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.

Revenue DEPARTMENT.

Press Mis-

G.O. No. 2345-49

Dated 27-9- 1870.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 29th September 1870.

No. 505. Read the following Endorsement of the Acting Consulting Engineer for Railways, dated Madras, 8th September 1870, No. 361:—

Read the following letter from the Agent of the Great Southern of India Railway, to the Acting Consulting Engineer for Railways, dated Negapatam, 6th September 1870, No. 3,734.

I ATTACH hereto for information copy of the Chief Engineer's remarks upon the letter from the Deputy Secretary to the Government of India, Public Works Department, (Railway,) dated the 28th July last, No. 1,318-R.

From the Chief Engineer, to the Agent of the Great Southern of India Railway, dated Trichinopoly, 3rd September 1870, No. 2,405.

I HAVE received your letter No. 10,111-3,714, of the 29th instant, giving cover to an Order* of the Government of Madras upon a letter† from the Government of India on the subject of the Engineering Staff on the Rajpootana State Railway; to the concluding clause of paragraph 2 and paragraph 3, of which the Consulting Engineer draws attention.

* No. 2,015, of 22rd August 1870.

† Dated Simla, 28th July 1870.

2. With reference to paragraph 2, in their letter‡ of 21st May last to the Government of Madras, the Government of India write, (paragraph 5,) "In order to give a clear idea of the "views of the Government of India with respect to Railway Survey Establishments, I am instructed "to inform you that the Superintending Engineer entrusted with the charge of the State Railway "survey in Rajpootana between Agra and the Southern Salt Lakes has under him * * * * "Copy of a Memorandum showing the proportion of tents, equipage, and Subordinate Establishment "that has been generally approved for State Railway surveys is also enclosed for information."

‡ Dated Simla, 21st May 1870, No. 893-R.

3. My inference on reading the foregoing was that the statement was forwarded as a standard to which the Government of India intended us to work up.

4. I am glad, however, to find that I have misapprehended the intention of the Government of India, and that they do not regard data of this kind for State Railways, as the standard by which to judge of proposals for our extension in the south, because, although my asking for further information on this subject was prompted by a desire clearly to apprehend and follow the wishes of Government as far as circumstances might permit, I could not but feel that our system and circumstances in Southern India differed in so many respects from those of Northern India, that the standard for the one would be unsuited for the other.

5. With reference to paragraph 3 I am somewhat at a loss, because, *at once*, on receipt of the criticisms upon my estimate by the Government of India, I forwarded an explanation which was submitted by the Consulting Engineer to the Government of Madras as "satisfactory." I am therefore, uncertain whether this explanation had reached the Government of India at the date of writing their letter under reference, or whether having reached it has not been approved.

6. If the latter be the case, while greatly regretting it, I would beg leave to supplement my former explanation by the following remarks:—The objections which the Government of India took to my estimate and the number of men engaged would be perfectly sound and correct if the appointment of the Engineer Staff had reference to nothing but the preliminary surveys, but these preliminary surveys and estimates were for the greater part made some years ago and little remained but the actual staking out of the line and the actual beginning of the works, for which purpose it is of the most vital importance to have each Engineer (and his chief subordinates) on his own work from the outset, that he may get accustomed to his district, that the people may know him, and that he may be responsible from the very first for all arrangements connected with

the gathering of materials, the opening of the brickfields, quarrying stone, etc., etc. This is the plan which was instituted by Mr. Bruce seventeen years ago when, as Chief Engineer of the Madras Railway, he started Railway operations in the Madras Presidency. It has been adhered to by successive Railway Chief Engineers in Madras, has been sanctioned and approved by the successive professional advisers of the Madras Government, and when a departure from the system took place, it resulted in an experience which only confirmed the wisdom of the original plan. Above all the results of the system may be seen in a comparison of the cost of the Railways in the Madras Presidency with that of the Railways in the rest of India. If more is required I would point to the fact that during the year 1864, in which we began operations on the Erode Extension while surveying and staking out work was carried on, we organized a working staff, opened quarries, established brickfields, built bungalows, manufactured tools and plant, and had, at the end of the year, nearly seven thousand cubic yards of masonry built, with materials ready for as much more over seven miles of embankment formed, the telegraph constructed and at work. On the present extension, on the contrary, from the change of system which has been forced upon us, up to this time nothing whatever has been done in the work of construction, and the staff are still without shelter or any near prospect of it.

7. The accumulated experience of years as to the best system of departmental working in this part of the country has been rendered of no avail, and the opening of the Railway has been delayed at least a year.

