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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. 1993-94 (Ry) Press
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Dated 4-8- 1876.

Not to be folded or roughly handled

No. 90. Read the following letter from Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to Major-General C. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 31st July 1876, No. 372:—

I HAVE the honor to forward herewith, for transmission to the Government of India, lists showing the estimated ordinary and extraordinary expenditure during the half-year ending 31st December 1876, on maintenance of way and works and stations on the sections of the South Indian Railway open to public traffic for more than two years.

2. The sum of Rupees 10,595 set down as "Extraordinary" expenditure represents the revenue proportion of the estimate for a bridge of four 25-feet wrought iron girder spans near the 14th mile of the Arconum-Conjeveram section.

SOUTH INDIAN RAILWAY.

ENGINEERING DEPARTMENT.

Abstract of Estimate for Maintenance. Half-year ending 31st December 1876.

Heads of Charges.		SOUTH INDIAN RAILWAY. Whole Length.		Negatatam-Erode Section.		Arconum-Conjeveram Section.	
		135 Miles (single).		106¼ Miles (single).		18¾ Miles (single).	
		Amount.	Per Mile.	Amount.	Per Mile.	Amount.	Per Mile.
		Rs.		Rs.		Rs.	
Head No. II. ...	Ordinary	29,809	161	27,130	163	2,679	143
	Extraordinary ...	...	...	...	...	...	...
Do. III. ...	Ordinary	1,350	7	1,200	7	150	8
	Extraordinary ...	10,595	57	...	...	10,595	565
Do. IV. ...	Ordinary	3,635	20	3,575	22	60	3
	Extraordinary ...	...	...	...	...	...	...
Do. V. ...	Ordinary	...	...	...	...	...	...
	Extraordinary ..	...	...	...	...	...	...
Do. VI. ...	Ordinary	1,050	6	1,000	6	50	3
	Extraordinary ...	...	...	...	...	...	...
	Total ...	46,439	251	32,905	198	13,534	723

TRICHINOPOLY,
13th *July* 1876.

(Signed) F. J. SMITH,
for *Acting Chief Engineer*.
(Signed) W. BETTS,
Agent.

ENGINEERING DEPARTMENT.

Estimate for Maintenance of Way and Works for Half-year ending 31st December 1876.

Negapatam to Erode.

Miles maintained.		Departmentally.	By Contract.	Total.
Main Line ...	Double	...	...	...
	Single	166 33 01	...	166 33 01
Siding		13 24 03½	...	13 24 03½
	Total ...	...	...	179 57 04½

Head.	Description of Work.	Ordinary.	Extraordinary.	Remarks.	——
	Maintenance, Permanent-way.	Rs. A. P.	Rs. A. P.		Rs. A. P.
	(1)—Wages—				
	1 Gang at Rupees 102 × 6...	654 0 0	...	{1 Ganger at Rs. 10 ...	10 0 0
				{9 Coolies at ,, 7 each.	63 0 0
				{6 Do. at ,, 6 ,,	36 0 0
					109 0 0
	2 Gangs at ,, 54 × 6...	648 0 0	...	{1 Ganger at Rs. 10 ...	10 0 0
				{8 Coolies at ,, 5½ each...	44 0 0
					54 0 0
	1 Gang at ,, 42 × 6...	252 0 0	...	{1 Ganger at Rs. 7½ ...	7 8 0
				{1 Do. at ,, 7 ...	7 0 0
				{5 Coolies at ,, 5½ each...	27 8 0
					42 0 0
	2 Gangs at ,, 15½ × 6...	423 0 0	...	{1 Ganger at Rs. 8 ...	8 0 0
				{5 Coolies at ,, 5½ each...	27 8 0
					35 8 0
	3 ,, at ,, 30 × 6...	1,449 0 0	...	{1 Ganger at Rs. 8 ...	8 0 0
				{4 Coolies at ,, 5½ each...	22 0 0
					30 0 0
	1 Gang at ,, 23½ × 6...	177 0 0	...	{1 Ganger at Rs. 7 ...	7 0 0
				{1 Do. at ,, 6 ...	6 0 0
				{5 Coolies at ,, 5½ each...	16 8 0
					29 8 0
	3 Gangs at ,, 29 × 6...	549 0 0	...	{1 Ganger at Rs. 7 ...	7 0 0
				{4 Coolies at ,, 5½ each...	22 0 0
					29 0 0
	1 ,, at ,, 23 × 6...	353 0 0	...	{1 Ganger at Rs. 6 ...	6 0 0
				{4 Coolies at ,, 5½ each...	22 0 0
					28 0 0
	1 Gang at ,, 23 × 6...	138 0 0	...	{1 Ganger at Rs. 6½ ...	6 8 0
				{3 Coolies at ,, 5½ each...	16 8 0
				{1 Do. at ,, 5 ...	5 0 0
					28 0 0
	25 Gangs at ,, 24½ × 6...	5,381 0 0	...	{1 Ganger at Rs. 8 ...	8 0 0
				{3 Coolies at ,, 5½ each...	16 8 0
					24 8 0

Proceedings of the Madras Government, Public Works Department,
4th August 1876. *No.* 1,994.

