Public Works (1899) Department.

RAILWAY BRANCH.

G.O., No. 1028 Ry.

DATED 13th Septr 1899.

Includes Go No 885-86 Ry of 9/8/99

Proof 60/2

T.C.C. to check

[Despatch Abstract.]

Arcot-Ranipet Branch of
the Madras Railway.
Commn: to the Agent & Manager, sanction
of the Govt. of India to the re-allocation
under the several heads & sub-heads
of account, of the sanctioned esti-
mate amounting to Rs 2,98,000
of the — as shown in the revised
abstract estimate.

Indexed.

[P. W. 25.
500—30-3-99.]

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

RAILWAY.

Government (1899) of Madras.

PUBLIC WORKS.

Recd. } 1899. *Enclosures*
Regd. } *Spare copies*

G.O., No. 1028 Ry., 13th September 1899.

SEPTEMBER.

Arcot Branch of the Madras Railway

Communicating to the Agent and Manager sanction of the Government of India to the re-allocation, under the several heads and sub-heads of account, of the sanctioned estimate, amounting to Rs. 2,98,000, of the — as shown in the revised abstract estimate.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following papers :—

From—The Secy. to the Govt. of India, P.W. Dept.
To—The Joint Secy. to the Govt. of Madras, P.W. Dept., Ry. Branch.
Dated—Simla, 21st October 1897, No. 1739 R.C.

The undermentioned paper is forwarded to the Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, for information, with reference to his letter No. 467 R., dated 15th July 1897.

Enclosure No. 1.

Despatch from—His Excellency the Right Hon'ble the Governor-General of India in Council.
To—The Right Honourable Her Majesty's Secretary of State for India.
Dated—Simla, 14th October 1897, No. 103, Railway.

We have the honour to forward a letter from the Government of Madras, No. 467 R., dated 15th July 1897, submitting the detailed project for the construction of the proposed Arcot-Ranipet Branch of the Madras Railway, 4·35 miles in length.

2. It will be observed that the estimate amounts to Rs. 2,58,065, being at the rate of Rs. 59,325 per mile. It excludes, however, provision for certain alterations at the junction station at Arcot which have been suggested by the Consulting Engineer, Madras, and carried out in the plans, as well as provision for an engine shed, water column and piping. The cost of these additions is estimated at Rs. 7,894. On the other hand, savings are anticipated on account of earthwork and bridging which will about cover the excess. The estimate as submitted may, therefore, be accepted for Rs. 2,58,065, as sufficient to meet the cost of construction if exchange be taken at the Madras Railway contract rate of 1*s.* 10*d.* per rupee.

3. After considering the alternative methods for financing this branch, we have arrived at the conclusion that the simplest plan will be to let the Madras Railway Company raise the capital for it under the same terms as have lately been proposed for the Bombay, Baroda and Central India Railway Company (*vide* our despatch No. 81 Ry., dated 4th August 1897), viz., that the capital is converted at the prescribed or average rate of exchange and that the same rate is applied to the interest thereon. This will not involve keeping separate revenue accounts, but the capital so raised and the interest thereon will be dealt with separately. If this be accepted, the estimate will amount to Rs. 2,98,000 as detailed in the abstract enclosed.

4. It appears from the statistics of traffic that the whole of the traffic which is now received at Arcot station is for Arcot town, and the gross earnings from the existing traffic are placed at Rs. 24,028, excluding the traffic expected from and guaranteed by the Arcot sugar works. Taking the working expenses at 50 per cent., the net earnings will amount to Rs. 12,014 or over 4 per cent. on the estimated cost of Rs. 2,98,000.

5. This branch was considered at the railway conference which has just concluded its sittings at Simla under the Presidency of His Excellency the Viceroy, and was classed as an urgent project, the construction of which should not be delayed as it would considerably facilitate the working of the traffic of the existing Madras Railway and we would accordingly now ask that the necessary communication may be made to the Board of the Madras Railway Company with a view to their acceptance of the terms proposed and to a settlement of the details necessary to give effect to the proposed arrangement. We would at the same time be glad to receive your Lordship's sanction to the project and to the estimate for its construction amounting to Rupees 2,98,000.

MADRAS RAILWAY.

Arcot-Ranipet Branch.

Abstract estimate of the cost of construction, 5′ 6″ gauge, 4·35 miles in length.

Heads of Account.	Total cost.	Cost per mile.	Remarks.
	RS.	RS.	
I.—Preliminary expenses	1,214	279	
II.—Land	4,593	1,056	
III.—Formation—			
1. Earthwork	32,360	7,501	
IV.—Bridgework—			
1. Large bridges	..	..	
2. Minor bridges	18,937	4,353	
V.—Fencing, &c.	5,096	1,171	
VI.—Electric telegraph	2,984	686	
VII.—Ballast and permanent-way—			
1. Ballast	17,598	4,045	
2. Permanent-way	1,34,647	30,953	
VIII.—Stations and buildings—			
1. Stations and offices ..	14,460	3,324	
2. Workshops, store buildings, &c.	404	93	
3. Staff quarters	2,071	476	
4. Station machinery ..	8,914	2,049	
IX.—Plant	3,717	854	
X.—Ferries	..	..	
XI.—Rolling-stock	..	..	
XII.—General charges	10,800	2,482	
Total ..	2,58,065	59,322	
Add— For difference in exchange on expenditure in England between the rates at 1*s.* 10*d.* and current rates	39,935	..	
Grand Total ..	2,98,000	68,502	

Order—No. 967 R., dated 12th November 1897.

Recorded.

Telegram from—The Secretary to the Govt. of India, P.W. Dept.
To—The Joint Secretary to the Govt. of Madras, P.W. Dept., Ry. Branch.
Dated—Calcutta, 8th January 1898, No. 32 R.C.

My 1739 R.C., 21st October 1897. Estimate for Arcot-Ránipet branch sanctioned. What cash grant could be economically spent this financial year?

Order—No. 53 R., dated 10th January 1898.

Communicated to the Agent and Manager, Madras Railway, for information and favour of very early report.

From—The Secretary to the Govt. of India, P.W. Dept.
To—The Joint Secretary to the Govt. of Madras, P.W. Dept., Ry. Branch.
Dated—Calcutta, 12th January 1898, No. 43 R.C.

The under-mentioned papers are forwarded to the Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, for information in continuation of Government of India telegram, No. 32 R.C., dated 8th January 1898.

2. As the total of this excess is under 5 per cent., it is not intended to submit a revised estimate in accordance with G.O., No. 3009 W., dated 24th October 1889, but in view of the great delay which has occurred in the receipt of permanent-way materials from England and also in consequence of the prevailing inclemency of the weather, the completion of the construction has been unexpectedly extended beyond the sanctioned period.

3. It is therefore thought desirable to provide for establishment up to 28th February 1899, and I herewith enclose an establishment schedule for Rs. 3,588 to which I should be much obliged if you will obtain the immediate sanction of the Consulting Engineer.

4. I desire to offer the following explanation for the excess on the other sub-heads:—

Earthwork.—Is due to heavy settlement and scouring which has been caused by the incessant rain and, in consequence of rock in side pits, which has necessitated the leading of earth from long distances, together with failure and delays on the part of contractors and the consequent carrying out of the work by day labour at higher rates.

Ballast.—The extra provision is necessary to meet the higher rates which are now being demanded for the supply of suitable ballast.

Level-crossings.—These are required on account of culverts which had not been estimated for in connection with level-crossings in Ranipet station-yard and partly in consequence of anticipated excess on the over-bridge at Ranipet.

ENCLOSURE.

Arcot-Ranipet Branch.

ESTABLISHMENT from 16th November 1898 to 28th February 1899.

