Public Works (1897) Department.

G.O., No. 102 R

DATED 13. February 1897

18/2/97

[Despatch Abstract.]

Lighting: Govt of India letter sanctioning
the revised estimate of Rs 2,33,363-8-2
for – trains on the Madras Railway
with Pintsch's oil gas, Comtd to the
Agent & Manager

76/2 100/2

Te 18/2/97

[P.W. 36. / 1,500—30-11-96.]

Indexed. 18/2/97

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
	953	Ry.	7-11-96				
	35	Ry.	18-1-97				

FURTHER PAPERS.

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

RAILWAY.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*
Regd. } 1897. *Spare copies*

G.O., No. 102 R., 13th February 1897.

FEBRUARY.

Lighting

Government of India letter sanctioning the revised estimate of Rs. 2,33,363-8-2 for — trains on the Madras Railway with Pintsch's oil gas, communicated to the Agent and Manager.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read again the following paper :—

G.O., No. 953 R., dated 7th November 1896.

Read the following papers :—

From the Officiating Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, to the Secretary to the Government of India, Public Works Department, Simla, dated 30th September 1896, No. 833 R.

I am directed to forward a revised estimate, amounting to Rs. 2,33,363–8–2, for adopting Pintsch's system of gas lighting on the Madras Railway.

2. The original estimate sanctioned in G.O., No. $\frac{3}{A}$ R. of 8th January 1894, amounted to Rs. 1,70,769; the excess over that estimate being over 10 per cent requires the sanction of the Government of India.

3. A statement showing the different items of excess, and also explanations by the Agent, Locomotive Superintendent and Chief Engineer are appended. The additional lamp in the third-class carriages was ordered by the Agent Mr. Moss and was not brought forward for the sanction of the Consulting Engineer.

4. The Agent has submitted an indent for the material required to complete the work and was informed that it could not be signed until the necessary explanation of the excesses had been submitted and the revised estimate sanctioned by the Government of India.

5. This information has now been received and the sanction of the Board of Directors has been applied for (*vide* extract attached). The Locomotive Superintendent reports that the material indented for is urgently needed to complete the fitting of the stock of which one-fifth remains to be done.

6. I am to request, therefore, that sanction to the indent mentioned in paragraph 4 may be communicated by telegraph.

Enclosures.

From the Acting Agent and Manager, Madras Railway Company, to the Officiating Consulting Engineer for Railways, Madras, dated 29th July 1896, No. E. 551/655.

With reference to G.O., No $\frac{3}{A}$ R., dated the 8th January 1894, communicating the sanction of the Government of India to the estimate, amounting to Rs. 1,70,769, of the cost of introducing the scheme of lighting trains on the Madras Railway by Pintsch's oil gas, I have the honour to forward herewith, in duplicate, for the sanction of Government, revised estimates and plan * submitted by the Acting Chief Engineer and the Locomotive Superintendent for work to be executed by their respective departments, aggregating Rs. 2,33,363–8–2, chargeable in the proportion of Rs. 2,19,338–8–2 to Capital and Rs. 14,025 to Revenue.

2. The circumstances which have rendered the submission of the revised estimates necessary are fully explained in the extracts † of correspondence enclosed.

3. The sanction of the Board for the increased expenditure will be duly applied for.

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* A duplicate copy of plan will follow.

† Letter from the Locomotive Superintendent, dated 15th June 1896, No. A. 13045/638.
Letter from the Acting Chief Engineer, dated 16th July 1896, No. C. 6316/899.

4. An indent for the material required to complete the work is also submitted herewith, in duplicate, and it is requested that you will be so good as to return the original at your earliest convenience with authority to send it forward to the Board for compliance. The Locomotive Superintendent informs me that the fitting of certain classes of carriages for gas is now almost at a standstill for want of material which has to be obtained from England, and has been included in this indent. If, therefore, the indent can be, specially sanctioned, it will be a great convenience.

5. Information as to provision, in the budget and dates on which sanction will lapse is entered on the face of the estimates.

Extract from a letter from the Locomotive Superintendent, to the Acting Agent and Manager, dated 15th June 1896, No. A. 13045/638.

I forward herewith, for information and submission to Government, a revised estimate amounting to Rs. 2,25,281, being the cost of completing the fitting of the carriage stock for gas lighting.

2. When the original indent and estimate were prepared, the information we had was very meagre and although all fittings which it was thought would be required for completing the whole of the carriages was included in it, it is now found that we shall not have a sufficiency of certain items. This has been due partly to its being found necessary, as the work of fitting the carriages has progressed, to make in some cases alterations in the piping, fittings and arrangements generally from the original proposal. Amongst others I may mention that it was originally intended to fit all third-class carriages with two lamps only, but at your request these carriages are now all being supplied with an extra lamp.

