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. 2682-83 Press / Mis.
229-230

Dated 14-11- 1872.

Not to be folded or roughly handled

No. 229. Read the following Endorsement of the Acting Deputy Consulting Engineer for Railways, dated Madras, 12th October 1872, No. 549:—

From the Agent of the Great Southern of India Railway, to the Consulting Engineer for Railways, dated Negapatam, 16th September 1872, No. 4,683.

I SEND herewith indents (in triplicate) upon the Board of Directors for a supply of girders for the Southern Extension. Please return one of them duly passed for transmission to England. Copy of Mr. Logan's letter regarding these girders is also sent for information.

GREAT SOUTHERN OF INDIA RAILWAY.

SOUTHERN EXTENSION.

Requisition on the Board of Directors for Girders required from England.

Article.	Unit.	Quantity.	Description in detail.	Where to be used.	For what purpose.	Approximate Estimate of the cost of each article.	Explanation as to the necessity for each article.	Period for which the supply is required.	Total stock in hand.	The average yearly consumption.	Estimated value.
											RS.
Wrought Iron Girders.....	Tons.	888·03	For 39 square spans of 70 feet in the clear ...	Extension of the Great Southern of India Railway.	Extension of Great Southern of India Railway.	1,77,606	the construction of the new line of Railway.		*Nil.*	*Nil.*	
Do.	,,	116·35	For 5 skew spans of 70 feet in the clear ..... Angle of 65° ..... 70′ 0″			23,270					
Do.	,,	95·34	For 7 square spans of 50 feet in the clear ...			19,068					
Do.	,,	69·97	For 5 skew spans of 50 feet in the clear ..... Angle of 50° ..... 50′ 0″			13,994					
Do.	,,	206·31	For 36 square spans of 30 feet in the clear ...			41,262					
Do.	,,	35·89	For 6 skew spans of 30 feet in the clear ..... Angle of 60° ..... 30′ 0″			7,178					
Do.	,,	29·91	For 5 skew spans of 30 feet in the clear ..... Angle of 72° ..... 30′ 0″	On the Southern	For the Bridges on Southern	5,982	For		*Nil.*	*Nil.*	
Do.	,,	170·10	For 63 square spans of 20 feet in the clear ...			34,020					
Do.	,,	75·49	For 38 square spans of 15 feet in the clear ...			15,098					
Do.	,,	79·04	For 51 square spans of 12 feet in the clear ...			15,808					
		1,766·43				353,286					

TRICHINOPOLY,
11*th September* 1872.

(Signed) W. S. BETTS,
Agent.

(Signed) F. SMITH,
For *Chief Engineer.*

Proceedings of the Madras Government, Public Works Department,
14th November 1872.

SOUTHERN EXTENSION.

ENGINEERING DEPARTMENT.

INDENT No. 2.

Abstract of Estimate required for the Great Southern of India Railway in Madras Presidency.

Particulars.	To be expended departmentally.	To be drawn from stores.	Total.
	RS. A. P.	RS.	RS. A. P.
Wrought iron work for 39 square spans of 70 feet in the clear	26,702 6 6	1,77,606	2,04,308 6 6
Do. do. for 5 skew spans of 70 feet do. ...	3,423 6 2	23,270	26,693 6 2
Do. do. for 7 square do. of 50 do. do. ...	2,167 11 3	19,068	21,235 11 3
Do. do. for 5 skew do. of 50 do. do. ...	1,548 5 9	13,994	15,542 5 9
Do. do. for 36 square do. of 30 do. do. ...	8,837 8 6	41,262	50,099 8 6
Do. do. for 6 skew do. of 30 do do. ...	1,631 5 4	7,178	8,809 5 4
Do. do. for 5 do. do. of 30 do. do. ...	1,235 14 0	5,982	7,217 14 0
Do. do. for 63 square do. of 20 do. do. ...	10,026 0 2	34,020	44,046 0 2
Do. do. for 38 do. do. of 15 do. do. ...	3,951 11 10	15,098	19,049 11 10
Do. do. for 51 do. do. of 12 do. do. ...	3,325 14 4	15,808	19,133 14 4
Total...	62,850 3 10	3,53,286	4,16,136 3 10

TRICHINOPOLY, 11*th September* 1872.

(Signed) W. S. BETTS, *Agent.*

(Signed) F. SMITH, For *Chief Engineer.*

Copy of letter from the Chief Engineer, to the Agent, No. 2,370, *dated the* 11*th September* 1872.

HEREWITH an indent for girders valued at Rupees 3,53,286.