Class.	Number.	Monthly pay.	Monthly allowances.	Total per month.	Numbers of months.	Total amount.
		RS.	RS.	RS.		RS.
Assistant Engineer	1	450	120	570	3½	1,995
Upper Subordinate	1	150	30	180		630
Overseer	1	50	..	50		175
Head Clerk	1	40	..	40		140
Assistant Clerks	2	40	..	40		140
Tracer	1	20	..	20		70
Storekeeper	1	20	..	20		70
Time-keeper	1	15	..	15		53
Watchers, peons, lascars and trollymen ..	12	90	..	90		315
Total ..		875	150	1,025	..	3,588

From—The Consulting Engineer for Railways, Madras.
To—The Agent and Manager, Madras Railway.
Dated—Madras, 13th December 1898, No. 3444.

With reference to your letter No. 11030/1168, dated 6th December 1898, I have the honour to request that you will submit, for the sanction of the Government of India, proposals for a redistribution of the amount over the several main heads, as the orders contained in G.O., No. 3009 W., dated 24th October 1889, quoted by the Chief Engineer, do not refer to excesses over main and sub-heads of project estimates for railways (*vide* G.O., No. 1129 R., dated 25th August 1893, copy attached).

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 20th December 1898, No. 11030/1213.

Referring to your letter No. 3444 of the 13th instant, I have the honour to inform you that the Chief Engineer informs me he does not anticipate there will be any savings on other main heads of the Arcot-Ranipet project estimate, and he is therefore unable to redistribute the estimated excess under—

Earthwork,	Level-crossings,
Ballast,	Establishment,

in the manner suggested by you.

If under the circumstances the submission of a complete revised estimate is necessary, I beg to suggest that it be delayed till construction is nearer completion, when the Chief Engineer will be in a better position than he is at present to say exactly what the expenditure under each main head of the sanctioned estimate is likely to be. Meanwhile, I shall be glad if you will give provisional sanction to the establishment for the Arcot-Ranipet branch.

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 26th January 1899, No. 11030/104.

With reference to your telephone message of the 6th instant, I have the honour to state that the Chief Engineer informs me that the accounts of the Arcot branch have now been brought up to date, and instead of an excess over the project estimate, it is anticipated that there will be a saving, in which case excess expenditure on sub-heads can be re-allocated to savings under other sub-heads as was done on the Ennur branch.

2. The Chief Engineer also expresses the opinion that a responsible officer is more needed at the finishing up of a work like this than at any other time, and further that there is ample employment to fully occupy Mr. Gale's services up to the end of March, by which date it is anticipated the branch will be ready for opening.

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 24th February 1899, No. 11030/215.

The undersigned has the honour to request the favour of an early reply to his letter No. 11030/1213, dated 20th December 1898, on the subject of establishment for the Arcot-Ranipet branch.

From—The Consulting Engineer for Railways, Madras.
To—The Agent and Manager, Madras Railway.
Dated—4th March 1899, No. 765.

With reference to your No. 11030/215, dated 24th February 1899, I have the honour to invite your attention to your letter No. 104, dated 26th January 1899, in which it is stated that the excess expenditure on sub-heads can be re-allocated to savings under other sub-heads as was done on the Ennur branch. I therefore request that a revised estimate for the Arcot-Ranipet branch may be submitted as early as possible.

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 13th March 1899, No. 11030/267.

With reference to your letter No. 765, dated the 4th i[illegible] ave the honour to inform you that a revised estimate for the Arcot-Ranipet [illegible] l be submitted as soon as possible. As pointed out in my letter of the 26th January last, no excess over the total of the estimate is anticipated, and the Chief Engineer states the re-allocation of excess expenditure on sub-heads to savings on other [illegible] heads can only be satisfactorily completed towards the close of the work.

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 12th May 1899, No. 11030/543.

With reference to your letter No. 765 of the 4th March last, and my relpy No. 11030/267 of the 13th idem, the Chief Engineer points out that the preparation of the revised estimate will cause considerable labour, and enquires whether it is really necessary, seeing that the expenditure is not anticipated to be 5 per cent., if anything in excess of the sanctioned estimate.

If a revised allocation of excess and savings amongst the various sub-heads is what is required, it will be submitted as early as possible.

From—The Consulting Engineer for Railways, Madras.
To—The Agent and Manager, Madras Railway.
Dated—26th May 1899, No. 1669.

With reference to your letter No. 11030/543, dated 12th May 1899, I have the honour to forward, herewith, copy of a note by the Examiner of Railway Accounts, Madras, and to request that a revised abstract of estimate therein called for may be furnished to this office.

Enclosure.

Office-note from—The Examiner, Guaranteed Railway Accounts, Madras.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 26th May 1899, No. 332.

Please see my remarks on your office-note, No. 1534, dated 15th May 1899. I find from the final issue of the extensions budget for 1899–1900 that an excess of Rs. 11,588 over the project estimate is anticipated. A revised estimate is therefore necessary; but, as the amount involved is small, the Government of India would probably not object to its being submitted in abstract only.

This would not take long to prepare and, if approved, the Agent and Manager might be asked to furnish a revised estimate in this form at an early date.

Endorsement by the Consg. Engr. for Rys., Madras, dated 31st May 1899, No. 1709.

Copy forwarded to the Agent and Manager, Madras Railway, in continuation of this office letter No. 1669, dated 26th May 1899, with a request that a revised estimate for the Arcot-Ranipet branch may be submitted in the form suggested by the Examiner, Guaranteed Railway Accounts.

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 17th July 1899, No. 11030/865.

With reference to your endorsement No. 1709 of the 31st May last, on copy of a note from the Government Examiner, I have the honour to forward, herewith, the revised abstract of estimate for the Arcot-Ranipet branch working up to Rs. 2,98,000.

2. In the absence of actuals for certain items, approximate figures have been taken in the revised abstract now sent.

3. As soon as the accounts are closed, a final statement showing the actual expenditure on the several sub-heads will be submitted to you.

Enclosure.

Revised Abstract of Estimate for Arcot-Ranipet Branch.

Description.		Proposed re-allocation.
I. Preliminary expenses	Rs.	6,200
II. Land	,,	15,066
III. Construction of line—		
1. Earthwork	,,	...
2. Bridge-work	,,	...
3. Minor bridges	,,	24,000
4. Level-crossings, &c.	,,	4,000
5. Fencing	,,	2,000
IV. Ballast and permanent-way—		
1. Ballasting	,,	6,500
2. Permanent-way	,,	1,39,410
V. Stations and buildings—		
1. Stations and offices	,,	13,684
2. Workshop store buildings	,,	...
3. Staff quarters	,,	3,559
4. Station machinery	,,	13,400
VI. Electric telegraph	,,	2,581
VII. Plant—		
1. Engineering	,,	2,200
4. Station and office furniture	,,	1,600
X. Establishment—		
2. Engineering	,,	13,300
5. Stores	,,	500
	Total Rs.	2,98,000

Order—No. 885 Ry., dated 9th August 1899.

The Government of India will be addressed.

From—The Joint Secretary to the Government of Madras, P.W. Dept., Ry. Branch.
To—The Secretary to the Government of India, Public Works Department.
Dated—Ootacamund, 9th August 1899, No. 886 Ry.

With reference to your Memo. No. 1739 R.C., dated 21st October 1897, I am directed to forward, herewith, for the sanction of the Government of India, a revised abstract of the estimate for the Arcot branch, Madras Railway, amounting to Rupees 2,98,000, in which the items have been re-allocated.

2. From a perusal of the budget estimate for the current year, it will be observed that provision for an outlay of Rs. 11,588 in excess of the sanctioned project has been made, but it has been ascertained from the Agent and Manager, Madras Railway, that a saving to this extent in the budget allotment is anticipated.

From—The Secretary to the Government of India, Public Works Department.
To—The Joint Secretary to the Government of Madras, P.W. Dept., Ry. Branch.
Dated—Simla, 31st August 1899, No. 1650 R.C.

I am directed to acknowledge the receipt of your letter No. 886 Ry., dated 9th August 1899, and, in reply, to convey the sanction of the Government of India to the re-allocation, under the several heads and sub-heads of account, of the sanctioned project estimate, amounting to Rs. 2,98,000, of the Arcot-Ranipet branch, Madras Railway, as shown in the revised abstract estimate received with your letter under reply.

