M.R.O. 1—77,006—8-6-37.

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE.

Government of Madras.

Public works **DEPARTMENT.**

G.O. No. 814, 815, 816	2973-74	Press / Mis.
Dated	16-12-	1874.

Not to be folded or roughly handled

Proceedings of the Madras Governemnt, Public Works Department, 16th December 1872.

No. 314. Read the following endorsement of the Consulting Engineer for Railways, dated Madras, 15th November 1872, No. 623:—

From the Agent and Manager of the Madras Railway Company, to the Consulting Engineer for Railways, dated Madras, 13th June 1872, No. 409.

I HAVE the honour to solicit your attention to the enclosed copy of a communication* from the Chief Engineer, wherein he furnishes the information called for in your letter, No. 33, of the 17th of January last, with regard to the "Statement of unexpended Balances of Estimates chargeable to the Capital Account of the Madras Railway," which was forwarded to your office with my letter, No. 489, of the 18th of August 1871.

* No. 281, dated 12th June 1872.

From the Chief Engineer, to the Agent and Manager of the Madras Railway Company, dated Madras, 12th June 1872, No. 281.

DEPUTY Consulting Engineer's letter, No. 33, of the 17th January, forwarding copy of G. O., No. 96, dated 12th January 1872.

Several of the works enumerated in the list* which was submitted with my letter, No. 455, of 18th August 1871, have been completed since that date; respecting these it will, I presume, be unnecessary for me to make any remarks, I shall, therefore, confine my observations to the following:—

* Sent to Consulting Engineer with letter, No. 489, 18th August 1871.

1.—Madras Central Station.
2.—Locomotive requirements, Perambore.
3.—Extension of Engine-erecting and Boiler Shop, Perambore.
4.—Renewing Line between Avenashy and Muddikerry with Iron Pot Sleepers.
5.—Districts 11-2 to 20 including Stations.
6.—Raichore Station.
7.—Neilgherry Branch Line.
8.—Altering the Double Needle Instruments into Single Needle, South-West Line.
Do. do. do. North-West Line.
9.—Maintenance of Telegraph, Ghooty to Toongabudra River.

2. It having been determined that the idea of watering arrangements at Moodanoor should be abandoned, the estimate for that work may lapse; this, therefore, requires no further remark.

3. *Madras Central Station.*—Not opened for traffic. To be kept on Capital Account for two years after date of opening (G. O., No. 1,617, of 29th May 1867).

4. *Locomotive requirements—Extension of Engine Shop, Perambore.*—Both these works will, I hope, be completed by the end of next month, and both of them will, therefore, be reported finished in the statement for quarter ending 30th September 1872, called for in Consulting Engineer's letter, No. 417, dated 4th June 1872.

5. *Renewing Line, Avenashy to Muddikerry, with Pot Sleepers.*—The renewals are being carried out as the wooden sleepers decay, and will probably extend over about four years from the date (January 1871) on which the work was put in hand.

6. *Districts* 11-2 *to* 20 *and Stations.*—The dates of opening for traffic were—

Ghooty to Toongabudra, 12th December 1870.
Goondacul to Veerapoor, 16th January 1871.
Veerapoor to Bellary, 1st March 1871.
Toongabudra to Raichore, 15th March 1871.

The different portions of the line will be kept on Capital Account for two years from the above dates, respectively.

7. *Raichore Station.*—Opened for traffic 15th March 1871, on Capital Account till 15th March 1873.

8. *Neilgherry Branch.*—Under construction. No part yet opened for traffic.

9. *Altering the Double Needle into Single Needle Instruments, South-West and North-West Lines.*—This work will probably be completed by the end of next month, and will be reported finished in the Return for quarter ending 30th September 1872.

10. *Maintenance of Telegraph, Ghooty to Toongabudra River.*—This estimate is for maintenance of the line of telegraph for two years from date of opening to traffic; it will not, therefore, be closed before 12th December 1872.