3. There were also some few vehicles which were omitted from the original list as it was not then proposed to light them with gas, and in order now to carry out the complete installation certain extra fittings are required for them.

4. It has further been found necessary to extend the service pipe at Central station so as to avoid the considerable amount of shunting which has now to be done to charge the carriages with gas. There is at present one line of piping with the necessary trap boxes extending up the washing siding and another line of piping with boxes inside the shed on the departure platform from either of which lines carriages can be charged, but the Traffic Department find it inconvenient in many cases to shunt carriages to either of these two positions, and it is proposed to lay down piping along the No. 3 platform as well as a branch from the existing pipe near the horse-box siding.

5. As you are aware two portable gas store holders only were originally indented for, but it is found that to light the local trains running between Pódanúr, Salem, Calicut and Méttupálaiyam and also those running out of Cuddapah and the locals between Ráyapuram, Ennur and Perambúr three more holders are necessary. I have therefore included the cost of these as well as the extra service piping at Central station in the estimate.

Extract from a letter from the Acting Chief Engineer, to the Acting Agent and Manager, dated 16th July 1896, No. C. 6316/899.

Shed for making gas at Central station.

In reply to your No. E. 551/6741 of 13th instant, I beg to submit a revised plan No. 3195 and estimate amounting to Rs. 8,082–8–2 for the above work, and shall feel obliged if you will forward them to Government for sanction.

2. In this the following new works not provided for in the original estimate are included; these were asked for from time to time by the Locomotive Department as the work proceeded, viz. :—

Works.		Cost.			Authority.
		RS.	A.	P.	
1. Extension of shed	..	1,408	0	0	Locomotive Superintendent's letter No. A. 13045/7397 of 4th September 1895.
2. Tar and oil tanks	..	188	2	0	Locomotive Superintendent's letter No. 8613 of 12th October 1895.
3. Verandah ..	..	170	12	5	Minute No. 14 of Officers' Meeting of 11th February 1896.
4. Coal siding ..	..	1,346	1	3	Minute No. 9 of Officers' Meeting of 6th June 1895.
5. Drain and piping	..	850	5	10	Locomotive Superintendent's letter No. A. 13045/7513 of 9th September 1895.
6. Latrine ..	..	49	4	0	Minute No. 13 of Officers' Meeting of 11th February 1896.

3. These account for Rs. 4,012–9–6 in excess of the original estimate Rs. 2,995, leaving a balance of Rs. 1,074–14–8 excess caused by enlarging the gas shed and using a Louvre roof with iron trusses instead of the wooden roof originally provided.

Extract from the Agent and Manager's letter to Board, dated 4th August 1896, No. 2267.

10. In paragraph 11 of letter No. 889, the sanction of the Board was accorded to the introduction of the scheme for lighting trains on this railway by Pintsch's oil gas. The original estimated cost of the scheme was Rs. 1,70,769, and under the circumstances explained in the enclosed copy of a letter from the Locomotive Superintendent, No. 638, dated the 15th June last, the submission of a revised estimate has become necessary, and the cost now estimated to complete the fitting of the carriage stock for gas lighting is Rs. 2,25,281. I request that the Board will kindly accord their approval to the amount of the revised estimate, a copy of which is enclosed.

From the Acting Agent and Manager, Madras Railway Company, to the Consulting Engineer for Railways, dated Madras, 19th September 1896, No. E. 551/825.

With reference to your letter No. 2756 of the 4th instant, I have the honour to forward herewith, for your information, copy of the comparative statement received from you, in the remarks column of which explanations are entered for the several items of excess over the original estimate for lighting trains by Pintsch's oil gas.

2. With regard to paragraph 2 of your letter the Locomotive Superintendent writes:—

"The extra lamp was put into the third-class carriages at the personal request of the Agent and Manager * who, on inspecting one of the trains with me, considered that the amount of light given by the two lamps as originally fitted was insufficient, the centre part of the carriage being practically dark owing to the obstruction offered by the intervening lattice work partitions."

3. The Locomotive Superintendent is pressing for the materials required for the work as the fitting of carriages for gas lighting is nearly at a standstill, and will in a few weeks be entirely stopped until the fittings indented for are received. I shall therefore be much obliged if the indent can be sanctioned at a very early date.

---

* Mr. Moss.

Comparative Statement showing the allocation of the original and revised estimates for Gas-making, Plant, Lamp and Fittings.

