd June 1890.	Proposed drainage at 228-12 and 229-1 miles, North-West Line.	1,428 0 0	..	1,428 0 0	943 0 0	..	943 0 0	31st ,, ,,	Not commenced.
71	C.E. No. 545, dated 24th June 1890.	Proposed extension of platform at Tirupatúr.	790 0 0	268 0 0	1,058 0 0	100 0 0	..	100 0 0	31st ,, ,,	Do.
72	G.O., No. 855 R., dated 19th June 1890.	Alterations, additions, &c., at Jalárpet station.	6,454 0 0	9,907 0 0	16,361 0 0	4,496 0 0	..	4,496 0 0	30th June 1891.	In progress.
73	C.E. No. 556, dated 26th June 1890.	Latrine accommodation to 33 third-class carriages.	..	..	..	363 0 0	1,353 0 0	1,716 0 0	..	Do.
74	C.E. No. 589, dated 7th July 1890.	Block of four houses for European and Eurasian fireman at Podanúr.	3,087 0 0	1,561 0 0	4,648 0 0	..	..	..	30th Sept. 1891.	Do.
75	C.E. No. 594, dated 8th June 1890.	Extension of the through siding at Shoranur.	497 0 0	1,346 0 0	1,843 0 0	142 0 0	..	142 0 0	31st Mar. ,,	Do.
76	C.E. No. 600, dated 9th July 1890.	Water-column, &c., at Mulanur ..	318 0 0	1,672 0 0	1,990 0 0	..	..	..	31st ,, ,,	Not commenced.
77	C.E. No. 612, dated 11th July 1890.	Bungalow at Bangalore City for the use of the Traffic staff.	3,655 0 0	1,319 0 0	4,974 0 0	..	..	..	30th Sept. ,,	Do.
78	C.E. No. 613, dated 11th July 1890.	Extension of platform, &c., at Erode ..	464 0 0	596 0 0	1,060 0 0	333 0 0	..	333 0 0	31st Mar. ,,	In progress.
79	C.E. No. 614, dated 11th July 1890.	Platform at Devankundi	1,564 0 0	1,201 0 0	2,765 0 0	..	..	..	31st ,, ,,	Not commenced.
80	C.E. No. 615, dated 11th July 1890.	Extension of platform and through siding at Parli.	1,266 0 0	1,659 0 0	2,925 0 0	94 0 0	..	94 0 0	31st ,, ,,	In progress.
81	C.E. No. 618, dated 12th July 1890.	Converting the Engineer's store-shed into a goods godown and extending the shed platform and a loading bank at Timmuncherla.	..	..	..	1,409 0 0	1,325 0 0	2,734 0 0	31st ,, ,,	Do.
82	C.E. No. 619, dated 12th July 1890.	Construction of 12 brake-vans (additional sanction).	1,404 0 0	504 0 0	1,908 0 0	..	..	..	30th June 1890.	Completed.
83	C.E. No. 662, dated 29th July 1890.	Platform at Edakkolam	2,183 0 0	1,421 0 0	3,604 0 0	..	..	..	31st Mar. 1891.	Not commenced.
84	C.E. No. 663, dated 29th July 1890.	Extension of through siding at Morappur.	327 0 0	821 0 0	1,148 0 0	16 0 0	..	16 0 0	31st ,, ,,	Do.
		Total amount of sanctions granted up to date.	1,56,222 0 0	1,74,412 0 0	3,30,634 0 0	31,686 0 0	9,275 0 0	40,961 0 0		

	RS.
Budget grant of the year for Capital works	5,69,000
Total sanctions against the budget grant	3,32,257
Balance available for future sanctions ..	2,36,743

MADRAS,
15th September 1890.

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

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

Order—dated 20th September 1890, No. 1422 R., Public Works.

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

(Here enter No. 1423 R., dated 20th September 1890.)

(True Extract.)

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 September, 20th.

Recd. *Encl.*

G.O., 20th Sept. 1890, No. 1422 R.

SEPTEMBER.

