GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper:—

From the Consulting Engineer for Railways, dated Madras, 26th July 1890, No. 519.

Schedule of Estimates sanctioned on the South Indian Railway up to 31st May 1890.

[*Statement.*

SOUTH INDIAN RAILWAY.

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).

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	G.O., No. 752 R., dated 13th September 1888.	Fourth-class station at Padalam in place of the existing temporary and trial stations.	4,206 0 0	3,210 0 0	7,416 0 0	..	..	..	31st Dec. 1890.	Not commenced.
2	C.E. No. 168, dated 9th March 1888.	An extra telegraph instrument for each station on the line.	2,588 4 0	2,407 8 3	4,995 12 3	..	..	..	30th Nov. 1889.	Completed.
3	C.E. No. 720, dated 19th October 1888.	Erecting a steel pale fence on the south side of the new General Stores Depôt at Trichinopoly junction (Erode branch).	..	..	..	521 0 0	911 0 0	1,432 0 0	31st Dec. 1890.	In progress.
4	C.E. No. 800, dated 6th November 1888.	Store-room and office for Permanent-way Inspector at Kumbakónam.	1,390 0 0	753 0 0	2,143 0 0	..	..	..	31st ,, ,,	Do.
5	C.E. No. 925, dated 13th December 1888.	Removing the existing broad gauge weigh-bridge and re-erecting a narrow gauge weigh-bridge at Negapatam.	..	..	..	344 0 0	1,724 0 0	2,068 0 0	30th Nov. ,,	Do.
6	Do. do. ..	Removing the existing broad gauge weigh-bridge and re-erecting a narrow gauge weigh-bridge at Trichinopoly Fort.	..	..	..	314 0 0	1,724 0 0	2,038 0 0	30th ,, ,,	Do.
7	C.E. No. 135, dated 9th February 1889.	Sinking a 15-feet well and constructing a cast-iron tank at Pal'ávaram.	1,512 0 0	1,999 0 0	3,511 0 0	..	..	..	31st Dec. ,,	Do.
8	C.E. No. 175, dated 21st February 1889.	Adding a third-class waiting-shed to the existing ticket office and joining up the present lay-bye with through siding at Kuttalam station.	..	..	..	412 0 0	995 0 0	1,407 0 0	31st Aug. ,,	Do.
9	G.O., No. 283 R., dated 14th March 1889.	Bungalows and out-houses for Permanent-way Inspectors at Tanjore.	3,383 0 0	1,056 0 0	4,439 0 0	..	..	..	31st Dec. ,,	Do.
10	Do. do. ..	Bungalows and out-houses for Permanent-way Inspectors at Máyavaram.	3,383 0 0	1,056 0 0	4,439 0 0	..	..	..	31st ,, ,,	Do.
11	C.E. No. 405, dated 8th May 1889.	Latrine at end of platform, Pallúr station.	..	..	..	300 0 0	182 0 0	482 0 0	7th Nov. ,,	Do.
12	C.E. No. 435, dated 18th May 1889.	Putting up a wire fencing around ground acquired for the enlargement of the Engineering workshops at Trichinopoly.	..	..	..	66 0 0	107 0 0	173 0 0	31st Dec. ,,	Do.
13	C.E. No. 607, dated 10th July 1889.	Permanent-way Inspector's bungalow with out-houses at Kumbakónam.	3,383 0 0	1,056 0 0	4,439 0 0	..	..	..	9th Jan. 1891.	Do.
14	G.O. No. 763 R., dated 10th July 1889.	An additional siding and Permanent-way Inspector's bungalow at the Egmore station.	5,346 0 0	3,881 0 0	9,227 0 0	..	..	..	12th July ,,	Completed.
15	C.E. No. 628, dated 16th July 1889.	Sinking a well 6 feet internal diameter at Perambair.	..	..	..	272 0 0	25 0 0	297 0 0	31st ,, 1890.	Do.
16	C.E. No. 680, dated 3rd August 1889.	Permanent-way Inspector's bungalow and out-houses at the Negapatam station.	3,928 0 0	1,064 0 0	4,992 0 0	..	..	..	2nd Feb. 1891.	In progress.
17	C.E. No. 682, dated 3rd August 1889.	Laying pipes and fixing a hydrant at the Egmore station.	..	..	..	662 0 0	74 0 0	736 0 0	31st July 1890.	Completed.
18	C.E. No. 740, dated 19th August 1889.	Flooring and apron to 6-feet culvert at 295 miles 13 T.P.	385 0 0	..	385 0 0	..	..	..	30th June ,,	Do.
19	C.E. No. 843, dated 17th September 1889.	One 12-feet girder bridge at 130 miles 62 chains.	2,921 0 0	546 0 0	3,467 0 0	..	..	..	16th Mar. 1891.	Do.
20	C.E. No. 867, dated 23rd September 1889.	Providing guttering to the covered way over the passenger platform of the Egmore station.	1,351 0 0	2,110 0 0	3,461 0 0	..	..	..	22nd Sept. 1890.	Not commenced.
21	G.O., No. 1112 R., dated 17th October 1889.	Extending the covered way over passenger platform at Trichinopoly junction.	2,359 0 0	15,740 0 0	18,099 0 0	1,885 0 0	1,082 0 0	2,967 0 0	18th April 1891.	Do.
22	C.E. No. 998, dated 5th November 1889.	Store-room and office for Permanent-way Inspector at Egmore.	1,397 0 0	745 0 0	2,142 0 0	..	..	..	4th Nov. 1890.	In progress.
23	Chief Engineer's Periyár Project, No. 2017 P.R., dated 12th November 1889.	* A bridge of 3-25 feet openings at mileage 327/12½.	Funds provided by Government in the estimate for Periyár project.					..	20th May 1891.	Do.
24	C.E. No. 17, dated 9th January 1890.	New weigh-bridge house at Negapatam.	..	..	..	336 0 0	71 0 0	407 0 0	8th Oct. 1890.	Do.
25	C.E. No. 113, dated 29th January 1890.	A rolling-stock repairing shed and providing permanent-way points and crossings at Egmore.	756 0 0	4,229 0 0	4,985 0 0	..	..	..	28th Jan. 1891.	Do.
26	C.E. No. 185, dated 14th February 1890.	Through siding at Puliyur	536 0 0	3,329 0 0	3,865 0 0	28 0 0	..	28 0 0	13th Nov. 1890.	Completed.
27	C.E. No. 281, dated 6th March 1890.	A new weigh-bridge house at Trichinopoly Fort.	..	..	..	380 0 0	71 0 0	451 0 0	5th Dec. ,,	In progress.
28	C.E. No. 299, dated 10th March 1890.	Laying pipes in lieu of existing well and fixing a hydrant at the Chetpat station.	..	..	..	226 0 0	74 0 0	300 0 0	31st ,, ,,	Do.
29	C.E. No. 302, dated 11th March 1890.	Re-arranging and fitting up the south toolshop at Negapatam.	..	..	..	1,300 0 0	..	1,300 0 0	10th Sept. ,,	Do.
30	C.E. No. 324, dated 15th March 1890.	Portable lamp-room at Egmore ..	..	..	..	56 0 0	906 0 0	962 0 0	14th Mar. 1891.	Not commenced.
31	G.O., No. 385 R., dated 18th March 1890.	Extending the siding accommodation at Panruti.	2,097 0 0	5,528 0 0	7,625 0 0	72 0 0	..	72 0 0	18th Dec. 1890.	Do.
32	C.E. No. 348, dated 24th March 1890.	Huts for telegraph linemen at Chingleput, Villupuram, and Cuddalore Old Town.	..	..	..	963 0 0	552 0 0	1,515 0 0	23rd ,, ,,	In progress.
33	C.E. No. 389, dated 2nd April 1890.	A platform for bone traffic at Tuticorin.	..	..	..	163 0 0	25 0 0	188 0 0	1st May ,,	Completed.
34	C.E. No. 391, dated 2nd April 1890.	Altering the siding accommodation at Cuddalore Old Town.	62 0 0	1,902 0 0	1,964 0 0	274 0 0	..	274 0 0	1st April 1891.	Not commenced.
35	C.E. No. 396, dated 5th April 1890.	Filling low ground and extending sidings, &c., at Cuddalore Old Town.	3,047 0 0	1,594 0 0	4,641 0 0	..	..	..	4th ,, ,,	In progress.
36	C.E. No. 425, dated 16th April 1890.	Tank-house and a well at Pallur ..	1,914 0 0	1,045 0 0	2,959 0 0	..	..	..	15th ,, ,,	Do.

