1893

Govt. of [illegible]

PUBLIC WORKS

Major H M Vibart

27th Oct 3013,

No. 394-395

Establishment Letter from the Adjt Genl, regarding the seconding of the Princi-pal of the C. E. College communicated to Capt. Vibart R.E.

10-11-75

No. 3014 27 Oct 75

The Estimate is sanctioned, the work being carried out when funds are available.

D. E. Bangalore 2
Contr. P.W. Accts 5
Sanitary Dept 15

with Estimate
Despd 9-11-75

Proceedings of the Madras Government, Military Department,
2nd October 1875.

Barracks and Buildings—Hospitals.

Read the following letter :—

No. 17. From Colonel H. O'CONNELL, Deputy Quartermaster-General, to Colonel A. C. SILVER, Secretary to Government, Military Department; dated Fort Saint George, 29th September 1875, No. 5862.

The Commander-in-Chief having approved the approximate estimate marginally noted, I am directed by His Excellency to submit them for the consideration and orders of Government.

2. If approved by Government, it is requested that the papers may be forwarded to the Department Public Works for disposal.

Enclosures 2 (1 *Plan.*)

Amounting to Rupees 540 for making certain alterations and additions to the latrine of the Garrison Hospital at Bangalore, considered necessary by the Deputy Surgeon-General, Indian Medical Department.

No. 18. ORDER THEREON, 2nd October 1875, No. 4771.

Approved.

(True Extract.)

Secretary to Government.

To the Public Works Department, with plan and estimate. Four copies.
„ Quartermaster-General.

Exd. A. Raitt.

Proceedings of the Madras Government, Public Works Department,
27th October 1875.

No. 398. Read the following letter from Major C. J[illegible] E., Officiating Consulting Engineer for Railways, to Ma[illegible] WALKER, R.E., Secretary to Government, Public Wo[illegible]ated Madras, 13th October 1875, No. 563:—

I HAVE the honor to submit herewith, for transmission[illegible]t of India, Statements A, B, and C, showing the progress made during [illegible]30th June 1875, on the construction works of the Northern and South[illegible]he South Indian Railway.

2. Statement D in regard to the metre gauge rolling stock has been called for and will be forwarded on receipt.

3. The descriptive report prescribed in the Proceedings of this Government, No. 866, of the 23rd March 1871, does not accompany the report for this quarter, as the Chief Engineer in a letter to the Agent explains that, owing to press of work, he omitted to send it, but intends incorporating it with the report for the subsequent quarter.

4. As stated in reports from this office, considerable modifications will probably be necessary in the dates entered for the opening of the various sections of the Northern Extension. At present, all available skilled labor at the Madras end has been taken for the completion of the Southern Extension.

Proceedings of the Madras Government, Public Works Department,
27th October 1875.

No. 396. Read the following Proceedings of the Madras Government in the Military Department, dated 2nd October 1875, No. 4,771:—

ABSTRACT.—Approving estimate, amounting to Rupees 540, for making certain alterations and additions to the latrine of the Garrison Hospital at Bangalore.

No. 397. ORDER THEREON, 27th October 1875, No. 3,014.

MILITARY WORKS, No. 8.

THE estimate is sanctioned, the work being carried out when funds are available.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the District Engineer, Bangalore.
" Controller of Public Works Accounts.
" Military Department.

Exd. E. C. Shunker.
Spare Copies

SOUTH INDIAN RAILWAY.

A.

ENGINEERING DEPARTMENT.

General Progress Report of the Southern Extension from Trichinopoly to Tuticorin, 215 Miles 1 Chain, for the Quarter ending 30th June 1875.

