

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	1155	Press
B.P. No.		Mis. —
Dated	23-4-	195
		6875

Not to be folded or roughly handled

7

*Proceedings of the Madras Government, Public Works Department,
23rd April 1875.*

No. 617. Read the following letter from Lieutenant-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, dated Madras, 16th April 1875, No. 220:—

ADVERTING to the Proceedings of Government, No. 310, dated 4th February last, I have the honor to submit, for the sanction of Government, plan No. 153, together with an estimate, amounting to Rupees 3,158, of the cost of constructing a single 9 feet opening with wrought iron girders at 106-2 miles, North-West Line of the Madras Railway.

2. The Agent in forwarding the estimate quotes as follows from a letter from the Chief Engineer:—

“ Experience has shown that the 2 feet culvert allowed at this point is quite insufficient to carry off the water during floods. In October last a breach of 20 feet wide was made in this part of the bank, but I do not consider it necessary to provide so large an opening, as the bursting of neighbouring tanks caused a rush of water on that occasion much in excess of the quantity which the bridge is intended to provide for, and I am of opinion that a 9 feet girder bridge will be quite sufficient.”

3. The matter was discussed at a meeting of the Railway Committee at Royapooram, and I am of opinion that the construction of this opening is necessary. As it is of great importance that the work should be proceeded with at once, I have authorized its commencement in anticipation of sanction.

4. Funds to the extent of Rupees 2,832* chargeable to Capital can be met from

* Indian	Rs. 2,565	Schedule C., “Works not specially provided for” in the Budget Estimate for 1875-76, and the Revenue portion, namely, Rs. 326† from Schedule G. The sanction will lapse at the end of the fourth quarter after its receipt.
English	267	
† Indian		

No. 618. ORDER THEREON, 23rd April 1875, No. 1,155.

RAILWAY, No. 80.

The authorization given by the Consulting Engineer to the commencement of this work is confirmed, and the estimate, amounting to Rupees 3,158, sanctioned, the Consulting Engineer having apparently satisfied himself as to the sufficiency of the waterway allowed. The sum chargeable to Capital is Rupees 2,832, while Rupees 326 fall against Revenue.

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

To the Consulting Engineer for Railways.
,, Examiner of Railway Accounts.

MADRAS RAILWAY.

ENGINEERING DEPARTMENT.

Capital Propositon Schedule C.

Works not specially provided for Budget 1877/78.

Revenue Propositon Schedule C. Budget 1877/78.

Required for the Madras Railway in the

Estimate.

North West Line

This sanction will
be given at the end of
the fourth quarter
after the receipt of
sanction in the
office.

DESCRIPTION.	To be expended Departmentally.			To be drawn from Stores.			Total.
<u>Capital</u>							
III. Construction of Line.							
2. Bridge Work.							
i. Minor Bridges &c.	2565			267			2832
<u>Revenue</u>							
3 rd Repairs of Bridges &c.							
(2) Miscellaneous including Earth Work, Roads, Fencing &c.	326						326
Single g. Opening with Wrought Iron Girders proposed to be constructed at 106 m. to the P. & F. of the Estimate							
TOTAL.	2891			267			3158

Submitted for approval and Sanction to the Government of

W. H. W. W.
Agent and Manager, Railway.

S. P. S.
Acty. Chief Engineer, Railway.

CHIEF ENGINEER'S OFFICE,
17th February 1875.

Consulting Engineer to Government.

Secretary to Government.

MADRAS RAILWAY. *Capital and Revenue*

North West Line.

Estimate of the cost of *Single 9 feet Opening with Wrought Iron Girders* proposed to be constructed at 106 Miles 2 1/2 S. P. as per Plan No. 153.

DESCRIPTION.	Quantity.	Rate.	To be expended Departmentally.	To be drawn from Stores.	Total.
Excavation ———— <i>sqds.</i>	299	7/8/-	149 8 ..		
Masonry ————	296	8/-	2368 ..		
Teak Timber in sleepers — <i>cf.</i>	24	3/8/-	84 ..		
Planking 2" thick for gangway ———— <i>sqft.</i>	20	7/10/-	12 8 ..		
Wrought Iron Girders 8" x 13" x 1/2" — <i>cf.</i>	13	370/-	812 5 ..	240 15 7	
Painting ironwork ———— <i>sqft.</i>	1	2/-	1 ..	1 ..	
Saving timber work ————	2	7/4/-	14 ..	4 ..	
Laying of rails over Bridge — <i>sqds.</i>	5	7/8/-	28 ..		
Loading and unloading charges ————			112 ..		
Contingencies ————			262 11 7	24 12 5	
<i>Ruppes</i>			2891 ..	267 ..	3158 ..