* Necessitated by the Periyár project. The cost of the bridge, Rs. 14,761, has been included in the estimate for that work.

Schedule of Works sanctioned or in progress up to 31st May 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.		
37	C.E. No. 445, dated 25th April 1890.	A siding leading into the Madura Spinning Mills Company's premises at Madura.	..	..	..	79 0 0	713 0 0	792 0 0	24th Oct. 1890.	Not commenced.
38	C.E. No. 449, dated 26th April 1890.	Baling stage on well near Kadambur ..	148 0 0	1,294 0 0	1,442 0 0	..	..	..	25th April 1891.	Do.
39	C.E. No. 453, dated 28th April 1890.	Permanent-way Inspector's bungalow and offices at Villupuram.	3,383 0 0	1,119 0 0	4,502 0 0	..	..	..	27th ,, ,,	In progress.
40	C.E. No. 454, dated 28th April 1890.	Store-room and office for Permanent-way Inspector at Villupuram.	1,382 0 0	743 0 0	2,125 0 0	..	..	..	27th ,, ,,	Do.
41	C.E. No. 493, dated 10th May 1890.	Sinking a well 6-feet internal diameter for drinking purposes at Vencatachellam station on the Nellore Branch of Villupuram-Guntakal State Railway.	..	..	..	470 0 0	..	470 0 0	9th Feb. ,,	Not commenced.
42	G.O., No. 628 R., dated 10th May 1890.	Extra siding, cross-over road, additional platform, a covered way, alteration to the native latrine and additional masonry to the Locomotive well at Chingleput.	5,207 0 0	10,097 0 0	15,304 0 0	620 0 0	..	620 0 0	9th May ,,	Do.
43	G.O., No. 597 R., dated 30th April 1890.	Demolishing and rebuilding the bridge at A 57/10 miles, Arkónam Branch.	3,446 0 0	716 0 0	4,162 0 0	7,061 0 0	1,111 0 0	8,172 0 0	29th Oct. ,,	In progress.
		Total amount of sanctions granted up to date.	59,510 4 0	67,219 8 3	1,26,729 12 3	16,804 0 0	10,347 0 0	27,151 0 0		

	Rs.
Budget grant of the year for Capital works	2,14,006
Total sanctions against the budget grant	1,19,627
Balance available for future sanctions ..	94,379

MADRAS,
26th July 1890.