Description.	Original estimate.	Revised estimate.	Difference.	Remarks.
CAPITAL.	RS.	RS.	RS.	
III. Formation—				
1. Earthwork	..	192	+ 192	= Rs. 1,346. This expenditure was incurred on the coal siding. Item No. 4 of the statement given in the Acting Chief Engineer's letter No. C. 6316/899, dated 16th July 1896, an extract from which was forwarded with my letter No. 655, dated 29th July 1896. The work was not provided for in the original estimate but was asked for by the Locomotive Department subsequently.
4. Level crossings	..	94	+ 94	
5. Fencing	..	356	+ 356	
IV. Ballast and Permanent way—				
1. Ballasting	..	602	+ 602	
2. Permanent way	..	102	+ 102	
V. Stations and Buildings—				
2. Workshops and store buildings	2,995	5,916	+ 2,921	This amount is made up of expenditure on the following works which were not provided for in the original estimate but which were asked for subsequently by the Locomotive Department. RS. A. P. Extension of shed .. .. .. 1,408 0 0 Item 1 of statement given in Chief Engineer's letter No. C. 6316/899 of 16th July 1896, above referred to. Tar and oil tanks .. .. .. 188 2 0 Item 2 of do. do. Verandah .. .. 170 12 5 ,, 3 of do. do. Latrine .. .. 49 4 0 ,, 6 of do. do. Enlarging gas shed and fixing a Louvre roof with iron trusses instead of the wooden roof originally provided .. .. 1,104 14 8 Referred to in the extract from Chief Engineer's letter No. C. 6316/899 of 16th July 1896, above referred to. Total .. 2,921 1 1
4. Station machinery ..	..	820	+ 820	This expenditure was incurred on a drain and piping which were asked for by the Locomotive Department but which are not provided for in the original estimate.
VII. Plant—				
4. Station and office furniture ..	35,821	2,06,633	+ 1,70,812	The excess is explained in the extract from the Locomotive Superintendent's letter forwarded to you with my letter No. 655, dated 29th July 1896.
VIII. Rolling Stock—				
2. Carriage and wagon stock ..	..	4,623	+ 4,623	
Total ..	38,816	2,19,338	+ 1,80,522	The allocation of the original estimate was made in accordance with your letter No. 303 of 6th April 1893. This was overruled by the Government of India orders, No. 307 R.S., dated 29th August 1893, and No. 450 R.S., dated 20th December 1893, and the revised estimate was allocated according to these orders.
REVENUE.				
Abstract D.				
II. Fuel, Lighting, Water and General Stores—				
1. Fire, lights, &c. ..	1,31,953	14,025	1,17,928	
Total ..	1,70,769	2,33,363	+ 62,594	

Telegram from the Secretary to the Government of India, Public Works Department, to the Officiating Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, dated Simla, 15th October 1896, No. 469 R.S.

Referring to your letter numbered and dated as follows, No. 833 R., 30th ultimo, indent for additional material for Pintsch's gas on Madras Railway may be transmitted to England.

From the Officiating Under Secretary to the Government of India, Public Works Department, Railway Stores, to the Officiating Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, dated Simla, 26th October 1896, No. 498 R.S.

In continuation of Government of India telegram No. 469 R.S., dated the 15th October 1896, sanctioning the transmission to England of an indent for additional materials required to complete fittings for Pintsch's gas in the carriages of the Madras Railway, I am directed to state that sanction to the revised estimate, amounting to Rs. 2,33,363-8-2, forwarded with your letter No. 833 R., dated the 30th September 1896, of the cost of adopting Pintsch's system of gas lighting on the Madras Railway, has been held over pending the receipt of the approval of the Board of Directors to the same, which, it is stated, has been applied for.

2. I am to take this opportunity to point out that the revised estimate which has been forwarded for the sanction of the Government of India amounts to Rs. 2,33,363-8-2, as stated above, whereas that submitted by the Agent to the Board of Directors for approval amounts to Rs. 2,25,281 only, the difference, it will be seen, being due to the cost of the engineering portion of the work amounting to Rs. 8,082-8-2 having been omitted from the latter.

Order—No. 953 R., dated 7th November 1896.

Communicated to the Agent and Manager, Madras Railway, for information and necessary action with reference to paragraph 2 of letter from the Government of India read above.

(True Extract.)

(Signed) F. D. FOWLER,
Offg. Joint Secy. to Govt.,
Railway Branch.

Read also the following papers :—

From the Officiating Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, to the Secretary to the Government of India, Public Works Department, Calcutta, dated Madras, 18th January 1897, No. 35 R.

With reference to your letter No. 498 R.S., dated 26th October 1896, I am directed to forward herewith the approval of the Board of Directors to the revised estimates amounting to Rs. 2,33,363-8-2 of the cost of lighting trains on the Madras Railway by Pintsch's oil gas, and to request that the sanction of the Government of India may now be communicated to this Government.

