

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

26th March 1878. No. 287 R.

Railway.

Read the following papers:—

No. 157. Endorsement of the Consulting Engineer for Railways, dated Madras, 2nd March 1878, No. 100.

From R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, to the Consulting Engineer for Railways, dated Madras, 9th January 1878, No. 34.

In acknowledging the receipt of your letter of the 8th ultimo, No. 1,645, I have the honor to inform you that I have communicated to the Board of Directors the opinion which has been expressed by the Governor-General in Council that the only charge which can be admitted against "Famine" on account of the earthwork of the double line between Ambatoor and Arcotum is the excess cost due to the employment of famine labor.

2. I have however received the following communication from the Chief Engineer upon the subject:—

"I regret to find that a wrong figure was quoted in my letter, No. 776, of the 31st of August, Rupees 66,747-8-10, the mere cost of labor was given instead of Rupees 78,111-2-8, the cost of the work, as will be seen from the accompanying statement. The amount therefore which Government would admit as a charge against famine should be Rupees 26,648-2-8 instead of Rupees 15,285. I learn however from the Resident Engineer that although the earthwork was estimated at 3 Annas a yard he could have got it done by contract for Annas 2, and that 1 Pie would cover cost of superintendence. I think therefore that the amount to be refunded to us should be Rupees 47,285-6-2, the difference between the actual cost Rupees 78,111-2-8 and the cost calculated at Annas 2-1 per yard Rupees 30,825-12-6."

3. I enclose the statement referred to by Mr. Robinson, and request that you will be so good as to submit the above for the orders of His Grace the Governor in Council.

MADRAS RAILWAY.

STATEMENT showing the Expenditure incurred in carrying out the Earthwork between Trivellore and Arcunum by relief labor.

Particulars.	Amount.	Total.
	RS. A. P.	RS. A. P.
Labor	66,747 8 10	
Tools, materials and printing ticket books	15,085 11 1	
Pay of Inspectors, Assistants, Time-keepers, Maistries, Watchers, Cash-keepers, Peons, &c.	4,360 11 1	
Salary and batta of Engineering Assistant	618 0 0	
Deduct the value of tools remaining in hand.		86,811 15 0
Shovels No. 200 each 0 10 6	131 4 0	
Crow-bars " 1,133 " 2 5 11	2,684 15 7	
Do., repairable " 80 " 2 2 1	170 6 8	
Jumpers, iron, for crow-bars. " 649 " 1 0 7	672 10 7	
Do., repairable " 138 " 0 14 11	128 10 6	
Pick-axes " 2,400 " 1 1 1	2,562 8 0	
Do., repairable " 92 " 0 8 7	49 5 8	
Mamooties " 2,209 " 1 0 4	2,255 0 4	
Do., repairable " 90 " 0 8 2	45 15 0	
Deduct the cost of earthwork if done by contract, cubic yards " 236,742 " 0 2 1		8,700 12 4
		78,111 2 8
		30,825 12 6
Extra Outlay		47,285 6 2

MADRAS,
19th December 1877.(Signed) W. R. ROBINSON,
Chief Engineer.(Signed) R. B. ELWIN,
Agent and Manager.

No. 56.

FORWARDED to the Examiner of Railway Accounts for verification and report.

15th January 1878. (Signed) J. H. M. SHAW-STEWART, Colonel, R.E.,
Consulting Engineer for Railways.

MEMORANDUM.

No. 157 A.

No. 223.

WITH reference to Consulting Engineer's No. 56, dated 15th January 1878, has the honor to return letter No. 34, dated 9th idem, from Agent and Manager, Madras Railway Company, with the statement of expenditure incurred in carrying out the earthwork for doubling line between Trivellore and Arcunum by relief labor, with the following remarks:—

2. The items of expenditure shown in the statement have been compared with the expenditure brought to account in the Company's books and found to agree. The net expenditure of Rupees 78,111-2-8 shown may therefore be accepted as correct. With reference to the deduction of Rupees 30,825-12-6 made on account of proportion of expenditure chargeable to the Company's Capital Account, the Chief Engineer has explained that the work done by the relief labor employed was merely the first formation of earthwork, and that a good deal of expenditure has since been incurred in dressing the slopes, making good settlement in the embankment, and repairing injury caused by the heavy rains in October and November last, and that all such extra work was intended to be included in the rate of 3 Annas per cubic yard

entered in the estimate. The rate of 0-2-1 per cubic yard seems fair for the kind of work done, taking into consideration the rates usually paid for earthwork during construction.