Reference to Heads of Estimate	Details.	TOTAL ESTIMATE. Indian Expenditure.	TOTAL ESTIMATE. Value of English Stores.	ACTUAL INDIAN EXPENDITURE. During quarter.	ACTUAL INDIAN EXPENDITURE. Total from commencement to end of quarter.	NUMBERS. Total.	NUMBERS. Finished	NUMBERS. In hand.	QUANTITIES. Total as per Estimate.	QUANTITIES. Executed during Quarter.	QUANTITIES. Executed to end of Quarter.	PROBABLE DATE. Of completion.	PROBABLE DATE. By which Permanent-way can be laid if urgently required.	Remarks.
I.	Preliminary Expenses	6,52,418	...	...	4,12,527	M. CHS. ...	M. CHS. ...	M. CHS. ...	C. FT. ...	C. FT. ...	C. FT. ...	Trichinopoly to Madura, August 1875. Remainder of line, November 1875.	November 1875.	Includes both Sanction and expenditure for Southern and Northern Extensions.
II.	Land	...	...	...	...	...	...	...	...	...	...			
III.	Construction of Line—													
	Earthwork ... {Embankments / Cuttings, &c...	6,99,277	...	10,267	5,84,670	215 1	215 1	...	107,584,524	900,789	109,724,598			
						No.	No.	No.						
	Minor Bridges and Culverts...	5,65,691	1,04,453	5,583	3,83,081	590	544	30	1,285,551	10,155	1,059,721			
	Large Bridges (as per Statement B.)	4,98,296	3,92,284	9,471	2,74,847	31	16	15	599,967	12,252	458,992			
						M. CHS.	M. CHS.	M. CHS.						
	Fencing	1,40,000	...	2,616	59,202	215 1	197 44	17 37	...	...	...			
	Other Items	1,47,454	...	4,634	28,817	...	...	...	...	...	...			
IV.	Ballast and Permanent-way—													
	Ballast ... {Collected ... / Spread ...	2,57,657	...	28,622	78,721	215 1	...	...	13,250,926	2,845,842	9,828,486			
	Rails ... {Lifted ... / Linked in ... / In depôt ... / Arrived at port during quarter.	5,38,738	33,77,890	41,525	1,81,811	...	163 45	...	...	...	...			
						...	163 45	...	...	...	...			
						...	...	*9,048	...	...	...			
						...	...	...	...	...	...			
	Wooden Sleepers. {Lifted ... / Laid ... / In depôt ... / Arrived at port during quarter.					...	163 45	...	...	...	...			
						...	163 45	...	...	...	...			
						...	...	†28,958	...	...	...			
						...	...	...	...	...	...			
V.	Stations and Buildings (as per Statement C.)													
	(a.) Platforms	3,50,768	3,879	24,165	1,39,112	41	13	24	...	...	...			
	(b.) Passengers' Buildings ...					40	16	20	...	...	...			
	(c.) Goods shed					18	6	9	...	...	...			
	(d.) Watering arrangements ...					19	4	13	...	...	...			
						Rooms.								
	(e.) Staff quarters, by rooms ...	1,78,955	61,407	5,450	40,716	399	...	91	...	...	...			
	(f.) Engine sheds and workshops	1,45,535	54,917	6,831	40,951	4	...	4	...	...	...			
	(g.) Small items	75,123	...	8,559	23,039	145	51	26	...	...	...			
	Temporary Workshop (Trichinopoly.)	...	...	...	...	...	Per cent. 80	...	...	...	...			Expenditure under this head is included in permanent workshops.
	No. Staff quarters	...	...	...	...	...	100	...	...	...	...			
VI.	Telegraph	12,000	...	167	9,565	...	...	...	...	...	...			
VII.	Plant	2,00,084	1,54,442	1,403	5,177	...	...	...	...	...	...			
VIII.	Rolling Stock (Statement D) ...	3,16,359	7,66,450	2,148	34,329	...	...	...	...	...	...			
IX.	Maintenance	2,58,015	...	...	...	...	...	...	...	...	...			
X.	Establishment	20,42,176	...	1,20,673	13,05,086	These figures include expenditure on the Northern Extension between Madras and Tanjore.								
XI.	Contingencies	4,26,680	...	2,861	47,113									

* Rails in Depôt.

At Trichinopoly	...	4,026
„ Tuticorin ...	...	5,022
		9,048

† Sleepers in Depôt.

At Trichinopoly	...	25,743
„ Tuticorin ...	...	3,215
		28,958

NEGAPATAM,
3rd September 1875.

(Signed) J. SMITH,
Chief Auditor.

(Signed) R. K. WILLIAMS,
Asst. Govt. Examiner of Railway Accounts.

(Signed) J. SMITH,
for *Agent.*

B.

ENGINEERING DEPARTMENT.

