

(1) Number of pages 44(2) Date of repair 8-5-44

(3) Initials of the Referencer \_\_\_\_\_

**MADRAS RECORD OFFICE.****Government of Madras.***Public works* **DEPARTMENT.**

|                 |                         |
|-----------------|-------------------------|
| G.O. No. 487-88 | Press<br><del>Mis</del> |
| 387-90          |                         |
| Dated 17. 2     | 1871.                   |

**Not to be folded or roughly handled**

*Proceedings of the Madras Government, Public Works Department,  
17th February 1871.*

Read the following papers —

No. 387. Endorsement of the Acting Consulting Engineer for Railways, dated Madras, 2nd February 1871, No. 54.

From the Agent of the Great Southern of India Railway, to the Acting Consulting Engineer for Railways, dated Negapatam, 30th January 1871, No 3,894.

IN continuation of my letter No 3,881, of the 24th instant, I forward herewith copy of the Chief Engineer's explanation regarding his staff arrangements.

2. This communication supplies the information called for in G. O., No. 236, of the 26th instant.

From the Chief Engineer, to the Agent of the Great Southern of India Railway, dated Trichinopoly, 29th January 1871, No 3,012

YOUR No 208, of the 24th instant, with copy of the Consulting Engineer's No 22, of 20th instant. The meaning of the paragraph (in my letter No 2,959, of the 6th instant,) referred to was this,

2 In 1869 the Secretary of State for India sanctioned a staff of 15 Engineers being sent to India by our Directors. A good many of these gentlemen were sent out, but at my request the full complement was not made up until I could discover whether the Government of India would relax their Order of 2nd September 1869, No 1,277

3 I now desire to learn, with some degree of certainty, the time about which we are to get sanction to begin the preliminary works of collecting material, building bungalows, and the like, so that I may arrange to re-place the experienced men whom we lost in the first half of last year and to make the staff of Engineers up to its sanctioned strength. It is manifestly impolitic to wait until sanction to begin our work is actually received before this is done, because, as I have already on several occasions pointed out, instead of then starting the works with a staff with the members of which I am somewhat acquainted, and who on their part have got to be a little accustomed to the country, I shall be employed in getting together, and in some degree training, the Assistants for the work.

4 The further strength, therefore, which I require to make my Assistant Engineers staff up to the full sanctioned number, and the manner in which I propose to obtain it is partly by requisition on our Consulting Engineer in London, and partly by engaging, under the sanction of the Madras Government and the Board, any experienced men whom I may consider eligible in this country

5 I enclose the statement called for by the Consulting Engineer, showing the staff arrangements which I would propose up to, say, 31st March next, by which time I trust orders may be received on the location of the line

6. I think it would simplify matters if sanction were accorded to the disbursement monthly, until further orders, of the sum necessary to pay the Covenanted staff, because, unless six months' notice to quit is given to the members of this staff, they must be paid this sum monthly during the currency of their agreements. I would, therefore, ask sanction to a sum of Rupees 8,348-5-0 being disbursed monthly to the Covenanted staff

7. A very large number of copies of the working drawings must be made for Government, for the Board of Directors, and for the Engineers and Inspectors, and I ask sanction to the disbursement of Rupees 1,500 for Draughtsmen, being at the rate of Rupees 250 per mensem for six months from 1st February. It is difficult to estimate when this work will be finished, but I do not think that it can be completed in less time, with the material I have to work with it is more likely to be longer, but before the expiry of six months I trust that the working staff to be applied for with the estimates will be sanctioned

8 I ask sanction to a disbursement of Rupees 1,850 from 1st February up to 31st March to retain certain members of the Uncovenanted staff, to dispense with whom at the present juncture would be most prejudicial to the interests of the Company.

*Proceedings of the Madras Government, Public Works Department,  
17th February 1871.*

9 In the event of the lockspitting of the land required for the line being sanctioned, I estimate that with my present staff, allowing for contingencies, it will take four months to mark out the whole 860 miles, and the above sum would therefore be increased to Rupees 3,700 (four months at Rupees 925 from 1st February) plus Rupees 3,920 for lascars, etc., and Rupees 9,675 for labour and material in lockspitting

**GREAT SOUTHERN OF INDIA RAILWAY**  
**SOUTHERN EXTENSION—ENGINEERING DEPARTMENT**

*Statement referred to in Chief Engineer's letter No 3,012, dated 29th January 1871*

|                                                   | RS    | A. | P. |
|---------------------------------------------------|-------|----|----|
| Covenanted Staff for whom funds must be provided— | 1,800 | 0  | 0  |
| 1 Chief Engineer                                  | 1,636 | 6  | 0  |
| 2 1st Class Assistant Engineers                   | 1,272 | 12 | 0  |
| 2 2nd do do                                       | 2,272 | 13 | 0  |
| 5 3rd do do                                       | 236   | 6  | 0  |
| 1 Masonry Inspector                               | 1,000 | 0  | 0  |
| Batta for above, say                              | 8,218 | 5  | 0  |
| Cost per mensem                                   | 130   | 0  | 0  |
| Office rent                                       | 8,348 | 5  | 0  |
| Total cost per mensem                             |       |    |    |

|                                                                                                              |     |   |   |
|--------------------------------------------------------------------------------------------------------------|-----|---|---|
| Staff necessary for the preparation of copies of drawings for Government,<br>the Board, and Engineers, etc — | 250 | 0 | 0 |
| Draughtsmen and Moochees                                                                                     | 250 | 0 | 0 |
| Total per mensem                                                                                             |     |   |   |

