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. 3035 Press / Mis.

464.465

Dated 20. 12. 1872.

Not to be folded or roughly handled

No. 464. Read the following letter from the Acting Deputy Consulting Engineer for Railways, to the Secretary to Government, Public Works Department, dated Madras, 29th October 1872, No. 583 :—

In reply to Captain Smith's letter of the 14th instant, No. 151, I have the honour to inform you that, on receipt of the Order of Government dated 14th May 1872, No. 1,339-A., the Agent of the Great Southern of India Railway Company was asked whether he would be able to arrange for an early examination of the bed of the Coleroon river. I enclose copies of the replies* received from the Agent and Chief Engineer, and I am directed to state that the Consulting Engineer concurs with Mr. Logan in thinking it expedient to postpone, until after the north-east monsoon, all attempts to examine the bed of the river.

* No. 4,567, dated 24th June 1872, with enclosure.
No. 4,748, dated 17th October 1872.

2. With regard to the preliminary work in connection with the preparation of the plans and estimates for the line between Cuddalore and the *north* bank of the Coleroon, it will be seen from Mr. Fisher's letter that this work is now so far advanced that it need not interfere with the collection of material and other preliminary work, in connection with the line between Cuddalore and Madras.

Enclosure No. 596, dated 16th October 1872.

From the Agent of the Great Southern of India Railway, to the Consulting Engineer for Railways, dated Negapatam, 24th June 1872, No. 4,567.

The inquiry contained in the 2nd paragraph of your letter No. 225 of the 8th instant, was sent to this Company's Chief Engineer, and I now attach for your information copy of Mr. Logan's reply.

From D. LOGAN, Esq., Chief Engineer, to the Agent of the Great Southern of India Railway, dated Trichinopoly, 17th June 1872, No. 05.

Your No. 4,742-1,483 of 12th instant.

I cannot very well at present detach any one to examine the Coleroon without serious damage to the progress of the extension works; but this is the less to be regretted that, owing to the Coleroon being in flood, its bed cannot be investigated with any degree of certainty. By the time the floods from the western hills subside, I shall probably be able to spare an Engineer from the increased staff which we shall shortly have at work.

2. So far as I was able to ascertain from inquiry I have reason to believe that the bed of the river consists of sand for a considerable depth. The existing road bridge of 40-50 feet arch spans is built upon wells reaching about 10 feet below the bed of the river.

3. With reference to this bridge and paragraph 6 of the letter of the Acting Sub-Collector of South Arcot to his Collector (dated 7th October 1871), I would remark that the suggestion to use the existing bridge for railway purposes did not emanate from me, nor do I consider that it would be at all safe to attempt to make such a use of any ordinary road structure of the kind in this part of the country, especially a bridge built on 10 feet foundations in the sandy bed of a large river. I think that it will be found that a screw-pile bridge will be most suitable for this crossing, especially if, as I have reason to believe will turn out to be the case, the bed of the river consists of sand to a very considerable depth.

4. This assumption would at all events be sufficient to enable an approximate estimate of a bridge to be made.

Proceedings of the Madras Government, Public Works Department,
20th December 1872.

From the Agent of the Great Southern of India Railway, to the Consulting Engineer for Railways, dated Negapatam, 17th October 1872, No. 4,748.

Your letter No 432, dated 12th instant.

In reply to my letter to the Chief Engineer asking him to let me know if he could detach one of the Engineers for the purpose referred to in your letter under reply, Mr. Logan writes to me as follows:—"I regret to say that I have no one whom I can spare at present; but if I had, I do not think it would, unless the work is very emergent, be advisable to undertake boring operations at present just as the north-east monsoon is about to burst. If the work can be allowed to stand over until after the monsoon towards the end of December or the beginning of January next, I will have the work undertaken and a more thorough examination of the river-bed made than, in my opinion, can be made at this season."

2. Will you kindly inform me if the arrangement proposed by Mr. Logan meets your views.

From the Agent and Manager of the Carnatic Railway Company, to the Consulting Engineer for Railways, dated Madras, 16th October 1872, No. 596.