Progress Report of large Bridges in Southern Extension from Trichinopoly to Tuticorin, 215 Miles 1 Chain, for Quarter ending 30th June 1875.

Names of Bridges.	Foundations.	Abutments and Piers up to Springing or Girder level.	Arching or erection of Girders.	Other Items.	Remarks.
District No. 1.—Bridge at 6 mile 50 chains—Percentage done	...	...	...	...	3-20 feet girders.
Do. No. 1.—Date of completion	100	100	100	...	August 1875.
Coriar Bridge at 3 miles 43 chains—Percentage done	...	...	...	...	3-20 feet girders.
Do. No. 1.—Date of completion	100	100	100	100	Completed.
Bridge at 4 miles 2 chains 61 links—Percentage done	...	...	...	...	4-20 feet girders.
Do. No. 2.—Date of completion	100	100	100	100	Completed.
Bridge at 2 miles 41 chains—Percentage done	...	...	...	...	4-20 feet girders.
Do. No. 2.—Date of completion	100	100	100	...	August 1875.
Bridge at 9 miles 51 chains—Percentage done	...	...	...	...	3-20 feet girders.
Do. No. 3.—Date of completion	100	100	100	...	August 1875.
Bridge at 1 mile 45 chains—Percentage done	...	...	...	...	6-20 feet girders.
Do. No. 3.—Date of completion	100	100	100	...	August 1875.
Bridge at 9 miles 40 chains—Percentage done	...	...	...	...	1-70 feet girder.
Do. No. 3.—Date of completion	100	100	100	...	Coping in Land.
Bridge at 14 miles 45 chains 89 links—Percentage done	...	...	...	...	August 1875.
Do. No. 4.—Date of completion	100	100	100	100	3-20 feet girders.
Kullar Nullah Bridge at 5 miles 70 chains—Percentage done	...	...	...	...	Capped but not capped August 1875.
Do. No. 4.—Date of completion	100	100	100	100	2-20 feet girders.
Mulapadi river at 8 miles 42 chains 70 links—Percentage done	...	...	...	...	Completed.
Do. No. 5.—Date of completion	100	100	100	100	6-30 feet girders.
Anavoolathan Nullah at 8 miles 8 chains 96 links—Percentage done	...	...	...	...	Completed.
Do. No. 7.—Date of completion	100	100	100	100	3-20 feet girders.
Vygay Bridge at 5 miles 13 chains 40 links—Percentage done	...	...	...	...	Completed.
Do. No. 8.—Date of completion	100	100	100	...	15-70 feet girders
Gundar Bridge at 5 miles 51 chains 50 links—Percentage done	...	...	...	...	Not roped.
Do. No. 8.—Date of completion	100	100	100	100	August 1875.
Sheyaracotay Bridge at 10 miles 46 chains 49 links—Percentage done	...	...	...	...	7-30 feet girders.
Do. No. 8.—Date of completion	100	100	100	100	Completed.
Bridge at 14 miles 10 chains 60 links—Percentage done	...	...	...	...	6-30 feet girders
Do. No. 9.—Date of completion	100	100	100	100	Completed.
Virutapatti river at 7 miles 31 chains 58 links—Percentage done	...	...	...	...	2-30 feet girders.
Do. No. 9.—Date of completion	100	100	100	100	Completed.
Kalingapari at 13 miles 72 chains—Percentage done	...	...	...	...	9-30 feet girders.
Do. No. 9.—Date of completion	100	100	75	...	November 1875.
Vudrasarapatti at 14 miles 3 chains—Percentage done	...	...	...	...	4-20 feet girders.
Do. No. 10.—Date of completion	100	100	...	...	November 1875.
Bridge at 2 miles 23 chains—Percentage done	...	...	...	...	8-70 feet girders.
Do. No. 10.—Date of completion	100	100	...	...	November 1875.
Bridge at 6 miles 35 chains 40 links—Percentage done	...	...	...	...	6-30 feet girders.
Date of completion	100	100	...	...	November 1875.

Progress Report of large Bridges in Southern Extension from Trichinopoly to Tuticorin, 215 Miles 1 Chain, &c.—(Concluded.)

