

15TH APRIL 1890, No. 519 R., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper:—

From the Consulting Engineer for Railways, dated Madras, 11th April 1890,
No. 252.

Schedule of estimates sanctioned on the South Indian Railway up to 28th February 1890.

SOUTH INDIAN RAILWAY.

SCHEDULE of Works sanctioned or in progress up to 28th February 1890, under the authority of the Madras Government, prepared in accordance with para. 13 of P.W.D. Circular No. 42 of 1880—G.O., No. 22 R., dated 10th January 1881. Limit of cost of each work to be sanctioned by above authority, Rs. 25,000 (*vide* G.O., No. 4 R., dated 9th January 1889).

Register No.	Authority and date.	Description of work.	ESTIMATE.					REMARKS. 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.
1	O.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.	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
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	..	..	..
3	C.E. No. 661, dated 3rd October 1887.	Sinking a well 20 feet internal diameter and 25 feet deep for locomotive purposes at Viravandi station.	1,420 0 0	400 0 0	1,820 0 0	..	..	..
4	G.O. No. 762 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	..	..	..
5	C.E. No. 108, 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	..	..	..
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
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
8	C.E. No. 532, dated 14th August 1888.	Latrine at Panruti station.	..	..	..	200 0 0	13 0 0	213 0 0
9	C.E. No. 580, dated 3rd September 1888.	Two sheds, one at Viravandi 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
10	C.E. No. 626, dated 13th September 1888.	Bungalow at Tiruvallur for the Station-master.	..	..	..	947 0 0	606 0 0	1,553 0 0
11	C.E. No. 708, dated 12th October 1888.	Waiting shed at Annápet.	..	..	..	172 0 0	635 0 0	807 0 0
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
13	C.E. No. 732, dated 22nd October 1888.	A rough-stone pitching for the protection of the line from A 71/94 to 71/124 miles.	2,098 0 0	..	2,098 0 0	..	..	..
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
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

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	..	..	..	31st Dec. 1890.	In progress.
17	C.E. No. 925, dated 13th December 1888.	Removing the existing broad gauge weighing-bridge at Negapatam.	..	..	..	344 0 0	1,724 0 0	2,068 0 0	12th " 1889.	Do.
18	Do.	Removing the existing broad gauge weighing-bridge at Negapatam.	..	..	..	314 0 0	1,724 0 0	2,038 0 0	12th " "	Do.
19	C.E. No. 927, dated 13th December 1888.	Bridge and re-erecting a narrow gauge weighing-bridge at Trichinopoly Fort.	52 0 0	289 0 0	341 0 0	..	..	..	12th Mar. "	Completed.
20	C.E. No. 960, dated 26th December 1888.	Erecting lamp and lamp-posts on the transshipping platforms at Arkonam and Erode stations.	..	..	..	126 0 0	1,386 0 0	1,512 0 0	31st Dec. "	In progress.
21	C.E. No. 25, dated 11th January 1889.	Demarcating the Company's boundary throughout the Tinnevely district.	..	..	..	1,113 0 0	494 0 0	1,607 0 0	10th Oct. "	Completed.
22	C.E. No. 43, dated 16th January 1889.	A station-master's bungalow and latrine at Tuticorin.	478 0 0	..	478 0 0	..	..	..	15th July "	Do.
23	G.O. No. 73 R., dated 22nd January 1889.	Curtain walls, apron flooring and pitching to the 6-feet rail girder at 253-14 miles.	..	..	..	299 0 0	1,210 0 0	1,509 0 0	31st Dec. 1890.	Do.
24	C.E. No. 116, dated 4th February 1889.	Trial station at Puliur on the Erode branch.	..	..	..	135 0 0	314 0 0	449 0 0	31st " "	Do.
25	C.E. No. 135, dated 9th February 1889.	Erecting enclosures for clerks in the goods shed at Egmore station.	1,512 0 0	1,999 0 0	3,511 0 0	..	..	..	8th Feb. "	In progress.
26	C.E. No. 156, dated 16th February 1889.	Sinking a 15-feet well and constructing a cast-iron tank at Pallavaram.	..	..	..	1,225 0 0	397 0 0	1,622 0 0	14th " "	Completed.
27	C.E. No. 171, dated 21st February 1889.	Demolishing and rebuilding the cracked south abutment and wings of the 10-feet girder bridge at 117-16 miles.	..	..	..	168 13 0	174 3 0	343 0 0	31st Dec. 1889.	Do.
28	C.E. No. 173, dated 21st February 1889.	Erecting a shed 72 feet long and 24 feet wide at Trichinopoly junction.	..	..	..	21 0 0	420 0 0	441 0 0	20th Aug. "	Do.
29	C.E. No. 174, dated 21st February 1889.	Distant signal at the Mount Capper siding.	..	..	..	1,016 0 0	407 0 0	1,423 0 0	20th Feb. 1890.	Do.
30	C.E. No. 175, dated 21st February 1889.	Altering station-house at Panruti to provide an additional waiting-room.	..	..	..	412 0 0	995 0 0	1,407 0 0	31st Aug. "	Work stopped.
31	C.E. No. 199, dated 26th 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.	..	..	..	542 0 0	113 0 0	655 0 0	26th Aug. 1889.	Completed.
32	C.E. No. 216, dated 2nd March 1889.	A room and cook-house for native drivers and firemen at Madura.	693 5 7	1,257 6 10	1,950 12 5	..	..	..	1st Sept. "	Do.
33	C.E. No. 228, dated 6th March 1889.	Fencing platforms at the Park, Broadway and Fort stations.	..	..	..	378 0 0	653 0 0	1,031 0 0	4th Dec. "	Do.
34	G.O. No. 283 R., dated 14th March 1889.	Removing the existing waiting-shed and rebuilding it with corrugated iron sheets upon rail pillars at Tite station.	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 of Tanjore.	..	..	..	..	..	..	15th " "	Do.
36	C.E. No. 261, dated 16th March 1889.	Bungalows and out-houses for Permanent-way Inspectors at Mayavaram.	3,383 0 0	1,056 0 0	4,439 0 0	..	..	..	15th Sept. 1889.	Completed.
37	C.E. No. 266, dated 19th March 1889.	A length of pale fencing at the Tinnevely station.	..	..	..	..	294 0 0	294 0 0	18th Dec. "	Do.
		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		