Order—No. 1028 Ry., dated 13th September 1899.

Communicated to the Agent and Manager, Madras Railway Company.

(True Extract.)

Francis J. E. Spring,
Secretary.

To the Agent and Manager, Madras Railway Company.
" Examiner, Railway Accounts.
" Consulting Engineer for Railways.

Exd. A. Rungasawmy] Aiyangar.

SERIAL
No. 82

C. No. 5267
Recd. 1.12.97

RAILWAY.

Government {1897} of Madras.

PUBLIC WORKS.

Print

Recd. } 1897.
Regd. }

Enclosures

Spare copies

G.O., No. 967 R., 12th November 1897.

NOVEMBER.

Arcot-Ranipettai Branch of the Madras Railway

Memorandum from the Government of India forwarding, for information, copy of despatch to the Secretary of State requesting early sanction to the estimate for constructing the —, recorded.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

SERIAL No. 81

Read the following paper:—

From the Under Secretary to the Government of India, Public Works Department (Railway Construction), to the Officiating Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, dated Simla, 21st October 1897, No. 1739 R.C.

The undermentioned paper is forwarded to the Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, for information, with reference to his letter, No. 467 R., dated 15th July 1897.

Enclosures.

Despatch from the Government of India, Public Works Department (Railway Construction), to the Right Honourable Her Majesty's Secretary of State for India, dated Simla, 14th October 1897, No. 103, Railway.

We have the honour to forward a letter from the Government of Madras, No. 467 R., dated 15th July 1897, submitting the detailed project for the construction of the proposed Arcot-Ránipéttai Branch of the Madras Railway, 4·35 miles in length.

2. It will be observed that the estimate amounts to Rs. 2,58,065, being at the rate of Rs. 59,325 per mile. It excludes, however, provision for certain alterations at the junction station at Arcot which have been suggested by the Consulting Engineer, Madras, and carried out in the plans, as well as provision for an engine shed, water column and piping. The cost of these additions is estimated at Rs. 7,894. On the other hand, savings are anticipated on account of earthwork and bridging which will about cover the excess. The estimate as submitted may, therefore, be accepted for Rs. 2,58,065, as sufficient to meet the cost of construction if exchange be taken at the Madras Railway contract rate of 1*s*. 10*d*. per rupee.

3. After considering the alternative methods for financing this branch, we have arrived at the conclusion that the simplest plan will be to let the Madras Railway Company raise the capital for it under the same terms as have lately been proposed for the Bombay, Baroda and Central India Railway Company (*vide* our despatch No. 81, Ry., dated 4th August 1897), viz., that the capital is converted at the prescribed or average rate of exchange and that the same rate is applied to the interest thereon. This will not involve keeping separate revenue accounts, but the capital so raised and the interest thereon will be dealt with separately. If this be accepted the estimate will amount to Rs. 2,98,000 as detailed in the abstract enclosed.

4. It appears from the statistics of traffic that the whole of the traffic which is now received at Arcot station is for Arcot town, and the gross earnings from the existing traffic are placed at Rs. 24,028, excluding the traffic expected from and guaranteed by the Arcot sugar works. Taking the working expenses at 50 per cent., the net earnings will amount to Rs. 12,014 or over 4 per cent. on the estimated cost of Rs. 2,98,000.

5. This branch was considered at the railway conference which has just concluded its sittings at Simla under the Presidency of His Excellency the Viceroy, and was classed as an urgent project, the construction of which should not be delayed as it would considerably facilitate the working of the traffic of the existing Madras Railway and we would accordingly now ask that the necessary communication may be made to the Board of the Madras Railway Company with a view to their acceptance of the terms proposed and to a settlement of the details necessary to give effect to the proposed arrangement. We would at the same time be glad to receive Your Lordship's sanction to the project and to the estimate for its construction amounting to Rupees 2,98,000.

MADRAS RAILWAY.

Arcot-Ránipéttai Branch.

Abstract estimate of the cost of construction, 5′ 6″ gauge, 4·35 miles in length.

Heads of Account.	Total cost.	Cost per mile.	Remarks.
	RS.	RS.	
I.—Preliminary expenses	1,214	279	
II.—Land	4,593	1,056	
III.—Formation—			
1. Earthwork	32,360	7,501	
IV.—Bridgework—			
1. Large bridges	..	..	
2. Minor bridges	18,937	4,353	
V.—Fencing, &c.	5,096	1,171	
VI.—Electric telegraph	2,984	686	
VII.—Ballast and permanent-way—			
1. Ballast	17,598	4,045	
2. Permanent-way	1,34,647	30,953	
VIII.—Stations and buildings—			
1. Stations and offices ..	14,460	3,324	
2. Workshops, store buildings, &c.	404	93	
3. Staff quarters	2,071	476	
4. Station machinery	8,914	2,049	
IX.—Plant	3,717	854	
X.—Ferries	..	..	
XI.—Rolling stock	..	..	
XII.—General charges	10,800	2,482	
Total ..	2,58,065	59,322	
Add— For difference in exchange on expenditure in England between the rates at 1*s*. 10*d*. and current rates	39,935	..	
Grand Total ..	2,98,000	68,502	

Order—No. 967 R., dated 12th November 1897.

Recorded.

(True Extract.)

Offg. Under Secretary to Government,
Railway Branch.

To the Consulting Engineer for Railways. ✓

Exd. W. D'Moss.

7 Br

Madras Railway

Arcot Ranipet Branch

Establishment from 16th November 1898 to 28th February 1899

Class	No	Monthly pay	Monthly Allowance	Total per Month	Nos of Months	Total Amount
Assistant Engineer	1	450	120	540	3½	1995
Upper Subordinate	1	150	30	180	″	630
Overseer	1	50	″	50	″	175
Head Clerk	1	40	″	40	″	140
Assistant Clerks	2	40	″	40	″	140
Tracer	1	20	″	20	″	70
Store Keeper	1	20	″	20	″	70
Time Keeper	1	15	″	15	″	53
Watchers Peons Lascars Trollymen	12	90	″	90	″	315
Total		875	150	1025		3588.

Chief Engineers Office
Madras 2nd Decr 1898

(sd) James M. Ewing
for Chief Engineer

True Copy

Alfred Blake
Chief Clerk

Eng. No. 8757 1898
1168 6.12.98
From AM

No. A.R. 7066/916.

4 S f

Madras Railway Compy.
Chief Engineers Office
Madras 2nd December 1898

The Agent and Manager.

Print

Dear Sir,

Arcot Ranipet Branch

Your No. 11030/11409 of 2nd ultmo

It is anticipated that the Estimate for Rs 2,58,065/. sanctioned under G. O. No 115 Ry dated 21st January 1898 will be exceeded by the following amount:-

Sho88

Formation	Earthwork	Rs 4,000/.
Ballast & P Way	Ballast	3,000/.
Fencing etc	Level Crossing	1,000/.
General charges	Establishment	3,588/.
	Total	Rs 11,588.

2 As the total of this excess is under 5% it is not intended to submit a revised estimate in accordance with G. O. No 3009W dated 24th October 1889 but in view of the great delay which has occurred in the receipt of Permanent Way Materials from England and also in consequence of the prevailing inclemency of the weather the comp[illegible] the construction [illegible] with [illegible] crossings in Rani[illegible]

Way K

MADRAS RAILWAY.

From
The Agent and Manager.

To
The Consulting Engineer
for Railways.

No.

Dated 188

Recd.

---

beyond the sanctioned period.

3. It is therefore thought desirable to provide for establishment up to 28th February 1899 and I herewith enclose an Establishment Schedule for Rs 3,588/. to which I should be much obliged if you will obtain the immediate sanction of the Consulting Engineer.