MADRAS,
13th February 1878.(Signed) P. LAMBERT, Major, R.E.,
Examiner, Railway Accounts.

To the Consulting Engineer for Railways, Madras.

SUBMITTED for the orders of the Government of India, with reference to their letter, dated 8th November 1877, No. 4,108 R, printed in Proceedings of this Government under date 27th November 1877, No. 704 R.

2. The Agent and Manager, Madras Railway, points out that the net cost, including establishment and tools, of the earthwork executed by famine labor in doubling the line between Trivellore and Arcunum was Rupees 78,111-2-8, instead of Rupees 66,747-8-10, which was the amount paid for labor only. Deducting the total amount of the estimate, Rupees 51,463, the balance remaining to be paid from "Famine" funds becomes Rupees 26,648-2-8.

3. In the estimate, copy of which is annexed, a rate of 3 Annas is allowed for earthwork; but it is explained that this is intended to cover the cost of keeping up the bank for a certain time, and making good any sinkage by consolidation; and the Chief Engineer is of opinion that a fair rate for simply throwing up the earth would be 2 Annas 1 Pie. Taking this rate, the amount to be charged to the Capital Account of the Railway would be Rupees 30,825-12-6, and the balance debitable to "Famine" Rupees 47,285-6-2.

(Signed) J. H. M. SHAW-STEWART, Colonel, R.E.,
Consulting Engineer for Railways.

No. 158.

ORDER THEREON, 26th March 1878, No. 287 R.

ORDERED to be forwarded to the Government of India.

(Here enter No. 288 R, dated 26th March 1878.)

(True Extract.)

(Signed) J. H. M. SHAW-STEWART, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Railway Branch.To the Consulting Engineer for Railways.
" Examiner of Railway Accounts.• *Recd (Famine) Dept*

Exd. E C. Shunker.

Spare Copies

RAILWAY.

Gobt. of (1878) Madras.
PUBLIC WORKS.

To

THE CONSULTING ENGINEER
FOR RAILWAYS.
&c., &c., &c.

Dated March 26th.

Issued

Recd.

Encl.

G. O., 26th March 1878, No. 287 R.

MARCH.

Nos. 157-158.

*Doubling the Madras Railway line between
Ambatoor and Arconum.—The Government
of India informed of the correct incidence
of the cost of the earthwork in —.*

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

19th July 1878, No. 692 R.

Railway.

Read the following paper :—

No. 121. From Lieutenant-Colonel E. C. S. WILLIAMS, R.E., Officiating Deputy Secretary to the Government of India, Public Works Department (Railway), to the Secretary to the Government of Madras, Public Works Department (Railway), dated Simla, 25th June 1878, No. 2,612 R.

In continuation of Public Works Department No. 23 R, dated the 3rd January 1878, I am directed to forward herewith, for information and guidance, copy of a despatch from the Secretary of State, No. 46 (Railway), of 18th April 1878, and of its enclosures, relative to the incidence of cost of the following works on the Madras Railway :—

I. Doubling the line between Perambore and Ambatoor.

II. Earthwork involved in the doubling of the section between Ambatoor and Arconum,
and to state that the Government of India accepts the cost of the last-named work as a charge against Famine.

2. The sanction accorded in Public Works Department No. 1,856 R, dated the 15th May 1878, allowing Rupees 30,826 to be charged to Capital should therefore be considered as cancelled.

3. The write back of the amount expended against the Revenue sanction for doubling the line between Perambore and Ambatoor by debit to Capital should now be carried out.

Despatch from the Right Honorable the Secretary of State for India, to His Excellency the Right Honorable the Governor-General of India in Council, dated India Office, London, 18th April 1878, No. 46 (Railway).

I HAVE received and considered in Council your Excellency's letter of the 16th January last, No. 7, relative to the incidence of cost of certain works on the Madras Railway, viz., that of the doubling of the line between Perambore and Ambatoor, and that of the earthwork involved in the doubling of the section between Ambatoor and Arconum.

