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(3) Initials of the Referencer_____

# MADRAS RECORD OFFICE

## Government of Madras

Public works DEPARTMENT

| | | |
|---|---|---|
| G.O. No. / ~~B.P. No.~~ 213-215 | 461-462 | Press / Mis. |
| Dated | 10 · 3 · | 1873. |

***Not to be folded or roughly handled***

No. 213. Read the following letter from the Consulting Engineer for Railways, to the Secretary to Government, Public Works Department, dated Madras, 25th February 1873, No. 124 :—

I HAVE the honour to forward, for submission to the Government of India, the report of progress made in construction, by the Great Southern of India Railway Company, for the quarter ending the 31st December 1872, accompanied by a brief descriptive report.

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From the Chief Engineer, to the Agent and Traffic Manager of the Great Southern of India Railway, dated 17th January 1873, No. 159.

DURING the past quarter the progress has been chiefly in earthwork, 796,070 cubic yards having been thrown up in the quarter, making an aggregate to date of 1,691,671 cubic yards out of a total estimated quantity of 3,709,095 over the whole line. A larger out-turn could have been made, but land for a great portion of the length of the line through the Tinnevelly District was only handed over towards the end of the quarter.

2. The progress of the masonry works has been greatly retarded by frequent heavy rains during the monsoon, no work being possible throughout the quarter in low-lying ground while all the tanks were overflowing. From the same cause quarrying was almost brought to a stand-still; the operation of burning off the stone being impossible in the wet, and the work-people utterly refusing to stand out in the rain.

3. This being the first wet season during which I have had members of the staff stationed nearly all along the line, a close watch has been kept on the various water-ways to enable me to check the sufficiency of the openings allowed in our embankments. I have reason to believe that, as a whole, our estimate is correct; but I am now about to make a close personal inspection of the whole line and hope soon thereafter to be able to send a list of the water-ways revised in the light of the information gained during the late rains.

4. At the end of last quarter the temporary telegraph was constructed as far as Manaparay, a distance of 24 miles from Trichinopoly. During the quarter it has been extended as far south as Virdaputty, a total distance of 124¼ miles from Trichinopoly, and before the end of the current quarter I expect to be in telegraph communication with the staff along the whole length of the line.

SOUTHERN EXTENSION.

*General Progress Report for the Quarter ending 31st December 1872.*

| Reference to Heads of Estimate. | | Total of Sanctioned Estimate. | | Actual Indian Expenditure. | | Number. | | | Quantities. | | | Probable date | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Indian Expenditure. | English Expenditure. | During Quarter. | Total up to end of Quarter. | Total. | Finished | In hand. | Total as per Estimate. | Executed during Quarter. | Executed end of Quarter. | Of completion. | By which the Permanent-way could be laid if urgently required. | |
| | | Rs. | | Rs. | Rs. | | | | | | | | | |
| I. | Preliminary Expenses ... ... | 2,46,500 | | ... | 2,22,564 | ... | ... | ... | ... | ... | ... | ... | ..... | |
| II. | Land ... ... ... | ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ..... | |
| III. | Construction of Line ... ... | 22,50,000 | | 87,789 | 1,66,335 | ... | ... | ... | ... | ... | ... | ... | ..... | |
| | Earthwork. { Cuttings and Embankments ... ... | ... | | ... | ... | Miles. | Miles. | Miles. | Cubic feet. | Cubic feet. | Cubic feet. | | | |
| | Earthwork. { Rock Cuttings ... | ... | | 73,809 | 1,33,000 | 215 775 | 95 | 120 775 | ... | ... | ... | ... | ..... | |
| | Small Bridges and Culverts ... | ... | | 10,529 | 28,104 | No. 503 | No. 50 | No. 453 | 100,145,565 | 21,493,900 | 45,837,117 | Dec. 1873. | ..... | |
| | Large Bridges (as per Statement B). | ... | | 3,140 | 5,196 | 30 | ... | 30 | ... | 125,523 | 125,523 | Mar. 1874. | ..... | |
| | Fencing ... ... ... | ... | | 11 | 32 | Ms. 110 | Ms. ·44 | M.109 56 | ... | 7,398 | 7,398 | June ,, | ..... | |
| | Other items... ... ... | ... | | ... | 3 | ... | ... | ... | ... | ... | Ms. ·44 | Dec. ,, | ..... | |
| IV. | Ballast and Permanent-way ... | 33,25,000 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ..... | |
| | Ballast ... { Collected ... | | | | | | | | | | | | | |
| | Ballast ... { Spread ... | | | | | | | | | | | | | |
| | Rails ... { Lifted ... | | | | | | | | | | | | | |
| | Rails ... { Linked in ... | | | | | | | | | | | | | |
| | Rails ... { In Depôt ... | | | | | | | | | | | | | |
| | Sleepers ... { Lifted ... { Iron ... | | | | | | | | | | | | | |
| | Sleepers ... { Lifted ... { Wood ... | | | | | | | | | | | | | |
| | Sleepers ... { Laid ... { Iron ... | | | | | | | | | | | | | |
| | Sleepers ... { Laid ... { Wood ... | | | | | | | | | | | | | |
| | Sleepers ... { In Depôt ... { Iron ... | | | | | | | | | | | | | |
| | Sleepers ... { In Depôt ... { Wood ... | | | | | | | | | | | | | |
| V. | Stations and Buildings (Statement C) ... ... ... | 8,63,000 | 6,451 | 23,353 | | ... | ... | ... | ... | ... | ... | ... | ..... | |
| | *a.* Platform ... ... | ... | | | | | | | | | | | | |
| | *b.* Passengers' Buildings ... | ... | | | | | | | | | | | | |
| | *c.* Goods shed ... ... | ... | | ... | 5,613 | ... | ... | ... | ... | ... | ... | ... | ..... | |
| | *d.* Watering arrangement ... | ... | | | | | | | | | | | | |
| | *e.* Staff quarters ... ... | ... | | 6,391 | 19,021 | 50 per cent | complete | d. ... | ... | ... | ... | ... | ..... | |
| | *f.* Engine shed, etc. ... | ... | | 60 | 3,719 | 75 do. | do. | ... | ... | ... | ... | ... | ..... | |
| | *g.* Small items ... ... | ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ..... | |
| VI. | Telegraph, Indian Expenditure ... | 12,000 | 4,240 | 4,479 | Miles. 215·775 | Miles 124·24 | Miles. 91·535 | ... | ... | ... | ... | ... | ..... | |
| VII. | Plant ... ... ... | 3,56,500 | 320 | 560 | ... | ... | ... | ... | ... | ... | ... | Mar. 1873 | ..... | |
| VIII. | Rolling Stock (Statement D) ... | 10,82,800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ..... | |
| IX. | Maintenance ... ... | 3,98,400 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ..... | |
| X. | Establishment ... ... | 9,87,000 | 61,888 | 1,45,840 | ... | ... | ... | ... | ... | ... | ... | ... | ..... | |
| XI. | Contingencies ... ... | 1,00,800 | 577 | 1,682 | ... | ... | ... | ... | ... | ... | ... | ... | ..... | |

