

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From the Consulting Engineer for Railways, dated Madras, 17th January 1890,
No. 41.

Schedule of Estimates sanctioned on the South Indian Railway up to 30th November 1889.

[Statement.]

SOUTH INDIAN RAILWAY.

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

Register No.	Authority and date.	Description of work.	CAPITAL.				REVENUE.				Date of lapse of sanction.	REMARKS. It should be stated in this column whether in progress or completed.
			Cash.	Stores.	Total.	Cash.	Stores.	Total.	Cash.	Stores.		
1	C.E. No. 225, dated 7th April 1886.	Providing more accommodation for Locomotive Department at Negapatnam, not provided for in the sanctioned estimate for the extension of the workshops.	Rs. A. P. 561 0 0	Rs. A. P. 2,183 0 0	Rs. A. P. 2,744 0 0	Rs. A. P. 1,708 0 0	Rs. A. P. 130 0 0	Rs. A. P. 1,838 0 0			31st Dec. 1889.	In progress.
2	O.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 Mar.	Completed.
3	C.E. No. 691, dated 3rd October 1887.	Sinking a well 20 feet internal diameter and 25 feet deep for locomotive purposes at Vikravandi station.	1,420 0 0	400 0 0	1,820 0 0						31st Dec.	Do.
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 "	Not commenced.
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.	In progress.
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. 524, 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 Sept. 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 Vikravandi 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.	In progress.
10	C.E. No. 625, dated 13th September 1888.	Bungalow at Tiruvallur for the station-master.				947 0 0	606 0 0	1,553 0 0			12th Mar.	Completed.
11	C.E. No. 708, dated 12th October 1888.	Waiting shed at Annápet.				172 0 0	635 0 0	807 0 0			31st Dec.	Do.
12	C.E. No. 720, dated 19th October 1888.	Erecting a steel pale fence on the south side of the new General Stores Depot at Trichinopoly junction (Erode branch).				521 0 0	911 0 0	1,432 0 0			31st "	Not commenced.
13	C.E. No. 732, dated 22nd October 1888.	A roughstone 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 roughstone pitching for the protection of the line at A 69/15 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 Port station.				515 0 0	23 0 0	538 0 0			1st May	Do.

16	C.E. No. 800, dated 6th November 1888.	Store-room and office for Permanent-way Inspector at Kumbakonam.	1,390 0 0	763 0 0	2,143 0 0						5th Nov.	In progress.
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 Negapatnam.				344 0 0	1,724 0 0	2,068 0 0			12th Dec.	Do.
18	C.E. No. 925, dated 13th December 1888.	Removing the existing broad gauge weigh-bridge and re-erecting a narrow gauge weigh-bridge at Trichinopoly Port.				314 0 0	1,724 0 0	2,038 0 0			12th "	Do.
19	C.E. No. 927, dated 13th December 1888.	Erecting lamp and lamp-posts on the travelling platforms at Arkonam 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 Tinnevely district.				126 0 0	1,386 0 0	1,512 0 0			31st Dec.	In progress.
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.	Completed.
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 Puliur on the Erode branch.				299 0 0	1,210 0 0	1,509 0 0			3rd Aug.	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			30th Sept.	Do.
25	C.E. No. 135, dated 9th February 1889.	Sinking a 15-feet well and constructing a cast-iron tank at Pallavaram.									8th Feb. 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			14th "	Do.
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			31st Dec. 1889.	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			20th Aug.	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 Nov.	In progress.
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-by with through siding at Kuttalam station.				412 0 0	995 0 0	1,407 0 0			20th "	Work stopped.
31	C.E. No. 199, 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.	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 5th 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.
34	G.O., No. 283 R., dated 14th March 1889.	Bungalows and out-houses for Permanent-way Inspectors of Tanjore.	3,383 0 0	1,056 0 0	4,439 0 0						15th Mar. 1890.	In progress.
35	Do.	Bungalows and out-houses for Permanent-way Inspectors at Mayavaram.	3,383 0 0	1,056 0 0	4,439 0 0						15th "	Do.
36	C.E. No. 261, dated 16th March 1889.	A length of pale fencing at the Tinnevely station.									15th Sept. 1889.	Completed.
37	C.E. No. 266, dated 19th March 1889.	Raising to the extent of 2 feet the one 30-feet girder bridge at 140 miles 18 T.P.				1,600 0 0		1,600 0 0			18th Dec.	Do.