ENCLOSURES.

Extract from a letter from the Secretary, Madras Railway Company, dated London, 9th October 1896, No. 942.

On the explanation given by the Locomotive Superintendent in his letter to you of the 15th June last received with your No. 2267 and referred to in paragraph 10, the Board sanction the revised estimate of Rs. 2,25,281 for completing the lighting in trains on this railway by Pintsch's oil gas.

Extract from a letter from the Secretary, dated 18th December 1896, No. 947.

16. In paragraph 16 of No. 2284 you state that the revised estimate of the cost of lighting trains on the Madras Railway by Pintsch's oil gas did not include the cost of erecting a shed for making gas. I am now to convey, as requested, the Board's sanction to the revised estimate for this work, amounting to Rs. 8,082-8-2, which has been increased to this amount owing to alterations and additions found necessary subsequent to the preparation of the original estimate of Rs. 2,995.

From the Under Secretary to the Government of India, Public Works Department, Railway Stores, to the Officiating Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, dated Calcutta, 2nd February 1897, No. 55 R.S.

With reference to correspondence ending with your No. 35 R., dated the 18th January 1897, I am directed to convey the sanction of the Government of India to the revised estimate, amounting to Rs. 2,33,363-8-2, forwarded with your No. 833 R., dated 30th September 1896, of the cost of lighting trains on the Madras Railway with Pintsch's oil gas.

2. This sanction, which is chargeable in the proportion of Rs. 2,19,338-8-2 to Capital and Rs. 14,025 to Revenue, has been registered as No. 3 Madras Railway of 1897, and is in supersession of the sanction given in Government of India No. 450 R.S., dated 20th December 1893.

ORDER—No. 102 R., dated 13th February 1897.

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

2. This sanction has been registered as No. 30 R. of 1896-97 and is in supersession of the sanction communicated in G.O., No. $\frac{3}{A}$ R., dated 8th January 1894.

(True Extract.)

Offg. Under Secy. to Govt.,
Railway Branch.

To the Agent and Manager, Madras Railway.
" Examiner, Guaranteed Railway Accounts.

Exd. J. Henrious.

Print

7 S.P

Extract from a letter from the Locomotive Superintendent to the Ag: Agent and Manager No. A $\frac{13045}{638}$ dated 15th June 1896.

I forward herewith for information and submission to Government, a revised estimate amounting to Rs 2,25,281/- being the cost of completing the fitting of the Carriage Stock for gas lighting.

2. When the original indent and estimate were prepared, the information we had was very meagre and although all fittings which it was thought would be required for completing the whole of the Carriages was included in it, it is now found that we shall not have a sufficiency of certain items. This has been due partly to its being found necessary, as the work of fitting the Carriages has progressed, to make in some cases alterations in the piping, fittings and arrangements generally from the original proposal. Amongst others, I may mention that it was originally intended to fit all III^d class carriages with two lamps only but at your request these Carriages are now all being supplied with an extra lamp.

3. There were also some few vehicles which were omitted from the original list as it

was

was not then proposed to light them with gas, and in order now to carry out the complete installation certain extra fittings are required for them.

4. It has further been found neceſsary to extend the service pipe at Central Station so as to avoid the considerable amount of shunting which has now to be done to charge the carriages with gas. There is at present one line of piping with the neceſsary trap boxes extending up the washing siding and another line of piping with boxes inside the shed on the departure platform from either of which lines Carriages can be charged but the Traffic Department find it inconvenient in many cases to shunt carriages to either of these two positions and it is proposed to lay down piping along the No. 3 platform as well as a branch from the existing pipe, near the Horse Box Siding.

5. As you are aware two portable gas store holders only were originally indented for but it is found that to light the Local trains running between Podanur, Salem, Calicut and Mettupalayam and also those running out of Cuddapah and the locals between Royapuram, Ennur and

and Perambur three more holders are necessary. I have therefore included the cost of these as well as the extra service piping at Central Station in the estimate

(True Extract)

Henry West

Ag. Agent & Manager.

The Offg: Consulting Engineer for Rys.
Madras

Enc. No. 2 to R. G. No. 3270 of 1896
Letter No. 655 D 29.7.96
From Hu.

10 S.P

Extract from a letter from the Acting Chief Engineer to the Ag. Agent + Manager, No. C/6316/899 dated 16th July 1896.

Print

Shed for making gas at Central Station.

1. In reply to your No. E $\frac{551}{6741}$, of 13th Instant, I beg to submit a revised plan No. 3195 and Estimate amounting to Rs 8082-8-2 for the above work and shall feel obliged if you will forward them to Government for sanction.