Schedule of Works sanctioned or in progress up to 28th February 1890, under the authority of the Madras Government, &c.—cont.

Register No.	Authority and date.	Description of work.	ESTIMATE.						REMARKS. It should be stated in this column whether in progress or completed.
			CAPITAL.			REVENUE.			Date of lapse of sanction.
			Cash.	Stores.	Total.	Cash.	Stores.	Total.	
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
38	C.E. No. 393, dated 29th March 1889.	Additional sleeping accommodation at Trichinopoly junction station.	..	..	..	1,030 0 0	537 0 0	1,567 0 0	Completed.
39	C.E. No. 405, dated 8th May 1889.	Tank-house at Pallér station ..	1,874 0 0	637 0 0	2,511 0 0	..	..	..	In progress.
40	Do. do.	Latrine at end of platform, Pallér station.	..	..	..	300 0 0	182 0 0	482 0 0	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	..	..	..	Completed.
42	C.E. No. 408, dated 8th May 1889.	Large weighing-scales for Kalahasti and Venkatagiri stations.	..	..	..	42 0 0	374 0 0	416 0 0	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.	..	..	..	66 0 0	107 0 0	173 0 0	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	Completed.
45	C.E. No. 481, dated 4th June 1889.	Rough-stone pitching to the embankment from 42/54 to 42/74 miles.	..	..	..	594 0 0	..	594 0 0	Do.
46	C.E. No. 507, dated 13th June 1889.	Demarcating the boundary of the railway main line from Nellore to Tirupathi.	..	..	..	660 0 0	..	660 0 0	Do.
47	C.E. No. 516, dated 14th June 1889.	Extending the weigh-bridge siding at the Villupuram-Guntakal Railway.	..	..	..	22 0 0	170 0 0	192 0 0	Do.
48	C.E. No. 521, dated 15th June 1889.	Renigunta station on the Nellore branch, Altering the lay-by at the Yerpedu station on the Nellore branch.	..	..	..	58 0 0	73 0 0	131 0 0	Do.
49	C.E. No. 540, dated 21st June 1889.	A wall at Tanjore ..	..	..	..	274 0 0	17 0 0	291 0 0	In progress.
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	Completed.
51	C.E. No. 572, dated 1st July 1889.	A three 4-feet rail covered culvert at 11 miles 184 T.P.	..	..	..	1,082 0 0	214 0 0	1,296 0 0	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	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	Completed.
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	..	..	..	In progress.
55	G.O. No. 733 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	..	..	..	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	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	Completed.
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	Do.
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	..	..	..	In progress.
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	Do.
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	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	Completed.
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	In progress.
64	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	..	..	..	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	Completed.
66	C.E. No. 813, 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	..	..	..	In progress.
67	C.E. No. 816, dated 17th September 1889.	Lengthening the through siding at Elamandir station.	..	..	..	396 0 0	661 0 0	1,057 0 0	Completed.
68	C.E. No. 880, dated 21st September 1889.	A permanent ballast siding at 85/13 miles.	..	..	..	790 0 0	4,060 0 0	4,850 0 0	In progress.
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	..	..	..	Not commenced.
70	C.E. No. 898, dated 5th October 1889.	Distant semaphore signal and subsidiary signals at Negapatam station.	..	..	..	79 0 0	509 0 0	588 0 0	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	Not commenced.
72	C.E. No. 972, dated 29th October 1889.	Extending the wharf siding at Oudalora 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	Completed.
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	..	..	..	In progress.
74	C.E. No. 1060, dated 21st November 1889.	* A bridge of 3-25 feet openings at mileages 327/124.	..	..	..	..	323 0 0	323 0 0	Do.
75	C.E. No. 1064, dated 22nd November 1889.	Furniture for the additional sleeping-room at the Trichinopoly junction.	..	..	..	86 0 0	16 0 0	102 0 0	Completed.
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.	..	..	..	..	..	..	In progress.
77	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	..	..	..	Do.
78	C.E. No. 17, dated 9th January 1890.	New weigh-bridge house at Negapatam.	..	..	..	336 0 0	71 0 0	407 0 0	Do.