2. This amount is considerably in excess of the sanctioned estimate, and the following statement is sent in explanation :—

	RS.
Value of girders as per accompanying indent	3,53,286
Amount as per original estimate	2,90,548
Amount due to increased value of girders for 70 feet spans substituted for 50 feet spans...	57,956
Amount due to extra bridges found necessary for district 14 ...	4,782
	3,53,286
Deduct value of masonry due to reduction in number of piers where 70 feet spans are substituted for 50 feet spans	18,450
	3,34,836
Original Estimate...	2,90,548
Excess...	44,298

3. The revised estimate now in course of preparation will give details of the excess over original estimate.

Proceedings of the Madras Government, Public Works Department, 14th November 1872.

From the Consulting Engineer for Railways, to the Agent and Traffic Manager of the Great Southern of India Railway, dated Madras, 20th September 1872, No. 393.

WITH reference to your letter No. 4,683 of the 16th instant, I have the honour to communicate the sanction of Government to the transmission to England for compliance by the Board of Directors of indent dated 11th September 1872, for girders required for the Southern Extension.

2. This cancels the sanction communicated to indent of 30th May 1872 in my letter No. 261 dated 9th July 1872.

SUBMITTED to Government for information.

2. The weights and prices of the girders are only approximate. Under the Orders of the Government of India conveyed in letter No. 325 G. R., dated 2nd March 1872, the girders are to be designed in England.

G. O., No. 803, dated 21st March 1872.

(Signed) C. H. P. CHRISTIE, Lieutenant, R.E.,
Ag. Dy. Consulting Engineer for Railways.

No. 230. ORDER THEREON, 14th November 1872, No. 2,682.

RAILWAY, No. 44.

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

(Here enter No. 2,683, dated 14th November 1872.)

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Consulting Engineer for Railways.

Exd. E. C. Shunker.

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, 14*th November* 1872.

No. 231.

No. 2,683.

To

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

RAILWAY, No. 45.

SIR,—I am directed to forward the accompanying papers giving cover to an indent for girders for the Southern Extension of the Great Southern of India Railway, and to state that the Agent of the Company has been authorized to send it home to his Board of Directors for compliance.

2. Under the orders communicated in the concluding portion of paragraph 5 of letter from the Government of India, No. 325 G.R., dated 2nd March, the girders will be designed by the Consulting Engineer to the Company in England.

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

Colonel, R.E.,
Secretary to Government.

Exd. E. C. Shunker.

No. 4683

GREAT SOUTHERN OF INDIA RAILWAY.

AGENT'S OFFICE,

NEGAPATAM, Septr 16. 1872

From

THE AGENT,

Great Southern of India Railway,

To

The Consulting Engineer
for Railways
Madras

SIR,

I send herewith Indents (in triplicate) upon the Board of Directors for a supply of Girders for the Southern Extension. Please return one of them, duly passed, for transmission to England. Copy of Mr. Logan's letter regarding these girders is also sent for information

I have the honor to be
Sir
Your most obdt Servt

Illegible

Agent

Great Southern of India Railway

Copy of letter from the Chief Engineer to the Agent, No. 2370, dated the 11th September 1872.

Herewith an Indent for Girders valued at Rupees 3,53,286.

This amount is considerably in excess of the sanctioned estimate, and the following statement is sent in explanation

Value of Girders as per accompanying Indent		Rs 3,53,286.
Amount as per Original Estimate		2,90,548.
Amount due to increased value of Girders for 70 feet spans substituted for 50 feet spans	57,956.	
Amount due to extra Bridges found necessary for District 14	4,782.	
		3,53,286
Deduct value of Masonry due to reduction in No of piers where 70 feet spans are substituted for 50 feet spans	18,450.	
		3 34 836.
Original Estimate		2.90.548.
Excess		44298.

The revised estimate now in course of preparation will give details of the excess over original Estimate.

True copy
Fredc. Rozeman

8683
No 1683

From
The Engineer
G.I.S.R.Co.

To
The Chief Engineer Great Southern Railways

Dated 16th October 1872
Rec'd 18th October 1872

Sir,

Forwarding Indents as per the Board of Direction for a supply of Girders for the 14th District.

I am &c.

P.Br. 4675/72

Railway Department. CONSULTING ENGINEER'S OFFICE.

No. 397.

From

LIEUT.-COLONEL J. H. M. SHAW STEWART, R.E.,
Consulting Engineer for Railways,

To

WILLIAM S. BETTS, ESQ.,
Agent and Traffic Manager,
Great Southern of India Railway,
Negapatam.

SIR,

With reference to your letter No 4683 of the 16th instant, I have the honour to communicate the sanction of Government to the transmission to England for consideration by the Board of Directors of indent dated 11th September 1872 for girders required for the Southern extension.