2. The former of these works was undertaken in the first instance for the transport of materials required for the Madras Harbour Works, and, considering the extent to which Revenue was expected to benefit thereby, there may have been at one time reasonable ground for deciding that Revenue should bear the cost of the work. But after the small piece of line thus doubled became a portion of a much more extensive doubling, subserving general objects, the same reason no longer existed; and the Railway Board have, on this account, agreed that the cost in question shall be transferred to Capital. A copy of the correspondence* on the subject, with the Board, is sent herewith.

* Letter from the Madras Railway Company, No. 5,390, of 8th February 1878.
Do. to do., dated 21st March 1878.
Do. from do., dated 26th March 1878, No. 5,403.
Do. to do., dated 17th April 1878.

3. The case of the further doubling to Arconum is of a different character. Urgency for this work arose out of the famine of last year, and the Madras Government originally proposed that the earthwork should be executed by famine relief labor, at the expense of the State; and it was not until some weeks after an arrangement to that effect had been made with

the Railway Company, that the Madras Government directed the cost of the earthwork, as well as all other expenditure on the line, to be debited to Capital, with the exception of any extra outlay occasioned by the employment of famine labor.

4. Under any circumstances, I should have hesitated to press this later arrangement on the Company, and there is one fact connected with the case which will prevent your Government from wishing me to do so, inasmuch as the Company incurred an extra expense of about 9,000% by sending out the permanent-way materials required, by way of the Canal, instead of round the Cape, which latter route would have been adopted in ordinary course, and if the work had not been regarded by them as undertaken for the relief of famine.

From JULIAN BYRNE, Esq., Secretary, Madras Railway Company, to the Under Secretary of State for India, dated 33, New Broad Street, London, E.C., 8th February 1878, No. 5,390.

I AM directed by the Board to bring to the notice of the Secretary of State the following particulars relative to the cost of the earthwork for doubling the line between Trivellore and Arconum.

On the 8th January 1877 the Government Consulting Engineer, in writing to the Agent and Manager, requested that the Company's Chief Engineer would state "whether, in addition to embankments for the protection of large bridges, there are other shapes in which earthwork could be executed by relief labor to the advantage of the railway," and on the 17th idem the Agent and Manager submitted a list of proposed relief-works prepared by the Chief Engineer, and called Colonel Shaw-Stewart's special attention to the first work mentioned in the list, viz., "doubling the railway embankment from Trivellore to Arconum," and expressed the hope that he would be able to recommend the immediate construction of the earthwork with "famine labor."

By his letter of the 7th February, the Consulting Engineer informed the Agent and Manager that His Grace the Governor in Council had "sanctioned the immediate execution by the Company's agency of works Nos. 1 and 8 in the list submitted by the Chief Engineer," and in the Proceedings of Government, No. 370, of the 3rd February 1877, which accompanied the Government Consulting Engineer's letter last referred to, is recorded an expression of his opinion that "the doubling of the earthwork may now be fully undertaken as a relief-work."

In his communication, dated 17th January 1877, to the Government Consulting Engineer, embodied in the Proceedings of the Madras Government, No. 737, dated 3rd March 1877, the Agent and Manager requests to be informed whether the Government propose to place funds at the disposal of the Company for carrying out the work, as was done in the case of the famine relief-works at the Cheyair river, and the order of Government of the last-mentioned date is to the effect that His Grace the Governor in Council approves of the doubling of the earthwork being carried out by "relief labor," and states that "arrangements will at once be made for the amount of the estimate, viz., Rupees 51,463, being placed at the disposal of the Company by the Collectors of Chingleput and North Arcot, for the purpose of carrying out the work."

It will doubtless be within the recollection of the Secretary of State that the Board, for the reasons explained to him in their letter, No. 3,091, dated 4th June 1875, were averse to the then proposed doubling of the line to Arconum. On the receipt, however, in February last, of a telegram from the Agent and Manager, stating that the work in question had been sanctioned, the Directors, in the altered circumstances, at once notified to the Agent and Manager their approval of its being carried out, and took immediate steps for obtaining the requisite permanent-way materials; and in view to meet the urgent wishes of the Government of India and hasten to the utmost the opening of the double line, for the purpose of conveying larger supplies of food-grains to the famine-stricken districts, the Board did not for a moment hesitate to send the whole of these permanent-way materials to Madras by steamer, *via* the Suez Canal, for this purpose cancelling some of their existing arrangements for freight, and incurring altogether an expenditure of not less than 9,000% beyond what would have been the cost of sending the materials in question by sailing vessels.