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

Register No.	Authority and date.	Description of work.	ESTIMATE.						REMARKS. It should be stated in this column whether in progress or completed.
			CAPITAL.			REVENUE.			Date of lapse of sanction.
			Cash.	Stores.	Total.	Cash.	Stores.	Total.	
38	C.E. No. 303, dated 26th March 1889.	Additional sleeping accommodation at Trichinopoly junction station.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	28th Dec. 1889.
39	C.E. No. 405, dated 8th May 1889.	Tank house at Pallur station.	1,874 0 0	637 0 0	2,511 0 0	1,030 0 0	537 0 0	1,567 0 0	7th Nov. 1890.
40	Do.	Latrine at end of platform, Pallur station.	1,382 0 0	743 0 0	2,125 0 0	300 0 0	182 0 0	482 0 0	7th "
41	C.E. No. 407, dated 8th May 1889.	Store-room and office for the Permanent-way Inspector residing at Mayavaram.	..	..	..	..	..	..	7th "
42	C.E. No. 408, dated 8th May 1889.	Large weighing-scales for Kāhasti and Venkatagiri stations.	..	..	..	42 0 0	374 0 0	416 0 0	7th Feb. "
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	17th Nov. 1889.
44	C.E. No. 443, dated 23rd May 1889.	Extending verandah round Resident Engineer's office at Trichinopoly.	..	..	..	186 12 4	337 8 9	524 5 1	22nd June "
45	C.E. No. 481, dated 4th June 1889.	Roughstone pitching to the embankment from 42/64 to 42/7 1/2 miles.	..	..	..	594 0 0	..	594 0 0	3rd Mar. 1890.
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.
47	C.E. No. 516, dated 14th June 1889.	Extending the weigh-bridge siding at the Rengunta station on the Nellore branch.	..	..	..	22 0 0	170 0 0	192 0 0	13th Feb. 1890.
48	C.E. No. 521, dated 15th June 1889.	Villupuram-Dharmavaram Railway.	..	..	..	58 0 0	73 0 0	131 0 0	14th Mar. "
49	C.E. No. 540, dated 21st June 1889.	Altering the lay-by at the Yerpodu station on the Nellore branch.	..	..	..	274 0 0	17 0 0	291 0 0	20th Dec. "
50	C.E. No. 560, dated 27th June 1889.	A well at Tanjore.	..	..	..	79 0 0	149 0 0	228 0 0	26th " 1889.
51	C.E. No. 572, dated 1st July 1889.	A 9-foot gateway at the 11/8 miles.	..	..	..	1,082 0 0	214 0 0	1,296 0 0	31st Oct. 1890.
52	C.E. No. 592, dated 6th July 1889.	A three 4-foot rail covered culvert at 11 miles 18 1/2 T.P.	..	..	..	7,005 0 0	498 0 0	7,503 0 0	5th Mar. 1891.
53	C.E. No. 594, dated 6th July 1889.	Demolishing and re-building the 15-foot girder bridge at A-57 miles 10 T.P.	..	..	..	211 0 0	108 0 0	319 0 0	5th Jan. 1890.
54	C.E. No. 607, dated 16th July 1889.	A 3-foot culvert over the side drain to give access to the staff quarters at Egmore from the Poonamallee road.	3,383 0 0	1,056 0 0	4,439 0 0	..	..	..	9th " 1891.
55	G.O. No. 763 R., dated 10th July 1889.	Permanent-way Inspector's bungalow with out-houses at Kumbakonam.	5,346 0 0	3,881 0 0	9,227 0 0	..	..	..	12th July "
		An additional siding and Permanent-way Inspector's bungalow at the Egmore station.	..	..	..	..	..	..	Do.