Negapatam to Erode.—(*Continued.*)

Head.	Description of Work.	Ordinary.	Extraordinary.	Remarks.	——
	Maintenance, Permanent-way.—(Concluded.)	Rs. A. P.	Rs. A. P.		Rs. A. P.
	26 Gangs at Rs. 23½ × 6...	3,666 0 0	...	{1 Ganger at Rs. 7 ...	7 0 0
				{2 Coolies at ,, 5½ each...	16 8 0
					23 8 0
	13 ,, at ,, 23 × 6...	1,794 0 0	...	{1 Ganger at Rs. 6½ ...	6 8 0
				{3 Coolies at ,, 5½ each...	16 8 0
					23 0 0
	6 ,, at ,, 22½ × 6...	810 0 0	...	{1 Ganger at Rs. 6 ...	6 0 0
				{3 Coolies at ,, 5½ each...	16 8 0
					22 8 0
	90 Line Watchmen at Rs. 5 each, Rs. 450 × 6 ...	2,700 0 0	...		
	Establishment... ...	*840 0 0	...	* 4 Carpenters at Rs. 15 each.	60 0 0
				4 Smiths at ,, 15 ,,	60 0 0
				4 Bellows boys at ,, 5 ,,	20 0 0
					140 0 0
				Total for 6 months, Rs. 140 × 6	840 0 0

Head.	Description of Work.	Ordinary.	Extraordinary.	Remarks.
		Rs. A. P.	Rs.	
II.	(2.)—*Material*—			
	Ballast, cubic yards 6,000 at Rs. 0-4-0 per cubic yard.	2,060 0 0	...	
	Earthwork in repairing banks and side walks, cubic yards 7,500 at Rs. 0-1-6 per cubic yard.	703 2 0	...	
	Stores	600 0 0	...	Oil, waste, &c.
	Bolts and nuts	33 13 8	...	
	Chairs	65 1 8	...	
	Cotters and gibs	1 13 2	...	
	Sleepers, wooden	4,921 14 0	...	
	Do. per iron	23 3 8	...	
	Chair packings	7 0 6	...	
	Tie-bars	27 10 4	...	
	Keys	572 8 8	...	
	Rails	247 1 4	...	
	Spikes	23 7 0	...	
	Crossings	263 4 0	...	
	Total, Head II...	27,130 0 0	...	
III.	*Repairs, Wages, and Materials*—			
	(1.) Bridges	200 0 0	...	
	Tunnels	...	...	
	(2.) Earthwork	600 0 0	...	
	Fences	100 0 0	...	
	Culverts	50 0 0	...	
	Miscellaneous	250 0 0	...	
	Total, Head III...	1,100 0 0	...	
IV.	*Repairs, Wages, and Materials*—			
	(1)—Station buildings, yards, signals, gate-lodges, &c.	3,275 0 0	...	
	(2).—Staff quarters	300 0 0	...	
	Total, Head IV...	3,575 0 0	...	
V.	Maintenance by Contract	...	...	
	Total, Head V...	...	...	

Negapatam to Erode, &c.—*(Concluded.)*

Head.	Description of Work.	Ordinary.	Extraordinary.	Remarks.
		Rs. A. P.	Rs.	
VI.	*Unclassified Expenditure*—	...	...	
	(1.)—Cantonment	500 0 0	...	Platelayers, Carpenters, and Smiths' Tools.
	(2.)—Tools and Plant	...	...	
	(3.)—Iron on Tools	500 0 0	...	
	(4)—Miscellaneous	...	...	
	Total, Head VI. ...	1,000 0 0	...	
	Grand Total ...	32,507 0 0	...	

Account to Conjeveram Section.