From the Agent and Manager of the Madras Railway Company, to the Consulting Engineer for Railways, dated Madras, 17th July 1872, No. 505.

With reference to your letter, No. 465, of the 18th ultimo, and to your docket, No. 564, of yesterday, I have the honour to enclose you a copy of the Chief Engineer's letter, No. 322, of the 2nd instant, which will give you the information you require as far as the Engineering Department is concerned.

2. I hope to be able to reply as to the Locomotive and Traffic Departments in the course of a few days.

From the Chief Engineer, to the Agent and Manager of the Madras Railway Company, dated Madras, 2nd July 1872, No. 322.

Deputy Consulting Engineer's letter, No. 465, of the 18th ultimo.

All the works enumerated in the "Statement showing Expenditure up to 31st March 1871 on Capital works sanctioned by Government prior to that date" (printed in G. O., No. 2,666, dated 20th October 1871), have been completed, with the exception of the nine referred to in my letter. No. 281, dated 12th June 1872, namely :—

1.—Madras Central Station.
2.—Locomotive requirements at Perambore Workshop.
3.—Extension of Engine-erecting and Boiler's Shop at Perambore.
4.—Renewing the Line between Avenashy and Muddikerry with Iron Pot Sleepers.
5.—District 11, Sections* I. and II., Goondacul Station; District 12, Veerapoor Station; District 13, Bellary Station; District 14, Nuncherla Station; District 15, Auspree Station; District 16-17, Adoni Station; District 18, Kosgee Station; District 19-20, Mutmurri Station.

* Section I. should be included, as a portion of it is still on Capital.

6.—Raichore Station.
7.—Neilgherry Branch Line.
8.—Altering the Double Needle into Single Needle Instruments, South-West Line.
Do. do. do. North-West Line.
9.—Maintenance of Telegraph for two years from Ghooty to Toongabudra River.

2. Regarding the works mentioned by Deputy Consulting Engineer the completion of which has still to be reported, I have to offer the following explanations :—

Traffic requirements at the Salt Cotaur Station; Signals, etc., at Goondacul Junction; Huggry Bridge; Inspector's Bungalow; Resident Engineer's Bungalow at Bellary; Permanent Way Inspector's Bungalow at Raichore.

These works have been completed, and will be reported finished in the Deputy Chief Engineer's report for the past quarter.

Protective works to Bridges at 168th Mile, North-West Line.
Do. do. at $\frac{16}{74}^{s}$ Mile, do.
Extra siding required by the Traffic Department at Goondacul.

These works were reported finished in the Deputy Chief Engineer's reports for quarters ending 31st December 1870 and 31st March 1871.

District 9, Section II., North-West Line.
Do. 10, do. I., do.
Royalchervoo Station.

District 10, Section II., North-West Line.
Ghooty Station.
Maintenance of Telegraph for two years from Tadpatri to Ghooty.

These estimates lapsed on the expiration of two years from the date of opening for traffic, after which date the maintenance of the line is charged to Revenue.

Electric Telegraph—Construction from Ghooty to Raichore.
Do. —Do. from do. to Goondacul.
Do. —Do. from Junction to Bellary.

These estimates lapsed on the date of opening of the line to traffic.

Fixing Lightning Conductors at Tripatore.
Do. do. at Cuddapah.

These works have been completed, and will be reported finished in the Telegraph Engineer's report for the past half-year.

3. Reference is also made in the Deputy Consulting Engineer's letter to the works enumerated in the "Schedule of Works required on the portion of the North-West Line which has been opened for Traffic less than two years" (printed in G. O., No. 2,666, of 20th October 1871). These works were not noticed in my former letter as no mention is made of the second Schedule in G. O., No. 96, of 12th January 1872; but, as it has now been brought forward, I have to report that the whole of the works enumerated in that Schedule, with the exception of the following, have been completed :—

1. Maintenance of Electric Telegraph (for two years) from Goondacul to Bellary and from Toongabudra River to Raichore.
2. Supplementary Estimate of Raichore Station Works (Rupees 14,277), amount sanctioned Rupees 32,146 (*vide* G. O., No. 960, of 12th April 1872).
3. Supplementary Estimate of Huggry Bridge.