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	0 0 15th Jan. 1890.	Do.
57	C.E. No. 664, dated 29th 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	0 0 28th " 1891.	Do.
58	C.E. No. 674, dated 1st August 1889.	A small lay-by and furniture required at Puliur.	..	..	..	145 0 0	1,609 0 0	1,754 0 0	0 0 31st July 1890.	Completed.
59	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	..	..	..	0 0 2nd Feb. 1891.	Not commenced.
60	C.E. No. 681, dated 3rd August 1889.	Laying pipes in lieu of existing well and fixing a hydrant at the Chetput station.	..	..	..	112 0 0	74 0 0	186 0 0	0 0 2nd Nov. 1889.	In progress.
61	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	0 0 2nd Feb. 1890.	Do.
62	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	0 0 2nd "	Do.
63	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	0 0 18th "	Not commenced.
64	C.E. No. 740, dated 19th August 1889.	Flooring and apron to 6-foot culvert at 29 1/2 miles 13 T.P.	385 0 0	..	385 0 0	..	..	..	0 0 18th "	Do.
65	C.E. No. 758, dated 23rd August 1889.	Providing a lay-by at the Padalam station.	..	..	..	149 0 0	332 0 0	481 0 0	0 0 22nd Sept. 1889.	Completed.
66	C.E. No. 843, dated 17th September 1889.	One 12-foot girder bridge at 130 miles 62 chains.	2,921 0 0	546 0 0	3,467 0 0	..	..	..	0 0 16th March 1890.	Not commenced.
67	C.E. No. 846, dated 17th September 1889.	Lengthening the through siding at Elamandir station.	..	..	..	396 0 0	661 0 0	1,057 0 0	0 0 16th "	Completed.
68	C.E. No. 860, dated 21st September 1889.	A permanent ballast siding at 85/13 miles.	..	..	..	790 0 0	4,060 0 0	4,850 0 0	0 0 20th June "	In progress.
69	C.E. No. 867, dated 23rd September 1889.	Providing gutters to the covered way over the passenger platform of the Egmore station.	1,351 0 0	2,110 0 0	3,461 0 0	..	..	..	0 0 22nd Sept. "	Not commenced.
70	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	0 0 4th July "	In progress.
71	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	0 0 18th April 1891.	Not commenced.
72	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	0 0 28th Oct. 1890.	Do.
73	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	..	..	..	0 0 4th Nov. "	In progress.
74	C.E. No. 1060, dated 21st November 1889.	* A bridge of 3 25 feet openings at mileage 327/12 1/2.	Funds provided by Government in the estimate for Periyar project.			..	..	..	0 0 20th May 1891.	Not commenced.
75	C.E. No. 1064, dated 22nd November 1889.	Furniture for the additional sleeping-room at the Trichinopoly junction.	..	..	..	..	323 0 0	323 0 0	0 0 21st Aug. 1890.	In progress.
76	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 Railway.	..	..	..	86 0 0	16 0 0	102 0 0	0 0 26th May "	Not commenced.
Total amount of sanctions granted up to date.			48,447 9 7	47,019 15 1	95,467 8 8	34,861 9	425,716 11	9 60,578 5 1		

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

Rs.
Budget grant of the year for Capital works 2,62,269
Total sanctions against the budget grant 1,89,635

Balance available for future sanctions .. 72,734

(Signed) SIDNEY SMITH, Major, R.E.,
for Consulting Engineer for Railways.MADRAS,
1st January 1890.

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

ORDER—dated 24th January 1890, No. 128 R., Public Works.

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

(Here enter No. 129 R., dated 24th January 1890.)

(True Extract.)

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

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

ENDORSEMENT—dated 24th January 1890, No. 129 R., Public Works.

Forwarded.

(By Order.)

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

Exd. J. Moses.
Spare Copies

RAILWAY.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 24th.

Recd.

Encl.

G.O., 24th Jan. 1890, Nos. 128 R.,
129 R.