For six months from 1st February 1871 ... 1,500 0 0

Uncovenanted staff whose services it would be prejudicial to the interests  
of the Company to dispense with—

|                                |     |   |   |
|--------------------------------|-----|---|---|
| 1 Manager                      | 350 | 0 | 0 |
| 1 Sub-Assistant Engineer       | 250 | 0 | 0 |
| 1 Engineering Assistant        | 150 | 0 | 0 |
| 1 Do do                        | 100 | 0 | 0 |
| Batta and travelling allowance | 75  | 0 | 0 |
| Total per mensem               | 925 | 0 | 0 |

|                                                                                       |     |   |   |
|---------------------------------------------------------------------------------------|-----|---|---|
| Staff necessary to enable the Engineers to take the field in lock-<br>spitting, etc — | 450 | 0 | 0 |
| 9 Apothecaries                                                                        | 480 | 0 | 0 |
| 60 Lascars                                                                            | 50  | 0 | 0 |
| 1 Writer                                                                              | 980 | 0 | 0 |
| Total per mensem                                                                      |     |   |   |

For four months ... 3,920 0 0

Estimated of cost of lockspitting 215 miles of Railway, 4 lines = 860  
miles of lockspitting—

|                                                    |       |   |   |
|----------------------------------------------------|-------|---|---|
| Labour in lockspitting 860 miles at 10 per cent.   | 8,600 | 0 | 0 |
| Bamboos, ropes, pegs, etc, 215 miles at 5 per cent | 1,075 | 0 | 0 |
| Total                                              | 9,675 | 0 | 0 |

(Signed) D LOGAN,  
Chief Engineer

*Proceedings of the Madras Government, Public Works Department,  
17th February 1871.*

SUBMITTED to Government with reference to paragraph 2 of G O., No. 236,  
dated 26th January 1871.

The Chief Engineer shows that he requires a monthly expenditure of Rupees 925, or a sum of Rupees 1,850, to maintain the Uncovenanted staff that he considers he cannot dispense with for two months ending 31st March 1871, in the expectation that orders may by that date be passed on the location of the line, and that preliminary operations, such as preparation of materials, may then be put in hand.

Mr. Logan further applies for a grant of Rupees 250 per mensem for six months for Draughtsmen; for sums of Rupees 3,920 and Rupees 9,675 for lockspitting, and for authority to make a monthly disbursement of Rupees 8,348-5-0 on account of the permanent Covenanted staff.

2. The Government have decided that the lockspitting shall not be commenced until orders have been passed on the location of the line; and allowing two months to intervene, the estimate of necessary expenditure up to 31st March 1871 becomes.—

|                                | RS     |
|--------------------------------|--------|
| For permanent Covenanted staff | 16,700 |
| „ Uncovenanted Staff           | 1,850  |
| „ Draughtsmen                  | 500    |
| Total                          | 19,050 |

I am expecting to receive very shortly the detailed plans and estimates; it is impossible to fix a time when sanction may be accorded, but for the purpose of making an estimate I will assume the date as the 31st May.

Then, from the 1st April, lock-spitting will be put in hand and will be half finished by the 31st May, so that the estimate for the two months, April and May, will stand thus—

|                                                                                                       | RS.    |
|-------------------------------------------------------------------------------------------------------|--------|
| For Covenanted staff                                                                                  | 16,700 |
| „ Uncovenanted staff                                                                                  | 1,850  |
| „ Draughtsmen                                                                                         | 500    |
| „ Apothecaries, lascars, etc, at Rupees 980 per month                                                 | 1,760  |
| „ lockspitting, labour, and materials, one-half of the estimate for four months, namely, Rupees 9,675 | 4,840  |
| Total                                                                                                 | 25,650 |

I would, therefore, recommend that sanction be accorded for expenditure according to these two estimates for the four months ending 31st May 1871.

3. Mr. Logan also wishes to know, with some degree of certainty, when he may receive sanction for collecting materials, building bungalows, and such preliminary work, in order that he may arrange to make up his strength of Engineers, to the number of fifteen, sanctioned by the Secretary of State. The Chief Engineer attaches much importance to his Engineers becoming accustomed to the country, and the work before them, previous to the sanction for construction being accorded; and Mr. Logan's wishes are entitled to the more consideration as he has up to this time saved a good deal of expense in preventing more Engineers

*Proceedings of the Madras Government, Public Works Department,  
17th February 1871.*

being sent from England merely for the survey. But, on the other hand, it can hardly be said that the full number of Engineers will be required for preliminary operations; in case of any unforeseen delay, before the estimates are sanctioned, additional Engineers will only cause needless expense, and as April and May are the hottest months of the year in the Madura and Tinnevely Districts, Engineers fresh from England would do better to join their work after the end of May. If I am correct in thus interpreting the views of the Government, I would submit, for their consideration, that Mr Logan might be authorized to apply to the Board of Directors for the Engineers that he requires from England to arrive on or after the 1st June, and to appoint any others in this country within the sanctioned strength, from that date, or from such time, whether previous or subsequent, when the works of construction have been finally sanctioned.

