

(1) Number of pages 14 pages.
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(3) Initials of the Referencer buo

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D.

DEPARTMENT

G.O. No. B.P. No.	1564(W)	Press. Mis.
Dated	27. 3. 1878	-197..

My
Not to be folded or roughly handled

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

27th March 1878, No. 1,564 W.

Buildings and Roads.

Civil Works.

Read the following paper :—

No. 405. From W. S. HARRINGTON, Esq., District Engineer, Madura, to the Chief Engineer, Public Works Department, dated Madura, 3rd March 1878, No. 402.

At the request of the Assistant Engineer, Madura and Ramnad Tramway Project, I have the honor to forward, for your consideration and orders, an "estimate (original) in number and weight for permanent-way in India." In forwarding it to me, Mr. Jenkinson writes as follows :—

"In order that no time may be lost in framing the estimate for this rail-road, I have the honor to forward, for the information of the Chief Engineer, the requirements for one mile of permanent-way, so that he can make inquiries as soon as he sees fit for the rate at which it can be supplied and delivered at Madura or Keelakarri.

"As to the delivery at Keelakarri, I would remark that only vessels of small tonnage (100 to 150 tons) frequent the Port, and it would be advisable to inquire if steamers bringing the permanent-way from England would come so far as the gulf."

No. 406. ORDER THEREON, 27th March 1878, No. 1,564 W.

RECORDED, pending receipt of the survey and sections of the first twenty miles of the proposed line of tramway.

(True Extract.)

Colonel, R. E.,
Secretary to Government, P.W.D.

To the District Engineer, Madura.
" Consulting Engineer for Railways.

Exd. E. C. Shunker.
Spare Copies



ENGINEERS AND PUBLIC
CIVIL WORKS.

Govt. of (1878) Madras
PUBLIC WORKS.

THE DISTRICT ENGINEER,
MADRAS.

1878-79

1878

1878

C. O. 1878-79, No. 1041 B.

1878-79

Nov. 1878-79.

1878-79, No. 1041 B.
C. O. 1878-79, No. 1041 B.
C. O. 1878-79, No. 1041 B.
C. O. 1878-79, No. 1041 B.
C. O. 1878-79, No. 1041 B.

Estimate in number & weight for Permanent Way
In India

Sleepers 6' x 6" x 4" ----- 2515

From England

Flat footed Vignoles rail 30 lb per yd } Tons
21 ft long } 47.13

504 pairs Fish plates 10 lb per pair 2.25

2016 5/8" Bolts .75

10060 Dogspikes 4" x 1/2" 1.13

Tons 51.26

For 25 miles of line

Sleepers 62875

add 1 mile for sidings &c 2515

No 65,390

Permanent way

Tons 1281.5

add 1 mile for sidings &c 51.26

Tons 1332.76

Round and Flat Bars, are not included
as the small quantity that may be wanted, can
probably be best purchased in Madras.

A. J. P.
Assistant Engineer.

Encls: 1 in a letter from the
Dist Engr Madras to the Dist
Engr P. W. D. No. 202 d/s
March/77.

Estimate

District Engineer's Office,
No. 402. Madras 3rd March 1878.

From,

W. S. Harrington Esqre.,
District Engineer, Madras.

To,

Colonel. to A. Hoord. R.E.

Chief Engineer, P. W. Dept.
Madras.

Sir,

to: 1.

Estimate

At the request of the Assistant Engineer,
Madras and Ramnad Railway Project, I
have the honor to forward for your considera-
tion and orders an "estimate (original) in
"number and weight for permanent way
"in India." In forwarding it to me, Mr.
J. Robinson writes as follows:—

"In order that no time may be
"lost in framing the estimate for this rail-
"road I have the honor to forward for the
"information of the Chief Engineer, the re-
"quirements for 1 mile of permanent way
"so that he can make inquiries as soon as
"he sees fit for the rate at which it can be
"supplied and delivered at Madras or

"Kilakarri."

As to the delivery at Kilakarri I
"would remark that only vessels of small
"tonnage (100 to 150 tons) frequent the port
"and it would be advisable to inquire if steamers
"bringing the Permanent-way from England
"would come so far as the gulf."

I have the honor to be,

Sir,

Yours Most Obedt Servt

W. H. Harrison

District Engineer,

Madras

1564
4

From

The District Engineer
Madras

To

The Chief Engineer
P.W. Dept.
Madras.

Letter from the District Engineer
Madras No. 402 of 3rd March 1878.

FOR ORDERS.

No. 402

Date 3 March 1878
Recd.

Enclosed

G.O. 5th Jan^y 1878. No 79 M.
" 6 Oct^r 1877 " 904 M.
Dis 30. Dis 1876 " 209.

Madras & Proposed Tramway.
forwards an estimate of
the works required for the

I think the first
question is the
practicability of
obtaining a main
line of the line -
about plan & section
of 1/2 a mile
which is now to
be made up
9 March 1878.

E & Mrs Col. R.E.
Secy to Govt. P.W.D.

Recorded pending
revenue of the place
to be taken of the
land & value of the
proposed line of
road -

W.H.
2573/70

FOR ORDERS.

1564

Madura

By R. Olcott
No. 1564 W Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 27th March 1878

Read the following:—

1564
6

From the Dist. Engineer, 3 H.L. No 402 dated 3rd May 78
Madura 3

Recorded pending re-
ceipt of the survey
and sections of the pro-
posed line of the
proposed line of Tram-
way.

26.3.78

607

Dist. Engr. Madura ✓
Consgr. Engr for Railway ✓

2-4-78 17

No 2823
Govt. of (1878) Madras.
PUBLIC WORKS

To
D.R. Madras 28/3-
Dated
Issued
Recd. Encl.

G. O., 27 Mar 1878, No. 1546

Nos.

Madras & Ramnagar
Tramway Letter from
the D.R. forwarding an estimate
of the articles required for the
— accords pending receipt
of the survey & sections of the
first twenty miles of the
proposed line of tramway

Subd. Secy.