The Board were disappointed to learn from Order of Government, No. 1,412, dated 24th April 1877, that His Grace the Governor in Council, in supersession of the arrangements ordered in paragraphs 1 and 4 of the Order of Government, No. 737, dated 3rd March 1877, "now directs that the doubling of the earthwork on the Madras Railway between Ambatoor and Arconum shall be carried out by relief labor, under the direction of the Railway Engineers, and paid for out of the Company's funds, drawn in the usual manner," the extra expenditure involved in carrying out the work by relief labor being refunded to the Company.

The Directors, therefore, addressed the Agent and Manager with reference to the above, in their letter, No. 600, dated 15th June 1877, and expressed their hope that His Grace the Governor would, for the reasons urged, reconsider the subject, and sanction the cost of the

work being charged to famine expenditure. The views of the Board contained in the letter above quoted were duly submitted to the Madras Government, by whom the question was referred to the Government of India, and from the Proceedings of the Madras Government, No. 704 R, of the 27th November last, the Board regret to observe that, in the opinion of the Governor-General in Council, the only charge which can be admitted against "famine" on this account, is the excess cost of the work due to the employment of famine labor.

Whatever may be the present opinion of the Madras Government as to the manner in which the cost of the work in question should be dealt with, there can be no doubt that it was originally intended that it should be debited to famine expenditure, and as, in the circumstances, the Board see nothing unreasonable in such an arrangement, they request that the Secretary of State will be pleased to give the foregoing facts his consideration, and they venture to hope that he will concur in their views, and communicate with the Government of India accordingly.

From Sir LOUIS MALLET, Under Secretary of State for India, to the Secretary, Madras Railway Company, dated India Office, 21st March 1878.

I AM directed by the Marquis of Salisbury to transmit herewith copy of a letter from the Government of India (Railway), No. 7, dated 15th January last, relative to the incidence of the cost of doubling portions of the Madras Railway.

2. It will be seen that Government propose to transfer as a charge against Capital the sanction for Rupees 1,86,977, previously accorded against Revenue, for doubling the section between Perambore and Ambatoor.

3. The Secretary of State is of opinion that this is reasonable and advisable. That which was a fragmentary section of double line undertaken for a special object, at an expense to be specially met, has now become a part of a much more extensive double line subserving general objects, and the cost of construction should, in Lord Salisbury's opinion, fall upon Capital, like that of the remainder of the line of which it is a part, and no longer an exceptional part.

4. But as the transfer involves a rescission of orders already given and accepted by the Board, His Lordship thinks it right to request an official statement of their views before issuing orders in conformity with the request of the Government of India.

From JULIAN BYRNE, Esq., Secretary, Madras Railway Company, to the Under Secretary of State for India, dated 33, New Broad Street, London, E.C., 26th March 1878, No. 5,403.

I HAVE the honor to acknowledge the receipt of your communication of the 21st instant, transmitting copy of a letter, No. 7, dated 15th January last, from the Government of India, who, it is observed, proposed to transfer, as a charge against Capital, the sanction for Rs. 1,86,927 previously accorded against Revenue, for doubling the section between Perambore and Ambatoor, adding that the Secretary of State is of opinion that this is reasonable and advisable, and requesting an official statement of the Board's views upon the subject.

2. In reply, I am instructed to state that the Directors consider that, as the amount in question has not only been already embodied in the Revenue Accounts and passed by the proprietors, but they were specially informed in the report submitted in the meeting held on the 12th June last of the fact of the expenditure being charged against Revenue, it would have been better not to disturb the arrangement, but they, nevertheless, in deference to the wishes of the Secretary of State, will not object to the proposed transfer, and will instruct their Agent and Manager at Madras accordingly.

From Sir LOUIS MALLET, Under Secretary of State for India, to the Secretary, Madras Railway Company, dated India Office, 17th April 1878.

I AM directed by the Secretary of State for India to acknowledge receipt of your letters of the 8th February, No. 5,390, and 26th March, No. 5,403, relative to the incidence of cost of certain works in connection with the doubling of the Madras Railway between Perambore and Arconum; and, in reply, to express satisfaction at the Board's assent to the proposal to transfer to Capital the cost of doubling the line between Perambore and Ambatoor. In regard to the cost of the earthwork of the further doubling to Arconum, I am to observe that, in view of all the circumstances of the case, the Secretary of State does not desire that the original arrangement under which that portion of the work was sanctioned as a famine relief-work, at the expense of the State, should be departed from.