4. The number of districts on the extension is fourteen, and the authorized number of Engineers is fifteen; there will thus be one Engineer available for special duties, or to replace another who may be sick or absent. Mr. Chapman, a first-class Engineer, has been in England for several months, and should return by the middle of July. I think, therefore, that to prevent mistakes it should be understood that fifteen is to be the total number of Engineers engaged subordinate to the Chief Engineer.

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

No. 388. Endorsement of the Acting Consulting Engineer for Railways, dated Madras, 11th February 1871, No. 68.

From the Agent of the Great Southern of India Railway, to the Acting Consulting Engineer for Railways, dated Negapatam, 8th February 1871, No. 3,905.

Will you please lay before the Government, in continuation of my letter, No. 3,894, of the 30th ultimo, the attached communication from the Chief Engineer, in which he proposes to substitute, in place of lockspitting operations, the following employment for his staff up to the 31st proximo. A closer investigation of large channel beds, water-sheds, the sources of supply of material, and the survey of an alternative line to approach Tinnevely to the east of that town.

From the Chief Engineer, to the Agent of the Great Southern of India Railway, dated Trichinopoly, 1st February 1871, No 3,026

YOUR No 269, of 30th instant, and enclosure. As the Madras Government are unable to sanction the lockspitting operations pending the consideration of the location of the line by the Government of India, I would beg to submit that I can find employment for the staff in more closely investigating large channel beds, water-sheds, the sources of supply for material, and, as the Collector of Tinnevely objects to the site selected for a station at Tinnevely, some of the staff can be set to survey and section an alternative line to approach to the east of that town, as suggested by the Collector, in order that the question may be laid in detail before Government for decision.

2 In lieu therefore of the estimate for lockspitting submitted before I received your letter, informing me that the Government of Madras were unable to sanction that work, I would submit

*Proceedings of the Madras Government, Public Works Department,  
17th February 1871.*

another to enable me to go on up to, say, 31st March in carrying out work just enumerated namely —

|                                                                                                                    |     |       |
|--------------------------------------------------------------------------------------------------------------------|-----|-------|
| For Uncovenanted staff, whose services it would be prejudicial to the interests of the Company to lose, per mensem | ... | 925   |
| Staff necessary to enable Engineers to take the field                                                              | ... | 980   |
| One month                                                                                                          | ..  | 1,905 |
| For two months                                                                                                     | ..  | 3,810 |
| Labour and material                                                                                                | ... | 2,000 |
| Total                                                                                                              | .   | 5,810 |

SUBMITTED to the Government with reference to endorsement No. 54, dated 1st February 1871, on the Agent's letter No. 3,894, of the 30th January 1871.

The Chief Engineer proposes that as he cannot commence the lockspitting of the line, he should have a more close investigation made of the large channel beds, the water-sheds, the sources of supply for material, and to survey an alternative line of approach to the town of Tinnevely. Another estimate of the cost of operations for two months is furnished accordingly.

2. I have already brought to the notice of the Government the doubt about the suitability of the site selected for the station at Tinnevely in my report of the 21st January 1871, No. 33, paragraph 11, a fresh survey to the east of that laid down on the working survey is therefore necessary, and as the further investigations that Mr. Logan wishes to make cannot but be of value, and may save time and expense hereafter, I recommend that the sanction of Government be accorded to the present proposition.

3. I would thus modify the first estimate of expenditure up to 31st March 1871, as detailed in paragraph 2 of my communication of the 1st instant, by adding the item of Rupees 980 per mensem for Apothecaries, lascars, etc., and under "labour and materials," for which Mr. Logan enters Rupees 2,000, without explanation of the need of that sum, I think it will be sufficient to allow Rupees 1,000.

The estimate for which sanction is asked will then stand thus —

|                                |            |
|--------------------------------|------------|
|                                | RS.        |
| For permanent Covenanted staff | ... 16,700 |
| „ Uncovenanted staff           | .. 1,850   |
| „ Draughtsmen                  | .. 500     |
| „ Apothecaries, lascars, etc.  | .. 1,960   |
| „ Labour, materials, sundries  | .. 1,000   |
| Total                          | . 22,010   |

4 I observe that the item for Apothecaries, etc., in my second estimate of expenditure up to 31st May 1871, at Rupees 980 per mensem, is inadvertently set down at Rupees 1,760 instead of Rupees 1,960; the total should, therefore, be increased by Rupees 200 to become Rupees 25,850. The need of the grant of this sum remains the same as previously represented.

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

*Proceedings of the Madras Government, Public Works Department,  
17th February 1871.*

No. 389. ORDER THEREON, 17th February 1871, No. 487.