5E/

4 I desire to offer the following explanations for the excess on the other sub-heads:-

Earthwork. Is due to heavy settlement and scouring which has been caused by the incessant rain and in consequence of rock in side pits which has necessitated the leading of earth from long distances, together with failure and delays on the part of contractors and the consequent carrying out of the work by day labor at higher rates.

Ballast The extra provision is necessary to meet the higher rates which are now being demanded for the supply of suitable ballast.

Level Crossings These are required on account of culverts which had not been estimated for in connection with level crossings in Ravit consequence of anticipated excess on the over bridge at Ranipet.

Yours faithfully
(sd) James M. Ewing
for Chief Engineer

6 SP

True Copy

Alfred Blake
Chief Clerk.

ASC

Encl 2 to C. R's. C. No. 5757 of 1898.
No. 1168 d/ 6. 12. 98
From Am

MADRAS RAILWAY.

From
The Agent and Manager.

To
The Consulting Engineer
for Railways.

No.
Dated 188
Recd.

(No. I.)
No. ~~11030~~
1168

SERIAL
108

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,
Madras, 6th December 1898

CONSULTING ENGINEER FOR RAILWAYS
RECEIVED
7 DEC. 1898
MADRAS.

5757
7.12.98

Print

From
The Agent and Manager.
M. R. Loy

To
The Consulting Engineer for Railways.
Madras

30

Sir,

I have the honor to forward
herewith for your information copy of
a letter from the Company's Chief
Engineer No. A. R $\frac{7066}{916}$ of the 2nd instant
together with the Schedule of Establish-
ment referred to therein.

Under the circumstances explained
I shall be obliged if you will kin
ly communicate to me the san
tion of Government to the Establish
ment list for the Arcot Ranipe
Branch amounting to Rs 3,588/-, at
an early date.

I have the honor to be,
Sir,
Your most Obedt. Servan

SER
No. 110

Form No. 1/A.

No. 3444

88

Madras, 13 December 1898

From

THE CONSULTING ENGINEER FOR RAILWAYS,
MADRAS,

Reminders.

To

THE AGENT AND MANAGER, M. RY.

Print

Reply No. 1213
dated 25/12/98

SIR,

With reference to your letter No 11030/1168 dated 6th December 1898, I ha the honour to request that you will submit for the sanction of the Go of India proposals for a redistributio of the amount over the several main heads as the orders contained i G.O. No 3009 W dated 24.10.98 quoted by the Chief Engineer do not refer to excesses over Main and Sub he of Project estimates for Railwa vide G.O. No 1129 R dated 25.8.93 co attached.

13.12.98.

Despatched on 13/12/98

(No. II.)

No. 11030.
/213

C. No. 5960
Recd. 21/12/98

SERIAL
No. 111

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

Madras, 20th December, 1898.

CONSULTING ENGINEER FOR RAILWAYS
RECEIVED
21 DEC. 1898
MADRAS

From

9P

The *Agent and Manager.*
Madras Railway.

Print

To

The *Consulting Engineer for Railways.*
Madras.

SIR,

S2o110

Referring to your letter No. 3444 of the 13th instant I have the honor to inform you that the Chief Engineer informs me he does not anticipate there will be any savings on other Main heads of the Arcot-Ranipet Project Estimate and he is therefore unable to redistribute the estimated excess under

Earthwork
Ballast
Level Crossings
Establishment

in the manner suggested by you.

If under the circumstances the submission of a complete Revised Estimate is necessary, I beg to suggest that it be delayed till construction is nearer completion, when the Chief Engineer will be in a better position than he is at present to say exactly what the expendit under each Main Head of the sanctioned estimate is likely to be. Meanwhile I shall be glad if you will give provisional sanction to the

Establishme

MADRAS RAILWAY.

From The Agent and Manager.

To The Consulting Engineer for Railways.

Dated 188

Recd.

No.

Establishment for the Arcot- Ranipet Branch.

10P

I have the honor to be,
Sir,
Your most Obedient Servant,

pr Agent and Manager.

C.S.c

MADRAS RAILWAY.

No.

From
The Agent and Manager,
M. R. Co.,

To
The Consulting Engineer
for Railways.

Dated 188

Recd.

(No. II.)

No. 11030

104

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

Madras, 26th January 1899.

114

533.
27-1-99

Print

CONSULTING ENGINEER FOR RAILWAYS
RECEIVED
27 JAN. 1899
MADRAS.

11P

From
Agent and Manager.
Madras Railway Company.

To
Consulting Engineer for Railways.
Madras.

Sir,

Q

With reference to your telephone message of the 6th instant, I have the honor to state that the Chief Engineer informs me that the accounts of the Arest Branch have now been brought up to date and instead of an excess over the project estimate it is anticipated that there will be a saving, in which case excess expenditure on subheads can be re-allocated to savings under other subheads as was done on the Ennur Branch.

2. The Chief Engineer also expresses the opinion that a responsible officer is more needed at the finishing up of a work like this than at any other time, and further that there is ample employment to fully occupy Mr. Gale's services up to the end of March, by which date it is anticipated the Branch will be ready for opening.

I have the honor to be,
Sir,
Your most obedient Servant.

Fil 7/11

MADRAS RAILWAY.

From

The Agent and Manager.

To

The Consulting Engineer
for Railways.

Dated 188

Recd.

No.

SERIAL 115

CONSULTING ENGINEER FOR RAILWAYS
RECEIVED
27 FEB. 1899
MADRAS.

R. 500—18-9-93.

1058
27-2-99

From

The Agent and Manager,
Madras Railway Company,
Madras,

12 P

Print

To

The Consulting Engineer
for Railways,
Madras.

Dated 24th } February 1899.
Received }

No. $\frac{11030}{215}$

The undersigned has the honour to request the favour of an early reply to his letter No. $\frac{11030}{1213}$ dated 20th Decr 189 on the subject of Establishment for the Arcot Ranipet Branch.

fr Agent and Manager.

---

13 P

No 765
4.3.99

Print

From ER
to AM

With reference to your ~~letter~~ No: $\frac{11030}{215}$ of 24th Feby 1899. I have the honour to invite your attention to ~~this~~ your letter No: 104 of 24-1-99 in which it is stated that the excess expenditure on sub-head can be reallocated to savings under other sub-heads as was done on the Ennore branch. I therefore request that a revised estimate for the Arcot Ranipet branch may be submitted as early as possible.

Attached

JH
for ER
3.3.99

4/3/99

(A. & M. 1.)

No 11030

267

SERIAL No. 116

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

Madras, 13th March 1899

CONSULTING ENGINEER FOR RAILWAYS
RECEIVED
14 MAR. 1899
MADRAS.

1357
14.3.99

From

148

The Agent and Manager. M.R.C

Print

To

The Consulting Engineer for Railways.
Madras.

SIR,

115

With reference to your letter No 765 dated the 4th instant, I have the honour to inform you that a Revised Estimate for the Arcot - Ranipet Branch will be submitted as soon as possible. As pointed out in my letter of the 26th January last no excess over the total of the estimate is anticipated and the Chief Engineer states the reallocation of excess expenditure on Sub Heads to savings on other Sub Heads, can only be satisfactorily completed towards the close of the work.

114

I have the honour to be
Sir
Your most obedient Servant

Ennis S Moss

Agent & Manager.

Accountant

pr ER

(No. I.)

No. 11030
5143

5000-15-3-88.

SERIAL
No. 117

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

MADRAS, 12th May 1899. Print

CONSULTING ENGINEER FOR RAILWAYS
RECEIVED
15 MAY 1899
MADRAS.

No. 2469
13.5.99

From
The Agent and Manager,
Madras Railway Company,

15 P

Cons. Arcot Ranipet Projt.

To
The Consulting Engineer for Railways.
Madras.

SIR,

S 115 With reference to your letter No. 765 of the 4th March last and my reply
S 116 No. 11030/267 of the 13th idem, the Chief Engineer points out that the preparation of the revised Estimate will cause considerable labour, and enquires whether it is really necessary, seeing that the expenditure is not anticipated to be 5 per cent, if anything, in excess of the sanctioned Estimate.