2. This cancels the sanction communicated to indent of 30th May 1872 in my letter No 261 dated 9th July 1872.

I have &c.a

(Signed) C. H. P. Chesterton
Asst Cons: Engr for Ogs

Madras
20th September
1872

2.97.72

No. 549.

Submitted to Government for information.

The weights and prices of the girders are only approximate. Under the Orders of the Government of India, Conveyed in letter No. 325 G. O. dated 2d March 1872, the girders are to be designed in England

P. O. No. 803 8/72 8th March 1872

Madras 12th October 1872

Chas. Mc Thuston Lt. R. E.

To,

The Secretary to Government
Public Works Dept.
Fort St. George

RAILWAY DEPARTMENT.

1872.

From

The Consulting Engineer
for Railways,

To

The Agent and Traffic Manager,
G. S. of I. Railway,
Negapatam.

Dated
Recd. } 1872.

No.

P. P. 4975/72.

P. W. 1872 Despatch
Proc. of Govt for November
From No. 4975.

The Ag. Dy. Cons: Engineer
for Railways
Madras

To

The Secretary to Govt.
Public Works. Deptt.
Fort St. George.

Dated 12 } October 1872.
Recd 14 }

Con: 51 No. 549.

Submitting to Govt.
letter from the agent of
G. S. of I. Ry. giving cover
to an indent of Circles
upon the Board of Directors
No. 2682-2683-14 Nov. 72.

No 229

Sent to Govt 15 Oct 72

Great Southern of India Railway
Southern Extension
Engineering Department
Indent № 2
Abstract of Estimate

Required for the Great Southern of India Railway in Madras Presidency

Particulars	To be expended departmentally	To be drawn from stores	Total	Remarks
Wrought iron work for 39 square spans of 70 feet in the clear	26,702 6 6	1,77,606 " -	2,04308 6 6	
—— —— —— —— for 5 skew spans of 70 feet in the clear	3,423 6 2	23,270 " -	26,693 6 2	
—— —— —— —— for 7 square spans of 50 feet in the clear	2,167 11 3	19,068 " "	21,235 11 3	
—— —— —— —— for 5 skew spans of 50 feet in the clear	1,548 5 9	13,994 - -	15,542 5 9	
—— —— —— —— for 36 square spans of 30 feet in the clear	8,837 8 6	41,262 - -	50,099 8 6	
—— —— —— —— for 6 skew spans of 30 feet in the clear	1,631 5 4	7,178 - -	8,809 5 4	
—— —— —— —— for 5 skew spans of 30 feet in the clear	1,235 14 -	5,982 - -	7,217 14 -	
—— —— —— —— for 63 square spans of 20 feet in the clear	10,026 " 2	34,020 - -	44,046 - 2	
—— —— —— —— for 38 square spans of 15 feet in the clear	3,951 11 10	15,098 " -	19,049 11 10	
—— —— —— —— for 51 square spans of 12 feet in the clear	3,325 14 4	15,808 " -	19,133 14 4	
	62,850 3 10	3,53,286 " -	4,16,136 3 10	

Chief Engineer's office
Trichinopoly 11th September 1872

William Bell
agent
16/9/72

Francis F. Smith
for chief Engineer

Compd. A&Bll.

Public Works Dept. 234

Proceedings of the Madras Government

Read the following

From 2682

The Asst. Secy. Govt. Railways } Ltr. dt. 5th Oct/72 Rec'd 18th }
for Secy }

1975

Ordered that

these papers be forwarded to the Government of India.

To The Consg. Engineer for Railways. 2683

Dated 15th/72. H. E. No. 1

To

The Secretary to the Government of India.

Sir. I am directed to forward the accompanying papers

P. Dr. 49 7th/72.
Rec'd Nov 7th 1872 Ltr No 229

papers giving cover to
an Indent for girders
for the Southern Exten-
sion of the Great
Southern of India
Railway, and to state
that the Agent of
the Company had
been authorized to send
it home to his Board
of Directors for com-
pliance.

Under the orders
communicated in the
concluding portion of
paragraph 5 of letter
from the Government
of India No 325 P.P.
dated 2nd March the
Girders

Girders will be designed
by the Civil Engineer
to the Company in
England.

C.J. GWW

Desp 215/1/72 with 7 Encs
of Govt 2682/1872.

C/o 4975

Govt. of {1872} Madras.

PUBLIC WORKS.

To The Executive Engineer
for Railways

Date. 5
Recd. 6 Encl. 5

G. O 14 Nov 1872, No. 2682-2683.

Nos. 229 & 230

Forwarding for information Tenders for the Southern Extension of the G. S. I. Ry.