The first two estimates will be kept open under Capital for two years from date of opening for traffic, namely, up to 15th March 1873. The reconstruction of the Huggry Bridge will only be commenced on the arrival of cylinders from England. Until the cylinders have been received I am unable to fix the date on which the estimate should be considered to lapse.

4. Privy for Workmen at Bellary.
5. Coke Staging at Raichore.
6. Double Ash-pit at do.
7. Upstair Bungalow for Locomotive Staff at Raichore.
8. Out-offices for do. at do.

The estimates for these works have not been submitted for sanction.

4. I beg further to supply the following information regarding the works specially noticed by the Government of India in their letter, No. 742-A.-R., dated 5th December 1871 :—

1. Wire fencing with five strands for five miles of railway between Shoranoor and Perpengady, finished.
2. Altering the watering arrangements at Moodanoor Station, abandoned.
3. Drinking Well for Locomotive Department at Ghooty Station, finished.
4. Permanent Way Inspector's Bungalow at Ghooty, finished.
5. Fixing Lightning Conductors at Tripatore, finished.
6. Do. do. at Cuddapah, do.

From the Agent and Manager of the Madras Railway Company, to the Consulting Engineer for Railways, dated Madras, 17th October 1872, No. 758.

G. O., No. 2,666, 20th October 1871.
,, ,, 96, 12th January 1872.
Letter from Consulting Engineer, No. 33, 17th Jan. 1872.
Do. from do. ,, 765, 18th Sept. ,,
Do. from do. ,, 765, 19th ,, ,,

I have now the honour to forward, herewith, a list of open sanctions appertaining to the Locomotive Department, prepared in accordance with the correspondence and Orders of Government noted in the margin.

2. I also forward a copy of the Locomotive Superintendent's letter, No. 334, of the 3rd instant, in which he states the reasons for which it is proposed that the several sanctions shown in the 1st shall remain open and be charged to Capita hereafter.

3. With respect to the item of Rupees 600 for the conversion of two open-sided goods waggons, you will remember that the subject was discussed at the meeting of the Committee held in my office on the 9th instant, when it was determined that it was desirable to allow that sanction to remain open also.

From the Locomotive Superintendent to the Agent and Manager of the Madras Railway Company, dated Perambore Works, 3rd October 1872, No. 334.

Order of Government, No. 2,666, 20th October 1871.
Letter from Agent and Manager, No. 2,256, 25th June 1872.
Order of Government, No. 96, 12th January 1872.
Letter from Deputy Consulting Engineer, No. 33, 17th January 1872.
Letter from Agent and Manager, No. 3,130, 6th September 1872.
Letter from Acting Deputy Consulting Engineer, No. 761, 18th September 1872.
Letter from do. do., No. 765, 19th September 1872.
Letter from Agent and Manager, No 3,276, 21st September 1872.

ADVERTING to the correspondence and Orders of Government noted in the margin I beg to forward you, herewith, a revised list of open sanctions, in which I have shown only such works as were sanctioned prior to the 1st April 1871.

2. In the case of the balance of Rupees 14,555-6-4 remaining unexpended on the 1st July 1872 out of the sum sanctioned for the fitting of sun-shades to carriages in G. O., No. 779, of 12th March 1870, and that of Rupees [illegible]11-10, remaining at the same date to the credit of the amount sanctioned under G. O., No. 3,[illegible], of 29th September 1868, and No. 401, of 8th February 1869, for the fitting of oil axle keeps to 2,890 waggons, I beg to explain that these works being of a character which can only be performed by degrees, it is necessary that the unexpended balances should be retained as a charge against Capital until the completion of the work.