4 PUBLIC WORKS DEPARTMENT, 19TH JULY 1878, No. 692 R.

No. 122. ORDER THEREON, 19th July 1878, No. 692 R.

COMMUNICATED to the Revenue Famine Department and to the Consulting Engineer for Railways with reference to G.Os., Nos. 94 and 483 R, dated 23rd January and 27th May 1878.

(True Extract.)

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

To the Revenue Famine Department (with copies of G.Os. referred to in the order).
" Consulting Engineer for Railways.
" Examiner of Railway Accounts.

Exd. A. F. Goodall.
Spare Copies

RAILWAY.

Govt. of (1878) Madras.
PUBLIC WORKS.

To

THE REVENUE (FAMINE) DEPARTMENT,
&c., &c., &c.

Dated July 19th.

Issued

Recd.

Encl.

G. O., 19th July 1878, No. 692 R.

JULY.

Nos. 121-122.

Doubling the Lines between Perambore and Ambatoor and Section between Ambatoor and Arcotum.—Letter from the Government of India forwarding Despatch from the Secretary of State regarding the—, communicated to the Revenue (Famine) Department and to the Consulting Engineer for Railways.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

5th December 1879, No. 937 R.

Railway.

Read the following paper:—

No. 34. From Major-General J. S. TREVOR, R.E., Officiating Deputy Secretary to the Government of India, Public Works Department, (Railway Construction,) to the Secretary to the Government of Madras, Public Works Department, (Railway,) dated Simla, 24th November 1879, No. 189 R.C.

In reply to your letter No. 853 R., dated the 31st October 1879, and in continuation of the telegram marginally

Dated 20th November 1879.

From—Works, Railway, Simla,

To—Works, Railway, Madras.

Your No. 853 R. Estimate Conjeeveram-Chingleput as revised by Consulting Engineer sanctioned.

quoted, I am directed to communicate the sanction of the Governor-General in Council to the revised estimate of cost of completing the Conjeeveram-Chingleput section of the South Indian Railway, 21 miles, amounting to Rs. 8,36,023, chargeable to Capital.

2. This sanction has been registered as No. 16, S.I.R., of 1879.

No. 35. ORDER THEREON, 5th December 1879, No. 937 R.

COMMUNICATED to the Consulting Engineer for Railways, in continuation of G.O., No. 897 R., dated 25th November 1879.

2. The sanction accorded by the Government of India has been registered as R. No. 16 of 1879-80.

(True Extract.)

(Signed) J. H. M. SHAW-STEWART, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

To the Consulting Engineer for Railways
„ Examiner of Railway Accounts.

Exd. S. T. Austin.
Spare Copies

Conjeveram-Chingleput section of the South Indian Railway.—The sanction of the Government of India to the revised estimate for completion of the —, communicated to the Consulting Engineer for Railways.

Financial Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

READ the following ~~letter~~

From the Public Works Department
dated 7th February 1881 N^o 283

„ the Accountant General

dated 26th February 1881 N^o. 777

Order thereon 17th March 1881 No. 41)

The Accountant General will place the sum of Rs 10,626 at the disposal of the Public Works Department. It will form a charge against the provision made in the Provincial Budget of the current year- see G. O. No. 54 dated 11th January 1881.

2. Separate orders will be passed on para 4 of the Accountant General's letter -

3. Messrs. Messrs. Dowell and Co. will be requested in the Revenue Department to furnish information as to the present state of the accounts of the famine cloths

Noths and the loss by sale.

(True Extract)

J. Davidson
Chief Secretary.

To

The Public Works Department.

By No 4068 of 15th March
1881.

Communicated
to the Executive
Public Works Accounts
with reference to his
letter No: 1053 of 4th Feb'y 81

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S. N. C. No 1573

Govt. of {1881} Madras.

(Financial Department)

Proposed March

To the S. N. S.

Dated 11th
Recd. 12th } March 1881, No. 417

Nos.

Requesting Acct
General to place the
sum of Rs 10,626 at
the disposal of the Mr
Dept regarding famine
expenditure

Genl P.W.

Desd
10-3-81

With order
906W