JANUARY.

Schedule of estimates

Forwarding the — sanctioned on the
South Indian Railway up to 30th November
1889.

14TH DECEMBER 1889, No. 1399 R., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper:—

From the Consulting Engineer for Railways, dated Madras, 9th December 1889,
No. 504.

Schedule of Estimates sanctioned on the South Indian Railway up to 31st October 1889.

[Statement.]

SOUTH INDIAN RAILWAY.

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

Register No.	Authority and date.	Description of work.	ESTIMATE.						REMARKS.	
			CAPITAL.			REVENUE.				
			Cash.	Stores.	Total.	Cash.	Stores.	Total.		
1	C.E. No. 226, dated 7th April 1886.	Providing more accommodation for Locomotive Department at Negapatnam, not provided for in the sanctioned estimate for the extension of the workshops.	RS. A. P. 561 0 0	RS. A. P. 2,183 0 0	RS. A. P. 2,744 0 0	RS. A. P. 1,708 0 0	RS. A. P. 130 0 0	RS. A. P. 1,838 0 0	Date of lapse of sanction. 31st Dec. 1889.	In progress.
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 Mar. "	Completed.
3	C.E. No. 661, dated 3rd October 1887.	Sinking a well 20 feet internal diameter and 25 feet deep for locomotive purposes at Vikravāndi station.	1,420 0 0	400 0 0	1,820 0 0	..	..	..	31st Dec. "	Do.
4	G.O. No. 752 R., dated 13th September 1888.	Fourth-class station at Padalam in place of the existing temporary and trial stations.	4,205 0 0	3,210 0 0	7,416 0 0	..	..	..	31st "	Not commenced.
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. "	In progress.
6	C.E. No. 378, dated 11th June 1888.	A latrine for the use of the guards and drivers at Madurai.	..	..	..	1,031 0 0	381 0 0	1,412 0 0	10th Dec. 1888.	Completed.
7	C.E. No. 524, 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 Sept. 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 Vikravāndi 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. "	In progress.
10	C.E. No. 626, dated 13th September 1888.	Bungalow at Tiruvālar for the station-master.	..	..	..	947 0 0	606 0 0	1,553 0 0	12th Mar. "	Completed.
11	C.E. No. 708, dated 12th October 1888.	Waiting shed at Annápet	..	..	..	172 0 0	635 0 0	807 0 0	31st Dec. "	Do.
12	C.E. No. 720, dated 19th October 1888.	Erecting a steel pale fence on the south side of the new General Stores Depot at Trichinopoly junction (Erode branch).	..	..	..	521 0 0	911 0 0	1,432 0 0	31st "	Not commenced.
13	C.E. No. 732, dated 22nd October 1888.	A roughstone 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 roughstone 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.