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

4TH AUGUST 1890, No. 1125 R., PUBLIC WORKS.

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

ORDER—dated 4th August 1890, No. 1125 R., Public Works.

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

(Here enter No. 1126 R., dated 4th August 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 August, 4th.

Recd. *Encl.*

G.O., 4th Aug. 1890, No. 1125 R.

AUGUST.

Estimates Sanctioned

Ordered that the schedule of — on the South Indian Railway up to 31st May, 1890, be forwarded to the Director-General of Railways.

19TH MAY 1890, No. 683 R., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper:—

From the Consulting Engineer for Railways, dated Madras, 13th May 1890, No. 341.

Schedule of estimates sanctioned on the South Indian Railway up to 31st March 1890.

[Statement

SOUTH INDIAN RAILWAY.

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. 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.
~~1~~	~~C.E. No. 226, dated 7th April 1886.~~	~~Providing more accommodation for Locomotive Department at Negapatam, not provided for in the sanctioned estimate for the extension of the workshops.~~	~~561 0 0~~	~~2,183 0 0~~	~~2,744 0 0~~	~~1,708 0 0~~	~~130 0 0~~	~~1,838 0 0~~	~~31st Mar. 1890.~~	~~Completed.~~
2	C.E. No. 636, dated 22nd September 1887.	A well 20 feet internal diameter and 30 feet deep at Tindivanam station.	1,240 0 0	391 0 0	1,631 0 0	..	..	..	31st ,, 1889.	Do.
~~3~~	~~C.E. No. 661, dated 3rd October 1887.~~	~~Sinking a well 20 feet internal diameter and 25 feet deep for locomotive purposes at Vikravándi station.~~	~~1,420 0 0~~	~~400 0 0~~	~~1,820 0 0~~	..	..	..	~~31st Dec. ,,~~	~~Do.~~
1 ~~4~~	G.O., No. 752 R., dated 13th September 1888.	Fourth-class station at Padalam in place of the existing temporary and trial stations.	4,206 0 0	3,210 0 0	7,416 0 0	..	..	..	31st Dec. 1890.	Not commenced.
2 ~~5~~	C.E. No. 168, dated 9th March 1888.	An extra telegraph instrument for each station on the line.	2,588 4 0	2,407 8 3	4,995 12 3	..	..	..	30th Nov. 1889.	~~In progress.~~ Completed.
~~6~~	~~C.E. No. 378, dated 11th June 1888.~~	~~A latrine for the use of the guards and drivers at Madura.~~	..	..	..	1,031 0 0	381 0 0	1,412 0 0	10th Dec. 1888.	~~Completed.~~
7	C.E. No. 521, dated 11th August 1888.	An addition to the existing latrine at the south end of Dindigul station platform.	..	..	..	661 0 0	11 0 0	672 0 0	30th Nov. 1889.	Do.
8	C.E. No. 532, dated 14th August 1888.	Latrine at Panruti station	..	..	..	200 0 0	13 0 0	213 0 0	31st Mar. ,,	Do.
9	C.E. No. 580, dated 3rd September 1888.	Two sheds, one at Vikravándi and the other at Tirumangalam station, for the custody of small permanent-way material.	..	..	..	2,140 0 0	1,058 0 0	3,198 0 0	31st Dec. ,,	Do.
10	C.E. No. 626, dated 13th September 1888.	Bungalow at Tiruvalúr for the Station-master.	..	..	..	947 0 0	606 0 0	1,553 0 0	12th Mar. ,,	Do.
~~11~~	~~C.E. No. 708, dated 12th October 1888.~~	~~Waiting shed at Ammápet .. ..~~	..	..	..	172 0 0	635 0 0	807 0 0	31st Dec. ,,	Do.
3 ~~12~~	C.E. No. 720, dated 19th October 1888.	Erecting a steel pale fence on the south side of the new General Stores Depôt at Trichinopoly junction (Erode branch).	..	..	..	521 0 0	911 0 0	1,432 0 0	31st Dec. 1890	In progress.
~~13~~	~~C.E. No. 732, dated 22nd October 1888.~~	~~A rough-stone pitching for the protection of the line from A 71/9½ to 71/12½ miles.~~	~~2,098 0 0~~	..	~~2,098 0 0~~	..	..	..	21st April ,,	Completed.
14	C.E. No. 733, dated 22nd October 1888.	A rough-stone pitching for the protection of the line at A 60/15 to 18 miles.	..	..	..	1,181 0 0	..	1,181 0 0	21st ,, ,,	Do.
~~15~~	~~C.E. No. 788, dated 2nd November 1888.~~	~~A latrine for the use of native passengers in the compound of the Trichinopoly Fort station.~~	..	..	..	515 0 0	23 0 0	538 0 0	1st May ,,	Do.
4 ~~16~~	C.E. No. 800, dated 6th November 1888.	Store-room and office for Permanent-way Inspector at Kumbakónam.	1,390 0 0	753 0 0	2,143 0 0	..	..	..	31st Dec. 1890.	In progress.