About 120,000 cubic feet of store has been delivered in the site of bridges, etc., and 200,000 square feet of bank is turfed.

*Negapatam,*
*20th February* 1873.

(Signed) J. SMITH,
*Chief Auditor.*

(Signed) S. M. JOHNSON,
*Assistant Examiner.*

(Signed) W. S. BETTS,
*Agent and Traffic Manager.*

*Proceedings of the Madras Government, Public Works Department,*
*10th March* 1873.

GREAT SOUTHERN OF INDIA RAILWAY.

SOUTHERN EXTENSION.

*Progress Report of large Bridges for the Quarter ending 31st December* 1872.

| Names of Bridges. | Foundations. | Abutments and Piers up to spring-ing or girder level. | Arching or erection of Girders. | Other Items. |
|---|---|---|---|---|
| *Coraynur*— | | | | |
| Per-centage done ... ... | ·42 | ·37 | ..... | ..... |
| Date of completion ... ... | ..... | 31st March 1873. | 30th October 1873. | ..... |

*Negapatam,*
*20th February* 1873.

(Signed) D. LOGAN,
*Chief Engineer.*

(Signed) W. S. BETTS,
*Agent and Traffic Manager.*

*General Progress Report of Work in erecting and building Locomotive and Rolling Stock for Quarter ending 31st December* 1872.

Nil.

*Negapatam,*
*23rd December* 1872.

(Signed) E. G. SHEWARD,
*Loco. and Car. Supdt.*

(Signed) W. S. BETTS,
*Agent, G. S. I. R.*

No. 214. ORDER THEREON, 10th March 1873, No. 761.

RAILWAY, No. 24.

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

(True Extract.)

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

No. 215. DOCKET No. 762, dated 10th March 1873.

COPY of the above forwarded to the Government of India.

(True Extract.)

Colonel, R.E.,
*Secretary to Government.*

**Ed. E. C. Shunker.**

Railway Department.

CONSULTING ENGINEER'S OFFICE,

No. 124

From

LIEUT.-COLONEL J. H. M. SHAW STEWART, R.E.,

*Consulting Engineer for Railways,*

To

COLONEL G. W. WALKER, R.E.,

*Secretary to Government,*
*Public Works Department,*
*Fort Saint George.*

SIR,

I have the honour to forward for submission to the Government of India, the report of progress made in construction by the Great Southern of India Railway Company for the quarter ending the 31st December 1872, accompanied by a brief descriptive report.

I have the honour to be
Sir
Your most obedient Servant
W. Walker Lieut. R.E.
for Con. Engineer for Railways

Madras
25th February 1873

C/2/278

Govt. of 1873 Madras.

PUBLIC WORKS.

To The Consulting Engineer for Railways

& The Secretary to the Govt of India

Encl 1

10th March 1873.

762.

Nos 213-214-215

Progress Report of the Southern Extension of the E & S I Railway for the Quarter ended 31st Dec 72 Recd the forwarded to the Govt of India.

Forwd progress Report of the Southern Extension of the

P W 1873 &

RAILWAY DEPARTMENT.

1873.

From

The Consulting Engineer for Railways,

To

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

Dated 25 February 1873

Recd. 26 February 1873

No. 124.

Forwarding for submission to Govt. of India progress report of G. S. of I. Ry for quarter ending 31 Dec 72

With an order

No. 213.

Forwarded to the Govt of India.

Rd 15/3/73.

Copy of the above forwarded to the Govt of India (P. Works Dept) for information

Rd 15/3/73.

No. 761

Forwarded to the Govt of India.

Rd 15/3/73.

No. 213-15