RAILWAY, No 52.

THE sanction of the Government of India will be applied for to the expenditure as proposed by the Acting Consulting Engineer. The proposal in paragraph 1 of the second of the endorsements above read is approved.

2. The Government do not feel themselves authorized to pass any orders on paragraphs 3 and 4 of Captain Prendergast's endorsement, dated 2nd February 1871, No. 54, as the Government of India have distinctly intimated that proposals for establishments for construction purposes should be laid before them when sending up the estimates of the line for sanction. The Consulting Engineer will then bring the subject forward.

(Here enter No. 488, dated 17th February 1871)

(True Extract)

Colonel, R.E.,

Secretary to Government.

To the Acting Consulting Engineer for Railways

Exd S T Augustin.

PUBLIC WORKS DEPARTMENT,  
FORT ST. GEORGE, 17th February 1871.

No. 390

No. 488

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT

RAILWAY, No. 53.

SIR,—In continuation of my letter of the 7th ultimo, No. 40, giving cover to an application for a further advance of Rupees 31,550 for preliminary expenses on account of the proposed extension of the Great Southern of India Railway to Tuticorin, I am directed to forward the accompanying papers, in which sanction is solicited for the maintenance of the establishments, etc., marginally noted, at an outlay of Rupees 22,010, up to the 31st March 1871, and, presuming that the location of the line, which has been treated of at length in my letter of the 14th February 1871, No. 457, will by that time be definitively settled, authority is also requested for the continuance of those establishments, and for incurring charges attendant on the lockspitting of the line, up to the 31st May, before which period it is expected that the Government of India will have been put in possession of the detailed plans and estimates, and the necessary authority accorded for the commencement of works of construction, etc.

|                             |     |     |            |
|-----------------------------|-----|-----|------------|
| Permanent Covenanted staff  | ..  | ..  | RS. 16,700 |
| Uncovenanted staff          | ... | ... | 1,850      |
| Draughtsmen                 | ... | ... | 500        |
| Apothecaries, lascars, etc  | ... | ... | 1,960      |
| Labour, materials, sundries | ..  | ..  | 1,000      |
| Total.                      | ..  | ..  | 22,010     |

2 Under the circumstances I am to request sanction to the proposed expenditure, amounting in the aggregate to Rupees 47,860, as shown below.—

From 1st February to 31st March 1871.

|                             |     |        |
|-----------------------------|-----|--------|
|                             | RS. | RS.    |
| Permanent Covenanted staff  | ..  | 16,700 |
| Uncovenanted staff          | ..  | 1,850  |
| Draughtsmen                 | ..  | 500    |
| Apothecaries, lascars, etc. | ..  | 1,960  |
| Labour, materials, sundries | ..  | 1,000  |
|                             |     | 22,010 |

From 1st April to 31st May 1871.

|                                     |    |        |
|-------------------------------------|----|--------|
| Permanent Covenanted staff          | .. | 16,700 |
| Uncovenanted staff                  | .. | 1,850  |
| Draughtsmen                         | .. | 500    |
| Apothecaries                        | .. | 1,960  |
| Lockspitting, labour, and materials | .. | 4,840  |
|                                     |    | 25,850 |
| Total.                              |    | 47,860 |

I have the honour to be,

Sir,

Your most obedient servant,

Colonel, R.E.,

Secretary to Government.

Exd. S. T. Augustin

No. 3894

GREAT SOUTHERN OF INDIA RAILWAY

AGENTS OFFICE,

NEGAPATAM January 30 1891

From

THE AGENT,

Great Southern of India Railway,

To

The Acting Consulting Engineer  
for Railways  
Madras

SIR,

In continuation of my letter  
No 3881 of the 24 Instant I  
forward herewith copy of the  
Chief Engineer's explanation  
regarding his staff arrangements

This communication supplies  
the information called for in  
G.O. No 236 of the 26 Inst.

I have the honor to be

Your most obedt. Servant

Richard W. Webb.  
Agent

N<sup>o</sup> 3112.

Great Southern of India Railway  
Chief Engineer's Office  
Trichinopoly 29<sup>th</sup> January 1871

H. S. Dethle Esquire

My dear Sir,

Your N<sup>o</sup> 208 of the 24<sup>th</sup> Instant with Copy of the Consulting Engineer N<sup>o</sup> 22 of 20<sup>th</sup> Instant. The meaning of the para in my letter N<sup>o</sup> 2959 of the 6<sup>th</sup> Instant / referred to, was that in 1869 the Secretary of State for India sanctioned a Staff of 15 Engineers being sent India by our Directors. A good many of these gentlemen were sent out but at my request the full Complement was not made up, until I could discover whether the Government of India would relax their order of 2<sup>nd</sup> September 1869 N<sup>o</sup> 1377.