5 ~~17~~	C.E. No. 925, dated 13th December 1888.	Removing the existing broad gauge weigh-bridge and re-erecting a narrow gauge weigh-bridge at Negapatam.	..	..	..	344 0 0	1,724 0 0	2,068 0 0	~~12th ,, 1889.~~ 30th Nov 1890	Do.
6 ~~18~~	Do. do. ..	Removing the existing broad gauge weigh-bridge and re-erecting a narrow gauge weigh-bridge at Trichinopoly Fort.	..	..	..	314 0 0	1,724 0 0	2,038 0 0	~~12th ,,~~ 30th ,,	Do.
~~19~~	~~C.E. No. 927, dated 13th December 1888.~~	~~Erecting lamp and lamp-posts on the trans-shipping platforms at Arkónam and Erode stations.~~	~~52 0 0~~	~~289 0 0~~	~~341 0 0~~	..	..	..	~~12th Mar. ,,~~	~~Completed.~~
20	C.E. No. 960, dated 26th December 1888.	Demarcating the Company's boundary throughout the Tinnevelly district.	..	..	..	126 0 0	1,386 0 0	1,512 0 0	31st Dec. ,,	Do.
21	C.E. No. 25, dated 11th January 1889.	A Station-master's bungalow and latrine at Tuticorin.	..	..	..	1,113 0 0	494 0 0	1,607 0 0	10th Oct. ,,	Do.
22	C.E. No. 43, dated 16th January 1889.	Curtain walls, apron flooring and pitching to the 6-feet rail girder at ~~253-14~~ miles.	~~478 0 0~~	..	~~478 0 0~~	..	..	..	15th July ,,	Do.
23	G.O., No. 73 R., dated 22nd January 1889.	Trial station at Puliyur on the Erode branch.	..	..	..	299 0 0	1,210 0 0	1,509 0 0	31st Dec. 1890.	Do.
~~24~~	~~C.E. No. 116, dated 4th February 1889.~~	~~Erecting enclosures for clerks in the goods shed at Egmore station.~~	..	..	..	~~135 0 0~~	~~314 0 0~~	~~449 0 0~~	31st ,,	Do.
7 ~~25~~	C.E. No. 135, dated 9th February 1889.	Sinking a 15-feet well and constructing a cast-iron tank at Paliávaram.	1,512 0 0	1,999 0 0	3,511 0 0	..	..	..	31st Dec 1890	In progress.
~~26~~	~~C.E. No. 156, dated 15th February 1889.~~	~~Demolishing and rebuilding the cracked south abutment and wings of the 10-feet girder bridge at 117-16 miles.~~	..	..	..	~~1,225 0 0~~	~~397 0 0~~	~~1,622 0 0~~	~~8th Feb. ,,~~	~~In progress.~~
27	C.E. No. 171, dated 21st February 1889.	Erecting a shed 72 feet long and 24 feet wide at Trichinopoly junction.	..	..	..	168 13 0	174 3 0	343 0 0	14th ,, ,,	Completed.
28	C.E. No. 173, dated 21st February 1889.	Distant signal at the Mount Capper siding.	..	..	..	21 0 0	420 0 0	441 0 0	31st Dec. 1889.	Do.
~~29~~	~~C.E. No. 174, dated 21st February 1889.~~	~~Altering station-house at Panruti to provide an additional waiting-room.~~	..	..	..	~~1,016 0 0~~	~~407 0 0~~	~~1,423 0 0~~	20th Aug. ,,	Do.
8 ~~30~~	C.E. No. 175, dated 21st February 1889.	Adding a third-class waiting-shed to the existing ticket office and joining up the present lay-bye with through siding at Kuttalam station.	..	..	..	412 0 0	995 0 0	1,407 0 0	~~20th Feb. 1890.~~ 31st Aug. 1890	~~Work stopped.~~ In progress
~~31~~	~~C.E. No. 190, dated 26th February 1889.~~	~~A room and cook-house for native drivers and firemen at Madura.~~	..	..	..	~~542 0 0~~	~~113 0 0~~	~~655 0 0~~	~~25th Aug. 1889.~~	~~Completed.~~
32	C.E. No. 215, dated 2nd March 1889.	Fencing platforms at the Park, Broadway and Fort stations.	693 5 7	1,257 6 10	1,950 12 5	..	..	..	1st Sept. ,,	Do.
~~33~~	~~C.E. No. 223, dated 6th March 1889.~~	~~Removing the existing waiting-shed and rebuilding it with corrugated iron sheets upon rail pillars at Titte station.~~	..	..	..	378 0 0	653 0 0	1,031 0 0	4th Dec. ,,	Do.
9 ~~34~~	G.O., No. 283 R., dated 14th March 1889.	Bungalows and out-houses for Permanent-way Inspectors at Tanjore.	3,383 0 0	1,056 0 0	4,439 0 0	..	..	..	31st Dec ~~15th Mar.~~ 1890.	In progress.
10 ~~35~~	Do. do. ..	Bungalows and out-houses for Permanent-way Inspectors at Máyavaram.	3,383 0 0	1,056 0 0	4,439 0 0	..	..	..	~~15th ,,~~ 31st ,,	Do.
~~36~~	~~C.E. No. 261, dated 15th March 1889.~~	~~A length of pale fencing at the Tinnevelly station.~~	..	..	..	..	294 0 0	294 0 0	15th Sept. 1889.	~~Completed.~~
~~37~~	~~C.E. No. 286, dated 19th March 1889.~~	~~Raising to the extent of 2 feet the one 30-feet girder bridge at 149 miles 18 T.P.~~	..	..	..	1,600 0 0	..	1,600 0 0	18th Dec. ,,	Do.