8. To these facts and this experience I appeal for the fitness of my proposals in the hope that Government may see it to be to the advantage of all concerned to enable us to continue a system with which we are thoroughly acquainted, and which has proved, heretofore, so satisfactory in its results.

From the Agent of the Great Southern of India Railway, to the Acting Consulting Engineer for Railways, dated Negapatam, 6th September 1870, No. 3,735.

I HAVE to solicit the orders of Government upon the attached copy of letter from the Chief Engineer.

2. Now to disband the staff which was carefully selected by Mr. Logan, and which has gained experience from the past few months training, would be impolitic; and I trust you will be able to obtain sanction to my proceeding with the collection of material, the construction of the telegraph, and the erection of bungalows, (which will afford employment to this staff,) so that we shall be fully prepared, when the order for putting construction works in hand is received, to commence active operations immediately.

From the Chief Engineer, to the Agent of the Great Southern of India Railway, dated Trichinopoly, 3rd September 1870, No. 2,399.

BEFORE the end of this month the majority of the Assistant Engineers will have completed their field operations. I shall be glad to receive the instructions of Government as to their disposal, and more particularly of the Subordinate Staff, to whom, if their services are to be dispensed with, one month's notice is due.

2. I would also beg to bring to notice that I have a Masonry Inspector in receipt of Rupees 236 a month, for whom I am unable to provide suitable employment. He is therefore idle, or nearly so, and I need not point out how unadvisable in the interest of the work, and of the mans own well being such a state of matters is.

SUBMITTED to Government.

2. As the survey work in the field is approaching completion, the Agent of the Great Southern of India Railway represents that the Subordinate Staff will be without employment, unless sanction is given for the collection of material, etc.

G. O., No. 1,406, dated 6th June 1870. The Government of India, however, have, in letter No. 891-R, of 21st May 1870, expressed their readiness to accord such sanction when the needful preliminaries

have been decided, and I presume an early reply may be expected on this point with reference to the survey estimate submitted, as per G. O., No. 2,080, dated 30th August 1870. I have requested the Agent's special attention to paragraph 2

G. O., No. 875, dated 29th March 1870. of letter from the Government of India, No. 457-R, dated 14th March 1870, that "it is specially necessary not to commit the Government on any matter connected "with the construction of the telegraph on the projected Railway, as the Govern- "ment of India may desire to undertake the work itself."

(Signed) H. L. PRENDERGAST, Captain, R.E.,
Acting Consulting Engineer for Railways.

No. 506. ORDER THEREON, 29th September 1870, No. 2,348.

RAILWAY, No. 52.

ORDERED that these papers be forwarded to the Government of India.

(Here enter No. 2,349, dated 29th September 1870.)

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Acting Consulting Engineer for Railways.

Exd. E. C. Shunker.

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, *29th September* 1870.

No. 507.

No. 2,349.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

RAILWAY, No. 53.

SIR,—In continuation of my letter of the 30th August 1870, No. 2,081, I am directed to forward the accompanying papers submitted by the Acting Consulting Engineer for Railways, in which sanction is requested to the collection of materials, the construction of the telegraph, and the erection of bungalows on the Southern Extension of the Great Southern of India Railway.

2. It is explained that, as the field work is approaching completion, the Subordinate Establishment engaged on the survey will, unless authority is granted for the commencement of preliminary operations, be left without employ, and it is urged that, to disband a staff which has been carefully selected, and has since been trained would be impolitic. For these reasons, and in order to admit of the work of construction being at once begun on the sanction of the Government of India being obtained to the complete estimate, I am to request that early sanction may be communicated to the approximate estimates for the preparation of materials, etc., which were submitted with my letter above referred to.

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

Colonel, R.E.,

Secretary to Government.

Exd. E. C. Shunker.

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, *29th September* 1870.

No. 507.

No. 2,349.

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

Colonel, R.E.,

Secretary to Government.

Exd. E. C. Shunker.

No. 3734

GREAT SOUTHERN OF INDIA RAILWAY.

AGENT'S OFFICE,

NEGAPATAM, September 6 1870

From

THE AGENT,

Great Southern of India Railway,

To The Acting Consulting Engineer
for Railways
Madras

SIR,

I do myself the honor to forward herewith for information a copy of the Chief Engineer's remarks upon the letter from the Deputy Secretary to the Government of India, Public Work Department (Railway) dated the 28th July last No 1318. R.