Estimates

Ordered that the schedule of — sanctioned on the Madras Railway up to 31st July 1890, be forwarded to the Director-General of Railways.

21st August 1890, No. 1220 R., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From the Consulting Engineer for Railways, dated Madras, 9th August 1890, No. 551.

Schedule of Estimates sanctioned on the Madras Railway up to 30th June 1890.

31st July MADRAS RAILWAY.

SCHEDULE of Works sanctioned or in progress up to ~~30th June~~ 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. 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. ..	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.	Completed.
4	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	..	..	..	30th ,, ,,	Do.
5	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 Mar. 1891.	In progress.
6	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.	Completed.
7	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 Septr ,,	In progress.
8	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 ,, ,,	Completed.
9	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 Mar. ,,	Do.
10	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 Dec. ,,	Do.
11	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	..	..	..	30th June ,,	Do.
12	C.E. No. 857, dated 17th October 1889.	Pointsmen's and scavengers' huts and latrine at Mallápuram.	2,762 0 0	736 0 0	3,498 0 0	..	..	..	31st Dec. ,,	In progress.
13	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 ,,	Completed.
14	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.
15	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. ,,	In progress.
16	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.~~ Completed.
17	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 ,, ,,	Do.
18	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.
19	C.E. No. 983, dated 23rd November 1889.	Loading bank and goods godown at Sómanúr.	1,268 0 0	223 0 0	1,491 0 0	..	..	..	30th ,, ,,	~~Completed.~~ do
20	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.
21	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.
22	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.
23	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.
24	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 ,, ,,	Do.
25	C.E. No. 1037, dated 11th December 1889.	Station-master's house at Urampád ..	911 0 0	267 0 0	1,178 0 0	..	..	..	30th ,, ,,	Do.
26	C.E. No. 1055, dated 13th December 1889.	Station-master's house at Reddipalle ..	911 0 0	267 0 0	1,178 0 0	..	..	..	30th ,, ,,	Do.
27	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.
28	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. ,,	In progress.
29	C.E. No. 1090, dated 21st December 1889.	Extension of the platform and through siding at Kondápuram.	460 0 0	1,421 0 0	1,881 0 0	33 0 0	..	33 0 0	30th June ,,	Completed.
30	C.E. No. 20, dated 10th January 1890.	Pointsmen's and scavengers' huts at Kadambatúr.	1,287 0 0	353 0 0	1,640 0 0	..	..	..	30th Sept. ,,	In progress.
31	C.E. No. 21, dated 10th January 1890.	Pointsmen's and scavengers' huts at Tadpatri.	2,937 0 0	611 0 0	3,548 0 0	..	..	..	31st Mar. 1891.	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-bye and crane at Tirúr ..	861 0 0	2,634 0 0	3,495 0 0	..	..	..	30th Sept. 1890.	Completed.
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.	In progress.
37	C.E. No. 83, dated 29th January 1890.	Converting the salt godown at Bangalore into a goods shed, and constructing 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. ,,	Completed.
39	Do. do. ..	Pandal for a double engine-driver's bungalow at Gooty.	..	..	..	114 0 0	104 0 0	218 0 0	31st ,, ,,	Do.
40	Do. do. ..	Pandal for a married guard's bungalow at Gooty.	..	..	..	114 0 0	104 0 0	218 0 0	31st ,, ,,	Do.
41	Do. do. ..	Pandal for a fireman's bungalow at Gooty.	..	..	..	206 0 0	166 0 0	372 0 0	31st ,, ,,	Do.
42	Do. do. ..	Pandal for two guards' bungalow at Gooty.	..	..	..	458 0 0	368 0 0	826 0 0	31st ,, ,,	Do.
43	C.E. No. 102, dated 4th February 1890.	Extension of trimming shop in carriage shop at Perambúr Works.	129 0 0	1,107 0 0	1,236 0 0	11 0 0	..	11 0 0	~~30th Sept.~~ 31st Decr ,,	In progress.
44	G.O., No. 215 R., dated 11th February 1890.	Through siding at Viziamangalam ..	3,204 0 0	7,508 0 0	10,712 0 0	..	..	..	30th ,, ,,	Completed.