Schedule of Works sanctioned or in progress up to 31st ~~March~~ May 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.		
~~38~~	~~C.E. No. 303, dated 29th March 1889.~~	~~Additional sleeping accommodation at Trichinopoly junction station.~~	..	..	..	~~1,030 0 0~~	~~537 0 0~~	~~1,567 0 0~~	~~28th Dec. 1889.~~	~~Completed.~~
~~39~~	~~C.E. No. 405, dated 8th May 1889.~~	~~Tank-house at Pallúr station~~	~~1,874 0 0~~	~~637 0 0~~	~~2,511 0 0~~	..	..	..	~~7th Nov. 1890.~~	~~In progress.~~
11 ~~40~~	Do. do. ..	Latrine at end of platform, Pallúr station.	..	..	..	300 0 0	182 0 0	482 0 0	7th ~~Nov~~ May 1890	~~Do.~~ In progress
~~41~~	~~C.E. No. 407, dated 8th May 1889.~~	~~Store-room and office for the Permanent-way Inspector residing at Máyaváram.~~	~~1,382 0 0~~	~~743 0 0~~	~~2,125 0 0~~	..	..	..	7th ,, ,,	~~Completed.~~
~~42~~	~~C.E. No. 408, dated 8th May 1889.~~	~~Large weighing-scales for Kálahasti and Venkatagiri stations.~~	..	..	..	42 0 0	374 0 0	416 0 0	7th Feb. ,,	Do.
12 ~~43~~	C.E. No. 435, dated 18th May 1889.	Putting up a wire fencing around ground acquired for the enlargement of the Engineering workshops at Trichinopoly.	..	..	..	66 0 0	107 0 0	173 0 0	~~31st Jan.~~ 31st Dec 1890 ,,	In progress.
~~44~~	~~C.E. No. 448, dated 23rd May 1889.~~	~~Extending verandah round Resident Engineer's office at Trichinopoly.~~	..	..	..	~~186 12 4~~	~~337 8 9~~	~~524 5 1~~	~~22nd June 1889.~~	~~Completed.~~
~~45~~	~~C.E. No. 481, dated 4th June 1889.~~	~~Rough-stone pitching to the embankment from 42/6½ to 42/7½ miles.~~	..	..	..	594 0 0	..	594 0 0	3rd Mar. 1890.	Do.
~~46~~	~~C.E. No. 507, dated 13th June 1889.~~	Demarcating the boundary of the railway main line from Nellore to Tirupati.	..	..	..	650 0 0	..	650 0 0	12th Sept. 1889.	Do.
~~47~~	~~C.E. No. 516, dated 14th June 1889.~~	Extending the weigh-bridge siding at the Rénigunta station on the Nellore branch, Villupuram-Guntakal State Railway.	..	..	..	22 0 0	170 0 0	192 0 0	13th Feb. 1890.	Do.
~~48~~	~~C.E. No. 521, dated 15th June 1889.~~	Altering the lay-bye at the Yerpedu station on the Nellore branch.	..	..	..	58 0 0	73 0 0	131 0 0	14th Mar. ,,	Do.
~~49~~	~~C.E. No. 540, dated 21st June 1889.~~	A well at Tanjore	..	..	..	274 0 0	17 0 0	291 0 0	20th Dec. 1889.	Do.
~~50~~	~~C.E. No. 560, dated 27th June 1889.~~	A 9-feet gateway at the 11/8 miles ..	..	..	..	79 0 0	149 0 0	228 0 0	26th ,, ,,	Do.
~~51~~	~~C.E. No. 572, dated 1st July 1889.~~	A three 4-feet rail-covered culvert at 11 miles 181 T.P.	..	..	..	1,082 0 0	214 0 0	1,296 0 0	31st Oct. 1890.	Do.
~~52~~	~~C.E. No. 592, dated 6th July 1889.~~	Demolishing and rebuilding the 15-feet girder bridge at A-57 miles 10 T.P.	..	..	..	7,005 0 0	498 0 0	7,503 0 0	5th Mar. 1891.	In progress.
~~53~~	~~C.E. No. 594, dated 6th July 1889.~~	A 3-feet culvert over the side drain to give access to the staff quarters at Egmore from the Poonamallee road.	..	..	..	211 0 0	108 0 0	319 0 0	5th Jan. 1890.	Completed.
13 ~~54~~	C.E. No. 697, dated 10th July 1889.	Permanent-way Inspector's bungalow with out-houses at Kumbakónam.	3,383 0 0	1,056 0 0	4,439 0 0	..	..	..	9th ~~June~~ July 1891.	In progress.
14 ~~55~~	G.O. No. 763 R., dated 10th July 1889.	An additional siding and Permanent-way Inspector's bungalow at the Egmore station.	5,346 0 0	3,881 0 0	9,227 0 0	..	..	..	12th July ,,	~~Do.~~ Completed
15 ~~56~~	C.E. No. 628, dated 16th July 1889.	Sinking a well 6 feet internal diameter at Perambair.	..	..	..	272 0 0	25 0 0	297 0 0	31st July ~~30th Mar.~~ 1890.	~~Do.~~ do
~~57~~	~~C.E. No. 664, dated 20th July 1889.~~	~~Extra siding accommodation at Nellikuppam.~~	~~932 0 0~~	~~2,973 0 0~~	~~3,905 0 0~~	~~662 0 0~~	~~38 0 0~~	~~700 0 0~~	~~28th Jan. 1891.~~	~~Completed.~~
~~58~~	~~C.E. No. 674, dated 1st August 1889.~~	~~A small lay-bye and furniture required at Puliyur.~~	..	..	..	~~145 0 0~~	~~1,609 0 0~~	~~1,754 0 0~~	~~31st July 1890.~~	~~Do.~~