If a revised allocation of excess and savings amongst the various Sub heads is what is required, it will be submitted as early as possible.

I have the honour to be,
Sir,
Your most obedt. Servant

Edwards

for Agent & Manager.

SERIAL No. 119

Form No. 1/A.

No. 1669

Madras, 26 May 1899

From

THE CONSULTING ENGINEER FOR RAILWAYS,

MADRAS,

To

THE AGENT AND MANAGER, M. RY.

Print

Reminders.

Reply No.

dated

SIR,

With reference to your letter No. 11030/543 of 12th May 1899, I have the honour to forward herewith copy of a note by the Examiner of Railway Accounts, Madras and to request that a revised abstract of estimate therein called for may be furnished to this office.

26.5.99.
for E Knigh

Despatched on 26/5/99

26 5-99

C Eub
26/5

120

[Form No. 4.]
[200—15-3-99.]

GOVERNMENT OF INDIA. P. W. DEPARTMENT.

2701
29.5.99

RAILWAY BRANCH.

OFFICE NOTE.

No. 332

OFFICE OF EXAMINER, GUARANTEED RAILWAY ACCOUNTS,

Madras, 26th May 1899.

To E.R.

Print

Please see my remarks on your office note No. 1534 of 15. 5. 99. I find from the final issue of the Extensions budget for 1899-1900 that an excess of Rs 11.588 over the project estimate is anticipated. A revised estimate is therefore necessary; but, as the amount involved is small, the Govt of India would probably not object to its being submitted in abstract only.

S118

This would not take long to prepare and if approved, the Agent and Manager might be asked to furnish a revised estimate in this form at an early date.

FGH 26/5/99

178

188 Print

No. 1709 d/ 31-5-99.

Copy forwarded to AM in continuation of this office letter No. 1669 d/ 26th May 1899 with a request that a revised estimate for the Arcot Ranipet branch may be submitted in the form suggested by CR.

SN 119

30.5.99.
for ER

Despatched on 31/5/99

20 Br 54

Madras Railway
Engineering Department
Revised Abstract of Estimate for Arcot Ranipet Branch

Print

	Description	Proposed Re-allocation		
I	Preliminary Expenses	6,200	"	"
II	Land	16,066	"	"
III	Construction of Line			
	1. Earthwork			
	2. Bridge work			
	1. Minor Bridges	24,000	"	"
	4. Level Crossings &c	4,000	"	"
	5. Fencing	2,000	"	"
IV	Ballast & Permanent way			
	1. Ballasting	6,500	"	"
	2. Permanent way	139,410	"	"
V	Stations and Buildings			
	1. Stations & offices	13,684	"	"
	2. Work shop Store Buildings	"	"	"
	3. Staff Quarters	3,559	"	"
	4. Station machinery	13,400	"	"
VI	Electric Telegraph	2581	"	"
VII	Plant			
	1. Engineering	2,200	"	"
	4. Station & office furniture	1,600	"	"
X	Establishment			
	2. Engineering	13,300	"	"
	5. Stores	500	"	"
	Total Rupees	2,98,000	"	"

Madras Railway
Chief Engineer's office
Madras 12th July 1899.

(Sd) J. W. Ewing
for Chief Engineer.

(No. I.) 5000-15-3-88.

No. 11030
865

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

MADRAS, 17th July 1899.

Print

CONSULTING ENGINEER FOR RAILWAYS
RECEIVED
18 JUL. 1899

C. No. 3667
Recd. 18-7-99

From

The Agent and Manager,
Madras Railway Company,

To

19P

The Consulting Engineer for Railways,
Madras.

SIR,

[S120] With reference to your endorsement No. 1709 of the 31st May last, on copy of a note from the Government Examiner, I have the honour to forward herewith the Revised abstract of Estimate for the Arcot Ranipet Branch working up to Rupees 298,000/.

2. In the absence of actuals for certain items approximate figures have been taken in the Revised abstract now sent.

3. As soon as the accounts are closed a final Statement showing the actual expenditure, on the several subheads will be submitted to you.

I have the honour to be,
Sir,
Your most Obedt. Servant,

Agent & Manager.

Enct.

Form No. 33.

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,

Madras, 19th July 1899.

EXAMINER OF RAILWAY ACCOUNTS, MADRAS
Regr. No. 433
19 JUL 1899
Enclosures.........

No. 2227

OFFICE NOTE.

Letter from the Agent & Manager Mad. Railway, No. 11030/865, dated 17th July 1899, forwarded to the Examiner of Railway Accounts for remarks.

Vbl
19/7/99
for E. R.

1028R

EXAMINER'S REPLY.

The proposed reallocation of the estimate requires the sanction of the Govt. of India vide G. of I No. 620 F AR. of 25-10-92.

A. It is observed that the budget Estimate framed for the current year provides for an outlay of Rs 11588 in excess of the sanctioned project Estimate & of the present reallocated Estimate; but it is presumed that a lapse on the budget to this extent is anticipated.

21.7.99

To A.M. u.o. for favour of a reply to part marked A.

FKS
21/7/99

A saving in the Budget allotment is anticipated

I. S. M.
26/7/99

RECEIVED
27 JUL. 1899

Draft to India govt. explanation as then obtained from A.M.

FKS
27/7

for C.R.

B

Form No. 1/A

PUBLIC WORKS DEPARTMENT,

RAILWAY BRANCH.

Print

Papers to be read in Proceedings:—

G. O. No. 967 R., dated 12th November 1897. 882.

Letter from the Agent, Madras Railway, No. 11030/1168, dated 6th December /98.
" to " " " " No. 3444, dated 13th December 1898.
" from " " " " No. 11030/1213, dated 20th December 1898.
" " " " " " No. 11030/104, dated 26th January 1899.
Memo. " " " " " No. 11030/215, dated 24th February 1899.
Letter to " " " " No. 765, dated 4th March 1899.
" from " " " " No. 11030/267, dated 13th March 1899.
" " " " " " No. 11030/543, dated 12th May 1899.
" to " " " " No. 1669, dated 26th May 1899.
Office Note from the Examiner, Guaranteed Ry. Accounts, No. 332, dated 26th May 1899.
Endorsement by the Consg. Engr. for Rys., No. 1709, dated 31st May 1899.
Letter from Agent, Madras Railway, No. 11030/865, dated 17th July 1899.

ORDER.

No. 885 Ry dated 9/8/99

21P

The Government of India will be addressed.

FWS

R.

7/8/99

R. Form No. $\frac{10}{A}$

No. 886. Ry

Government of Madras,

PUBLIC WORKS DEPARTMENT,

RAILWAY BRANCH.

228

Print

To

THE SECY. TO THE GOVT. OF INDIA,

P. W. DEPARTMENT,

Ooty the 9th Augt 1899.

A.B. & Mr. P.

This should not have been sent up without a G.O. How long have I to go on constantly reminding you about these matters of petty office detail? FWS 3/8/99

SN: 82

SIR,

With reference to your memo No. 1739 R.C. of 21st October 1897 I am directed to forward herewith, for the sanction of the Govt of India, ~~the~~ a revised abstract of ~~the~~ the Estimate for the Coonoor branch, Madras Ry's amounting to Rs 2,98,000 in which the items have been re-allocated.

2. From a perusal of the Budget Estimate for the current year it will be observed that provision for an outlay of Rs 11,588 in excess of the sanctioned project has been made, but it has been ascertained from the Agent & Manager Madras Ry that a saving to this extent in the Budget allotment is anticipated. JEK 2/8/99

Despatched on 9/8/99

3/8/99

1854.

Documents accompanying:-

2. From a general [illegible] Estimate for the current year it [illegible] be observed that provision for [illegible] outlay of Rs 1588 in excess of the [illegible] sanctioned project has been [illegible] but it has been ascertained [illegible] the Agent's [illegible]

JOINT SECRETARY TO GOVT. OF MADRAS RYS.
RECEIVED 1 SEP 1899

All communications should be addressed to the Secretary.