* Necessitated by the Periyar 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 28th February 1890, 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.	
79	C.E. No. 20, dated 10th January 1890.	A ballast siding into the bed of the Palar river.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	9th April 1890.
80	C.E. No. 22, dated 10th January 1890.	A loop line to the south arm of the Madras Harbour.	..	..	..	..	3,073 0 0	3,073 0 0	Completed.
81	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	Do.
82	C.E. No. 185, dated 14th February 1890.	Through siding at Puliur ..	536 0 0	3,329 0 0	3,865 0 0	28 0 0	..	..	28th ..
		Total amount of sanctions granted up to date.	50,120 9 7	54,577 15 1	1,04,698 8 8	35,225 9 4	30,787 0 11	66,012 10 3	13th Nov. 1890.

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

Rs.
.. 2,62,969
.. 2,15,721
Balance available for future sanctions .. 40,548

MADRAS,
11th April 1890.

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

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

ORDER—dated 15th April 1890, No. 519 R., Public Works.

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

(Here enter No. 520 R., dated 15th April 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. T. Peters.
Spare Copies

RAILWAY.

Govt. of Madras.

PUBLIC WORKS.

Dated April, 15th.

Recd.

Encl.

G.O., 15th Apr. 1890, No. 519 R.

APRIL.

Schedule of estimates sanctioned on the South Indian Railway

Ordered that the — up to 28th February 1890, be forwarded to the Director-General of Railways.

21st MARCH 1890, No. 406 R., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper:—

From the Consulting Engineer for Railways, dated Madras, 14th March 1890, No. 188.

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

[Statement]

SCHEDULE of Works sanctioned or in progress up to 31st January 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).

28 February

SOUTH INDIAN RAILWAY.

21st MARCH 1890, No. 406 R., PUBLIC WORKS.