16	C.E. No. 800, dated 6th November 1888.	Store-room and office for Permanent-way Inspector at Kumbakonam.	1,390 0 0	753 0 0	2,143 0 0	..	..	..	In progress.	5th Nov. "	In progress.
17	C.E. No. 925, dated 13th December 1888.	Removing the existing broad gauge weighing-bridge and re-erecting a narrow gauge weighing-bridge at Negapatnam.	..	..	..	344 0 0	1,724 0 0	2,068 0 0	Not required.	12th Dec. "	Not required.
18	C.E. No. 925, dated 13th December 1888.	Removing the existing broad gauge weighing-bridge and re-erecting a narrow gauge weighing-bridge at Trichinopoly Fort.	..	..	..	314 0 0	1,724 0 0	2,038 0 0	Do.	12th "	Do.
19	C.E. No. 927, dated 13th December 1888.	Erecting lamp and lamp-posts on the train-shipping platforms at Arkonam and Erode stations.	52 0 0	289 0 0	341 0 0	..	..	..	Completed.	12th Mar. "	Completed.
20	C.E. No. 960, dated 26th December 1888.	Demarcating the Company's boundary throughout the Tinnevely district.	..	..	..	126 0 0	1,386 0 0	1,512 0 0	In progress.	31st Dec. "	In progress.
21	C.E. No. 25, dated 11th January 1889.	A station-master's bungalow and latrine at Tutuorin.	..	..	..	1,113 0 0	494 0 0	1,607 0 0	Completed.	10th Oct. "	Completed.
22	C.E. No. 43, dated 16th January 1889.	Curtain walls, apron flooring and pitching to the 6-foot rail girder at 253-14 miles.	478 0 0	..	478 0 0	..	..	..	Do.	15th July "	Do.
23	G.O., No. 73 R., dated 22nd January 1889.	Trial station at Puliur on the Erode branch.	..	..	..	299 0 0	1,210 0 0	1,509 0 0	Do.	3rd Aug. "	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	In progress.	30th Sept. "	In progress.
25	C.E. No. 135, dated 9th February 1889.	Sinking a 15-foot well and constructing a cast-iron tank at Pallavaram.	1,512 0 0	1,999 0 0	3,511 0 0	..	..	..	Do.	8th Feb. 1890.	Do.
26	C.E. No. 156, dated 15th February 1889.	Demolishing and rebuilding the cracked south abutment and wings of the 10-foot girder bridge at 117-16 miles.	..	..	..	1,295 0 0	397 0 0	1,692 0 0	Do.	14th "	Do.
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	Completed.	31st Dec. 1889.	Completed.
28	C.E. No. 174, dated 21st February 1889.	Disputing signal at the Mount Copper siding.	..	..	..	21 0 0	420 0 0	441 0 0	Completed.	20th Aug. "	Completed.
29	C.E. No. 174, dated 21st February 1889.	Altering station-house at Panuti to provide an additional waiting-room.	..	..	..	1,016 0 0	407 0 0	1,423 0 0	In progress.	20th Nov. "	In progress.
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-by with through siding at Kuttalam station.	..	..	..	412 0 0	995 0 0	1,407 0 0	Work stopped.	20th "	Work stopped.
31	C.E. No. 199, dated 26th February 1889.	A room and cook-house for Native drivers and firemen at Madurai.	..	..	..	542 0 0	113 0 0	655 0 0	Completed.	25th Aug. "	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	..	..	..	Do.	1st Sept. "	Do.
33	C.E. No. 223, dated 5th March 1889.	Removing the existing waiting shed and rebuilding it with corrugated iron sheets upon rail pillars at Tite station.	..	..	..	378 0 0	653 0 0	1,031 0 0	Do.	4th Dec. "	Do.
34	G.O., No. 283 R., dated 14th March 1889.	Bungalows and out-houses for Permanent-way Inspectors of Tanjore.	3,383 0 0	1,056 0 0	4,439 0 0	..	..	..	In progress.	15th Mar. 1890.	In progress.
35	Do. do. "	Bungalows and out-houses for Permanent-way Inspectors at Mayavaram.	3,383 0 0	1,056 0 0	4,439 0 0	..	..	..	Do.	15th "	Do.
36	C.E. No. 261, dated 16th March 1889.	A length of pale fencing at the Tinnevely station.	..	..	..	..	294 0 0	294 0 0	Completed.	15th Sept. 1889.	Completed.

Schedule of Works sanctioned or in progress up to 21st October 1889, under the authority of the Madras Government, &c.—cont.

4

14TH DECEMBER 1889, No. 1399 R., PUBLIC WORKS.