Names of Bridges.	Foundations.	Abutments and Piers up to Springing or Girder level.	Arching or erection of Girders.	Other Items.	Remarks.
District No. 10.—Bridge at 8 miles 31 chains 14 links—Percentage done	...	92	92	...	12-70 feet girders.
Do. No. 10.—Date of completion	...	...	...	...	November 1875.
Bridge at 8 miles 64 chains—Percentage done	...	100	100	...	1-70 feet girder.
Do. No. 10.—Date of completion	...	...	...	...	November 1875.
Bridge at 12 miles 35 chains 52 links—Percentage done	...	100	100	...	3-20 feet girders.
Do. No. 11.—Date of completion	...	...	...	...	November 1875.
Nullá Bridge at 0 mile 79 chains 25 links—Percentage done	...	100	100	...	4-30 feet girders.
Do. No. 12.—Date of completion	...	...	...	...	November 1875.
Bridge at 2 miles 2 chains 37 links—Percentage done	...	100	100	...	3-20 feet girders.
Do. No. 12.—Date of completion	...	...	...	...	November 1875.
Bridge at 3 miles 27 chains 15 links—Percentage done	...	100	100	...	3-30 feet girders.
Do. No. 13.—Date of completion	...	...	...	...	November 1875.
Kurthapillee Nuttum Nullah at 2 miles 45 chains 78 links—Percentage done	...	100	100	...	1 pair girders set.
Do. No. 13.—Date of completion	...	...	...	...	November 1875.
Shoriamunguium Nullah at 3 miles 66 chains 75 links—Percentage done	...	100	100	75	4-30 feet girders.
Do. No. 13.—Date of completion	...	...	...	...	3 pairs girders set.
Chittaur Bridge at 5 miles 9 chains—Percentage done	...	100	100	40	November 1875.
Do. No. 14.—Date of completion	...	...	...	...	10-70 feet girders.
Bridge at 2 miles 45 chains 69 links—Percentage done	...	100	100	*68	4 spans girders erected.
Do. No. 14.—Date of completion	...	...	...	...	November 1875.
Bridge at 13 miles 69 chains 66 links—Percentage done	...	100	100	100	3-20 feet girders.
Do. No. 14.—Date of completion	...	...	...	...	2 spans main girders in place.
					November 1875.
					2-20 feet girders.
					November 1875.

* 100 per cent. erroneously entered in last quarter's report.

C.

Progress Report of Stations of the Southern Extension from Trichinopoly to Tuticorin, 215 Miles 1 Chain, for Quarter ending 30th June 1875.

Names of Stations.	(a) Platforms.	(b) Passengers' Buildings.	(c) Goods Sheds.	(d) Watering arrangements.	(e) Staff Quarters (by Rooms).	(f) Engine Sheds.	(g) Small Items.	Remarks.
District No. 1.—Trichinopoly Station—Percentage done	77	100	...	100	81	98	100	16 turntable.
	...	...	...	...	...	...	53	42 do.
Do. No. 1.—Date of completion	...	...	...	...	...	...	...	December 1875.
Kolaour Station—Percentage done	100	100	100	56	...	...	93	Platelayers' huts and gate lodges.
Do. No. 2.—Date of completion	...	...	...	...	...	...	...	December 1875.
Manarparai Station—Percentage done	89	88	89	...	...	...	...	December 1875.
Do. No. 3.—Date of completion	...	...	...	...	...	...	71	Platelayers' huts and gate lodges.
Vaiyampatti Station—Percentage done	...	...	...	...	...	...	...	December 1875.
Date of completion	...	...	...	...	...	...	...	

Proceedings of the Madras Government, Public Works Department,
27th October 1875.

Progress Report of Stations of the Southern Extension from Trichinopoly to Tuticorin, 215 *Miles* 1 *Chain, &c.*—(Concluded.)

