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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W. DEPARTMENT

G.O. No.	3704-W	Press.
B.P. No.		Mis.
Dated	24-12-1883	198

V.S.M

Not to be jolded or roughly handled.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

No. 523 T.C.

Report by the Superintending Engineer, Sixth Circle, on the estimate for forming a new road from Vaiyampati to Palaviduthi, in Trichinopoly district, Rs. 14,400.

- The road is nearly 9 miles in length, and runs almost entirely along the present cart-track through the villages of Sarvaigamputti and Karungalam. It is proposed to raise it 1 foot above the present level of the ground, with a top width of 5 yards and side slopes of 2 to 1. The surface of the road to be gravelled to a width of 4 yards and an average depth of 6 inches, ordinary unscreened gravel to be used.
- 1 Detailed and abstract estimate with specification and report, Rs. 14,400.
 - 1 Estimate with abstracts and specification for Rs. 2,960.
 - 1 Calculation paper with traffic return statement.
 - 1 Plan of culverts.
 - 9 Sheets of survey (sent separately).
 - 1 Index map.

2. The estimate consists of the following items :—

	RS.
Earthwork	3,771
Rock cutting	2,758
Clearing prickly-pears	448
Gravelling	3,539
Masonry works	2,960
Compensation	354
Petty supervision	350
Contingencies	220
Total ...	14,400

3. The Local Fund Engineer reports that sufficient water-way has been allowed for culverts; certain * streams are not provided with masonry works, as during high

freshes the water will not flow in these for more than twelve hours. The soil being gravel and red earth, the foundations allowed for culverts are considered sufficient.

4. The rates are fair, and the estimate is recommended for sanction; but before the work is carried out, the Local Fund Engineer should carefully examine the line marked out at the end of the second mile. Here he proposes to expend Rs. 2,760 in cutting the road for a distance of nearly 800 feet through hard rock (estimated rate Rs. $2\frac{1}{2}$ a cubic yard) for a depth of from $1\frac{1}{2}$ to $2\frac{1}{2}$ feet.

The Superintending Engineer has no doubt but that, with a little care and trouble, a better line could be selected and a very great saving effected, and probably the heavy gradients of 1 in 20 and 26 avoided.

TRICHINOPOLY,
12th December 1883.

(Signed)

H. R. MEAD, Lieut.-Colonel., R.E.,
Superintending Engineer, Sixth Circle.

ORDER—dated 24th December 1883, No. 3704 W., Public Works.

The estimate, amounting to Rs. 14,400, for forming a road from Vaiyampati to Palayiduthi, in the Trichinopoly district, is sanctioned.

2. Before carrying out work on the second and third miles, the Local Fund Engineer should, as suggested by the Superintending Engineer, carefully examine the ground in view to an alteration of alignment, whereby the heavy cost of rock cutting at the end of the second mile may be avoided.

3. This sanction has been registered as Local No. 48 W. of 1883-84.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Board of Revenue, with sixteen enclosures.
" Superintending Engineer, Sixth Circle.
" Financial Department.

Exd. A. F. Goodall.
Spare Copies

3704
2

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1883) Madras.

PUBLIC WORKS.

Dated December, 24th

Recd.

Encl.

G.O., 24th Dec. 1883, No. 3704 W.

DECEMBER.

Road

Estimate, amounting to Rs. 14,400, for forming a — from Vayampati to Palavuduthi, in the Trichinopoly district, sanctioned.

have sanction to be
drafted with note to the
effect that before carrying out
work on the 2nd + 3rd miles the
L. F. Engineer should carefully
examine the ground in view
to an alteration of alignment
whereby the heavy cost of well
cutting at end of 2nd mile may
be avoided, as suggested by L. F.

15/12

Public Works Department, 1883-84

Current No. 11257
Letter No. 523 T. C.
Dated the 12th Dec/83
From the Subg. Engr. 6th Circle

NOTE OF REMARKS.

1. The accompanying plans and estimates provide for the formation of a road from Vayampati to Palavuduthi in the Trichinopoly District. The estimated amount is Rs. 14,400.
2. Plans and estimates have been carefully prepared and have been submitted in correct form. The calculation of areas of earthwork & cross sections, however, might have been worked out in better style.
3. The length of the proposed road is nearly 9 miles, with its surface 4 feet above the adjacent ground level. The cross section is — top breadth 15 feet, the center 12 ft. installed, with side slopes from base of 2 to 1. Subject to approval.

the proposed method of laying metal, gravel in this case, is wrong. To obtain a transverse convexity of surface of road, the earthwork being slightly concave, the gravel is to be laid 9" deep at center of bed sloping down to 3" on either side; and then the well watered and rammed. Could it not be so arranged that by a better section of earthwork a more uniform depth of metal would be obtained, securing at the same time a correct convex surface? — S. C. directs attention to the great expenditure to be incurred on account of 'rock cutting' at the end of the 2nd mile, and states his opinion that a better line as to gradient, as well as cheaper, may be found on further examination, than the one now chosen at this place. S. C. also suggests the addition of 'returns' in the culvert of 2 vents.