I have the honor to be,
Sir
Your most obt. Servant
Caldecourt Bliss
Agent

No 3734

From
The Agent
G. S. I. Ry
Negapatam

To
The Cons. Engineer
for Ry
Madras

Dated 6th Sept 1870
Recd

Forwarding copy of
Chief Engineer's letter
re Engineering Staff

No 2405 Great Southern of India Railway
Chief Engineer's Office
Trichinopoly 3rd September 1870.

W. S. Betts Esqre

My dear Sir

I have received your letter No 1011/3714 of the 29th Instant giving cover to an (1) order of the Government of Madras upon a (2) letter from the Government of India on the Subject of the Engineering Staff on the Rajpootana State Railway; to the concluding clause of para 2. and para 8 of which the Consulting Engineer draws attention.

(1) No 2015 of 22nd August 1870
(2) dated Simla 28th July 1870

With reference to Para 2. In their (1) letter of 21st May last to the Government of Madras the Government of India write (para 5) "In order to give a "clear idea of the views of the Government "of India with respect to Railway Survey "Establishments I am instructed to inform you "that the Superintending Engineer entrusted "with the charge of the State Railway Survey "in Rajpootana between Agra and the "Southern Salt lakes has under him + + + + "copy of a memorandum showing the proportion "of tents equipage and Subordinate Establishment "that has been generally approved for State "Railway Surveys is also enclosed for information"

(1) dated Simla 21st May 1870 No 893 R.

My inference on reading the foregoing was

was that the Statement was forwarded as a Standard to which the Government of India intended us to work up.

I am glad however to find that I have misapprehended the intention of the Government of India and that they do not regard data of this kind, for State Railways, as the Standard by which to Judge of proposals for our Extension in the South; because, although my asking for further information on this Subject was prompted by a desire clearly to apprehend and follow the wishes of Government as far as circumstances might permit, I could not but feel that our System and circumstances in Southern India differed in so many respects from those of Northern India that the Standard for the one would be unsuited for the other.

With reference to para 2 I am somewhat at a loss because, at once on receipt of the criticisms upon my Estimate by the Government of India I forwarded an Explanation which was submitted by the Consulting Engineer to the Government of Madras as "Satisfactory". I am therefore uncertain whether this explanation had reached the Government of India at the date of writing their letter under reference or whether having reached, it has not been approved.

If the latter be the case, while

to supplement my former explanation by the following remarks. The objections which the Government of India took to my Estimate and the number of men engaged would be perfectly sound and correct if the appointment of the Engineer staff had reference to nothing but the preliminary Surveys, but these preliminary Surveys and Estimates were for the greater part made some years ago and little remained but the actual staking out of the line and the actual beginning of the works, for which purpose it is of the most vital importance to have each Engineer (and his Chief Subordinates) on his own work from the outset, that he may get accustomed to his District, that the people may know him and that he may be responsible from the very first for all arrangements connected with the gathering of materials, the opening of the brickfields, quarrying stone &c &c. This is the plan which was instituted by Mr Bruce 17 years ago when as Chief Engineer of the Madras Railway he started Railway operations in the Madras Presidency — It has been adhered to by successive Chief Engineers in Madras, has been sanctioned and approved by the successive professional advisers of the Madras Government, and when a departure from the System took place it resulted in an Experience which only confirmed the wisdom of the original plan. Above all the

results

results of the System may be seen in a comparison of the cost of the Railways in the Madras Presidency with that of the Railways in the rest of India. If more is required I would point to the fact that during the year 1864 in which we began operations on the Trade extension, while Surveying and Staking out work was carried on, we organized a working Staff, opened quarries, established brickfields, built bungalows, manufactured tools, and plant, and had at the end of the year nearly 7000 cubic yards of masonry built, with materials ready for as much more, over 7 miles of Embankment formed, the telegraph constructed and at work - On the present Extension on the contrary from the change of System which has been forced upon us, up to this time nothing whatever has been done in the work of Construction and the Staff are still without Shelter or any near prospect of it.

The accumulated experience of years as to the best System of Departmental working in this part of the country has been rendered of no avail and the opening of the Railway has been delayed at least a year.

To these facts and this experience I appeal for the fitness of my proposals

in the hope that Government may see it to be to the advantage of all concerned to enable us to continue a System with which we are thoroughly acquainted and which has proved heretofore so satisfactory in its results.

I remain faithfully
(Sgd) David Logan
Chief Engineer

/ True Copy /
Clerk

Ellt

No. 3735 GREAT SOUTHERN OF INDIA RAILWAY.