Names of Stations.	Platforms. (a)	Passengers' Buildings. (b)	Goods Sheds. (c)	Watering arrangements. (d)	Staff Quarters (by Rooms). (e)	Engine Sheds. (f)	Small Items. (g)	Remarks.
District No. 4.—Vadamadura Station—								
Percentage done ...	80	100	30	43	...	...		
Date of completion ...	...	...	...	...	...	...		December 1875.
Do. No. 4.—Dindigul Station—								
Percentage done ...	100	100	84	20	...	...	85	Platelayers' huts and gate lodges.
Date of completion ...	...	...	...	...	...	...	...	December 1875.
Do. No. 5.—Amayanayakanur Station—								
Percentage done ...	98	100	100	22	...	...	71	Platelayers' huts and gate lodges.
Date of completion ...	...	...	...	...	...	...	...	December 1875.
Do. No. 6.—Sholavandan Station—								
Percentage done ...	100	100	97	100	...	...	25	Platelayers' huts and gate lodges.
Date of completion ...	...	...	...	...	...	...	...	December 1875.
Do. No. 7.—Madura Station—								
Percentage done ...	96	97	93	95	49	95	100	18 turntable.
							100	43 do.
Date of completion ...	...	...	...	...	...	...	100	Trains under road approach.
Do. No. 8.—Tirumangalam Station—								
Percentage done ...	97	89	...	100	...	...	...	December 1875.
Date of completion ...	...	...	...	...	...	...	...	
Do. No. 9.—Virdupatti Station—								
Percentage done ...	...	...	...	100	...	...	...	December 1875.
Date of completion ...	...	...	...	...	...	...	100	9 drains under level crossings.
Do. No. 10.—Sattur Station—							98	Platelayers' huts and gate lodges.
Percentage done ...	96	96	66	83	...	...	...	December 1875.
Date of completion ...	...	...	...	...	...	...	...	
Do. No. 11.—Kovilpatti Station—							84	Platelayers' huts and gate lodges.
Percentage done ...	100	100	100	70	...	...	100	Culvert under level crossings.
Date of completion ...	...	...	...	...	...	...	100	2 drains under do.
							100	8 Retaining walls.
Do. No. 12.—Kadambur Station—							...	December 1875.
Percentage done ...	...	...	...	...	...	...	70	Platelayers' huts and gate lodges.
Date of completion ...	...	...	...	...	...	...	100	4 culverts under level crossings.
Do. No. 12.—Maniachi Station—							...	December 1875.
Percentage done ...	84	89	89	95	...	...	100	2 Culverts under level crossings Kulattanur.
Date of completion ...	...	...	...	...	...	...	21	Platelayers' huts and Gate lodges, both stations.
Do. No. 13.—Tuticorin Station—							...	December 1875.
Percentage done ...	93	63	46	51	...		7	Platelayers' huts and gate lodges.
							48	43 turntables.
Date of completion ...	...	...	...	...	...	...	100	Station compound wall.
Do. No. 14.—Gangankulan Station—							30	Weigh bridge.
Percentage done ...	...	...	...	...	...	...	...	December 1875.
Date of completion ...	95	99	100	91	...	...	100	Sanitary wall.
Do. No. 14.—Tinnevelly Station—							14	Tubicorin Station.
Percentage done ...	100	98	82	67	...	...	14	42 Turntable.
							14	Weigh bridge.
Date of completion ...	...	...	...	...	...	...	98	Platelayers' huts and gate lodges both stations.
							1	
							...	December 1875.

TRICHINOPOLY,
20th June 1875.

(Signed) D. LOGAN,
Chief Engineer.

A.

General Progress Report of the Northern Extension from Madras to Tanjore, 217 *Miles, for the Quarter ending* 30*th June* 1875.