Ruppes Three thousand one hundred and fifty eight.
Chief Engineer's Office
17th Feb. 1875
W. J. Brown
Agent & Manager
Actg. Chief Engineer
W. J. Brown

This sanction will lapse at the end of the fourth quarter after the receipt of sanction in this office.
Allocation

Pr. 2507/95
2/95

DESCRIPTION.	Quantity.	Rate.	To be expended Departmentally.	To be drawn from Stores.
<i>Allocations</i>				
Probable cost of single 2 feet Cylinders at 10th Mile 2 Feb. Post				
Excavation	12 yds	7/4	3..	
Masonry	65	7/4	296..	
Fencing			29..	
Chargeable to Revenue Ac			326..	326..
Cost of Single 2 feet Cylinders as per fore going Estimate			2891..	267.. 3158..
Chargeable to Capital Ac			2565..	267.. 2832..
<i>Sd/-</i>				
<i>Acty. Highways</i>				
<i>Rd/-</i>				
<i>O.M. 2507/58</i>				

Pay Department.

CONSULTING ENGINEER'S OFFICE.

No. 220

From

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,

Adverting to the Proceedings of Government N^o 310 dated 4th February last, I have the honour to submit for the sanction of Government plan N^o 153 together with an estimate amounting to Rs. 3,158, of the cost of constructing a single 9 feet opening with wrought iron girders at $\frac{10\frac{1}{2}}$ miles North-West line of the Madras Railway.

2. The Agent in forwarding the estimate quotes as follows from a letter from the Chief Engineer:—

Engineer:—

Engineer:-

"Experience has shown
" that the two feet culvert allowed
" at this point is quite insuff-
" -ficient to carry off the water
" during floods. In October
" last a breach of 20 feet wide
" was made in this part of the
" bank but I do not consider it
" necessary to provide so large
" an opening as the bursting
" of neighbouring tanks caused
" a rush of water on that oc-
" -casion much in excess of the
" quantity which the bridge is
" intended to provide for, and I
" am of opinion that a 9 feet
" girder bridge will be quite
" sufficient."

3. The matter was discussed
at a meeting of the Railway Com-
-mittee

Indian Rs. 2565
English - 267.

* Indian

Madras
16th April
1875
L. P. K. S.

-mitted at Dyaperum and I am of
opinion that the construction of this
opening is necessary. As it is of great
importance that the work should
be proceeded with at once, I have
authorised its commencement in
anticipation of sanction.

4. Funds to the extent of Rs.
2832^{*} chargeable to Capital, can be
met from Schedule C, "Works not
specially provided for, in the Budget
estimate for 1875/76 and the Revenue
portion, namely, Rs 326 from Schedule
G. The sanction will lapse at the
end of the 4th quarter after its
receipt.

I have the honour to be
Sir
Your most obedient servant

W. C. S. S. S.
Lieut. Col.
for Cons. Engineer for Dy.

By P. B. Dept.

Proceedings of the Madras Government

Read the following.

From the Com Engineer
for Railways } (G.O. No 220 of 16 April 1875)
G.O. No 1155 of 23 April 1875

The authorization
given by the Com Engineer
to the commencement of the
work is confirmed, and the
estimate amounting to Rs 3150
sanctioned. The Com Engineer
having apparently
satisfied himself as to the
efficiency of the work
allowed. The sum charge-
able to Capital is Rs 2832
while Rs 326 fall against
Revenue.

W. W.

Com Engineer for Ry ✓
Engr. Accounts ✓
Recd. 3/5/75

RAILWAY DEPARTMENT.

Mr. 1875 220
220 534

From

The Consulting Engineer,
for Railways,

To

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

Dated

16th April 1875

Recd.

220 534

Richard Rogers

Director of Public Works

estimate for construction

a bridge of Port Harvey

at 100 miles with

2 miles in 1/2

G.O. No 1155 of 23.4.75

G.O. 12th March 1875 No 31243
G.O. 17th March 1875 No 9567

12617

2.19-1.1.75

2507

Govt. of Madras

PUBLIC WORKS.

Chief Engineer
of Railways

Dated

Recd.

Encl.

G. O. 2204/1155

Nos. 217-418

Madras Railway. - Tending
the plan and estimate for the
construction of a single 9 feet
opening at 106 miles, N. W. line
& confirming the consulting
Engineer's authorization to the
immediate commencement of
the work.