238

No. 1650 R.C.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

RAILWAY CONSTRUCTION.

Print

To

The Joint Secretary to the Government of Madras,
Public Works Department, Railway Branch.

Simla, the 31st August 1899.

Sir,

I am directed to acknowledge the receipt of your letter No. K 886 Railway, dated 9th August 1899, and, in reply to convey the sanction of the Government of India to the re-allocation, under the several heads and sub-heads of account, of the sanctioned project estimate, amounting to Rs. 2,98,000, of the Arcot Ranipet Branch, Madras Railway, as shown in the revised abstract estimate received with your letter under reply.

I have the honour to be,
Sir,
Your most obedient servant,

C. J. Cole

Under Secretary.

Documents accompanying:-
Nil.

ARO1

B.S.V.

A A

Prof reg.

Public Works (1899) Department.

Railway
CURRENT No. 1137.

Read.

Print

G.O. No., 885-6 Ry da 9.8.99
Letter from the Govt of India, No. 1650 R.C. da 31.8.99.

24 P

From The Govt of India

Order - No. 1028 Ry dated 13/9/99 Print
Communicated
to the Agent & Manager,
Madras Railway Company.

No. 1650 R.C.

Dated 31st August 1899
Received 11th Septr 99
Registered — do —
Enclosures
Spare copies

J.W.S.
R
12/9/99

SUBJECT.

Arcot - Ranipet Branch, Rly.

Conveying sanction to the re-allocation under the several heads & sub-heads of account, of the sanctioned project estimate amounting to Rs 2,98,000 of the ——— as shown in the revised abstract estimate.

To AG & Dy Sd in Ins Section in 149
CR
ER

Despatched on 31/10/99

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

RAILWAY.

Government [1899] of Madras.

PUBLIC WORKS.

Press

Please strike 44 copies as correct 60/2

R 20/9/99

Recd. } 1899. *Enclosures*

Regd. *Spare copies*

G.O., No. 1028 Ry., 13th September 1899.

SEPTEMBER.

27

Arcot-~~Ranipet~~ Branch of the Madras Railway

Communicating to the Agent and Manager sanction of the Government of India to the re-allocation, under the several heads and sub-heads of account, of the sanctioned estimate, amounting to Rs. 2,98,000, of the — as shown in the revised abstract estimate.

Please strike 60 Cop

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following papers :—

From—The Secy. to the Govt. of India, P.W. Dept.
To—The Joint Secy. to the Govt. of Madras, P.W. Dept., Ry. Branch.
Dated—Simla, 21st October 1897, No. 1739 R.C.

The undermentioned paper is forwarded to the Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, for information, with reference to his letter No. 467 R., dated 15th July 1897.

His Excellency the Right Hon'ble ~~The~~ Governor General of India in Council

ENCLOSURE No. 1.

Despatch from—~~The Government of India, Public Works Department.~~
To—The Right Honourable Her Majesty's Secretary of State for India.
Dated—Simla, 14th October 1897, No. 103, Railway.

We have the honour to forward a letter from the Government of Madras, No. 467 R., dated 15th July 1897, submitting the detailed project for the construction of the proposed Arcot-Ranipet Branch of the Madras Railway, 4·35 miles in length.

2. It will be observed that the estimate amounts to Rs. 2,58,065, being at the rate of Rs. 59,325 per mile. It excludes, however, provision for certain alterations at the junction station at Arcot which have been suggested by the Consulting Engineer, Madras, and carried out in the plans, as well as provision for an engine shed, water column and piping. The cost of these additions is estimated at Rs. 7,894. On the other hand, savings are anticipated on account of earthwork and bridging which will about cover the excess. The estimate as submitted may, therefore, be accepted for Rs. 2,58,065, as sufficient to meet the cost of construction if exchange be taken at the Madras Railway contract rate of 1*s*. 10*d*. per rupee.

3. After considering the alternative methods for financing this branch, we have arrived at the conclusion that the simplest plan will be to let the Madras Railway Company raise the capital for it under the same terms as have lately been proposed for the Bombay, Baroda and Central India Railway Company (*vide* our despatch No. 81 Ry., dated 4th August 1897), viz., that the capital is converted at the prescribed or average rate of exchange and that the same rate is applied to the interest thereon. This will not involve keeping separate revenue accounts, but the capital so raised and the interest thereon will be dealt with separately. If this be accepted, the estimate will amount to Rs. 2,98,000 as detailed in the abstract enclosed.

4. It appears from the statistics of traffic that the whole of the traffic which is now received at Arcot station is for Arcot town, and the gross earnings from the existing traffic are placed at Rs. 24,028, excluding the traffic expected from and guaranteed by the Arcot sugar works. Taking the working expenses at 50 per cent., the net earnings will amount to Rs. 12,014 or over 4 per cent. on the estimated cost of Rs. 2,98,000.

5. This branch was considered at the railway conference which has just concluded its sittings at Simla under the Presidency of His Excellency the Viceroy, and was classed as an urgent project, the construction of which should not be delayed as it would considerably facilitate the working of the traffic of the existing Madras Railway and we would accordingly now ask that the necessary communication may be made to the Board of the Madras Railway Company with a view to their acceptance of the terms proposed and to a settlement of the details necessary to give effect to the proposed arrangement. We would at the same time be glad to receive your Lordship's sanction to the project and to the estimate for its construction amounting to Rupees 2,98,000.

MADRAS RAILWAY.

ARCOT-RANIPET BRANCH.

ABSTRACT estimate of the cost of construction, 5′ 6″ gauge, 4·35 miles in length.

Heads of Account.	Total cost.	Cost per mile.	Remarks.
	RS.	RS.	
I.—Preliminary expenses	1,214	279	
II.—Land	4,593	1,056	
III.—Formation—			
1. Earthwork	32,360	7,501	
IV.—Bridgework—			
1. Large bridges	..	..	
2. Minor bridges	18,937	4,353	
V.—Fencing, &c.	5,096	1,171	
VI.—Electric telegraph	2,984	686	
VII.—Ballast and permanent-way—			
1. Ballast	17,598	4,045	
2. Permanent-way	1,34,647	30,953	
VIII.—Stations and buildings—			
1. Stations and offices ..	14,460	3,324	
2. Workshops, store buildings, &c.	404	93	
3. Staff quarters	2,071	476	
4. Station machinery ..	8,914	2,049	
IX.—Plant	3,717	854	
X.—Ferries	..	..	
XI.—Rolling-stock	..	..	
XII.—General charges	10,800	2,482	
Total ..	2,58,065	59,322	
Add—			
For difference in exchange on expenditure in England between the rates at 1*s*. 10*d*. and current rates	39,935	..	
Grand Total ..	2,98,000	68,502	

Order—No. 967 R., dated 12th November 1897.

Recorded.

~~Read again the following papers:—~~

~~G.O., No. 53 R., dated 10th January 1898.~~

~~Read the following paper :—~~

Telegram from—The Secretary to the Govt. of India, P.W. Dept.
To—The Joint Secretary to the Govt. of Madras, P.W. Dept., Ry. Branch.
Dated—Calcutta, 8th January 1898, No. 32 R.C.

My 1739 R.C., 21st October 1897. Estimate for Arcot-Ránipet branch sanctioned. What cash grant could be economically spent this financial year?

Order—No. 53 R., dated 10th January 1898.

Communicated to the Agent and Manager, Madras Railway, for information and favour of very early report.

~~G.O., No. 115 R., dated 21st January 1898.~~

~~Read the following paper :—~~

From—The Secretary to the Govt. of India, P.W. Dept.
To—The Joint Secretary to the Govt. of Madras, P.W. Dept., Ry. Branch.
Dated—Calcutta, 12th January 1898, No. 43 R.C.

The under-mentioned papers are forwarded to the Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, for information in continuation of Government of India telegram, No. 32 R.C., dated 8th January 1898.