I now desire to learn with some degree of certainty, the time about which we are to get sanction to begin the preliminary works of collecting materials, building Bungalows, and the like so that I may arrange to replace the experienced men whom we lost in the first half of last year and to make the Staff of Engineers up to its sanctioned strength. It is manifestly impolitic to wait until sanction to begin our work is actually received before this is done, because as I have already on several occasions pointed out instead of then

starting

No 3394

Mr. Dethle Esquire

Chief Engineer  
of the Railway

Dated 29<sup>th</sup> January 1871

1871

Remains copy of  
of the Staff of  
Engineers No 1377

Starting the works with a staff with the <sup>3</sup>  
members of which I am somewhat acquainted,  
and who on their part have got to be a  
little accustomed to the country. I shall  
be employed in getting together and in some  
degree training the assistants for the work.

The further strength therefore which  
I require to make my assistants Engineers staff  
up to the full sanctioned number and the  
manner in which I propose to obtain it is,  
partly by requisition on our Consulting Engineers  
in London and partly by engaging, under  
the sanction of the Madras Government  
and the Board, any experienced men whom  
I may consider eligible, in this Country.

I enclose the Statement called for  
by the Consulting Engineer showing the staff  
arrangements which I would propose up to,  
say, 31<sup>st</sup> March next by which time I trust  
orders may be received on the location of the  
line.

I think it would simplify matters  
if sanction were accorded to the disbursement  
monthly until further orders of the sum necessary  
to pay the Co-tenanted Staff, because unless  
six months' notice to quit is given to the members  
of this Staff, they must be paid this sum  
monthly during the currency of their agreements.  
I would therefore ask sanction to a sum  
of Rs 6,440.50 being disbursed monthly to the  
Co-tenanted Staff.

A very large number of copies of  
the working drawings must be made for  
Government for the Board of Directors and for  
the

the Engineers and Inspectors and I ask Sanction  
to the disbursement of \$1500 for draughtsmen  
being at the rate of \$250 per mensem for  
six months from 1st February. It is difficult  
to estimate when this work will be finished,  
but I do not think that it can be completed  
in less time, with the material I have to  
work with, it is more likely to be longer,  
but before the expiry of six months I trust  
that the working staff to be applied for  
with the estimates will be sanctioned.

I ask Sanction to a disbursement of  
\$1850 from 1st February up to 31st March to  
retain certain members of the uncovenanted staff  
to dispense with whom at the present juncture  
would be most prejudicial to the interests of  
the Company.

In the event of the lockpitting of the  
land required for the line being sanctioned I  
estimate that with my present staff allowing  
for contingencies it will take 4 months to make  
out the whole 860 miles, and the above sum  
would therefore be increased to \$3700. / 4  
months at \$925 from 1st February / plus \$3920  
for lascars etc and \$9675 for labor and  
material in lockpitting.

Yours faithfully  
Sd/- David Logan  
Chief Engineer

1 True Copy  
Fred W. Hornum  
H. Clerk, Agents Office  
20/1/71

Cell

5  
17

Great Southern of India Railway  
Southern Extension Engineering Department  
 Statement referred to in Chief Engineer's letter No 3012  
 dated 29<sup>th</sup> January 1871.

Covenanted Staff for whom funds must  
be provided

|                                             |                       |      |     |
|---------------------------------------------|-----------------------|------|-----|
| 1 Chief Engineer                            | 1800                  | "    | "   |
| 2 1 <sup>st</sup> Class assistant Engineers | 1636                  | 6    | "   |
| 2 2 <sup>d</sup> " " " "                    | 1272                  | 12   | "   |
| 5 3 <sup>d</sup> " " " "                    | 2272                  | 18   | "   |
| 1 masonry Inspector                         | 236                   | 6    | "   |
| Ratta for above, say                        | 1000                  | "    | "   |
|                                             | Cost per mensem       | 8218 | 5 " |
| Office rent                                 | 130                   | "    | "   |
|                                             | Total Cost per mensem | 8348 | 5 " |

Staff necessary for the preparation of copies of  
drawings for Government, the Board and  
Engineers &c

|                                                 |                  |     |     |
|-------------------------------------------------|------------------|-----|-----|
| Draughtsmen & Messengers                        | 250              | "   | "   |
|                                                 | Total per mensem | 250 | " " |
| For 6 months from 1 <sup>st</sup> February 1871 | 1500             | "   | "   |

Uncovenanted Staff whose services it would be  
prejudicial to the interests of the Company  
to dispense with

|                         |      |     |     |
|-------------------------|------|-----|-----|
| 1 Manager               | 350  | "   | "   |
| 1 Sub. assist. Engineer | 250  | "   | "   |
|                         | over | 600 | " " |

1/12/71

|                                                                                       |  |      |   |   |
|---------------------------------------------------------------------------------------|--|------|---|---|
| Brought forward                                                                       |  | 600  | " | " |
| 1 Engineering assistant                                                               |  | 150  | " | " |
| 1 " " "                                                                               |  | 100  | " | " |
| Ratta and travelling allowance                                                        |  | 75   | " | " |
| Total per mensem                                                                      |  | 925  | " | " |
| Staff necessary to enable the Engineers to take the field in lockpitting in _____     |  |      |   |   |
| 9 Apothecaries                                                                        |  | 450  | " | " |
| 60 Lascars                                                                            |  | 480  | " | " |
| 1 Writer                                                                              |  | 50   | " | " |
| Total per mensem                                                                      |  | 980  | " | " |
| For 4 months                                                                          |  | 3920 | " | " |
| Estimated cost of lockpitting 215 miles of Railway & lines = 860 miles of lockpitting |  |      |   |   |
| Labor on lockpitting 860 miles at 10%                                                 |  | 8600 | " | " |
| Pambors, ropes, pegs etc 215 miles at 5%                                              |  | 1075 | " | " |
| Total                                                                                 |  | 9675 | " | " |

Sep, David Logan  
Chief Engineer

True copy.  
Despatch Memo  
At Clerk agents office

1/125 Mel.