16 ~~59~~	C.E. No. 680, dated 3rd August 1889.	Permanent-way Inspector's bungalow and out-houses at the Negapatám station.	3,928 0 0	1,064 0 0	4,992 0 0	..	..	..	2nd Feb. 1891.	In progress.
17 ~~60~~	C.E. No. 682, dated 3rd August 1889.	Laying pipes and fixing a hydrant at the Egmore station.	..	..	..	662 0 0	74 0 0	736 0 0	31st July ~~2nd Feb.~~ 1890 ,,	~~Do.~~ Completed
~~61~~	~~C.E. No. 684, dated 3rd August 1889.~~	~~Laying pipes and fixing a hydrant at the Park station.~~	..	..	..	~~429 0 0~~	~~74 0 0~~	~~503 0 0~~	2nd ,, ,,	Completed.
~~62~~	~~C.E. No. 739, dated 19th August 1889.~~	Altering the gradient between 32 miles 19 chains and 32 miles 40 chains.	..	..	..	~~812 0 0~~	..	~~812 0 0~~	18th ,, ,,	Do.
18 ~~63~~	C.E. No. 740, dated 19th August 1889.	Flooring and apron to 6-feet culvert at 295 miles 13 T.P.	385 0 0	..	385 0 0	..	..	..	~~18th~~ 30th June 1890 ,,	~~In progress.~~ do
~~64~~	~~C.E. No. 758, dated 23rd August 1889~~	~~Providing a lay-bye at the Padalam station.~~	..	..	..	~~149 0 0~~	~~332 0 0~~	~~481 0 0~~	22nd Sept. 1889.	Completed.
19 ~~65~~	C.E. No. 843, dated 17th September 1889.	One 12-feet girder bridge at 130 miles 62 chains.	2,921 0 0	546 0 0	3,467 0 0	..	..	..	16th March 1891.	~~In progress.~~ do
~~66~~	~~C.E. No. 846, dated 17th September 1889.~~	~~Lengthening the through siding at Elamanúr station.~~	..	..	..	~~396 0 0~~	~~661 0 0~~	~~1,057 0 0~~	16th ,, ,,	Completed.
~~67~~	~~C.E. No. 860, dated 21st September 1889.~~	~~A permanent ballast siding at 35/13 miles.~~	..	..	..	~~790 0 0~~	~~4,060 0 0~~	~~4,850 0 0~~	20th June ,,	Do.
20 ~~68~~	C.E. No. 867, dated 23rd September 1889.	Providing guttering to the covered way over the passenger platform of the Egmore station.	1,351 0 0	2,110 0 0	3,461 0 0	..	..	..	22nd Sept. 1890	Not commenced.
~~69~~	~~C.E. No. 893, dated 5th October 1889.~~	~~Distant semaphore signal and subsidiary signals at Negapatam station.~~	..	..	..	~~79 0 0~~	~~509 0 0~~	~~588 0 0~~	4th July ,,	~~Completed.~~
21 ~~70~~	G.O. No. 1112 R., dated 17th October 1889.	Extending the covered way over passenger platform at Trichinopoly junction.	2,359 0 0	15,740 0 0	18,099 0 0	1,885 0 0	1,082 0 0	2,967 0 0	18th April 1891.	Not commenced.
~~71~~	~~C.E. No. 972, dated 29th October 1889.~~	~~Extending the wharf siding at Cuddalore Old Town to Messrs. Parry and Co.'s premises.~~	~~185 0 0~~	~~2,523 0 0~~	~~2,708 0 0~~	~~13 0 0~~	..	~~13 0 0~~	28th Oct. 1890.	Completed.
22 ~~72~~	C.E. No. 998, dated 5th November 1889.	Store-room and office for Permanent-way Inspector at Egmore.	1,397 0 0	745 0 0	2,142 0 0	..	..	..	4th Nov. 1890	In progress.
23 ~~73~~	~~C.E. No. 1060, dated 12th~~ November 1889.	* A bridge of 3-25 feet openings at mileage 327/12½.	Funds provided by Government in the estimate for Periyár project.					..	20th May 1891.	Do.
~~74~~	~~C.E. No. 1061, dated 22nd November 1889.~~	~~Furniture for the additional sleeping-room at the Trichinopoly junction.~~	..	..	..	..	~~323 0 0~~	~~323 0 0~~	~~21st Aug. 1890.~~	~~Completed.~~
~~75~~	~~C.E. No. 1086, dated 27th November 1889.~~	~~Level crossing with a chain barrier at 81/10-11 miles on the Nellore branch of the Villupuram-Guntakal State Railway.~~	..	..	..	~~86 0 0~~	~~16 0 0~~	~~102 0 0~~	26th May ,,	In progress.
~~76~~	~~C.E. No. 16, dated 9th January 1890.~~	~~A stone toe to groyne on the south-east side of the Moolapadi bridge at 302/6 miles.~~	~~381 0 0~~	..	~~381 0 0~~	..	..	..	~~8th Oct.~~ ,,	~~Completed.~~
24 ~~77~~	C.E. No. 17, dated 9th January 1890.	New weigh-bridge house at Negapatám.	..	..	..	336 0 0	71 0 0	407 0 0	8th April 1890	In progress.
~~78~~	~~C.E. No. 20, dated 10th January 1890.~~	~~A ballast siding into the bed of the Pálár river.~~	..	..	..	..	~~3,073 0 0~~	~~3,073 0 0~~	9th April ,,	Completed.