2. In this the following new works not provided for in the original Estimate are included, these were asked for from time to time by the Locomotive Department as the work proceeded, viz.—

No.	Works.	Cost.			Authority
		Rs	a	p	
1	Extension of shed —	1,408	"	"	Loco: Suptt's: letter No. A $\frac{13045}{7397}$ of 4th September 1895.
2	Tar + oil Tanks —	188	2	.	Do. —— Do. —— No. 8613 of 12th October 1895.
3	Verandah ——	170	12	5	Minute No. 14 of Officers' meeting of 11th February 1896
4	Coal Siding ——	1,346	1	3	Minute No. 9 of Officers' meeting of 6th June 1895.
5	Drain + piping —	850	5	10	Loco: Suptt's: letter No. A $\frac{13045}{7513}$ of 9th September 1895.
6	Latrine ——	49	4	.	Minute No. 13 of Officer meeting of 11th Februar 1896.

These

3. These account for Rupees 4,012 - 9 - 6 in excess of the original estimate Rupees 2,995/- leaving a balance of Rupees 1,074 - 14 - 8 excess caused by enlarging the gas shed and using a Louvre roof with iron trusses instead of the wooden roof originally provided.

(True Extract)

Ag: Agent & Manager.

Enc. No. 3 to G. O. No. 3270 of 1896
Letter No. 655 of 29.7.96
From Am

(No. I.)

5000-15-3-88.

No. E551/655

Print

11 S.P

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

MADRAS, 29th July 1896

Agent MM 30/7

From

The Ag Agent and Manager,
Madras Railway Company,

To

The Offg Consulting Engineer for Railways.
Madras.

SIR,

With reference to G. O. No 3/A R, dated the 8th January 1894, communicating the sanction of the Government of India to the Estimate, amounting to Rs 1,70,769, of the cost of introducing the scheme of lighting trains on the Madras Railway by Pintsch's Oil gas, I have the honor to forward herewith in duplicate, for the sanction of Government, revised estimates and plan× submitted by the Ag Chief Engineer and the Locomotive Superintendent for work to be executed by their respective departments aggregating Rs 2,33,363 - 8 - 2 chargeable in the proportion of Rs 2,19,338 - 8 - 2 to Capital and Rs 14,025 to Revenue.

×(a duplicate copy of plan will follow)

2. The circumstances which have rendered the

12 S.P

the submission of the revised estimates necessary are fully explained in the extracts of correspondence× enclosed.

× { Letter from the Loco: Supdt dated 15" June 1896, No. A 5045/638.
" Ag Chief Engineer No. C 6816/899 dated 16" July 1896. }

3. The sanction of the Board for the increased expenditure will be duly applied for.

4. An Indent for the material required to complete the work is also submitted herewith, in duplicate, and it is requested that you will be so good as to return the original at your earliest convenience with authority to send it forward to the Board for compliance. The Locomotive Superintendent informs me that the fitting of certain classes of carriages for gas is now almost at a standstill for want of material which has to be obtained from England, and has been included in this indent. If therefore the indent can be specially sanctioned, it will be a great convenience.

5. Information as to provision in the Budget and dates on which sanction will lapse is entered on the face of the Estimates.

I have the honor to be,
Sir,
Your most obedient Servant,
Henry C. Webb
Ag. Agent & Manager.

3270
30/7/96

Enclo/
Regd.
GR
30/7/96

MADRAS RAILWAY.

From
The Agent and Manager.

To
The Consulting Engineer
for Railways.

No.

Dated 188
Recd.

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5 S.F

Extract from A.M.'s letter to Board
No. 2267 of 4.8.96

Revised estimate for lighting trains with Pintsch's oil gas.

10. In para. 11 of letter, No. 889, the sanction of the Board was accorded to the introduction of the scheme for lighting trains on this Railway by Pintsch's oil gas. The original estimated cost of the scheme was Rs. 1,70,769, and under the circumstances explained in the enclosed copy of a letter from the Locomotive Superintendent, No. 638, dated the 15th June last, the submission of a revised estimate has become necessary, and the cost now estimated to complete the fitting of the carriage stock for gas lighting is Rs. 2,25,281. I request that the Board will kindly accord their approval to the amount of the revised estimate, a copy of which is enclosed.

x page 2 A&O $\frac{3}{A}$ R 8.1.94

TO E. R's. C. No. 4088 OF 1896

No. 825 D 19.9.96

Spent

Comparative Statement shewing the allocation of the Original and revised estimates for Gas making Plant Lamp & Fitt