Register No.	Authority and date.	Description of work.	ESTIMATE.						REMARKS. It should be stated in this column whether in progress or completed.		
			CAPITAL.			REVENUE.					
			Cash.	Stores.	Total.	Cash.	Stores.	Total.			
37	C.E. No. 266, dated 19th March 1889.	Raising to the extent of 2 feet the one 30-foot girder bridge at 140 miles 18 T.P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	1,600 0 0	18th Dec. 1889.	Completed.
38	C.E. No. 303, dated 29th March 1889.	Additional sleeping accommodation at Trichinopoly junction station.	..	..	..	..	..	..	..	..	In progress. do.
39	C.E. No. 405, dated 8th May 1889.	Tank house at Pallur station ..	1,874 0 0	637 0 0	2,511 0 0	..	..	..	537 0 0	28th "	In progress. do.
40	do.	Latrine at end of platform, Pallur station.	..	..	..	..	..	..	..	7th Nov. 1890.	In progress. do.
41	C.E. No. 407, dated 8th May 1889.	Store-room and office for the Permanent-way Inspector residing at Mayavaram.	1,382 0 0	743 0 0	2,125 0 0	..	..	..	182 0 0	7th "	Do.
42	C.E. No. 408, dated 8th May 1889.	Eng. workshop at Mayavaram.	..	..	..	..	..	..	..	7th "	Do.
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.	..	..	..	..	..	..	374 0 0	7th Feb. "	Completed.
44	C.E. No. 448, dated 23rd May 1889.	Extending verandah round Resident Engineer's office at Trichinopoly.	..	..	..	..	..	..	107 0 0	17th Nov. 1889.	Not commenced.
45	C.E. No. 481, dated 4th June 1889.	Roughstone pitching to the embankment from 42/64 to 42/7 1/2 miles.	..	..	..	..	..	..	337 8 9	22nd June "	Completed.
46	C.E. No. 507, dated 13th June 1889.	Demarcating the boundary of the railway main line from Nellore to Tirupati.	..	..	..	..	..	..	594 0 0	3rd Mar. 1890.	Do.
47	C.E. No. 510, dated 14th June 1889.	Extending the weigh-bridge siding at the Renigunta station on the Nellore branch.	..	..	..	..	..	..	650 0 0	12th Sept. 1889.	Do.
48	C.E. No. 521, dated 15th June 1889.	Villupuram-Dharmavaram Railway.	..	..	..	..	..	..	22 0 0	13th Feb. 1890.	Do.
49	C.E. No. 540, dated 21st June 1889.	Altering the lay-by at the Yerpedu station on the Nellore branch.	..	..	..	..	..	..	73 0 0	14th Mar. "	Do.
50	C.E. No. 568, dated 27th June 1889.	A 9-foot gateway at the 11/8 miles	..	..	..	..	..	..	17 0 0	20th Dec. "	In progress.
51	C.E. No. 572, dated 1st July 1889.	A three 4-foot rail covered culvert at 11 miles 18 1/2 T.P.	..	..	..	..	..	..	149 0 0	26th "	Do.
52	C.E. No. 592, dated 6th July 1889.	Demolishing and re-building the 15-foot girder bridge at A-57 miles 10 T.P.	..	..	..	..	..	..	214 0 0	31st Oct. 1890.	Do.
53	C.E. No. 594, dated 6th July 1889.	A 3-foot culvert over the side drain to give access to the staff quarters at Egmore from the Poonamallee road.	..	..	..	..	..	..	498 0 0	5th Mar. 1891.	Do.
54	C.E. No. 607, dated 10th July 1889.	Permanent-way Inspector's bungalow with out-houses at Kumbakonam.	3,383 0 0	1,056 0 0	4,439 0 0	..	..	..	108 0 0	5th Jan. 1890.	Do.

14TH DECEMBER 1889, No. 1399 R., PUBLIC WORKS.