Chief Engr Periyar Project

20-L. 20172-B.

* Necessitated by the Periyár project. The cost of the bridge, Rs. 14,761, has been included in the estimate for that work.

Schedule of Works sanctioned or in progress up to 31st ~~March~~ May 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.		
~~70~~	~~C.E. No. 22, dated 10th January 1890.~~	~~A loop line to the south arm of the Madras Harbour~~	..	..	..	..	..	..		
25 ~~80~~	C.E. No. 113, dated 29th January 1890.	A rolling-stock repairing shed and providing permanent-way points and crossings at Egmore.	756 0 0	4,229 0 0	4,985 0 0	..	1,926 5 2	1,926 5 2	9th Jan. 1891.	Completed.
26 ~~81~~	C.E. No. 185, dated 14th February 1890.	Through siding at Puliyur	536 0 0	3,329 0 0	3,865 0 0	..	..	..	28th January 1891	~~Not commenced.~~ In progress
27 ~~82~~	C.E. No. 281, dated 6th March 1890.	A new weigh-bridge house at Trichinopoly Fort.	..	..	..	28 0 0	..	28 0 0	13th Nov. 1890.	~~Do.~~ Completed
28 ~~83~~	C.E. No. 299, dated 10th March 1890.	Laying pipes in lieu of existing well and fixing a hydrant at the Chetpat station.	..	..	..	380 0 0	71 0 0	451 0 0	5th Dec. ,,	~~Do.~~ In progress
29 ~~84~~	C.E. No. 302, dated 11th March 1890.	Re-arranging and fitting up the south toolshop at Negapatam.	..	..	..	226 0 0	74 0 0	300 0 0	~~31 Dec.~~ ~~9th June~~ ,,	~~In progress.~~ do
30 ~~85~~	C.E. No. 324, dated 15th March 1890.	Portable lamp-room at Egmore ..	..	..	..	1,300 0 0	..	1,300 0 0	10th Sept. ,,	~~Do.~~ do
31 ~~86~~	G.O., No. 385 R., dated 18th March 1890.	Extending the siding accommodation at Panruti.	2,097 0 0	5,528 0 0	7,625 0 0	56 0 0	906 0 0	962 0 0	14th Mar. 1891.	Not commenced.
32 ~~87~~	C.E. No. 348, dated 24th March 1890.	Huts for telegraph linemen at Chingleput, Villupuram, and Cuddalore Old Town.	..	..	..	72 0 0	..	72 0 0	18th Dec. 1890.	Do.
			..	..	..	963 0 0	552 0 0	1,515 0 0	23rd ,, ,,	~~Do.~~ In progress
33	C.E. No. 389 of 2nd April 1890.	A platform for hand traffic at Tuticorin	"	"	"	163—0—0	25—0—0	188—0—0	1st May—	Completed.
34.	C.E. No. 391 of 2nd April 1890.	Altering the siding accommodation at Cuddalore old Town	62—0—0	1902—0—0	1964—0—0	274—0—0	"	274—0—0	1st April 1891	Not commenced.
35.	C.E. No. 396 of 5th April 1890.	Filling, levelling and extending sidings &c., at Cuddalore P. T.	3047—0—0	1594—0—0	4641—0—0	"	"	"	4th—	In Progress
36.	C.E. No. 425 of [illegible] April 1890.	Tank-house and well at Pallavaram	2717—0—0	[illegible]	4707—0—0	"	"	"	15th—	do
37.	C.E. No. 445 of 25th April 1890.	A siding leading into the Madura Spinning & Weaving Co.'s premises at Madura.	"	"	"	79—0—0	713—0—0	792—0—0	24th April 1890	Not Commenced.
38.	C.E. No. 449 of 25th April 1890.	Baling stage on well near Kadambur	148—0—0	1294—0—0	1442—0—0	"	"	"	25th April 1891	do
39.	C.E. No. 453 of 26th April 1890.	Permanent way Inspector's bungalow	3383—0—0	1119—0—0	4502—0—0	"	"	"	27th—	In Progress