In reply to your letter No. 276, dated the 15th instant, I have the honour to report that the field-work of the trial survey between Cuddalore and the Coleroon river is already completed, and the plans of the survey, with rough estimate, are expected to be ready for submission to Government in the course of three or four weeks.

2. The preliminary work in connection with the collection of material, etc., for the line to Cuddalore can, therefore, be superintended by the Company's staff at its present strength without delay to the survey operations south of Cuddalore, pending the sanction of Government for the establishment for the half-year ending June 30th, 1873, as considered at our meeting at this Office this morning, and the particulars of which will be submitted in another letter.

No. 465. Order thereon, 20th December 1872, No. 3,035.

RAILWAY, No. 72.

Ordered to be recorded.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Consulting Engineer for Railways.

Ed. F. R. Bantleman.

3

№ 4667.

Great Southern of India Railway
Agent's Office
Negapatam, June 24th 1872.

From,
The Agent
Great Southern of India Railway

To,
The Consulting Engineer
for Railways
Madras.

Sir,

The inquiry contained in the second paragraph of your letter № 225 of the 8th instant was sent to this Company's Chief Engineer, and I now attach for your information copy of Mr. Logan's reply.

I have &c.
(sd) William P. Betts
Agent.

Great Southern of India Railway
Chief Engineer's Office
Trichinopoly June 17th 1872.

№ 05

W. P. Betts Esqre.

My dear Sir,

Your 4742/1488 of 12th instant I cannot very well at present detach

detach any one to examine the Coleroon without serious damage to the progress of the Extension Works: but this is the less to be regretted that owing to the Coleroon being in flood its bed cannot be investigated with any degree of certainty. By the time the floods from the western Hills subside I shall probably be able to spare an Engineer from the increased staff which we shall shortly have at work.

So far as I was able to ascertain from enquiry I have reason to believe that the bed of the river consists of sand for a considerable depth. The existing road bridge of 40-50 feet arch spans is built upon wells reaching about 10 feet below the bed of the river.

With reference to this bridge and para 6 of the letter of the acting Sub Collector of South Arcot to his Collector

/dated

/dated 7th October 1871/ I would remark that the suggestion to use the existing bridge for railway purposes did not emanate from me, nor do I consider that it would be at all safe to attempt to make such a use of any ordinary road structure of the kind in this part of the country especially a bridge built on 10 feet foundations in the sandy bed of a large river. I think that it will be found that a screw pile bridge will be most suitable for this crossing, especially if as I have reason to believe will turn out to be the case- the bed of the river consists of sand to a very considerable depth.

This assumption would at all events be sufficient to enable an approximate estimate of a bridge to be made.

Yours &c.

/sd/ David Logan
Chief Engineer

/True Copy/
Fred. W. Hagemann
Head Clerk Agents' Office.

№ 4748.

Great Southern of India Railway
Agent's Office
Negapatam October 17th 1872.

From
The Agent
Great Southern of India Railway

To The Consulting Engineer
for Railways
Madras.

Sir,

Your letter № 432 dated 12th instant.

In reply to my letter to the Chief Engineer asking him to let me know if he could detach one of the Engineers for the purpose referred to in your letter under reply, Mr Logan writes to me as follows. "I regret to say that I have "no one whom I can spare at present; "but if I had, I do not think it "would, unless the work is very emergent, "be advisable to undertake heavy "operations at present just as the "north-east monsoon is about to "burst. If the work can be allowed

to

CARNATIC RAILWAY CO., (LIMITED.)

AGENT AND MANAGER'S OFFICE,
MADRAS, 16 October 1872.

No. 596.

FROM
J. J. Tasker Esqre
AGENT AND MANAGER, CARNATIC RAILWAY CO.,
Madras.

To
Lieut-Col. J. F. M. Shaw Stewart R.E.
CONSULTING ENGINEER FOR RAILWAYS,
Madras.

SIR,

In reply to your letter № 276. dated the 15 Inst. I have the honor to report that the field work of the trial survey between Cuddalore & the Coleroon river is already completed and the plans of the survey with rough estimate are expected to be ready for submission to Government in the course of 3 or 4 weeks.