Department of Consulting Engineers, Office of  
the Chief Engineer, No. 54 - 1st St.

Submitted to Government with reference to para 2 of G.O. No. 236 dated 26th January 1871.

The Chief Engineer shows that he requires a monthly expenditure of Rs. 925: or a sum of Rs. 1850 to maintain the Unconquered staff, that he considers he cannot dispense with, for 2 months, ending 31<sup>st</sup> March 1871: in the expectation that orders may by that date be passed, on the location of the Line, and that preliminary operations such as preparation of materials may then be put in hand.

W. Logan further applies for a grant of Rs. 250 per mensem for 6 months for draughtsmen; for sums of Rs. 3920 and Rs. 9675 for bookbinding, and for authority to make a monthly disbursement of Rs. 8348. 5.

on

on account of the permanent Covenanted staff.

2. The Government have decided that the lockpitting shall not be commenced, until orders have been passed on the location of the line; and allowing 2 months to intervene; the estimate of necessary expenditure upto 31<sup>st</sup> March 1871, becomes.

|                                |            |
|--------------------------------|------------|
| For permanent Covenanted staff | Rs. 16,700 |
| For Uncovenanted staff         | 1,850      |
| For draughtsmen                | 500        |
| Total Rs. 19,050               |            |

I am expecting to receive very shortly the detailed plans and estimates; it is impossible to fix a time when sanction may be accorded, but for the purpose of making an estimate I will assume the date as the 31<sup>st</sup> May.

Then from the 1<sup>st</sup> April lockpitting will be put in hand, and will be half finished by the 31<sup>st</sup> May, so that the estimate for the 2 months

2 months April and May will stand thus

|                      |        |
|----------------------|--------|
| For Covenanted staff | 16,700 |
| For Uncovenanted do  | 1,850  |
| For Draughtsmen      | 500    |

|                               |      |
|-------------------------------|------|
| For Apothecaries, lascars &c. |      |
| at Rs. 950 per month          | 1760 |

|                                    |      |
|------------------------------------|------|
| For lockpitting, labor & materials |      |
| one half of the estimate for       | 4840 |
| 4 months viz 9675                  |      |

Total Rs. 25,650

I would therefore recommend that sanction be accorded for expenditure according to these 2 estimates for the 4 months ending 31<sup>st</sup> May 1871.

3. Mr. Logan also wishes to know with some degree of certainty when he may receive sanction for collecting materials, building hungalows and such preliminary work, in order that he may arrange to make up

up his strength of Engineers to the number of fifteen sanctioned by the Secretary of State. The Chief Engineer attaches much importance to his Engineers, becoming accustomed to the country, and the work before them, previous to the sanction for construction being accorded, and Mr. Pogan's wishes are entitled to the more consideration, as he has up to this time, saved a good deal of expense in preventing more Engineers being sent from England merely for the Survey. But on the other hand, it can hardly be said that the full number of Engineers will be required for preliminary operations; in case of any unforeseen delay, before the estimates are sanctioned, additional Engineers will only cause needless expense, and, as April and May are the hottest months of the year, in the Madras and Tinnevely Districts, Engineers fresh from

from England would do better to join the work; after the end of May. It is carried in thus interpreting the views of the Government; I would submit for their consideration that Mr. Pogan might be authorised to apply to the Board of Directors for the Engineers that he requires from England to arrive on or after the 1st June: and to appoint any others in this country within the sanctioned strength, from that date, or from such time, whether previous or subsequent, when the works of construction have been finally sanctioned.

4. The number of Districts on the extension is 14: and the authorised number of Engineers, is 15; there will thus be one Engineer available for special duties, or to replace another who may be sick, or absent. Mr. Chapman a first class Engineer has been in England for several months, and should

should return by the middle of July. I  
think therefore that to prevent mistakes,  
it should be understood that reference is to  
the total number of Engineers engaged,  
subordinate to the Chief Engineer.

Madras } New Sunday Captain P. E.  
2nd February }  
1871 } Dy. Insp. Eng. for Railways

To the Secretary to Government

Public Works Department

Fort Saint George

Respectfully

Yours faithfully

W. S. S. S.

W. S. S. S.

W. S. S. S.

W. S. S. S.

W. S. S. S.

W. S. S. S.

W. S. S. S.

Enclosure

No. 3905

GREAT SOUTHERN OF INDIA RAILWAY.