Schedule of Works sanctioned or in progress up to 31st ~~March~~ May 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.		
~~79~~	~~C.E. No. 22, dated 10th January 1890.~~	~~A loop line to the south arm of the Madras Harbour.~~	..	..	..	..	1,926 5 2	1,926 5 2	9th Jan. 1891.	~~Completed.~~
25 ~~80~~	C.E. No. 113, dated 29th January 1890.	A rolling-stock repairing shed and providing permanent-way points and crossings at Egmore.	756 0 0	4,229 0 0	4,985 0 0	..	..	..	28th ~~January~~ May 1891	~~Not commenced.~~ In progress
26 ~~81~~	C.E. No. 135, dated 14th February 1890.	Through siding at Puliyur	536 0 0	3,329 0 0	3,865 0 0	28 0 0	..	28 0 0	13th Nov. 1890.	~~Do.~~ Completed
27 ~~82~~	C.E. No. 281, dated 6th March 1890.	A new weigh-bridge house at Trichinopoly Fort.	..	..	..	380 0 0	71 0 0	451 0 0	5th Dec. ,,	~~Do.~~ In progress
28 ~~83~~	C.E. No. 299, dated 10th March 1890.	Laying pipes in lieu of existing well and fixing a hydrant at the Chetpat station.	..	..	..	226 0 0	74 0 0	300 0 0	~~9th June~~ 31 Dec. ,,	~~In progress.~~ do
29 ~~84~~	C.E. No. 302, dated 11th March 1890.	Re-arranging and fitting up the south toolshop at Negapatam.	..	..	..	1,300 0 0	..	1,300 0 0	10th Sept. ,,	~~Do.~~ do
30 ~~85~~	C.E. No. 324, dated 15th March 1890.	Portable lamp-room at Egmore ..	..	..	..	56 0 0	906 0 0	962 0 0	14th Mar. 1891.	Not commenced.
31 ~~86~~	G.O., No. 385 R., dated 18th March 1890.	Extending the siding accommodation at Panruti.	2,097 0 0	5,528 0 0	7,625 0 0	72 0 0	..	72 0 0	18th Dec. 1890.	Do.
32 ~~87~~	C.E. No. 348, dated 24th March 1890.	Huts for telegraph linemen at Chingleput, Villupuram, and Cuddalore Old Town.	..	..	..	963 0 0	552 0 0	1,515 0 0	23rd ,, ,,	~~Do.~~ In progress
		Total amount of sanctions								
33	C.E. No. 389 of 2nd April 1890.	A platform for horse traffic at Tuticorin	"	"	"	163—0—0	25—0—0	188—0—0	1st May—	Completed.
34.	C.E. No. 391 of 2nd April 1890.	Altering the siding accommodation at Cuddalore Old Town	62—0—0	1902—0—0	1964—0—0	274—0—0	"	274—0—0	1st April 1891	Not commenced.
35.	C.E. No. 396 of 5th April 1890.	Filling low ground and extending sidings &c. at Cuddalore P. S.	3047—0—0	1594—0—0	4641—0—0	"	"	"	4th—0—0	In Progress
36.	C.E. No. 425 of [illegible] April 1890.	Tank house and a well at Pallur	5714—0—0	[illegible]	2959—0—0	"	"	"	15th—0—0	do
37.	C.E. No. 445 of 25th April 1890.	A siding leading into the Madura Spinning & Weaving Co.'s premises at Madura	"	"	"	79—0—0	713—0—0	792—0—0	24th October 1890	Not commenced.
38.	C.E. No. 449 of 25th April 1890.	Baling stage and well near Kadampur	148—0—0	1294—0—0	1442—0—0	"	"	"	25th April 1891	do
39.	C.E. No. 453 of 28th April 1890.	Permanent way Inspector's bungalow and offices at Villupuram	3383—0—0	1119—0—0	4502—0—0	"	"	"	27th—0—0	In Progress
40.	C.E. No. 454 of 28th April 1890.	Store rooms and office for permanent way Inspector at Villupuram	1352—0—0	743—0—0	2125—0—0	"	"	"	27th—0—0	do
41.	C.E. No. 493 of 10th May 1890.	Sinking a well 6 ft. internal diameter for drinking purposes at Vuyalacheri station on the Cellore Branch of Villupuram Gudalur State Railway	"	"	"	470—0—0	"	470—0—0	9th Feby. "	Not commenced.
42.	G.O. No. 628 R of 10th May 1890.	Extra siding, crossover road, additional platform, a covered way, alterations to the native latrines and additional masonry to the Locomotive	5707—0—0	10097—0—0	15304—0—0	620—0—0	"	620—0—0	9th May—	do

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

ORDER—dated 19th May 1890, No. 683 R., Public Works.

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

(Here enter No. 684 R., dated 19th 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. G. A. Lewis.
Spare Copies

RAILWAY.

Govt. of {1890} Madras.

PUBLIC WORKS.

Pto Pucl
7089/90

Dated May, 19*th*.

Recd. *Encl.*

G.O., 19th May 1890, No. 683 R.

MAY.

Estimates sanctioned, South Indian Railway

Ordered that the schedule of — up to 31st March 1890, be forwarded to the Director-General of Railways.

FORM No. 1.

PUBLIC WORKS DEPARTMENT.

OFFICE OF CONSULTING ENGINEER FOR RAILWAYS,
Madras. 26th July 1890.

Print

Schedule of Estimates sanctioned on the South Indian Railway upto 31st May 1890.

No. 519

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

Print

Sd/ Smith
Major R.E.
for offg: Cons: Engr: for Railways.

Subject.—

G.O. No. 683R 7/19-5-90

Form No. 3.

From Ge. to J. H. Gordon C.E.I.

A No. 1125R 2/4th Augt/90.

H.E. 3/8/90
Ordered to be
forwarded to the Director
General of Railways.

H.E. No 1126 R dy 4th Augt 1890

Forwarded.

Jm
for Sy: R
30/7/90

Received
2/8/90

To
The Consy Engr for Rys
— Exr Gl Rly Branches

D 6-8-90

0/29/7

Adm. 30/7 R 4-8-90

From

THE CONSULTING ENGINEER
FOR RAILWAYS,
MADRAS,

P.W.C. No. 7089

No. 519

Dated 26th } July 1890
Received 28. }

No. of Enclosures. One

Subject.

Submitting for transmission to the Director General of Railways the Schedule of Estimates sanctioned on the South Indian Railway upto 31st May 1890.

A
No. 1125-26 R dy 4th Augt/90.

0/29/7

7080.

Govt. of 18 Madras.

PUBLIC WORKS.

Dated 1st August 1890

Recd. Encl.

G.O., 4th August 1890 No. 1125. 6R.

Estimates Sanctioned

Ordered that the schedule of — on the S. I. Ry upto 31st May 1890. be forwarded to the Director General of Railways

Estimates Sanctioned

Vide the schedule of — on the S. I. Ry upto 31st May 1890.

60/3 50/2

12