Register No	Authority and date.	Description of work.	ESTIMATE.						REMARKS.				
			CAPITAL.			REVENUE.							
			Cash.	Stores.	Total.	Cash.	Stores.	Total.					
			Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.		
1	O.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 work-shops.	561 0 0	2,183 0 0	2,744 0 0	1,708 0 0	130 0 0	1,838 0 0	1,838 0 0	31st Mar. 1890.	Completed.	It should be stated in this column whether in progress or completed.	
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. 1889.	Do.		
3	O.E. No. 661, 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 " 1890.	Not commenced.		
5	O.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.		
6	O.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	1,412 0 0	10th Dec. 1888.	Completed.		
7	O.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	672 0 0	30th Nov. 1889.	Do.		
8	O.E. No. 532, dated 14th August 1888.	Two sheds, one at Vikravandi and the other at Tirumangalam station, for the custody of small permanent-way material.	..	..	..	200 0 0	13 0 0	213 0 0	213 0 0	31st Mar. "	Do.		
9	O.E. No. 580, dated 3rd September 1888.	Bungalow at Tiruvallur for the station-master.	..	..	..	2,140 0 0	1,058 0 0	3,198 0 0	3,198 0 0	31st Dec. "	In progress.		
10	O.E. No. 626, dated 18th September 1888.	Waiting shed at Annampet.	..	..	..	947 0 0	606 0 0	1,553 0 0	1,553 0 0	12th Mar. "	Completed.		
11	O.E. No. 708, dated 12th October 1888.	Erecting a steel pale fence on the south side of the new General Stores Depot at Trichinopoly junction (Erode branch).	..	..	..	172 0 0	635 0 0	807 0 0	807 0 0	31st Dec. "	Do.		
12	O.E. No. 720, dated 19th October 1888.	A roughstone pitching for the protection of the line from A 71/31 to 71/124 miles.	..	..	..	521 0 0	911 0 0	1,432 0 0	1,432 0 0	31st " "	Not commenced.		
13	O.E. No. 732, dated 22nd October 1888.	A roughstone pitching for the protection of the line at A 60/15 to 18 miles.	2,098 0 0	..	2,098 0 0	..	..	..	..	21st April "	Completed.		
14	O.E. No. 733, dated 22nd October 1888.	A latrine for the use of Native passengers in the compound of the Trichinopoly Fort station.	..	..	..	1,181 0 0	..	1,181 0 0	1,181 0 0	21st " "	Do.		
15	O.E. No. 783, dated 2nd November 1888.	..	..	..	..	515 0 0	23 0 0	538 0 0	538 0 0	1st May "	Do.		

21st MARCH 1890, No. 406 R., PUBLIC WORKS.

Register No.	Authority and date.	Description of work.	Cash.	Stores.	Total.	Cash.	Stores.	Total.	Total.	Date of lapse of sanction.	REMARKS.
			Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
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	..	..	..	..	31st Dec. 1890.	In progress.
17	C.E. No. 926, 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	2,068 0 0	12th " 1889.	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 Fort.	..	..	..	314 0 0	1,724 0 0	2,038 0 0	2,038 0 0	13th " "	Do.
19	C.E. No. 927, dated 13th December 1888.	Erecting lamp and lamp-posts on the transshipping platforms at Arkonam and Erode stations.	62 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	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	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	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	449 0 0	31st " "	Do.
25	C.E. No. 136, dated 9th February 1889.	Sinking a 15-feet well and constructing a cast-iron tank at Pallavaram.	1,512 0 0	1,999 0 0	3,511 0 0	..	..	..	..	8th Feb. "	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	1,622 0 0	14th " "	Completed.
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	343 0 0	31st Dec. 1889.	Do.
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	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	1,423 0 0	20th Feb. 1890.	Do.
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-bys with through siding at Kuttalam station.	..	..	..	412 0 0	995 0 0	1,407 0 0	1,407 0 0	31st Aug. "	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	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 6 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	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.	..	..	..	294 0 0	294 0 0	588 0 0	588 0 0	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	1,600 0 0	18th Dec. "	Do.