21st August 1890, No. 1220 R., Public Works.

31st July

Schedule of Works sanctioned or in progress up to ~~30th June~~ 1890, 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.		
45	G.O., No. 216 R., dated 11th February 1890.	Station-house, &c., at Pallipuram ..	6,072 0 0	7,218 0 0	13,290 0 0	..	..	..	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 Arkónam.	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 Pódanúr.	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 Jalárpet ..	..	..	..	3,078 0 0	396 0 0	3,474 0 0	30th Sept. 1890.	Do.
50	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	..	..	..	31st Mar. 1891.	Do.
51	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 ,, ,,	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 ,, ,,	In abeyance.
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 ,,	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	1,440 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 Tiruvallum.	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 Kupgal.	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 Kagankarai	1,729 0 0	860 0 0	2,589 0 0	..	..	..	31st ,, ,,	Do.
66	C.E. No. 457, dated 26th May 1890.	Extension of platform and through siding at Parpanangadi.	1,759 0 0	2,919 0 0	4,678 0 0	252 0 0	..	252 0 0	31st ,, ,,	Do.
67	C.E. No. 462, dated 29th May 1890.	Extension of through siding at Mallápuram.	386 0 0	980 0 0	1,366 0 0	56 0 0	..	56 0 0	31st ,, ,,	Do.
68	C.E. No. 464, dated 29th May 1890.	Assistant Station-master's house at Kadgudi.	755 0 0	310 0 0	1,065 0 0	..	..	..	31st ,, ,,	Do.
69	G.O., No. 708 R., dated 22nd May 1890.	Platform 500 feet long and a lay-bye at Vallur near Cuddapah.	2,072 0 0	3,448 0 0	5,520 0 0	..	..	..	31st ,, ,,	~~Not commenced.~~ do
70	C.E. No. 479, dated 2nd June 1890.	Proposed drainage at 228-12 and 229-1 miles, North-west Line.	1,428 0 0	..	1,428 0 0	943 0 0	..	943 0 0	31st ,, ,,	~~Do.~~ Not commenced
71	C.E. No. 545, dated 24th June 1890.	Proposed extension of platform at Tirupatór.	790 0 0	268 0 0	1,058 0 0	100 0 0	..	100 0 0	31st ,, ,,	Do.
72	G.O., No. 855 R., dated 19th June 1890.	Alterations, additions, &c., at Jalárpet station.	6,454 0 0	9,907 0 0	16,361 0 0	4,496 0 0	..	4,496 0 0	30th June 1891.	~~Do.~~ In progress
73	C.E. No. 556, dated 26th June 1890.	Latrine accommodation to 33 third-class carriages.	..	..	..	363 0 0	1,353 0 0	1,716 0 0	..	~~In progress.~~ do
74	C.E. No. 589 of 7th July 1890.	Block of four houses for European and Eurasian firemen at Podanur.	3087	1561	4648	"	"	"	30th Sept. 1891	do
75.	C.E. No. 594 of 8th June 1890.	Extension of the through siding at							30th June 1890	Completed.
83.	C.E. No. 662 of 29th July 1890.	Platform at Edakkolam. . .	2183	1421	3604	"	"	"	31st March 1891.	Not Commenced
84.	C.E. No. 663 of 29th July 1890.	Extension of third siding at Morappur.	327	821	1148	16	"	16	31st "	do

Total Sanctions against the budget grant 2367 43

Balance available for future Sanctions.

Madras. September 1890.

Sidney Smith

Major R.E.
for Offg: Coy: Engr: for Railways.