Description	Original Estimate	Revised Estimate	Difference	Remarks.
Capital	Rs	Rs	Rs	✓
III Formation				
1 Earthwork				
4 Level crossings	"	192	+ 192	= Rs 1346. This expenditure was incurred on the coal siding. Item N 4 of the Statement given in the Ag. Chief Engineer's letter No C $\frac{6316}{899}$ dated 16.7.96 an extract from which was forwarded with m letter No 655 dated 29th July 1896. The work was not provided for in the original Estimate but was asked for by the Loco: Department subsequently.
5 Fencing	"	94	+ 94	
IV Ballast & Permanent Way	"	356	+ 356	
1 Ballasting				
2 Permanent Way	"	602	+ 602	
	"	102	+ 102	
V Stations and Buildings				
2 Workshops & Store Buildings	2995	5.916	+ 2921	This amount is made up of expenditure on the following works which were not provided for in the original Estimate but which were asked for subsequently by the Loco: Department. Extension of shed .... Rs 1408-0-0 Item 1 of statement given in Chief Engrs letter No C $\frac{6316}{899}$ 16.7.96 above referred to. Tar and oil tanks .... " 188-2-0 " 2 — do — do — Verandah .... " 170-12-5 " 3 — do — do — Latrine .... " 49-4-0 " 6 — do — do — Enlarging gas shed and fixing a Louvre roof with iron trusses insead of the wooden roof originally provided 1104-14-8 Referred to in the extract from Chief Engrs letter No C $\frac{6316}{899}$ of 16.7.96 above referred to. 2921-1-1
4 Station Machinery				
VII Plant	"	820	+ 820	This expenditure was incurred on a drain and piping which were asked for by the Loco Dept but which are not provided for in the original Estimate.
4 Station & office furniture				
VIII Rolling Stock	35.821	206.633	+ 1[illegible]0.812	The excess is explained in the extract from the Loco: Supdt's letter forwarded to you with my letter No 655 dated 29th July 1896.
2 Carriage and Wagon stock	"	4623	+ 4623	
Total	38.816	219.358	+ 180.5[illegible]2	The allocation of the original Estimate was made in accordance with your letter No 303 of 6th April 1893. This was overruled by the Government of India orders No 307 R.S. dated 29th August '93 and 450 R.S. dated 20th December '93 and the revised Estimate was allocated according to these orders.
Revenue				
Abstract D				
II Fuel, Lighting, water & General Stores.				
(1) Fire, lights &c.	131.953	14.025	117.928	
Total	170.769	233.363	+ 62.594	

Ag. Agent & Manager
19.9.96

5-5

...TO E. R's. C. No. 4088 OF 1896
No. 825 D/ 19-9-96
An

2

(No. I.)

5000-15-3-88.

3 S. P

No. E551
825

Print

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

MADRAS, 19th September 1896.

From

The Ag Agent and Manager,
Madras Railway Company,

To

The Consulting Engineer for Railways.
Madras.

SIR,

CRM 2/E

With reference to your letter No. 2756 of the 4th instant, I have the honor to forward herewith, for your information, copy of the comparative statement received from you, in the remarks column of which explanations are entered for the several items of excess over the original estimate for lighting trains by Pintsch's oil gas.

With regard to para 2 of your letter the Locomotive Superintendent writes:-

"The extra lamp was put into the III class "carriages at the personal request of the "Agent* and Manager who, on inspecting "one of the trains with me, considered that

* Mr Moss

the

4 S.P

"the amount of light given by the two lamp
"as originally fitted was insufficient, the
"centre part of the carriage being practically dark owing to the obstruction
"offered by the intervening lattice work
"partitions."

The Locomotive Superintendent is pressing for the materials required for th work as the fitting of carriages for gas lighting is nearly at a stand still, and will in a few weeks be entirely stopped until the fittings indented for are received. I shall therefore be much obliged if the Indent can be sanctioned at a very early date.

I have the honor to be,
Sir,
Your most obedient Servant,
Henry West
Ag Agent & Manager.

Enclos.

G. No. 4088
Recd. 21/9/96

MADRAS RAILWAY.

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

To
The Consulting Engineer
for Railways.

Dated 188
Recd.
No.

Sanctd in No 3289 d/19.10.96

18/

102 R 13/9/97

Print

No. 833 R dated 30.9.96

To Works
Simla | P

Sir,

I am directed to forward ~~for the sanction of the Govt. of India~~ a revised Est. amounting ~~R~~ 2,33,363-8-2 for adopting Pintsch's system of gas lighting on the M. Ry.

2. The original Est. sanctioned in G.O 3/AA R of 8/1/94 amounted to R 1,70,769 the excess over that Est. being over 10% requires the sanction of the Govt. of India.

