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. 2608-09 Press ~~Mis.~~
18-19-20

Dated 1- 11- 1870.

Not to be folded or roughly handled

No. 18. Read the following letter from the Acting Consulting Engineer for Railways, to the Secretary to Government, Public Works Department, dated Madras, 20th October 1870, No. 412 :—

REFERRING to paragraph 4 of letter No. 1,598-R., dated 21st September 1870, from the Government of India, I have the honour to submit a statement* of the telegraph materials received at Negapatam on account of the Southern Extension of the Great Southern of India Railway. The Agent states that the telegraph posts have not yet been purchased.

G. O., dated 5th October 1870, No. 2,406.

* With Agent's letter No. 3,786 dated 14th October 1870.

From the Agent of the Great Southern of India Railway, to the Acting Consulting Engineer for Railways, dated Negapatam, 14th October 1870, No. 3,786.

IN compliance with the request contained in the 3th paragraph of your letter, No. 446, dated the 6th instant, I attach hereto copy of a statement prepared by the Chief Engineer showing the telegraph meterials, tenders for which were accepted by the Board of Directors. All of this material has now arrived at Negapatam. Telegraph posts have not yet been purchased.

GREAT SOUTHERN OF INDIA RAILWAY.

SOUTHERN EXTENSION.

Statement of Telegraph Materials, Tenders for which have been accepted by the Board of Directors.

142	Tons of galvanized annealed best best iron telegraph wire, No. 5, B. W. G.
23	Cwts. of best galvanized charcoal iron wire, No. 14, B. W. G.
11,000	Brown stone-ware insulators, with galvanized wrought iron shoulder bolt and nut.
200	White glazed porcelain shakle insulators with galvanized wrought iron connections.
11,000	Malleable cast iron tabular brackets with conical sockets galvanized.
33,000	Galvanized coach screws, $\frac{3}{8}$ inch diameter.
10	Cwts. best solder.
5,500	Zinc pole roofs.
6	Cwts. galvanized iron nails.
36	Single needle instruments.
10	Printing instruments and spare parts.
6	Clark's Double shunt differential galvanometers.
3	Sets resistance coils for do.
6	Clark's shunt detectors.
36	Boxes of single dials and coils.
92	Lightning protectors and spare coils.
50	Needles and axles.
60	Front needles.
36	Instrument handles.
16	Copper earth-plates.
120	12-cell Muirhead's batteries.
120	Vulcanite chambers for do.
1,200	Porous cells for do.
1,000	Stone-ware insulators, fitted.
200	Sets or dozen pairs of battery plat
10	Dozen battery terminals.
15	Do. instrument do.

7 Gross brass screws for terminals.
1½ Tons sulphate of copper.
20 Brass battery syringes.
300 lbs. prepared paper for printing instruments.
1 Mile single-covered Indian rubber wire, No. 9.
5 Miles double India rubber covered, doubly taped, tarred and sanded copper wire, No. 4, B. W. G.
125 Codes for instruments.
50 lbs. Sheet Indian rubber, prepared.
10 lbs. Indian rubber solution in small tin cans.
2½ Gallons spirits of salts.
3 Sets jointing tools in boxes.
2 sets instruments tools in boxes.
9 Whalebone battery plate brushes.
9 Hair do. do.
9 Steel battery plate scrapers.
6 Draw vices for No. 5 wire.
12 Dutch draw tongs for do.
40 Hand-spanners.
36 Magnetizing keys.
12 Forked screw drivers.
25 Small magnets in cases.
24 Pairs cutting pliers, 8 inches long, steel.
12 Do. do. 5 do. do.
4 Drums and stands.
4 Pairs blocks and pulleys, each with 12 fathoms, 2½ inch rope.
4 Firepots.

(Signed) DAVID LOGAN,
Chief Engineer.

No. 19. ORDER THEREON, 1st November 1870, No. 2,608.

RAILWAY, No. 2.

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

(True Extract.)
(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 20. DOCKET No. 2,609, dated 1st November 1870.

COPY of the above forwarded to the Government of India, with reference to paragraph 4 of their letter, dated 21st September 1870, No. 1,598-R.

(True Extract.)

Colonel, R. E,
Secretary to Government.

Exd. E. C. Shunker.

Great Southern of India Railway.

Southern Extension

Statement of Telegraph Materials. Tenders for which have been accepted by the Board of Directors

142	Tons of Galvanized truncated Best Best Iron Telegraph wire etc. 5 B. W. G.
28	Cwts. of best Galvanized charcoal Iron wire, No. 14. B. W. G.
11,000	Brown Stoneware Insulators, with Galvanized wrought Iron Shoulder bolt and nut
200	White Glazed Porcelain Shackle Insulators with Galvanized wrought Iron Connections.
11,000	Malleable cast Iron Tubular Brackets, with
—	Conical Sockets Galvanized
23,000	Galvanized Coach Screws ⅜ inch diameter
10	Cwts Best Solder
5500	Fine Pole Roofs
6	Cwts Galvanized Iron Nails
36	Single Needle Instruments
10	Printing Instruments and Spare parts
6	Clarks Double Shunt differential Galvanometers
3	Sets Resistance Coils for do
6	Clarks Shunt Detectors
36	Pairs of Single Bells and Coils
92	Lightning Protectors and Spare Coils
50	Needles and Steels
60	Front Needles
36	Instrument Handles
16	Copper Earth Plates