5

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.
56	C.E. No. 628, dated 16th July 1889.	Sinking a well 6 feet internal diameter at Perambalur.	..	..	..	272 0 0	25 0 0	297 0 0	..	15th Jan. 1890.	Do.
57	C.E. No. 664, dated 29th 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 " 1891.	Do.
58	C.E. No. 674, dated 1st August 1889.	A small lay-by and furniture required at Puliyur.	..	..	..	145 0 0	1,609 0 0	1,754 0 0	..	31st July 1890.	Completed.
59	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.	Not commenced.
60	C.E. No. 681, dated 3rd August 1889.	Laying pipes in lieu of existing well and fixing a hydrant at the Cheilpat station.	..	..	..	112 0 0	74 0 0	186 0 0	..	2nd Nov. 1889.	In progress.
61	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	..	2nd Feb. 1890.	Do.
62	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 "	Do.
63	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 "	Not commenced.
64	C.E. No. 740, dated 19th August 1889.	Flooring and apron to 6-foot culvert at 29 1/2 miles 13 T.P.	385 0 0	..	385 0 0	..	..	..	..	18th "	Do.
65	C.E. No. 758, dated 23rd August 1889.	Providing a lay-by at the Padalam station.	..	..	..	149 0 0	332 0 0	481 0 0	..	22nd Sept. 1889.	Completed.
66	C.E. No. 843, dated 17th September 1889.	One 12-foot girder bridge at 130 miles 62 chains.	2,921 0 0	546 0 0	3,467 4 0	..	..	..	..	16th March 1890.	Not commenced.
67	C.E. No. 846, dated 17th September 1889.	Lengthening the through siding at Elammanur station.	..	..	..	326 0 0	661 0 0	1,057 0 0	..	16th "	In progress. Completed.
68	C.E. No. 860, dated 21st September 1889.	A permanent ballast siding at 85 1/3 miles.	..	..	..	790 0 0	4,060 0 0	4,850 0 0	..	20th June "	Not commenced.
69	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. "	Not commenced.
70	C.E. No. 893, dated 1st October 1889.	Distant semaphore signal and subsidiary signals at Negapatam station.	..	..	..	79 0 0	509 0 0	588 0 0	..	4th July "	In progress.
71	C.E. No. 1112 R., dated 1st 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.
72	C.E. No. 972, dated 1st 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.	Do.
Total amount of sanctions granted up to date.			48,440 9 7	47,027 15 1	95,468 8 8	34,775 9	425,377 11 9	60,153 5 1			

Budget grant for the year for Capital works 2,62,269
Total sanctions against the budget grant 1,74,982
Balance available for future sanctions 87,287

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

MADRAS,
5th December 1889.

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

ORDER—dated 14th December 1889, No. 1399 R., Public Works.

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

(Here enter No. 1400 R., dated 14th December 1889.)

(True Extract.)

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

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

Exd. L. Passaigne.
Spare Copies

RAILWAY.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated December, 14th.

Recd.

Encl.

G.O., 14th Dec. 1889, No. 1399 R.

DECEMBER.

Schedule of Estimates

Ordered that the — sanctioned on the South Indian Railway up to 31st October 1889 be forwarded to the Director-General of Railways.

Form No. 1.

PUBLIC WORKS DEPARTMENT.

OFFICE OF CONSULTING ENGINEER FOR RAILWAYS,

Madras, 17th January 1890.

Print 2500
Schedule of Estimates sanctioned on the South Indian Railway up to 30th November 1889.

No. 41

SUBMITTED

Print
to Government for transmission to the Director General of Railways.

Sievely Smith

Inspector

for consg. Engr. for Rys.

25

A No 128 R 24 Jan 190

Form No. 3.

Order to be for.

warded to the Director General
of Railways.

W. H. 129 L 730 Jan 1890

Forwarded.

C.S.

10.1.90

R

ek

112

20

The Consulting Engineer

for the Railways

From

THE CONSULTING ENGINEER

FOR RAILWAYS,

MADRAS,

No. 41

Dated 17th

Received 18

} January 1890.

No. of ENCLOSURES

Subject.

Submitting, for transmission
to the Director General of Rail-
ways, the Schedule of Estimates
sanctioned on the S. G. Ry. up to
30th November 1889.

A

No 128 - 29 R 24 Jan 190.

Govt. of Madras.

PUBLIC WORKS.

Dated

Recd.

Encl.

G.O. 24 Jan'y 1890 No. 128 R

129 R

Schedule of Estimates
ordered that the —
sanctioned on the
South Indian Railway
up to 30th November
1889 be forwarded
to the Director-General
of Railways.

60
3

60/3
Schedule of Estimates
Forwarding the —
sanctioned on the
South Indian Railway
up to 30th Nov. 1889.

14.0.1890