Enclosure No. 1 ~~to the above.~~

Despatch from—The Right Hon'ble the Secretary of State for India.
To—His Excellency the Right Hon'ble the Governor-General of India in Council.
Dated—India Office, London, 9th December 1897, No. 118 Ry.

I have had under my consideration in Council the letter of your Excellency's Government in the Public Works Department (Railway), No. 103 of the 14th October 1897, relative to the detailed project for the construction of the proposed Arcot-Ránipet branch of the Madras Railway, 4·35 miles in length.

2. You propose that the Madras Railway Company should raise the capital for the construction of this branch, and that the capital be converted at the prescribed or average rate of exchange and that the same rate be applied to the interest thereon. This will not involve keeping separate accounts, but the capital so raised and the interest thereon will be dealt with separately.

3. These terms have been offered to and accepted by the Madras Railway Company, as you will observe from the enclosed correspondence *.

4. On these conditions the estimate will amount to Rs. 2,98,000.

5. The necessary steps will now be taken to give effect to the arrangement, and I accord my sanction to the project and to the construction estimate of Rs. 2,98,000.

* Letter to Railway Company, dated 16th November 1897.
Letter from Railway Company, dated 29th November 1897, No. 8091.

Enclosure No. 2 ~~to the above.~~

From—The Under Secretary of State for India.
To—The Secretary, Madras Ry. Co.
Dated—India Office, 16th November 1897, No. 2035 P.W.

I am directed by the Secretary of State for India in Council to acquaint you, for the information of the Directors of the Madras Railway Company, that the Government of India have forwarded the detailed project for the construction of the proposed Arcot-Ránipet branch of the Madras Railway, 4·35 miles long.

2. It is proposed that the Madras Railway Company should raise the capital for the construction of this branch, and that the capital be converted at the prescribed or average rate of exchange, and that the same rate be applied to the interest thereon. This will not involve keeping separate Revenue accounts, but the capital so raised and the interest thereon will be dealt with separately.

3. If these conditions be accepted, the estimate will amount to Rs. 2,98,000 as detailed in the abstract enclosed.

4. Taking the working expenses at 50 per cent., the net earnings will amount to Rs. 12,014 or over 4 per cent. on the estimated cost of Rs. 2,98,000.

5. I am instructed to inquire whether the Madras Railway Company are prepared to undertake the construction of this branch on these terms.

Enclosure No. 3 ~~to the above.~~

From—The Secretary, Madras Ry. Co.
To—The Under Secretary of State for India.
Dated—61, New Broad Street, London, E.C., 29th November 1897, No. 8091.

I am directed to acknowledge the receipt of your letter, No. 2035 P.W., dated 16th instant, and to state in reply that the Board accept the terms upon which it it is proposed that the Madras Railway Company should undertake the construction of the Arcot-Ránipet branch.

It is understood that the money required for expenditure in England will be provided from the balance in the hands of the Secretary of State of the debentures recently issued at 2½ per cent., and that the sums so expended will be converted at the prescribed or average rate of exchange.

The interest on the total capital expended, and any balance of net earnings on the branch line, to be also calculated at the same rate of exchange.

Order—No. 115 R., dated 21st January 1898.

The Agent and Manager, Madras Railway Company, is authorized to be prepared to start work as soon as the necessary allotment of grant has been authorized. The Revenue authorities will be instructed to arrange for the very early acquisition of the land.

~~Read also the following papers :—~~

From—The Agent and Manager, Madras Ry.
To—The Consulting Engineer for Rys.
Dated—Madras, 17th January 1898, No. 8314/45.

Order—No. 126 R., dated 24th January 1898.

Ordered that the following telegram be despatched to the Government of India :—

"6 B. Your telegram numbered and dated as follows, 32 R.C., 8th instant. Rs. 13,789 can be spent current financial year on Arcot-Ranipet branch as follows: Preliminary expenses 1,214, Land 2,000, Formation 5,619, Bridgework 3,156, General charges (Establishment) 1,800. Modifications necessary for the current financial year and for the next financial year on Madras Railway capital will follow."

2. The Agent and Manager, Madras Railway, is requested to report what funds will be required for 1898–99 in view to the modifications necessary in the revised and budget estimates of the Madras Railway for 1897–98 and 1898–99 being intimated to the Government of India.

Telegram from—The Secretary to the Govt. of India, P.W Dept.
To—The Joint Secretary to the Govt. of Madras, P.W. Dept., Ry. Branch.
Dated—Calcutta, 28th January 1898, No. 140 R.C.

Your telegram numbered and dated as follows, 6 B., 20th instant. Expenditure on Arcot-Ránipet branch may be incurred up to Rs. 14,000 during current financial year. Formal allotment of funds will be made in connection with revised estimate for Madras Railway.

Order—No. 175 R., dated 1st February 1898.

Communicated to the Agent and Manager, Madras Railway, for information.

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 6th December 1898, No. 11030/1168.

I have the honour to forward, herewith, for your information, copy of a letter from the Company's Chief Engineer, No. A.R. 7066/916 of the 2nd instant, together with the schedule of establishment referred to therein.

Under the circumstances explained, I shall be obliged if you will kindly communicate to me the sanction of Government to the establishment list for the Arcot-Ranipet Branch, amounting to Rs. 3,588 at an early date.

Enclosure No. 1.

From—The Chief Engineer, Madras Railway.
To—The Agent and Manager, Madras Railway.
Dated—Madras, 2nd December 1898, No. A.R. 7066/916.

Arcot-Ranipet Branch.

[Your No. 11030/11409 of 2nd ultimo.]

51 It is anticipated that the estimate for Rs. 2,58,065, sanctioned under G.O. No. 115 Ry., dated 21st January 1898, will be exceeded by the following amount :—

	RS.
Formation	4,000
Ballast and permanent-way	3,000
Fencing, &c.	1,000
General charges	3,588
Total ...	11,588

2. As the total of this excess is under 5 per cent., it is not intended to submit a revised estimate in accordance with G.O., No. 3009 W., dated 24th October 1889, but in view of the great delay which has occurred in the receipt of permanent-way materials from England and also in consequence of the prevailing inclemency of the weather, the completion of the construction has been unexpectedly extended beyond the sanctioned period.

3. It is therefore thought desirable to provide for establishment up to 28th February 1899, and I herewith enclose an establishment schedule for Rs. 3,588 to which I should be much obliged if you will obtain the immediate sanction of the Consulting Engineer.

4. I desire to offer the following explanation for the excess on the other sub-heads :—

Earthwork.—Is due to heavy settlement and scouring which has been caused by the incessant rain and, in consequence of rock in side pits, which has necessitated the leading of earth from long distances, together with failure and delays on the part of contractors and the consequent carrying out of the work by day labour at higher rates.

Ballast.—The extra provision is necessary to meet the higher rates which are now being demanded for the supply of suitable ballast.

Level-crossings.—These are required on account of culverts which had not been estimated for in connection with level-crossings in Ranipet station-yard and partly in consequence of anticipated excess on the over-bridge at Ranipet.

ENCLOSURE.

Arcot-Ranipet Branch.

ESTABLISHMENT from 16th November 1898 to 28th February 1899.

Class.	Number.	Monthly pay.	Monthly allowances.	Total per month.	Numbers of months.	Total amount.
		RS.	RS.	RS.		RS.
Assistant Engineer	1	450	120	570	3½	1,995
Upper Subordinate	1	150	30	180		630
Overseer	1	50	..	50		175
Head Clerk	1	40	..	40		140
Assistant Clerks	2	40	..	40		140
Tracer	1	20	..	20		70
Storekeeper	1	20	..	20		70
Time-kepeer	1	15	..	15		53
Watchers, peons, lascars and trollymen ..	12	90	..	90		315
Total ..		875	150	1,025	..	3,588

From—The Consulting Engineer for Railways, Madras.
To—The Agent and Manager, Madras Railway.
Dated—Madras, 13th December 1898, No. 3444.