	[illegible]	29th July 1890.	[illegible]	327	821	1148	16	"	16	31st	"	"	do
64	C.E. No. 434, dated 17th May 1890.	Proposed alteration of sidings, &c., at Salem.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
65	C.E. No. 436, dated 20th May 1890.	Station-house at Kagankarai	1,729 0 0	860 0 0	2,589 0 0	..	..	..	..	31st	"	"	Do.
66	C.E. No. 457, dated 26th May 1890.	Extension of platform and through siding at Parpanangadi.	1,759 0 0	2,919 0 0	4,678 0 0	252 0 0	..	252 0 0	31st	"	"	Do.
67	C.E. No. 462, dated 29th May 1890.	Extension of through siding at Mallápuram.	386 0 0	980 0 0	1,366 0 0	56 0 0	..	56 0 0	31st	"	"	Do.
68	C.E. No. 464, dated 29th May 1890.	Assistant Station-master's house at Kadgudi.	755 0 0	310 0 0	1,065 0 0	..	..	..	31st	"	"	Do.
69	G.O., No. 708 R., dated 22nd May 1890.	Platform 500 feet long and a lay-bye at Vallur near Cuddapah.	2,072 0 0	3,448 0 0	5,520 0 0	..	..	..	31st	"	"	~~Not commenced.~~ do
70	C.E. No. 479, dated 2nd June 1890.	Proposed drainage at 228-12 and 229-1 miles, North-west Line.	1,428 0 0	..	1,428 0 0	943 0 0	..	943 0 0	31st	"	"	~~Do.~~ Not commenced
71	C.E. No. 545, dated 24th June 1890.	Proposed extension of platform at Tirupatór.	790 0 0	268 0 0	1,058 0 0	100 0 0	..	100 0 0	31st	"	"	Do.
72	G.O., No. 855 R., dated 19th June 1890.	Alterations, additions, &c., at Jalárpet station.	6,454 0 0	9,907 0 0	16,361 0 0	4,496 0 0	..	4,496 0 0	30th June 1891.			~~Do.~~ In progress
73	C.E. No. 556, dated 26th June 1890.	Latrine accommodation to 33 third-class carriages.	..	..	..	363 0 0	1,353 0 0	1,716 0 0	..			~~In progress.~~ do
		Total amount of sanctions granted up to date.	1,41,457 0 0	1,62,312 0 0	3,03,769 0 0	29,692 0 0	7,950 0 0	37,642 0 0				

	Rs.
Budget grant of the year for Capital works	5,69,000
Total sanctions against the budget grant	3,19,006
Balance available for future sanctions ..	2,49,994

MADRAS,
9th August 1890.

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

RAILWAY.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated August, 21st.

Read. *Encl.*

G.O., 21st Aug. 1890, No. 1220 R.

AUGUST.

Estimates

Ordered that the schedule of — sanctioned on the Madras Railway up to 30th June 1890 be forwarded to the Government of India.

Form No. 2.

PUBLIC WORKS DEPARTMENT.

OFFICE OF CONSULTING ENGINEER FOR RAILWAYS,

Madras, 16th September 1890.

Schedule of Estimates Sanctioned on the Madras Railway upto 31st July 1890.

No. 614

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

Sidney Smith
Major R.E.
for Offg. Cons. Engr. for Rys.

Form No. 3.

A No. 1422 R dy 20th Sept 90

Ag 25/9/90

Ordered to be for-
warded to the Director General
of Railways.

Hy. No 1423 R of 20th Sept: 1890

Forwarded.

Hy

Pts: R

From

THE CONSULTING ENGINEER
FOR RAILWAYS,
MADRAS.

No. 614

Dated 18th } September 1890.
Received }

No. of Enclosures.

Subject.

Submitting, for trans-
mission to the Director
General of Railways,
Schedule of Estimates
Sanctioned on the
Railways, up to 31st July 1890.

A
No. 1422-23 R dy 20th Sept/90

2o
The Comg. Engr for Rys
- Exr Gl. Rly Labels

3/10/90

3/10

8743.

Govt. of {18 } Madras.

PUBLIC WORKS.

B/3819/90

Dated

Recd. Encl.

G.O., 20 Sept 1890, No. 1422-3R.

Estimates

Orders that the Schedule of Estimates sanctioned for the Madras Railways up to 31st July 1890 be laid before the District Engrs of Rys.

Estimates

Forwd: the Schedule of Estimates sanctioned on the Dn Rys up to 31st July 1890

50/340/2

12c 22/9.