AGENT'S OFFICE,

NEGAPATAM, February 8<sup>th</sup> 1871

From

THE AGENT,

Great Southern of India Railway,

To

The Acting Consulting Engineer  
for Railway's  
Madras

SIR,

Will you please lay before the Government the continuation of my letter No 3894 of the 30<sup>th</sup> ultimo, the attached communication from the Chief Engineer in which he proposes to substitute, in place of look-pitting operations, the following employment for his staff up to the 31<sup>st</sup> proximo

A closer investigation of large channels beds, water sheds, the sources of supply of materials, and the survey of an alternative line of approach, especially to the east of that town

I have the honor to be  
Your most obed<sup>t</sup> servant.

William B. B. B.

Agent

(4)

1871. Dec 11  
P. W. Dept  
No 501

From

The Consulting Engineer  
for Railways,

To

The Secy to Govt.  
P. W. Dept  
To Lt. Col.

Dated 2<sup>nd</sup> February 1871  
Received 3<sup>rd</sup>

Enc. 3. V. No. 54.

Submitting  
Agent's letter No 3894 of  
30<sup>th</sup> January 1871, regarding  
the probable cost of  
maintaining the  
unconvenanted staff  
on the Southern Extension  
of the G. S. of I. Ry.

No 387

16/11/71 No 13

Great Southern of India Railway  
Chief Engineer Office  
Trichinopoly 1<sup>st</sup> February 1871.

N<sup>o</sup> 3026.

W. S. Petts Esquire  
My dear Sir

I am No. 269 of 30<sup>th</sup> February  
and enclosure. - As the Madras  
Government are unable to sanction  
the lock-pitting operations pending  
the consideration of the location of  
the line by the Government of India,  
I would beg to submit that I can  
find employment for the staff in  
more closely investigating large  
channel beds, water sheds, the sources  
of supply for material, and, as the  
Collector of Tinnevely objects to the  
site selected for a station at Tinnevely  
some of the staff can be set to survey  
and section an alternative line to  
approach to the east of that town as  
suggested by the collector in order

These  
The Agent  
W. S. Petts  
The Chief Engineer  
of the Railway  
Trichinopoly  
11<sup>th</sup> February 1871  
Acknowledged by the  
Chief Engineer of the  
Railway  
regarding employment of  
his staff in view of the  
lock-pitting operations

1871 Feb 7/71

That the question may be laid in  
detail before Government for decision

In view therefore of the estimate  
for backpitting submitted before I  
received your letter, informing me  
that the Government of Madras were  
unable to sanction that work, I  
would submit another to enable me  
to go on up to say 31<sup>st</sup> March in  
carrying out work just enumerated  
viz.

For unaccredited staff whose  
services it would be prejudicial  
to the interest of the Company  
to lose - per mensem --- Rs 925.0.0

Staff necessary to enable  
Engineers to take the field Rs 980.0.0

One month Rs 1,905.0.0

For two months Rs 3,810.0.0

Labour and material 2,000.0.0

Total Rupees Rs 5,810.0.0

Yours truly  
*David Logan*  
Chief Engineer

True copy

Thammabharani  
H. Clerk Apurva  
2.2.71

Submitted to the Government,  
with reference to endorsement No. 54  
dated 1<sup>st</sup> February 1871, on the Agent's  
Letter No. 3894 of the 30<sup>th</sup> January 1871.

The Chief Engineer proposes that  
as he cannot commence the locking of  
the line, he should have a more close  
investigation made of the large channels  
beds, the water sheds, the sources of supply  
for material, and to survey an alternative  
line of approach to the town of Tinnevely.  
Another estimate of the cost of operations  
for two months is furnished accordingly.

2. I have already brought to the notice  
of the Government, the doubt about the  
suitability of the site selected for the  
station at Tinnevely, in my report of the  
21<sup>st</sup> January 1871, No. 33, paragraph 11.

10th 6/7/71

a fresh survey to the east of that laid down on the working survey is therefore necessary: and as the further investigations that Mr. Logan wishes to make, cannot but be of value, and may save time and expense hereafter: I recommend that the sanction of Government be accorded to the present proposition.

3. I would thus modify the first estimate of expenditure up to 31<sup>st</sup> March 1871, as detailed in para 2 of my communication of the 1<sup>st</sup> instant: by adding the item of Rs. 980 per mensem for apothecaries lascars, &c.; and under labour and materials for which Mr. Logan enters Rs. 2000, without explanation of the need of that sum, I think it will be sufficient to allow Rs. 1000.

The

15-37  
The estimate for which sanction is asked will then stand thus.

|                               |                  |
|-------------------------------|------------------|
| Fair permanent coveted staff  | 16700            |
| " Uncovered staff             | 1850             |
| " Draughtsmen                 | 500              |
| " Apothecaries, lascars &c.   | 1960             |
| " Labour, materials, sundries | 1000             |
|                               | <u>Rs. 22010</u> |

4. I observe that the item for apothecaries &c., in my second estimate of expenditure up to 31<sup>st</sup> May 1871, at Rs. 980 per mensem, is inadvertently set down at Rs. 1760 instead of Rs. 1960; the total should therefore be increased by Rs. 200, to become Rs. 25,800: The need of the grant of this sum remains the same, as previously represented.