With reference to your letter No. 11030/1168, dated 6th December 1898, I have the honour to request that you will submit, for the sanction of the Government of India, proposals for a redistribution of the amount over the several main heads, as the orders contained in G.O., No. 3009 W., dated 24th October 1889, quoted by the Chief Engineer, do not refer to excesses over main and sub-heads of project estimates for railways (*vidè* G.O., No. 1129 R., dated 25th August 1893, copy attached).

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 20th December 1898, No. 11030/1213.

Referring to your letter No. 3444 of the 13th instant, I have the honour to inform you that the Chief Engineer informs me he does not anticipate there will be any savings on other main heads of the Arcot-Ranipet project estimate, and he is therefore unable to redistribute the estimated excess under—

Earthwork, | Level-crossings,
Ballast, | Establishment,

in the manner suggested by you.

If under the circumstances the submission of a complete revised estimate is necessary, I beg to suggest that it be delayed till construction is nearer completion, when the Chief Engineer will be in a better position than he is at present to say exactly what the expenditure under each main head of the sanctioned estimate is likely to be. Meanwhile, I shall be glad if you will give provisional sanction to the establishment for the Arcot-Ranipet branch.

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 26th January 1899, No. 11030/104.

With reference to your telephone message of the 6th instant, I have the honour to state that the Chief Engineer informs me that the accounts of the Arcot branch have now been brought up to date, and instead of an excess over the project estimate, it is anticipated that there will be a saving, in which case excess expenditure on sub-heads can be re-allocated to savings under other sub-heads as was done on the Ennur branch.

2. The Chief Engineer also expresses the opinion that a responsible officer is more needed at the finishing up of a work like this than at any other time, and further that there is ample employment to fully occupy Mr. Gale's services up to the end of March, by which date it is anticipated the branch will be ready for opening.

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 24th February 1899, No. 11030/215.

The undersigned has the honour to request the favour of an early reply to his letter No. 11030/1213, dated 20th December 1898, on the subject of establishment for the Arcot-Ranipet branch.

From—The Consulting Engineer for Railways, Madras.
To—The Agent and Manager, Madras Railway.
Dated—4th March 1899, No. 765.

With reference to your No. 11030/215, dated 24th February 1899, I have the honour to invite your attention to your letter No. 104, dated 26th January 1899, in which it is stated that the excess expenditure on sub-heads can be re-allocated to savings under other sub-heads as was done on the Ennur branch. I therefore request that a revised estimate for the Arcot-Ranipet branch may be submitted as early as possible.

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 13th March 1899, No. 11030/267.

With reference to your letter No. 765, dated the 4th instant, I have the honour to inform you that a revised estimate for the Arcot-Ranipet branch will be submitted as soon as possible. As pointed out in my letter of the 26th January last, no excess over the total of the estimate is anticipated, and the Chief Engineer states the re-allocation of excess expenditure on sub-heads to savings on other sub-heads can only be satisfactorily completed towards the close of the work.

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 12th May 1899, No. 11030/543.

With reference to your letter No. 765 of the 4th March last, and my relpy No. 11030/267 of the 13th idem, the Chief Engineer points out that the preparation of the revised estimate will cause considerable labour, and enquires whether it is really necessary, seeing that the expenditure is not anticipated to be 5 per cent., if anything in excess of the sanctioned estimate.

If a revised allocation of excess and savings amongst the various sub-heads is what is required, it will be submitted as early as possible.

From—The Consulting Engineer for Railways, Madras.
To—The Agent and Manager, Madras Railway.
Dated—26th May 1899, No. 1669.

With reference to your letter No. 11030/543, dated 12th May 1899, I have the honour to forward, herewith, copy of a note by the Examiner of Railway Accounts, Madras, and to request that a revised abstract of estimate therein called for may be furnished to this office.

Enclosure.

Office-note from—The Examiner, Guaranteed Railway Accounts, Madras.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 26th May 1899, No. 332.

Please see my remarks on your office-note, No. 1534, dated 15th May 1899. I find from the final issue of the extensions budget for 1899–1900 that an excess of Rs. 11,588 over the project estimate is anticipated. A revised estimate is therefore necessary; but, as the amount involved is small, the Government of India would probably not object to its being submitted in abstract only.

This would not take long to prepare and, if approved, the Agent and Manager might be asked to furnish a revised estimate in this form at an early date.

Endorsement by the Consulting Engineer for Railways, Madras, dated 31st May 1899, No. 1709.

Copy forwarded to the Agent and Manager, Madras Railway, in continuation of this office letter No. 1669, dated 26th May 1899, with a request that a revised estimate for the Arcot-Ranipet branch may be submitted in the form suggested by the Examiner, Guaranteed Railway Accounts.

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Madras, 17th July 1899, No. 11030/865.

With reference to your endorsement No. 1709 of the 31st May last, on copy of a note from the Government Examiner, I have the honour to forward, herewith, the revised abstract of estimate for the Arcot-Ranipet branch working up to Rs. 2,98,000.

2. In the absence of actuals for certain items, approximate figures have been taken in the revised abstract now sent.

3. As soon as the accounts are closed, a final statement showing the actual expenditure on the several sub-heads will be submitted to you.

Enclosure.

Revised Abstract of Estimate for Arcot-Ranipet Branch.

Description.		Proposed re-allocation.
I. Preliminary expenses	Rs.	6,200
II. Land	,,	15,066
III. Construction of line—		
1. Earthwork	,,	...
2. Bridge-work	,,	...
3. Minor bridges	,,	24,000
4. Level-crossings, &c.	,,	4,000
5. Fencing	,,	2,000
IV. Ballast and permanent-way—		
1. Ballasting	,,	6,500
2. Permanent-way	,,	1,39,410
V. Stations and buildings—		
1. Stations and offices	,,	13,684
2. Workshop store buildings	,,	...
3. Staff quarters	,,	3,559
4. Station machinery	,,	13,400
VI. Electric telegraph	,,	2,581
VII. Plant—		
1. Engineering	,,	2,200
4. Station and office furniture	,,	1,600
X. Establishment—		
2. Engineering	,,	13,300
5. Stores	,,	500
	Total Rs.	2,98,000

Order—No. 885 Ry., dated 9th August 1899.

The Government of India will be addressed.

From—The Joint Secretary to the Government of Madras, P.W. Dept., Ry. Branch.
To—The Secretary to the Government of India, Public Works Department.
Dated—Ootacamund, 9th August 1899, No. 886 Ry.

With reference to your Memo. No. 1739 R.C., dated 21st October 1897, I am directed to forward, herewith, for the sanction of the Government of India, a revised abstract of the estimate for the Arcot branch, Madras Railway, amounting to Rupees 2,98,000, in which the items have been re-allocated.

2. From a perusal of the budget estimate for the current year, it will be observed that provision for an outlay of Rs. 11,588 in excess of the sanctioned project has been made, but it has been ascertained from the Agent and Manager, Madras Railway, that a saving to this extent in the budget allotment is anticipated.

Read also the following paper:—

From—The Secretary to the Government of India, Public Works Department.
To—The Joint Secretary to the Government of Madras, P.W. Dept., Ry. Branch.
Dated—Simla, 31st August 1899, No. 1650 R.C.

I am directed to acknowledge the receipt of your letter No. 886 Ry., dated 9th August 1899, and, in reply, to convey the sanction of the Government of India to the re-allocation, under the several heads and sub-heads of account, of the sanctioned project estimate, amounting to Rs. 2,98,000, of the Arcot-Ranipet branch, Madras Railway, as shown in the revised abstract estimate received with your letter under reply.

Order—No. 1028 Ry., dated 13th September 1899.

Communicated to the Agent and Manager, Madras Railway Company.

(True Extract.)

Under Secretary.

To the Agent and Manager, Madras Railway Company.
" Examiner, Railway Accounts.
" Consulting Engineer for Railways.

Exd. A. Rungasawmy Aiyangar.