4. The estimate has been countersigned by the President of the L. F. Board.

18th Dec/83
S.C.

I enclose in this remittance — it would be better to shape the earth surface properly & lay the gravel coating of uniform thickness over the 4 yds., but the matter is not of much consequence & S. C. has accepted the arrangement specified. (14)

W. 523. T.C

Trichinopoly
12th December 1883.

Report by the Superintending Engineer & circle on the estimate for forming a new road from Vemponty to Palavichetti in Trichinopoly Div. — 4/3 — Total Rs. 14,400.

Incls: 13 + 1 = 14

1 Detailed & abstract Bt.

with specification
+ report Rs. 10,000.

1 Bt. with abstracts & specification for Rs. 22,400.

1 Valuation paper with traffic return statement.

1 Plan of culvert & sheets of survey.

1 Index map.

2 sent separately.

The road is nearly 9 miles in length and runs almost ^{entirely} along the present cart tracks through the villages of Sarvaigarampatty and Ramengalam. It is proposed to raise it one foot above the present level of the ground with a top width of 5 yards and side slopes of 2 to 1. The surface of the road to be gravelled to a width of 4 yards and an average depth of 6 inches — ordinary unscreened gravel to be used.

The estimate consists of the following items.

Earthwork — Rs 3771

Rock cutting — 2758

Carried over ... 6529

Brought forward ... Rs 6529

Clearing Prickly pears — 448

Graveling — 3539

Masonry works — 2960

Compensation — 354

Petty supervision — 350

Contingencies — 220

Total Rupees. 14,400

3. The Local Ind Engineer reports that sufficient waterway has been allowed for culverts. — Certain streams are not provided with masonry works as during high freshes the water will not flow in these for more than 12 hours. The soil being gravel & red earth the foundations allowed for culverts are considered sufficient.

4. The rates are fair and the Estimate is recommended for sanction, but before the work is carried out the Local Ind Engineer should carefully examine the line marked out at the end of the

2^d mile. Here he proposes to expend Rs 2760 in cutting the road for a distance of nearly 800 ft through hard Rock estimated rate (Rs 2 1/2 a c yd) for a depth of from 1 1/2 to 2 1/2 ft.

The Sup^r Engineer has no doubt but that with a little care & trouble a better line could be selected and a very great saving effected and probably the heavy gradients of 1 in 20 & 26 avoided.

M. M. M. Local Ind
Sup^r Engineer, Sude.

N. O. 11200

From,

The Supt Engineer
b. circle

To,

The Chief Engineer
P. W. D.

No 523 T.C.

Dated 12 December 1883.

Rev 15

Encls: 11

(3/11/83
1/11/83
1/11/83)

Road from Vyam.
Natty to Palavinduthi
in the Trichinopoly
District—

Submits for
sanction estimate
of Rs 11,400 for form-
ing a new road—

N. O. 3104 W

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 24th Dec 1883

Read the following

Letter from the Suptg.

Engineer Sixth Circle N. O. No 523 T.C of 12 Dec 1883

The estimate
amounting to Rs 11,400,
for forming a road
from ~~Vyampati~~ ^{Vaiyampati} to Pala-
viduthi in the Trichi-
nopoly District, is
sanctioned.

2. Before carrying
out work on the second
and third miles, the
Local Fund Engineer
should, as suggested by
the Superintending
Engineer, carefully ex-
amine the ground in
view to an alteration
of alignment, whereby
the heavy cost of rock
cutting at the end of

the second mile may
be avoided.

3. This sanction
has been registered as
Local No. 48 W of
1883-84.

Cy

19/12

W

19-12-83

2.9.60
22/12

B
28/12

sent
11/1/84

To

The Board of Revenue
with 16 enclos
" S.C. Sixth grade
" April. Dept.
CCh. Sec. for counter-
initials

11200

Govt. of (1883) Madras.

PUBLIC WORKS.

Dated

Recd.

Encl.

G. O. 24th Decr 1883, No. 3704/83.

Road

Est. amtg. to Rs 14,400.
for forming a - from
Vainpampati to Palavi
duthi in the Melchiramp
District, sanctioned.

60
/ 5

222

287

Entered in the Receipt Book