3. The sun-shades are only supplied as carriages can conveniently be spared by the Traffic Department, and the oil axle keeps are only fitted as waggons come into the shops for repairs necessitating examination of the axles and consequent lifting of the waggons. It is, therefore, extremely difficult to fix a probable date for the completion of the work in these two cases.

4. Five of the ten horse-boxes (sanctioned under G. O., No. 3,004, of 12th December 1870) have been already built; the remaining five are nearly completed.

5. With regard to the conversion of fifty coke waggons into covered goods (sanctioned in G. O., No. 3,004, of 12th December 1870), one covered goods waggon has been converted from a coke waggon as a pattern, and preparations are being made to go on with the conversions of the remaining forty-nine waggons as coke waggons requiring heavy repairs come into the workshops.

6. As regards the conversion of the 292 open-sided goods waggons into high-sided open goods waggons (sanctioned in G. O., No. 3,004, of 12th December 1870), but very little has been done beyond altering and preparing iron work involving a small expenditure. This work has been kept in pendency, as the Traffic Manager, in reply to my inquiries on the subject, informed me that, in his opinion, it was "undesirable to convert the open goods waggons into high-sided open goods waggons, for the present at least."

7. There is a sum of Rupees 600 (sanctioned under G. O., No. 272, of 22nd January 1870), for the conversion of two open-sided goods waggons into fire-engine trucks; but I cannot ascertain particulars of how these were intended to be converted.

8. Mr. Collinson issued an order, dated 2nd March 1870, to the Carriage Foreman to do the work; but neither drawing nor specification appear to have been issued from the office for the Foreman's guidance, who states that he had no verbal instructions on the subject.

9. Perhaps it would be as well to request the Board to be good enough to ask Mr. Collinson to send a sketch and a letter explaining the nature of the proposed conversion, on receipt of which the matter can be at once disposed of, either by doing the work if it is deemed necessary, or, if unnecessary, by allowing the sanction to lapse.

2-3

LOCOMOTIVE DEPARTMENT.
List of Open Sanctions.

Number and Date of Sanction.	Name of Work.	Amount of Estimate.	Expended up to 30th June 1872.	Balance available on the 1st July 1872.	Date of closing the Sanction.
		RS.	RS. A. P.	RS. A. P.	
G. O., No. 779, of 12th March 1870.	290 Second-class Composites and Third-class Carriages (Sun-shades).	35,200	22,312 9 2	12,887 6 10	31st March 1873.
G. Os., Nos. 3,066, of 29th September 1868 and 401 of 8th February 1869.	2,890 Waggons fitting Axle Box Keeps (Oil).	54,700	18,810 12 5	35,889 3 7	,, ,, ,,
G. O., No. 3,004, of 12th December 1870.	Ten Horse-boxes.	47,630	32,859 12 0	14,770 4 0	,, ,, ,,
Do. do. do.	Fifty Coke Waggons to be converted into Covered Goods.	34,250	1,396 4 2	32,853 11 10	,, ,, ,,
Do. do. do.	292 Open-sided Waggons to be converted into High-sided Open Goods Waggons.	90,917	.....	90,917 0 0	,, ,, ,,
G. O., No. 272, of 22nd January 1870.	Two Open-sided Goods Waggons to be converted into Fire Engine Trucks.	600	.....	600 0 0	,, ,, ,,

1*st October* 1872.

(Signed) W. B. WRIGHT,
Locomotive Superintendent.

SUBMITTED to Government with reference to the Order of Government, No. 96, dated 12th January 1872.

2. Of the works on the Madras Railway sanctioned prior to the 1st April 1871 and enumerated in the list submitted with this office letter, No. 430, dated 2nd October 1871, the following are the only works for which the sanction remained open on the date of the Chief Engineer's last communication :—

G. O., No. 2,666, dated 20th October 1871.

2nd July 1872.

