(1) Number of pages 16.

(2) Date of repair 20.7.87

(3) Initials of the Reference [illegible]

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. W DEPARTMENT

G.O. No. / B.P. No.	2792 W	Press. / Mis.
Dated	5- 10 - 1883 ~~198~~ .	

[illegible]

Not to be folded or roughly handled.

Archives —1 10,006-9 80

2792/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From Colonel J. BEATTY, R.E., Superintending Engineer, Fourth Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 20th September 1883, No. 400.

I have the honor to forward herewith an estimate, amounting to Rs. 8,300, with a survey plan (in book size), specification and report, for completing the famine road from Moranum to Abdulapuram, in North Arcot district, and to inform you that they have been examined and some petty errors in the estimate corrected in red ink. The amount of the estimate is now increased from Rs. 8,200 to Rs. 8,300.

1 Estimate.
1 Survey, including plans of masonry works.
1 Report.
1 Specification.
1 Extract of the Local Fund Board.

2. The length of the road is a little more than 15 miles, for which 16 tunnels and 35 road dams are provided ; during the famine the road was formed and 8 tunnels and 28 road dams constructed.

3. The present estimate provides for completing the masonry works, with the exception of one bridge, over the Dusi channel, and for gravelling turfing and earthwork where necessary.

4. I observe that the gravelling is to be $10\frac{1}{2}$ feet wide, with berms of 3 feet on either side, and side slopes of $1\frac{1}{2}$ to 1 turfed.

Note by the Chief Engineer, Public Works Department.

The estimate is submitted for the sanction of Government.

2. The Chief Engineer would suggest that the berms outside the metalled surface should also receive a coat of $1\frac{1}{2}$ inches or so of gravel.

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Chief Engineer, P.W.D.

28th September 1883.

Order—dated 5th October 1883, No. 2792 W., Public Works.

The estimate, amounting to Rs. 8,300, for completing the road from Moranum to Abdulapuram, in the North Arcot district, is sanctioned.

2. The attention of the Local Fund Board should be called to the suggestion in the Chief Engineer's note above recorded.

3. This sanction has been registered as Local No. 34 W. of 1883-84.

(True Extract.)

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

To the Board of Revenue, with five enclosures.
" Superintending Engineer, Fourth Circle.
" Accountant-General.
" Financial Department.

Exd. A. F. Goodall.
Spare Copies

2792
2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated October, 5th.

Recd. *Encl.*

G.O., 5th Oct. 1883. No. 2792 W.

OCTOBER.

Road from Moranum to Abdulapuram

Estimate for completing the —, North Arcot district, sanctioned with remarks.

No: 400

Supg. Engineer's office IV Circle
Coimbatore, 20th September 1883.

2792
3

From,

The Superintending Engineer,
IV Circle.

To,

The Chief Engineer,
P.W.D. Department.

Sir,

I have the honor to forward herewith an estimate amounting to Rs 8,300 with a survey plan, (in book size) specification and report for completing the Kanive Road from Moranum to Abdulapuram in North Arcot District, and to inform you that they have been examined and some petty errors in the estimate corrected in red ink. The amount of the estimate is now increased from Rs 8,200 to Rs 8,300.

2 The length of the Road is a little more than 15 miles for which 16 Tunnels and 35 Road dams are provided during the

Enclosures 5
1 Estimate
1 survey including plans of masonry works
1 Report
1 specification
1 Extract of the Local Fund Board -

the Famine the road was formed and
3 Tunnels and 28 Road-Dams construct-
ed.

3 The present estimate provides for
completing the masonry works with the
exception of one bridge, over the Dusi
Channel, and for gravelling turfing and
earthwork where necessary.

4 I observe that the gravelling is
to be 10½ feet wide, with berms of 3 feet on
either side, & side slopes of 1½ to 1 turfed.

I have the honor to be
Sir
Your Most obt servt

F. Beatty Colonel RE
Supy Engineer N Circle

A

Pr. Cir. 8179

From

The Supt. Engineer,
Fourth Circle

Dated 20th } Septr: 83.
Recd. 21st }

Rs. 400

Encl: 5

Road from Moramum
to Abdullapuram in the
North Arcot Dist: —

Forwarding an
Estimate of Rs: 5300 for
completing ~~Famine~~ —
with observations

021369
Cy 27/9 R 213/10

2782/5 pt 2

Memo: by the Chief Engineer P. W. Depts.