Madrass  
11<sup>th</sup> February 1871

Chas. Sanderfoot Major &c.  
Act. Comr. Eng. for Railways

To

To  
The Secretary to Government  
Public Works Department  
Fort Saint George.

Ch 388

dated 11<sup>th</sup> Feb 1871  
Re: 14<sup>th</sup>  
No 68  
No 4879488 17 Feb 1871  
Public Works  
to Govt a letter  
from the Govt and  
of the Madras Govt  
Southern of India  
regarding the supply  
of the Govt. Engineering  
staff to the Southern  
Provinces

17<sup>th</sup> 1871  
From the Secretary to Govt  
for Railways  
to the Secretary to Govt  
for Railways  
Ch 388

17<sup>th</sup> 1871  
Ch 388

Public Works Department  
No 487  
Proceedings of the Madras Government  
Under date the 17 Feb 1871  
Read the following

From The AG Consulting Engineer  
for Railways.  
H. E. No 54 of 2<sup>nd</sup> February 1871  
- (H. E. No 68 of 11<sup>th</sup> Feb 1871) -

N.

The sanction of the  
Government of India will  
be applied for to the  
expenditure as proposed  
by the Acting Engineer. The proposal  
in paras 3 and 4 of the endowment  
above read is approved.  
The Government do  
not feel themselves autho-  
rized to pass any orders  
in paras 3 and 4 of  
Capt. Prendergast's endowment  
dated 2<sup>nd</sup> Feb 1871. The Govt of  
India have distinctly  
intimated that proposals  
for establishments for con-  
struction purposes should  
be

be laid before them when  
viewing the estimates  
of the line for sanction.

The Chief Engineer will  
then bring the subject forward.

H. E. No. 488 dated 17 Feb 71

The Secy to the Govt of  
India P. O. D.

Sir  
In confirmation of  
my letter of the 7th ultimo  
in giving cover to an  
application for a further  
advance of Rs 31562 for  
preliminary expenses on  
account of the proposed  
extension of the Great  
Southern of India Railway  
to Suticorin I am directed  
to forward the accompanying  
papers, in which sanction

The Chief Engineer  
for Railways  
Desp. 20/2/71

|                               |               |
|-------------------------------|---------------|
| Permanent Covenanted<br>Staff | Rs 16,700     |
| Uncovenanted do               | 1,800         |
| Draughtsmen                   | 500           |
| Apothecaries, lavans, &c.     | 1960          |
| Labor, materials, sundries    | 1,000         |
|                               | <u>22,010</u> |

is solicited for the main-  
tenance of the establishment  
marginally noted at an  
outlay of Rs 22,010 up to the  
31 March 1871 and pro-  
viding that the location  
of the line, which has been  
treated of at length in  
my letter of the 14th Feb 71  
No. 457, will by that time  
be definitely settled author-  
ity is also requested for  
the continuance of these  
establishments and for  
incurring charges atten-  
dant on the location  
of the line up to the 31  
May, before which period  
is expected that the Govt  
of India will have been  
put in possession of the  
detailed plans and estimates  
and the necessary authorities  
for

for the commencement of  
works of construction to  
be carried out.

Under the circum-  
stances I am to request  
sanction to the proposed  
expenditure amounting  
in the aggregate to Rs  
47,860 as shown below.

From 1<sup>st</sup> July to 31<sup>st</sup> March 1871

Permanent Covenanted Staff Rs 16,400

Non-covenanted Staff 1,850

Draftsmen 500

Apothecaries, labor, &c. 1,960

Labor, materials, sundries, &c. 1,000

From 1<sup>st</sup> April to 31<sup>st</sup> March 1871

Permanent Covenanted Staff Rs 16,400

Non-covenanted Staff 1,850

Draftsmen 500

Apothecaries 1,960

Lock-fitting labor & materials 1,850

Total Rs 47,860

AK

Recd 20/2/71  
of Rs 487/7/1871

6/11/70/13

Pro 5 Oct/69 at 75.76  
 5 Jan/70 — 73.275  
 7 Sept — 116.107  
 5 Oct — 80.81.  
 26 Jan/71 — 475.475  
 14 Feb — 328 @ 330

Further  
 Pro 482 of 24-3 71

*W. J. S.*  
 Govt. of 1871 Madras.  
 PUBLIC WORKS.  
 To the Consulting Engrs  
 for Railways  
 and  
 To the Secretary to the  
 Govt of India

Palca  
 Recd  
 G. O. 17 Feb 71, No 487/488

Recd  
 No. 387 @ 389 & 390

*Letter*  
 Respecting sanction  
 the maintenance of certain  
 Expenditures in the  
 course of the Southern  
 Extension of the G. S. of  
 Railway to Talicott

Unaccounted Staff. Paper  
 orders in the endorsement of  
 the Engineer for Railways  
 submitting information re-  
 garding the probable cost  
 of maintaining the Un-  
 der Staff on the Southern Extension  
 of the G. S. of Railway