120	12 Cell Muirhead's Batteries
120	Valeanite Containers for do
1200	Porous cells for do
1000	Stoneware Insulators fitted
200	Sets or dozen Pairs of Battery Plates
10	Dozen Battery Terminals
15	" Instrument do
7	Gross Brass Screws for Terminals
1/2	Ton Sulphate of Copper
20	Brass Battery Syringes
300	lbs Prepared paper for Printing Instruments
1	Mile Single covered Indian Rubber wire c/c 9
5	Miles Double India Rubber Covered, doubly Taped, Tarred and Sanded Copper wire c/c 4 B. W. G.
125	Codes for Instrument
50	lbs Sheet Indian Rubber prepared
10	lbs Indian Rubber Solution in small tin cans
2/2	Gallons Spirits of Salts
3	Sets Jointing Tools in Boxes
2	Sets Instruments Tools in Boxes
9	Whalebone Battery Plate Brushes
9	Hair do do
9	Steel Battery Plate Scrapers
6	Iron vices for c/c 5 Wire
12	Bulck Saw Irons for do
40	Hand Spanners
36	Magnetizing Keys
12	Forked Screw drivers
25	Small magnets in cases
24	Pairs Cutting Pliers, 8 inches long, Steel
12	do do 5 do do
4	Spanner and Stands
4	Pairs Blocks and Pulleys, each with 12 fathoms 2/2 inch rope
4	Fire Pots

[Sigd] David Logan
Chief Engineer

True Copy.
Hebilkomeman
C. Clerk

Cobb

No. 3786

GREAT SOUTHERN OF INDIA RAILWAY.

AGENT'S OFFICE,

NEGAPATAM, October 14th 1860

From

THE AGENT,

Great Southern of India Railway,

To The Actg: Consulting Engineer
for Railways
Madras

SIR,

In compliance with the request contained in the tenth paragraph of your letter No 446 dated the 6th Instant, I attach hereto Copy of a Statement prepared by the Chief Engineer showing the Telegraph materials, tenders for which were accepted by the Board of Directors. All of this Material has now arrived at Negapatam. Telegraph posts have not yet been purchased

I have the honor to be
Sir
Your most obedient
Servant

9

CONSULTING ENGINEER'S OFFICE.

Railway Department.

No. 412.

From Captain H. L. Prendergast R.E.
Asg Consulting Engineer for Railways,

To Colonel C. A. Orr R.E.
Secretary to Government,
Public Works Department,
Fort Saint George.

SIR,

Referring to paragraph 4 of letter No. 1598 R dated 21st September 1870 from the Government of India, I have the honour to submit a statement of the telegraph materials received at Negapatam on account of the Southern extension of the Great Southern of

G.O. dated 6 Oct. 1870 No. 2406.

North Agents Letter No. 3786 dated 4 Oct. 1870.

From
The Agent
G. I. P. Rly
Negapatam
S. P. No. 1492/70
Re spec. Consignment
Tent Equipage
Laundry

Acknowledged receipt of the above mentioned Consignment per Steamer Ava.
Forwarded Copy of Invoice &c. &c.
Bearing to be returned by Chief Superintendent

of India Railway - The Agent states that the Telegraph posts have not yet been purchased -

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

Madras
20th October
1870

Alex Wendegast Capt RE
Asst Cons Engr for Railways

Public Works Department.
No. 2608

Proceedings of the Madras Government
Under date the 1st November 1870
Read the following

From The Chief Consulting Engineer for Railways. } No. E. No. 412 of 20th October 1870

Ordered that these papers be forwarded to the Government of India -

Docket No. 2609 dated

Copy of the above forwarded to the Govt of India with reference to para 4 of their letter dated 21st Sept. 1870 No. 1598. R -

To Chief Engr for Rlys
Despd 2/11/70.

Despd 2/11/70 -

Public Works 1870 No. 1
Rlys Gen Branch
No. H-197

RAILWAY DEPARTMENT.

From
The Consulting Engineer
for Railways,

To
The Secretary to Government,
P. W. Department,
Fort St. George.

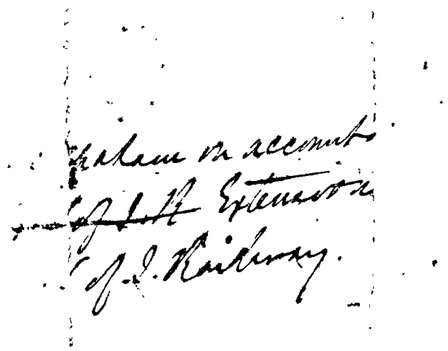
Dated 20th October, 1870.
Received 21st October, 1870.

No. 412.

Endorsement No. 2608-2609 dated 2nd November 1870.

Statement of the telegraph materials required at Kaikalatoor on account of the Southern Railway.

1/11/70



Cl. 4197/70

Govt. of [1870] Madras.

PUBLIC WORKS.

To The Chief Consulting Engineer for Railways

and

To The Secretary to the Govt of India

Dated

Read. 1st 9

G. O. 1 Novbr. No. 2608 & 2609

Nos. 18-19 12.0

Index

Telegraph Materials. Copying Orders &c

Docket

Forwarding Copy & Trans. of the letter from the Agent G.I.P. Rly. Submitting a Statement of the Materials received