The estimate is sub
mitted for the sanction
of Government

2 The Chief Engineer
would suggest that the
berms on the metalled
surface should also receive
a coat of 1½ inches or so
of gravel. -

CJ.
27/9

Public Works Department, 1883-84.

2782/6

Current No. 8179

Letter No. 4100

Dated the 20th Sept 83

From the Exec Engr 4th Circle

779 C.W.

NOTE OF REMARKS.

1. This estimate, with plans provides for the completion of the famine road from Shoranoor to Abdullahpoor in the North West Division, at a cost of Rs 8,300. This amount does not include the land required for the construction of a bridge across the Dwaie channel, as allowance for which is made in the preceding estimate.

2. The length of road to be completed is 15 miles 15 fds — the breadth of earthwork is to be 18½ ft.; the breadth of metal where used, to be 10½ ft. with a depth of 4 inches; the breadth of gravelling to be 12 ft. with a depth of 4½ inches when used without metal as a substratum, and a depth of 3 inches when employed as a coating over metal. It would be better, if practicable, if a uniform breadth of 12 ft. [illegible]

Dr. remarks evidently important road such as this 18 ft. width of metalling would be unnecessary. 10½ ft. has been allowed, but in my opinion 9 ft. would be ample, a width I have employed in many roads much more important than this. However the 10½ ft. may stand as estimated, the E.F.S. & C. considering it a proper width & it is not expensive. —

I agree with T that for the gravel costing a depth of 6 inches would be better. 4½ inches is not enough unless the gravel is very superior. However the road is apparently a very important one & as this is my standard, but in something in mind I differ in my advice that the berms outside the metalled surface should also receive a coat of 1½ inches of gravel.

T. Is not earthwork or raising ? Can it is called much underestimated detailed width & height & cross section. — Ex.

2619

Dy. Ex.

Earthwork for 'raising' is correctly calculated. The cross section of road, trapezoidal in form, gives for a height of 2'2" a mean breadth of $\frac{16\frac{1}{2}+24}{2}$ or 20'4½" for 3 ft., a Br. breadth of $\frac{16\frac{1}{2}+20\frac{1}{2}}{2}$ or 21' to the side slopes are 1½ to 1. The amount provided for 'raising' is Rs 589.

[illegible]

contained for metalling as well as in the case of gravel where used as a substitute for metal. The depths given to gravel when used in the place of metal, may well be increased to 6 inches as a minimum; and when used for coating the thickness should be 1½ inches. The terms are to be left ungravelled.

3. Eight tunnels and seven road dams are to be constructed.

4. The estimate and plans have been countersigned by the President of the L.F. Board.

24th Sept/83
BSH

Very good — Draft proceedings as per above
Dy 29/9

I (illegible) Dy Chief Engineer

B. of Trade

No. 2792 W PUBLIC WORKS DEPARTMENT.

2792

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 5th Octr/83

READ the following

A/

From the Supg: Engr
Fourth Circle — M E No. 400 d/ 20th Septr/83
d/ Septr/83

Note by the Chief Engineer
P.W.D.

The estimate amounting to Rs. 8,300 for completing the road from Moramam to Abdullapuram in the North Arcot District, is sanctioned —

2. The attention of the Local Fund Board should be called to the suggestion in the Chief Engineers Note above recorded

3. This sanction has been registered as Local

Local No. 34 W of

1883. 84

Cy.
27/9

FW
28/9

— 8354 Dew
11/10

Grocery
370

To The Bo. of Rev: with 5 Encls
" Supy: Ins Fourth Encls
" Acctt Genl
" Finl Depts
(Chief Secy for consular instrs)

2194
8

PUBLIC WORKS

Dated 5/10

Rec'd. Ent'd.

G. O. 5 Oct 1883. No. 279

Nos.

Road from Mortenson to
Abbotts Spur &c

Estimate for Completion
to ——— North Arch
District Sanitarium
Battle Creek Mich.

64/5

Entd in Rec'd. Regr