1.—Madras Central Station.
2.—Locomotive requirements at Perambore Workshop.
3.—Extension of Engine-erecting and Boiler Shop at Perambore.
4.—Renewing the Line between Avenashy and Muddikerry with Iron Pot Sleepers.
5.—District 11, Sections I. and II., Goondacul Station; District 12, Veerapore Station; District 13, Bellary Station; District 14, Nuncherla Station; District 15, Auspree Station; District 16-17, Adoni Station; District 18, Kosgee Station; District 19-20, Mutmurri Station.

6.—Raichore Station.
7.—Neilgherry Branch Line.
8.—Altering the Double Needle into Single Needle Instruments, South-West Line.
9.— Do. do. do. North-West Line.
10.—Maintenance of Telegraph for two years from Ghooty to Toongabudra River.

3. It will be observed that none of the sanctions specified by the Government of India in letter,* No. 742-A.-R., dated 5th December 1871, are now open.

* G. O., No. 96, dated 12th January 1872.

4. Of the works above mentioned the Deputy Chief Engineer's report for the quarter ended the 30th September last, which came to hand yesterday, reports the completion of Nos. 2 and 3.

5. The list of open sanctions in the Locomotive Department is also forwarded.

6. The above works were all originally sanctioned as Capital charges, and there does not appear to be any reason why they should not be retained "as items of charge against the Capital Account."

7. The sanctions relating to the Great Southern of India Railway have been dealt with in my endorsement of the 12th April 1872, No. 178.

G. O., No. 1,043, dated 23rd April 1872.

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

No. 315. ORDER THEREON, 16th December 1872, No. 2,973.

RAILWAY, No. 56.

WITH the above papers are submitted revised lists of open sanctions against Capital on the Madras Railway, prepared in accordance with the orders of the Government of India contained in letter, No. 742-A.-R., dated 5th December 1871. It is observed that all the works to which special attention was called in that letter have since been removed from the category of open sanctions, and that the present lists embrace only duly authorized works, the Capital accounts of which cannot at present be closed. The papers will now be forwarded to the Government of India.

(Here enter No. 2,974, dated 16th December 1872.)

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

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

Exd. A. S. Rodgers.

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, 16*th December* 1872.

No. 316.

No. 2,974.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

RAILWAY, No. 57.

SIR,—With reference to your letter, No. 742-A.-R., dated 5th December 1871, I am directed, herewith, to forward revised lists of open sanctions against Capital on the Madras Railway, together with the explanatory correspondence which has been submitted by the Consulting Engineer.

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

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

Exd. A. S. Rodgers.

№ 623.

Submitted to Government with reference to the order of Government, No 96, dated 12th January 1872.

2 Of the works on the Madras Railway sanctioned prior to the 1st April 1871, and enumerated in the list submitted with this

G.O. No 2666, of 20 October 1870. Office letter No 430 dated 2nd October 1871, the following are the only works for which the sanction remained open on the date of the Chief Engineer

2 July 1872. last communication:—

1 Madras Central station

2 Locomotive Department at Perambore workshops.

3 Extension of engine erecting and boiler shops at Perambore.

4 Renewing the line between Arenavoy and Ruddikeroy with iron post sleepers.

5 Distrect XI Section 1
—— Do —— 2
Gundacul station
Distrect XII
Veeraporc station
Distrect XIII
Billary station
Distrect XIV
Kunchela station
Distrect XV
Anaperu station
Distrect XVI
—— Do —— XVII
Adoni station
District XVIII
Horpe station
District XIX
—— Do —— XX
Mulumurri station

6 Cudlone station

7 Kedgeberry branch line

8 Altering the double needle into single needle instrument South West line

9 —— Do —— Do —— North-West line

10 Maintenance of telegraph for two years from Cuddy to Toongabudra Jnct.

3 It will be observed that none of the sanctions specified by the Government of India in letter No 742 R.C. dated 5th December 1871, are now open.

GB No 969 12th January 1872.

4 Of the works above mentioned the Deputy Chief Engineer reports for the quarter ended the 30th September last, which came to hand yesterday, the completion of Nos 2 and 3.