The preliminary work in connection with the collection of Material &c. for the line to Cuddalore can therefore be superintended by the Co's staff at its present strength without delay to the survey operations South of Cuddalore pending the sanction of Government for the

Establishment

Establishment for the half year ending
June 30. 1873. as considered at our
meeting at this office this morning
and the particulars of which will be
submitted in another letter.

I have the honor to be.

Sir.

Your most Obt. Servt.

Jos. T. Fisher
Agent & Manager.

From

The Agent and Manager,
GALVANIC RAILWAY COMPANY,
(LIMITED.)
MADRAS.

The Consulting Engineer
for Railways.

Dated 27th May 1873
Rect. 17th June 1873
No. 2[illegible]

Sir,

I have the honor to acknowledge the receipt of your letter No. [illegible] dated the 27th ultimo, and in reply to state that I am about to proceed to Madras, and that I will call upon you on my arrival there.

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

P. M. [illegible]

to stand over until after the monsoon,
towards the end of December, or the
beginning of January next, I will
have the work undertaken and a
more thorough examination of the
river bed made, than, in my opinion
can be made at this season:

Will you kindly inform
me if the arrangement proposed by Mr.
Logan meets your views.

I have &c.

Jos. William S. Bellis
Agent.

/True Copies/

Chas. Mitchell Lieut. R.E.,
Ag. Dy. Cons. Engineer for Railways.

Railway Department. CONSULTING ENGINEER'S OFFICE,

No. 583.

From Lieut.-Col. H. P. Christie, R.E.,
LIEUT.-COLONEL J. H. M. SHAW STEWART, R.E.,
Offg. Dy. Consulting Engineer for Railways,

To

COLONEL G. W. WALKER, R.E.,
Secretary to Government,
Public Works Department,
Fort Saint George.

SIR,

In reply to Captain Smith's letter of the 14th instant, No: 151, I have the honour to inform you that, on receipt of the Order of Government dated 14th May 1873, No: 1339 A, the Agent of the Great Southern of India Railway Company was asked whether he would be able to arrange for an early examination of the bed of the Coleroon river. I enclose copies of the replies received from the Agent and Chief Engineer, and

+ 10456/724 June 1872 with enclosure 10474/831 October 1872

12/10/11

Public Works 15 / 2 Sept.

No. 5276

RAILWAY DEPARTMENT.

1872.

From Actg Capty
The Consulting Engineer
for Railways,

To

The Secretary to Government,
P. W. Department,
Fort Saint George.

Dated 29 } October 1872.
Recd. 31 }

Ackd. Recd. 2.
No. 3035. 29th Octr 72

Informing that Consg Engr concurs with Mr Logan as to the expediency of delaying the examination of bed of Coleroon till N.E. Monsoon is over, stating that preliminary work executed already will not interfere with the collection of material Withdrawn

Copy

Public Works Dept

Rec'd 29/10/72

Ackd 2/11/72

No 3035

Ordered to be recorded

Recorded

Chief Engr

and I am directed to state that the Consulting Engineer concurs with Mr. Logan in thinking it expedient to postpone, until after the North-East monsoon, all attempts to examine the bed of the river.

2. With regard to the preliminary work in connection with the preparation of the plans and Estimates for the line between Cuddalore and the North bank of the Coleroon, it will be seen from Mr Fisher's letter, that this work is now so far advanced that it need not interfere with the collection of materials, and other preliminary work, in connection with the line between Cuddalore and Madras.

Enclosure No. 596
to 16 October 1872.

I have the honour to be
Sir
your most obedient servt.

Madras
29th October
1872

Lieut, R.E.,
Actg. Dy. Cons. Engr. for Rys.

Ch 5276

Govt. of {1872} Madras.

PUBLIC WORKS.

To The Commanding Engr for Railways

Dated

Recd. Encl. 2

G. O. 20 Dec 1872. 3035

Nos. 464 & 465

Railway. Letter from the Engineer Regarding the Establishment & Organization of the Red & Northern Lines, Despatched