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

4

21st MARCH 1890, No. 406 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.			Date of lapse of sanction.
			Cash.	Stores.	Total.	Cash.	Stores.	Total.	
38	C.E. No. 303, dated 29th March 1889.	Additional sleeping accommodation at Trichinopoly junction station.	1,874 0 0	637 0 0	2,511 0 0	1,030 0 0	537 0 0	1,567 0 0	28th Dec. 1889.
39	C.E. No. 406, dated 8th May 1889.	Tank-house at Pallar station.	..	..	..	..	..	..	Completed.
40	Do.	Latrine at end of platform, Pallar station.	..	..	..	..	..	..	In progress.
41	C.E. No. 407, dated 8th May 1889.	Store-room and office for the Permanent-way Inspector residing at Mayavarun.	1,382 0 0	743 0 0	2,125 0 0	300 0 0	182 0 0	482 0 0	7th " "
42	C.E. No. 408, dated 8th May 1889.	Large weighing-scales for Kalahasti and Venkatagiri stations.	..	..	..	..	..	..	Do. Completed.
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.	..	..	..	42 0 0	374 0 0	416 0 0	7th Feb. "
44	C.E. No. 448, dated 23rd May 1889.	Extending verandah round Resident Engineer's office at Trichinopoly.	..	..	..	66 0 0	107 0 0	173 0 0	31st Jan. "
45	C.E. No. 481, dated 4th June 1889.	Roughstone pitching to the embankment from 42/54 to 42/7 1/2 miles.	..	..	..	186 12 4	387 8 9	524 5 1	22nd June 1889.
46	C.E. No. 607, dated 13th June 1889.	Demarcating the boundary of the railway main line from Nellore to Tinupai.	..	..	..	594 0 0	..	594 0 0	3rd Mar. 1890.
47	C.E. No. 516, dated 14th June 1889.	Extending the weigh-bridge siding at the Renigunta station on the Nellore branch.	..	..	..	650 0 0	..	650 0 0	12th Sept. 1889.
48	C.E. No. 521, dated 15th June 1889.	Villupuram-Guntakal Railway.	..	..	..	22 0 0	170 0 0	192 0 0	13th Feb. 1890.
49	C.E. No. 540, dated 21st June 1889.	Altering the lay-by at the Yerpedu station on the Nellore branch.	..	..	..	58 0 0	73 0 0	131 0 0	14th Mar. "
50	C.E. No. 560, dated 27th June 1889.	A well at Tanjore.	..	..	..	274 0 0	17 0 0	291 0 0	20th Dec. "
51	C.E. No. 572, dated 1st July 1889.	A 9-foot gateway at the 11/8 miles.	..	..	..	79 0 0	149 0 0	228 0 0	26th " 1889.
52	C.E. No. 592, dated 6th July 1889.	A three 4-foot rail covered culvert at 11 miles 18 1/2 T.P.	..	..	..	1,082 0 0	214 0 0	1,296 0 0	31st Oct. 1890.
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.	..	..	..	7,005 0 0	498 0 0	7,503 0 0	5th Mar. 1891.
54	C.E. No. 607, dated 10th July 1889.	A 3-foot 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.
55	G.O. No. 763 R., dated 10th July 1889.	Permanent-way Inspector's bungalow with out-houses at Kumbakonam.	3,383 0 0	1,055 0 0	4,438 0 0	..	..	..	9th " 1891.
		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 "

21st MARCH 1890, No. 406 R., PUBLIC WORKS.

5

56	C.E. No. 628, dated 16th July 1889.	Sinking a well 6 feet internal diameter at Perambur.	..	..	..	272 0 0	25 0 0	297 0 0	30th Mar. 1890.
57	C.E. No. 664, dated 29th July 1889.	Extra siding accommodation at Nelli-kuppam.	932 0 0	2,973 0 0	3,905 0 0	662 0 0	38 0 0	700 0 0	28th Jan. 1891.
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.
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.
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	31st Jan. 1890.
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. "
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 " "
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 " "
64	C.E. No. 740, dated 19th August 1889.	Flooring and apron to 6-foot culvert at 295 miles 13 T.P.	385 0 0	..	385 0 0	..	..	..	18th " "
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.
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	..	..	..	16th March 1890.
67	C.E. No. 846, dated 17th September 1889.	Lengthening the through siding at Elamandur station.	..	..	..	396 0 0	661 0 0	1,057 0 0	16th " "
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	20th June "
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	..	..	..	22nd Sept. "
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	4th July "
71	G.O. No. 1112 K., 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.
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	28th Oct. 1890.
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	..	..	..	4th Nov. "
74	C.E. No. 1060, dated 21st November 1889.	* A bridge of 3-25 feet openings at mileage 327/12 1/2.	..	..	..	..	..	..	20th May 1891.
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	21st Aug. 1890.
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	26th May "
77	C.E. No. 16, dated 9th January 1890.	A stone toe to groynes on the south-east side of the Moolapadi bridge at 302/6 miles.	381 0 0	..	381 0 0	..	..	..	8th Oct. 1890.
78	C.E. No. 17, dated 9th January 1890.	New weigh-bridge house at Negapatam.	..	..	..	336 0 0	71 0 0	407 0 0	8th " "

* Necessitated by the Periyar 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 28th February 1890, under the authority of the Madras Government, &c.—cont.