5 The list of open sanctions in the Locomotive department is also forwarded.

6 The above works were all originally sanctioned as Capital charges, and there does not appear to be any reason why they should cease to be retained as items of charge against the Capital account.

7 The sanctions relating to the Great Southern of India Railway have been dealt with in my endorsement of the 15th April 1872, No 178.

C. B. No 1043 dated 23rd April 72.

Lieut. Col. R.E.

Madras 15th November 1872.

Offg. Secy. for Railways

To The Secretary to Govt. Pub. Works Dept. Fort St. George

No — Ordinarily

Madras Railway

Agent and Manager's Office

Madras 18th June 1872.

From

To

The Agent and Manager of the M. R. Co.

Lieut.-Col. J. Hall. Shaw Stewart, R.E.,

Consulting Engineer for Railways.

Sir,

I have the honour to solicit your attention to the enclosed copy of a communication from the Chief Engineer wherein he furnishes the information called for in your letter No. 33 of the 17th of January last with regard to the "statement of unexpended balances of Estimates, chargeable to the Capital account of the Madras Railway", which was forwarded to your office with my letter No. 489 of the 18th of August 1871.

I have &c.

for J. H. Hillis

for the Agent & Manager

No 281 dated 12 June 1872.

No. 758.

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE.

Madras, 17th October 1872.

From

R. B. Elwin Esqre

Agent and Manager. of the M. R. Co

To

Lt Col. J. Hall. & Shaw Stewart, R.E.

Consulting Engineer for Railways.

SIR,

I have now the honour to forward herewith a list of open sanctions appertaining to the Locomotive Department, prepared in accordance with the correspondence and orders of Government noted in the margin.

G. O. No. 2666 - 20th Octr 1871.
G. O. " 96 - 12th Jany 1872
Letter from Comr. Engrs No. 33 - 17th Jany 1872
— Do — " 761 - 18th Octr —"
— Do — " 765 - 19th — " — "

2. I also forward a copy of the Locomotive Superintendent's letter No. 334 of the 5th instant in which he states the reasons for which it is proposed that the several sanctions shewn in the list shall remain open and be charged to Capital hereafter.

3. With respect to the item of Rs. 600 for the conversion of two open sided Goods Waggons you will remember that the subject was discussed at the Meeting of the Committee held in my

Office on the 9th instant when it was determined that it was desirable to allow that sanction to remain open also.

I have the honour to be
Sir
Your most Obedient Servant

Agent & Manager.

MADRAS RAILWAY.

From

The Agent and Manager.

To

The Consulting Engineer

for Railways.

Dated 17 October 1872

Recd. 18

No. 758

Forwarding with remarks list of Open Sanctions appertaining to the Loco: Dept. prepared in accordance with the Orders of Government.

P. R. 5669/72.

hand since been removed from the category of open sanctions, and that the present lists embrace only duly authorized works the Capital accounts of which cannot at present be closed.

The papers will now be forwarded to the Govt of India

H.L. No. dy 29/4/12

To

The Secy to the Govt of India

Sir

With reference to your letter No. 742 dated 5 December 1911, I am directed herewith to forward revised lists of open sanctions against

1/3

To
12 The Com. Engrs for Rys
7 " Ex. Ry. Agents

Dep. 18/12/12

against Capital and the Madras Railway, together with the explanation correspondence which has been submitted by the Consulting Engineer, ~~explanatory of the circumstances of the several works brought forward~~

GHW

25
12

Dispo 18/12/12 cita 36

Copies of Govt 2973 of 1912.

P/2569

Govt. of {1872} Madras.

PUBLIC WORKS.

To The Commissioner of Rys for Railways & To the Secretary to the Govt of India

Dated

Recd. Encl. 7

G. O. 16th Decr 1872, Nos 2973-2974

Nos. 314-315 & 316

Madras Railway. Revised lists, submitted by the Engrs. in charge, of Open Sanctions against Capital on the Madras Railway ordered to be forwarded to the Govt of India.

Forwarding revised lists of Open Sanctions against Capital on the Madras