Miles maintained.		Departmentally.	By Contract.	Total.
Main Line ...	Double	...	...	...
	Single	18½	...	18½
Siding ...	... ...	1½	...	1½
	Total ...	...	...	20½

Head.	Description of Work.	Ordinary.	Extraordinary.	Remarks.
		Rs. A. P.	Rs. A. P.	
II.	*Maintenance, Permanent-way*—			
	1.—Wages—	Rs.		
	4 Gangs at ... 43 × 6	1,032 0 0	...	* One Gang consisting of— Rs. A. P.
	5 Watchmen ... 25 × 6	150 0 0	...	1 Maistry at Rs. 10 ... 10 0 0
	Extra hands	50 0 0	...	6 Coolies at ,, 5½ each 33 0 0
	Establishment ... 20 × 6	† 120 0 0	...	Total ... 43 0 0
	2.—Materials—	1,327 8 0	...	
	Sleepers	99 8 0	...	
	Bar spikes	10 0 0	...	† *Establishment.*
	Bolts and nuts	50 0 0	...	1 Sub-Inspector ... 20 0 0
	Stores			
	Total, Head II. ...	2,679 0 0	...	
III.	*Repairs, Works, and Rebuilds*—			
	1.—Bridges	50 0 0	‡ 10,595 0 0	‡ This amount represents ca-vanno proportion for con-struction of large bridge at 13 miles 79 chains.
	Culverts	50 0 0	...	
	Miscellaneous	50 0 0	...	
	Total, Head III. ...	150 0 0	10,595 0 0	
IV.	*Repairs Works, and Rebuilds*—			
	1.—Station buildings of every description	50 0 0	...	
	2.—Station quarters	...	...	
	Total, Head IV. ...	50 0 0	...	
V.	Maintenance by Contract ...	...	...	
	Total, Head V. ...	...	...	
VI.	*Unclassified Expenditure*—			
	1.—Tools and Plant ...	50 0 0	...	Platelayers, Carpenters, and Smiths' Tools.
	Total, Head VI. ...	50 0 0	...	
	Grand Total ...	2,929 0 0	10,595 0 0	

Tuticorin,
12th *July* 1876.

(Signed) W. S. BETTS,
Agent.

(Signed) F. J. SMITH,
for *Acting Chief Engineer.*

Proceedings of the Madras Government, Public Works Department,
4th August 1876. *No.* 1,994.

No. 91. ORDER THEREON, 4th August 1876, No. 1,993.

RAILWAY, No. 10.

ORDERED to be forwarded to the Government of India.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

No. 92. DOCKET No. 1,994, dated 4th August 1876.
COPY of the above forwarded to the Government of India.
(True Extract.)

Colonel,
Offg. Under Secy. to Govt., P.W.D.,
for *Secretary to Government.*

Exd. W. H. French.
Spare Copies

RAILWAY DEPARTMENT.

CONSULTING ENGINEER'S OFFICE,

Madras, 31st July 1876.

No. 672

From

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

Consulting Engineer for Railways,

To

MAJOR-GENERAL G. W. WALKER, R.E.,

Secretary to Government,

Public Works Department,

Fort Saint George.

SIR,

I have the honor to forward herewith, for transmission to the Government of India, this showing the estimated ordinary and extraordinary expenditure, during the half year ending 31st December 1876, on maintenance of way and works and stations on the sections of the Karaikal Indian Railway open to public traffic for more than two years.

The sum of ~~Rs~~ 10,695 set down as "Extraordinary" expenditure represents the Revenue proportion of the estimate

estimate for a bridge of four 25 feet
rectangle iron girder spans near the
14th mile of the Arconum - Conjeveram
section.

I have the honor to be
Sir
Your most obedt Servt
Executive Engr
Cons. Engineer for Railways.

P. W. 1876 Department

5487

No 1993 dtd 4th Augt 76
Ordered to be forwarded
to the Government of India.
H.E. No 1994 dtd 4th August 1876
Docket No 1994 dtd 4 Augt 76
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ment of India
Dated 28/8/76

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Consg. Rly

Dated 28/8/76

RAILWAY DEPARTMENT.

From

The Consulting Engineer
for Railways,

To

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

Dated 31st [illegible] 1876

Received 2nd [illegible]

No. [illegible]

Submitting [illegible]
Estimate for a bridge [illegible]
Arconum, [illegible]
Madras, [illegible]

Dated 2-8-76.

Recd 4th Augt 76
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Dated 28/8/76

57487

Statement of Main Items

Connecting on the Credit

Side by the Cash

Book and by 31st March

1878 = 9e ——

relating to the Accounts

of the Post & Bridge

Nos. 90 - 91

92