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.
Register No.			CAPITAL.		Total	REVENUE.		Total.		
			Cash.	Stores.		Cash.	Stores.			
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.		
79	C.E. No. 20, dated 10th January 1890.	A ballast siding into the bed of the Palar river.	..	..	..	..	3,073 0 0	3,073 0 0	9th April 1890.	Not commenced
80	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.	Do.
81	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 " "	Do. not commenced
		Total amount of sanctions granted up to date.	49,981 9 7	31,246 10 1	1,06,588 0 8	3,073 0 0	1,926 5 2	4,999 5 2		

82	C.E. No. 185 of 14th February 1890	Through siding at Puliyer.	536-4-0	3329-4-0	3865-4-0	25-0-0	18th Aug 1890	do	
		Total amount of sanctions granted up to date.	5100-9-7	5457-15-4	10568-14-1	45795-9-4	9048-4-8	86012-10-8	

Budget grant of the year for Capital works - - - - - 26,22,269

Total sanctions against the budget grant - - - - - 2,57,221

Balance available for future sanctions 4,65,488

Sidney Smith
Major R.E.
Sg. Coy. Engs. for Railways.

DEPARTMENT.

No. 252

2 Government.

to Government
for transmission to the
Director General of Railways.
Sidney Smith Major R.E.
Sg. Coy. Engs. for Railways.

Schedule of Estimates sanctioned on the
Indian Railway up to 28th February
1890.

11/4-90

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

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21st MARCH 1890, No. 406 R., Pt

under the authority of the Madras Government, &c.—cont.										
ESTIMATE.		CAPITAL.		REVENUE.			Date of lapse of sanction.	REMARKS. It should be stated in this column whether in progress or completed.		
Description of work.		Cash.	Stores.	Total.	Cash.	Stores.			Total.	
Authority and date.	Register No.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.		
C.E. No. 20, dated 10th January 1890.	79	..	..	..	..	3,073 0 0	3,073 0 0	9th April 1890.	Not commenced.	Do.
C.E. No. 22, dated 10th January 1890.	80	..	..	..	..	1,926 5 2	1,926 5 2	28th "	Do.	Do.
C.E. No. 113, dated 29th January 1890.	81	756 0 0	4,229 0 0	4,985 0 0	..	..	..	28th "	Do.	Do.
Total amount of sanctions granted up to date.		15,764 0 7	51,246 10 1	1,00,000 0 0	55,137 3 6	4,30,787 0 11	58,944 10 0			
Through siding at Puliyar.		536 - - -	3329 - - -	3865 - - -	25 - - -	25 - - -	25 - - -	18th May 1890	do	do

Form No. 1.

OFFICE OF CONSULTING ENGINEER FOR RAILWAYS,

PUBLIC WORKS DEPARTMENT.

Madras, 11th April 1890.

Schedule of Estimates sanctioned on the South Indian Railway up to 28th February 1890.

No. 252

2 Government.

SUBMITTED. _____ to _____ Government for transmission to the Director General of Railways.
Sd/-y Smith Major R.E.
Sd/-y Capt. Engrs for Railways.

11/4-90

A

Form No. 3.

N^o. 519 R of 15th April 90

^{15th} Ordered to be for-

warded to the Director General
of Railways.

M.E. N^o. 520 R of 15th April 1890

Forwarded..

Recd

14.4.90 to
for R.

Submitting for transmission
to the Director General of
Railways, the schedule of
estimates sanctioned on
the S.G. Ry. up to 28th Feb'y. 90.

A

N^o. 519-20 R of 15th April 90

11/5

The Consig. Engr for Rys
- Ex G. Ry. Accts.

2-4-90 2.15.4.90
4th 14.4.90 R 15-4-90

P.W.C. N^o. 3567

From

THE CONSULTING ENGINEER

FOR RAILWAYS,

MADRAS,

No. 252

Dated 11th

Received 12

} April 1890

No. of ENCLOSURES. /

Subject.

8

3567.

Govt. of Madras.

PUBLIC WORKS.

Dated

26.4.90

Recd.

Encl.

G.O. 15 April 1890 No. 579 5011.

Schedule of Estimates
Sanctioned on the S. I. Ry.

Orders that the—up
to 28th Feb 1890, in
pursuance of the Circular
General of Railways

Schedule of Estimates
Sanctioned on the S. I. Ry.

~~Sanctioned~~ Forw. the—

18/4/90