AGENT'S OFFICE,

NEGAPATAM, September 6 1860

From

THE AGENT,

Great Southern of India Railway.

To

The acting Consulting Engineer
for Railways &c.
Madras

SIR,

I have to solicit the orders of Government upon the attached copy of letter from the Chief Engineer & Director dated the 31st ultimo which was carefully selected by Mr Logan and which has gained experience from the past few months training, would be impolitic; and I trust you will be able to obtain sanction to my proceeding with the collection of material, the construction of the telegraph, and the erection of Bungalows (which will afford employment to his staff) so that we shall be fully prepared when the order for putting construction works in hand is received, to commence active operations immediately

I have the honor to be,
Sir
Your most obt. Servant
William Betts
Agent

Inchicore 3rd September 1879

No 2399

W. L. Betts Esq.
My dear Sir

Before the end of this month the majority of the assistant Engineers will have completed their field operations – I shall be glad to receive the instructions of Government as to their disposal and more particularly of the Subordinate staff to whom, if their services are to be dispensed with, one months notice is due.

I would also beg to bring to notice that I have a Masonry Inspector in receipt of £6 2s 6/— a month for whom I am unable to provide suitable employment. He is therefore idle or nearly so and I need not point out how undesirable it is in the interest of the work, and of the mans own wellbeing such a state of matters is

Yours faithfully
(Signed) David Lagan
Chief Engineer

True copy.
Thomas Brennan
Clerk

Dublin 6th Sept 1879

Memorandum for Chief Engineers Office

The attached letter from Mr Lagan Inspector of Masonry is submitted for the consideration of the Board

Thomas Brennan
Asst Clerk

No. 361.

Submitted to Government.

2. As the Survey work in the field is approaching completion, the Agent of the Great Southern of India Railway, re= =presents that the Subordinate Staff will be without employment, unless sanction is given for the collection of material &c. The Government of India however have, in letter No 894 R of 21st May 1870, G.O. No 1406 dated 6th June 1870. expressed their readiness to accord such sanction, when the need-ful preli= =minaries have been decided: and I presume, an early reply may be expected on this point, with reference to the Survey estimate, submitted, as per G. O. No 2080 dated 30th August 1870. I have requested the Agent's special attention to para 2 of letter from the Government of India No 457 R dated 14th March 1870, that "it is specially G.O. No 875 dated 29th March 1870.

No 3537.

"necessary not to commit the Government,
"on any matter connected with the con-
"struction of the telegraph on the projected
"Railway, as the Government of India
"may desire to undertake the work
"itself."

I have &c.

Captain R.E.

Madras
8th September
1870

Acting Cons: Engineer
for Railways

To

The Secretary to Government
Public Works Department
Fort St. George

Government for
proceeding with the
collection of materials
&c. &c.

P.W. 1870. Sept. Proc. Govt. Order No. 3563

From

The Consulting Engineer
for Railways,

To

The Secretary to Govt.
P.W. Dept.

Dated 6th
Received 8th } Sept. 1870.

No. 361. Encls 4

Observations
on letters received
from the Agent and
Traffic Manager of the
G.I.P. Railway
requesting the sanction
Nos 2348 & 2349-295

No. 575
Despd 16 Oct. 13 Lett. 1870 to Bd. 22nd

No. 2348

Proceedings of the Madras Government.

Dated the 29th Sept. 1870.

Read the following.

From the Cons.g Engineer
for Railways. No. 361 of 8th Sept. 1870.

Ordered that these
papers be forwarded to
the Govt. of India.

No. 352

To The Cons.g Engineer
for Railways
Dep.t 30/9/70

H. E. No. 2349 dt 29 Sept. 70

To
The Secy: to the Govt.
of India P. W. D.

Sir
In continuation of
my letter of the 30th
August 1870 No. 2081.
I am directed to forward
the accompanying papers
submitted by the Acting
Consulting

Sp 3503

Govt. of India Stndrs.

PUBLIC WORKS.

To Chief Consulting Engineer for Railways and To the Secretary to the Govt of India

Dated 5th 4

Recd.

G. 29 Sept. 1348 & 2349

Nos. 505-506 & 507

Southern Extension. Papers regarding orders for Railways from the Foreign Office requiring sanction of the Secretary of State to the Extension of Materials, &c, for the Southern Extension of the G I P Railway.

Requesting early attention to Extensions &c. Enclosures to Letter No 2081 of 1870

G.