Reference to Heads of Estimate.	Details.	Total Estimate. Indian Expenditures.	Total Estimate. Value of English Stores.	Actual Indian Expenditures. During Quarter.	Actual Indian Expenditures. Total from commencement to end of Quarter.	Numbers. Total.	Numbers. Finished.	Numbers. In hand.	Quantities. Total as per Estimate.	Quantities. Executed during Quarter.	Quantities. Executed to end of Quarter.	Probable Date. Of completion.	Probable Date. By which Permanent-way can be laid if urgently required.
						M. CHS.	M. CHS.	M. CHS.	C. FT.	C. FT.	C. FT.		
I.	Preliminary Expenses ...	Sanction and expenditure shown on Southern Extension Report.											
II.	Land												
III.	Construction of Line—												
	Earthwork, embankments, cuttings, &c.	6,55,998		46,322	2,39,472	217 0	137 24	19 56	81,424,315	13,770,675	65,841,768		
						No.	No.	No.					
	Minor Bridges and Culverts ...	5,71,016		47,899	1,10,455	700	147	267	1,058,400	257,931	578,745		
	Large Bridges (as per Statement B.)	16,13,327		56,634	93,799	34	0	22	560,085	120,164	201,973		
						M. CHS.	M. CHS.	M. CHS.					
	Fencing	1,59,965		10,249	20,575	217 0	46 26	131 0	...	...	...		
	Other items ...	1,04,243		2,240	4,592	...	...	...	...	...	...		
IV.	Ballast and Permanent-way—												
	Ballast ... Collected ...	2,62,701		6,754	18,858	...	...	...	12,435,087	1,449,414	2,235,789		
	Spread ...					...	43 44	...	...	...	...		
	Lifted ...					...	43 44	...	...	...	...		
	Linked in ...												
	Rails ... In Depôt ...					...	...	*30,965	...	...	...		
	Arrived at port during quarter.					...	...	...	...	...	...		
		33,01,823		19,124	33,701	...	43 44	...	...	...	...		
	Lifted ...					...	43 44	...	...	...	...		
	Laid ...												
	Wooden Sleepers. In Depôt ...					...	...	†65,623	...	...	...		
	Arrived at port during quarter.					...	...	...	...	...	...		

Madras to Chingleput, October 1875.
Do. to Tindivanum, February 1876.
Do. to Cuddalore, July " "
Do. to Combaconum, December " "
Tanjore to do. July " "

* Rails in Depôt—
At Madras ... 15,686
At Cuddalore ... 15,279
30,965

† Sleepers in Depôt—
At Madras ... 9,807
At Cuddalore ... 56,816
65,623

General Progress Report of the Northern Extension from Madras to Tanjore, 217 Miles, for the Quarter ending 30th June 1875.—(Concluded.)

Reference to Heads of Estimate.	Details.	Total Estimate. Indian Expenditures.	Total Estimate. Value of English Stores.	Actual Indian Expenditures. During quarter.	Actual Indian Expenditures. Total from commencement to end of Quarter.	Numbers. Total.	Numbers. Finished.	Numbers. In hand.	Quantities. Total as per Estimate.	Quantities. Executed during Quarter.	Quantities. Executed to end of Quarter.	Probable Date. Of completion	Probable Date. By which Permanent-way can be laid if urgently required.
V.	Stations and Buildings (as per Statement C.)												
	(a.) Platforms					...	...	1	...	...	...	Madras to Chingleput, October 1875.	
	(b.) Passenger Buildings ...	9,22,756		5,065	28,533	...	...	1	...	...	...	Do. to Tindivanum, Feb. 1876.	
	(c.) Good-shed					...	...	1	...	...	...	Do. to Cuddalore, July " "	
	(d.) Watering arrangements ...	1,11,696		6,223	15,316	...	...	...	...	...	...	Do. to Combaconum, Dec. " "	
	(e.) Staff Quarters, by rooms ...	80,160		279	2,508	...	...	...	...	...	...	Tanjore to do. July " "	
	(f.) Engine-shed, &c.	94,721		140	140	...	...	74 per cent 79 rooms	...	...	...		
	(g.) Small Items	...		...	...	...	...	...	...	...	...		
	Temporary Workshops*	...		...	...	...	...	...	...	...	...		
	Do. Staff quarters	13,075		6,220	19,590	...	...	...	...	...	...		
VI.	Telegraph Construction ...	10,557		5	5	...	...	...	...	...	...		
VII.	Equipment of Telegraph Offices ...	2,99,985		2,864	9,053	...	...	...	...	...	...		
VIII.	Plant	11,53,000		319	472	...	...	...	...	...	...		
IX.	Rolling Stock (Statement D) ...	1,62,585		...	...	...	...	...	...	...	...		
X.	Maintenance...	Report on Southern Extension includes sanction and expenditure on both sections under these heads.											
XI.	Establishment												
XII.	Contingencies												

* Expenditure under these heads is shown against permanent workshops and staff quarters.

† Sanction quoted is for temporary telegraph. Expenditure includes that of permanent line between Madras and Tindivanum.