3. ~~The explanations~~ A statement showing the different items of excess, and also explanations by the Agent, Loco Supt and ~~Dist.~~ Chief Engineer are appended. The additional lamp in the 3rd class carriages was ordered by the Agent Mr. Moss and was not brought forward for the sanction of the Consulting Engineer.

4. The Agent has submitted an indent for the material required to complete the work and ~~the Loco Supt. now reports that~~ was informed that it would not be signed until the necessary explanation of the excesses had been submitted and the revised Est. sanctioned by the Govt. of India.

5. This information has now been

received and the Sanction of the Board of D has been applied for vide extract attached. The Loco. Supt. reports that the material indented for is urgently needed to complete the fitting of the Stock of which 1/5th remains to be done.

6. I am to request therefore that Sanction to the indent mentioned in para 4 may be communicated by telegraph

Hf
23/4

B/-
No. 833 R dated 30.9.96

Documents accompanying:—

(1) ~~Estimate of plan referred to~~

(2) Copy of letter from the Agent & Manager, M.Ry No. E. 551/655 of 29.7.96

(3) Extract from a letter from the Loco: Supdt. No. A. 13045/638 of 15.6.96

(4) Extract from a letter from the Ag: Chief Engineer No. C. 6316/899 of 16.7.96

(5) Extract from the Agent's letter to the Board M.Ry No. 2267 of 4.8.96

(6) Copy of letter from the Agent & Manager M.Ry No. E. 551/825 of 19.9.96 with Comparative statement

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Public Works (1896) Department.

CURRENT No. 9343

Order

Sanction indent & submit for sig. Hf 17/10

From The Govt. of India

Telegram No. 469 R.S.

Dated 15.10.96.

Received 17.10.96

Enclosures

Spare copies

SUBJECT.

Indent for addl. material for pintsch gas required by the M.Ry.

Sanctioning the transmission to England of the ——

P. W. 3.
1,000—4-9-95.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

D Spfr JH 17/10 Print

13 P

Class.

INDIAN TELEGRAPHS.

Monthly Number. 08165

To (Office) Madras	From (Office) Simla

Words	Day	Hour	Minute	Official Instructions
32/6	15	18	18	Dft

Pass at ok

To (Person) Works Railway Madras Chepauk	From (Person) Works

469 R S (1) Appositely 833 R annslate indent for additional material for pintschs gas on natronas (3) may be transmitted to england

64 Word Form

F.C. 2.

(1) ~~Referring~~ to your letter, numbered & dated as follows ~~to AM~~

(2) 30th ultimo.

(3) M Ry

Recd. from   I.N.   At   Hrs.   Mts. by

Sent to MADRAS 16-10-96   At   Hrs.   Mts. by

Telegraph Master.

1 G B P—No 37 T 112 7.8 96—10 00000.

Stating that the ——
has been held over
pending the receipt of
Board's approval to
the same.

Public Works (1896) Department.

CURRENT No. 9859

Order

From
The Govt of India

No. 498 R.S

Dated 26. 10. 96
Received 2. 11. 96
Enclosures
Spare copies

SUBJECT.

Estimate of the cost of adopting Pintsch's system of gas lighting on the M. Ry.

Stating that the — has been held over pending the receipt of Board's approval to the same.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

JH 2/11

Print

14 P

All communications should be addressed to the Secretary.

No. 498 R.S.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

Railway Stores.

To

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

Simla, the 26th October 1896.

Sir,

In continuation of Government of India telegram No. 469 R.S., dated the 15th October 1896, sanctioning the transmission to England of an indent for additional materials required to complete fittings for Pintsch's gas in the carriages of the Madras railway, I am directed to state that sanction to the revised estimate, amounting to Rs.2,33,363-8-2 forwarded with your letter No.833 R., dated the 30th September 1896, of the cost of adopting Pintsch's system of gas lighting on the Madras railway, has been held over pending the receipt of the approval of the Board of Directors to the same, which, it is stated, has been applied for.

2. I am to take this opportunity to point out that the revised estimate which has been forwarded for the sanction of the Government of India amounts to Rs. 2,33,363-8-2, as stated above, whereas that submitted by the Agent to the Board of Directors for approval amounts to Rs. 2,25,281 only, the difference, it will be seen, being due to the cost of the engineering portion of the work amounting to Rupees 8,082-8-2, having been omitted from the latter.

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

Offg. Under Secretary.

Hcm 26/10/96

Documents accompanying :-

Nil.

B/. No: 953 R of 7 November 96.

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

15 P

READ the following

Letter to the Govt. of India P.W. Deptt. ~~with enclosures~~ } H.E. No: 833 R of 30th Septr 96
Print

Telegram from ~~do~~ Print — — .. 469 R.S. of 15th Octr 96

Letter from ~~do~~ Print — — .. 498 R.S. of 26th do.