NEGAPATAM,
3rd *September* 1875.

(Signed) J. SMITH,
Chief Auditor.

(Signed) R. K. WILLIAMS,
Asst. Govt. Examiner of Railway Accounts.

(Signed) J. SMITH,
for *Agent.*

D.

Progress Report of Large Bridges on Northern Extension from Madras to Tanjore, 217 Miles, for Quarter ending 30th June 1875.

Names of Bridges.	Foundations.	Abutments and Piers up to Springing or Lower Level.	Arching or Erection of Girders.	Other Items.	Remarks.
District No. 1.—Coomsa bridge at 2 miles 76 chains—					
For postage done	...	16	...	...	5-40 feet girders.
Date of completion	...	...	...	...	
Do. No. 1.—Adyar bridge at 6 miles 10 chains—	105	73	...	...	5-65 feet girders.
Percentage done	...	...	...	...	
Date of completion	...	...	...	...	3-20 feet girders.
Do. No. 2.—Overbaukum bridge at 21 miles 73 chains 64 links—	...	75	...	...	
Percentage done	100	...	...	...	1-20 feet girders.
Date of completion	...	...	...	...	
Do. No. 3.—Guiavanchert bridge at 28 miles 21 chains—	...	45	...	...	6-20 feet girders.
Percentage done	100	...	...	...	
Date of completion	...	...	...	...	
Do. No. 3.—Chingleput tank bridge at 33 miles 74 chains 60 links—	...	18	...	...	4-20 feet girders.
Percentage done	100	...	...	...	
Date of completion	...	...	...	...	13-120 feet girders.
Do. No. 4.—Bridge at 42 miles 8 chains 66 links—	...	95	...	...	
Percentage done	...	...	...	...	6-25 feet girders.
Date of completion	...	...	...	...	
Do. No. 4.—Palar River bridge at 42 miles 65 chains 14 links—	...	18	...	...	11-40 feet girders.
Percentage done	...	...	...	...	
Date of completion	...	...	...	...	4-50 feet girders
Do. No. 4.—Bridge at 44 miles 69 chains—	...	29	...	...	
Percentage done	...	...	...	...	2-25 feet girders
Date of completion	...	...	...	...	
Do. No. 4.—Karanpali river bridge at 49 miles 11 chains 5 links—	...	53	...	...	2-30 feet arches.
Percentage done	...	...	...	...	
Date of completion	...	...	...	...	7-30 feet girders.
Do. No. 5.—Bridge at 63 miles 53 chains—	...	67	...	...	
Percentage done	...	...	...	...	11-30 feet girders and 2-15 feet arches.
Date of completion	...	...	...	...	
Do. No. 6.—Bridge at 64 miles 41 chains—	...	27	...	...	5-30 feet girders.
Percentage done	...	...	...	...	
Date of completion	...	...	...	...	3-30 feet girders.
Do. No. 6.—Bridge at 75 miles 13 chains 25 links—	...	96	...	...	
Percentage done	...	...	...	...	7-30 feet girders.
Date of completion	...	...	...	...	
Do. No. 6.—Bridge at 81 miles 29 chains 10 links—	...	3	...	...	11-30 feet girders and 2-15 feet arches.
Percentage done	...	...	...	...	
Date of completion	...	...	...	...	5-30 feet girders.
Do. No. 6.—Bridge at 85 miles 69 chains 96 links—	...	10	...	...	
Percentage done	...	...	...	...	3-30 feet girders.
Date of completion	...	8	...	...	
Do. No. 7.—Bridge at 92 miles 14 chains 13 links—	...	...	...	...	17-100 feet girders
Percentage done	...	23	...	...	
Date of completion	...	...	...	...	10-100 feet girders.
Do. No. 7.—Tunibay river bridge at 97 miles 3 chains 8 links—	...	60	...	...	
Percentage done	...	...	...	...	1-70 feet girder.
Date of completion	...	100	...	...	
Do. No. 8.—Paner bridge at 103 miles 3 chains—	...	...	...	...	4-40 feet girders.
Percentage done	...	65	...	...	
Date of completion	...	...	...	...	
Do. No. 9.—Gudiatum bridge at 124 miles 4 chains—	...	23	...	...	
Percentage done	...	...	...	...	
Date of completion	...	...	...	...	
Do. No. 9.—Bridge at 127 miles 34 chains—	...	23	...	...	
Percentage done	...	...	...	...	
Date of completion	...	...	...	...	
Do. No. 13.—Arasalar bridge at 194 miles 71 chains 50 links—	...	20	...	...	
Percentage done	...	...	...	...	
Date of completion	...	...	...	...	

Proceedings of the Madras Government, Public Works Department, 27th October 1875.

Progress Report of Large Bridges in North Extension from Madras to Tanjore, &c.—(Concld.)

Names of Bridges.	Foundations.	Abutments and Piers up to Springing or Girder Level.	Arching or erection of Girders.	Other Items.	Remarks.
District No. 17.—Vennar bridge at 215 miles 12 chains—	...	...	...	...	6-30 feet girders.
Percentage done	29	...	...	...	
Date of completion	...	...	...	...	4-30 feet girders.
Do. No. 17.—Vadavar bridge at 216 miles 12 chains—	...	...	...	...	
Percentage done	3	...	...	...	
Date of completion	...	...	...	...	

C.

Progress Report of Stations of the Northern Extension from Madras to Tanjore, 217 Miles, for Quarter ending 30th June 1875.

Names of Stations.	(a) Platforms	(b) Passengers' Buildings.	(c) Goods Sheds.	(d) Watering arrangements.	(e) Mail Quarters (by Railway).	(f) Engine Sheds.	(g) Small Items.	Remarks.
District No. 1.—Madras Station—								
Percentage done	...	...	180	...	...	17	63	Boundary wall to goods yard.
Date of completion	...	...	...	...	...	...	...	
Do. No. 2.—St. Thomas' Mount Station—								
Percentage done	75	...	...	...	...	...	...	
Date of completion	...	...	...	...	...	...	...	

(Signed) D. LOGAN,
Chief Engineer.

TRICHINOPOLY,
30th June 1875.

Nos. 399 & 400. ORDER THEREON, 27th October 1875, No. 3,015.

RAILWAY, No. 40.

ORDERED that these papers be forwarded for the information of the Government of India. The general progress of the works has been separately reviewed in connection with special inspection reports submitted by the officers of the Consulting Engineer's Department, which will be furnished for the information of the Government of India.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

No. 401. (DOCKET No. 3,016, dated 27th October 1875.)

COPY of the above forwarded to the Government of India.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

Exd. E. C. Shunker.
Spare Copies

Rly Dept

Cons: Engineers Office
Madras 13 October 1875

No 563.

From
Majr R. S. Smith RE.
Off Cons Engineer for Railways

To
Major General G. W. Walker RE
Secretary to Government
Public Works Dept
Fort St George

Sir,

I have the honour to submit herewith for transmission to the Government of India, Statements A, B and C showing the progress made during the quarter ended 30 June 1875 on the construction works of the Northern and Southern Extensions of the South Indian Railways.

2. Statement D in regard to

No 3015 27 Octr 75

Ordered that these papers be forwarded for the information of the Government of India. The general progress of the works has been separately reviewed in connection with special inspection reports submitted by the Officers of the Consulting Engineers Department which will be furnished for the information of the Government of India.

R. for dy 27 H.S. No 3016 of 27 Octr 75.

Copy of the above forwarded to the Govt of India.

30 sc — & Gd 2969 dy 16 Octr

to Govt of India

Desp 9-11-75.

Desp 9-11-75

Cjp 23rd March/75 No 562-563.
" 20th Febry/75 " 572-573.
" 25th June " " 576-577
" 19th Augt " " 326-329.
" 29th Septr " " 640-641.

No 398-401

Cjr 22-10-75.
Desp to Govt 15-10-75.

P. W. 1875 dept
Railway Department
From No: 6565
The Offg Comr Engr
for Railways
To (10)
The Secretary to Government
Public Works Department
Fort Saint George

Dated 13th October 1875
Received 15
No. 563.

Submitting for transmission to the Govt of India, statements A, B & C showing progress made during quarter ended 30th June/75 on the construction works of the H.S. Extension of the G. I. Ry.

Yr Obedt Servt