Communicated to the Agent & Manager Madras Railway for information, and necessary action with reference to para 2 of letter from the Govt of India read above.

3/11

R

Despatched on 7. 11. 96

To the Agent & Man: Madras Ry.
— " Exr. G. Ry. Accts.

B/
No. 953 R dated 7.11.96

Print

17 S.P

Extract from a letter from the Secretary M. R. Co. No. 942 dated London the 9th October 1896.

Revised Estimate for lighting trains with Pintsch's gas sanctioned.

On the explanation given by the Locomotive Superintendent in his letter to you of the 15th June last, received with your No. 2267 and referred to in para. 10, the Board sanction the revised estimate of Rs 7,25,281/ for completing the lighting in trains on this Railway by Pintsch's oil gas.

(True Extract)

Henry West.
Ag. Agent & Manager.

The Cons.g Engineer for Rys.
Madras.

Enc. No. 1 to E. R's. G. No. 4859 of 1896
Letter No. 975 d 6-11-96
From Am.

Print 6 S.P

Extract from a letter from the Secretary No. 947 d/ 18-12-96.

Estimate for shed for making Pintsch's Gas sanctioned.

16. In para. 16 of No. 2,284 you state that the revised estimate of the cost of lighting trains on the Madras Railway by Pintsch's Oil Gas did not include the cost of erecting a shed for making Gas. I am now to convey, as requested, the Board's sanction to the revised estimate for this work, amounting to Rs. 8,082 . 8 . 2 which has been increased to this amount owing to alterations and additions found necessary subsequent to the preparation of the original estimate of Rs. 2,995.

Ossd. Copy

R. Form No. 12.

No. 35 R

18/ Print

Print with enclosures

Government of Madras.

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

16 P

To

The Secy. to the Govt. of India,
P. W. Department.
Calcutta

Madras, the 18th January 1897.

Sir,

With reference to your letter No. 498 R.S. d/ 26th October 1896, I am directed to forward herewith the approval of the Board of Directors to the revised estimates amounting to Rs 2,33,363-8-2 of the cost of lighting trains on the Madras Railway by Pintsch's oil Gas &c & request that the sanction of the Govt. of India may now be communicated to this Govt.

H.F. 15/1/97

Docts. recy.

19/1/97

Ext. Board's letter No. 942 d/ 9.10.96
Do — do — 947 d/ 18.12.96

Rf

No. 35 R dated 18/1/97

Public Works (1897) Department.

CURRENT No. 1377

Order

From
The Govt of India
P.W.D.

No. 55 R.S.

Dated 2nd February 1897
Received 8.2.97
Enclosures
Spare copies

SUBJECT.

Lighting trains on the M. Ry. with Pintsch's oil gas

—

Sanctioning the revised Estimate amounting to Rs 2,33,363-8-2 of the cost of —

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

---

18 P

No. 55 R.S.

All communications should be addressed to the Secretary.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
RAILWAY STORES.

Print

To

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

Calcutta, the 2nd February 1897.

Sir,

With reference to correspondence ending with your No.35 R. dated the 18th January 1897, I am directed to convey the sanction of the Government of India to the revised estimate amounting to Rs.2,33,363-8-2 forwarded with your No.833 R. dated 30th September 1896 of the cost of lighting trains on the Madras Railway with Pintsch's oil gas.

2. This sanction which is chargeable in the proportion of Rs.2,19,338-8-2 to Capital and Rs.14,025 to Revenue has been registered as No.3 Madras railway of 1897 and is in supersession of the sanction given in Government of India No.450 R.S. dated 20th December 1893.

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

G A Anderson
Under Secretary.

Hew
2/2/97

Documents accompanying:-
Nil.

M.I.

No. 102. R dated 13.2.97

(R.) Form No. 3.

A

A/-

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

19 P.

READ again the following

Procgs. of the Madras Govt: P. W. Deptt: — } H.E. No: 953 R of 7th Novr 96

Read also

Letter to the Govt: of India P. W. Deptt: — } H.E. No: 35 R of 18th Jany 1897

Letter from do — " — " — 55 R.S. of 2nd Feby 1897

Print

Print

Print

Communicated to the Agent & Manager, Madras Railway, for information.-

2. This sanction has been registered as No 30. R of 1896-97 and is in supersession of the sanction communicated in G.O. No: $\frac{3}{A}$ R of 8th January 1894.-

12/2/97

Ms copy to AM

To The Agent & Man: M. Ry } Despd 13/2/97
– " – Exr G. Ry. Accts:

12/2/97

A/-
No. 102. Redated 13.2.97