

Public Works (189) Department.

G.O., No. 3150 W

DATED

5 Dec 1898

[Despatch Abstract.]

Road. The estimate, amounting to Rs 18,140, for constructing a — from Tadepalligudem Kudem road to Kantair via Kathapadu Agraharam in the Godavari St, sanctioned

90
4

T.B.

CS

226/12

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1899} of Madras.
PUBLIC WORKS.

Recd.

Regd.

} 1899.

Enclosures

Spare copies

G.O., No. 3150 W., 5th December 1899.

DECEMBER.

Road

The estimate, amounting to Rs. 18,140, for constructing a — from Tadepalligudem-Koderu road to Kantair *via* Kathapadu Agraharam in the Gó dávari district, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads,
Civil Works.

READ—the following papers :—

From W. C. DeMORGAN, Esq., M.I.C.E., Executive Engineer in charge, I Circle, to the Chief Engineer, Public Works Department, dated Waltair, 24th January 1899, No. 163 G.W.

I have the honour to submit, herewith, plans and estimates amounting to Rs. 20,320, for constructing a village road from Kantair to Kathapadu Agraharam received from the President, District Board, Gódávári, and scrutinized by my office, and request that sanction of Government be obtained to the same.

2. The road runs along the right bank of Vipparru irrigation channel, a distributary of Narsapur canal, and sufficient provision has been made in the estimates for replacing the existing spouts under the bank by glazed earthenware pipes.

3. A copy of the proceedings of the District Board, No. 19 of 25th February 1899, is enclosed.

From W. C. DeMORGAN, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Waltair, 23rd May 1899, No. 1182 G.W.

With reference to Memo. No. 2261 C., dated 4th May 1899, I have the honour to inform you that the District Board Engineer informs me that 18 feet was proposed as the width of the road to allow for the narrowing of the surface by rain gullies. He, however, proposes that the road may be reduced to 15 feet width.

2. Since the estimate was passed, he informs me that the Local Fund Board, Gódávári, have decided that such roads should be fair weather roads. The provision for gravelling may therefore be struck out.

3. For a fair weather road I think 15 feet may be taken as the minimum top width.

From W. C. DeMORGAN, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Camp Cocanada, 23rd October 1899, No. 2196 G.W.

In continuation of this office No. 52 C. of 11th October 1899, I have the honour to inform you that I have received back the estimate for constructing a village road from Kantair to Kathapadu Agraharam from the Local Fund Engineer, Gódávári district, who requests a re-consideration of the remarks conveyed in Public Works Memo. No. 3441 C., dated 11th August 1899, on the following grounds :—

(a) The road runs through black cotton soil, which is constantly soaked for nine months out of the year (first and second crop irrigation). It is the experience of the Local Fund Engineer that 18 feet is the best width that will stand this constant soaking, and he strongly recommends that 18 feet be adhered to as it will, in the end, prove economical.

(b) The width of gravelling has been reduced to 12 feet retaining a thickness of 6 inches. The reduction of width will effect a saving of some Rs. 2,000. The Local Fund Engineer reports as his experience that a 3-inch layer of gravel in roads of this description has a life of not more than two years and that even 6 inches is insufficient, as the road passes through second crop irrigated land, and that the gravel is swallowed up by the treacherous formation.

As my experience is similar, I have the honour to support the Local Fund Engineer's representations and recommend that the estimate should be passed.

ORDER—No. 3150 W., dated 5th December 1899.

The estimate, amounting to Rs. 18,140, for constructing a road from Tadepalligudem-Koderu road to Kantair *via* Kathapadu Agraharam, in the Gódávári district, is sanctioned.

2. This sanction has been registered as Local No. 17 W. of 1899-1900 and classified as Communications—Original Works.

(True Extract.)

Under Secretary to Government.

To the Superintending Engineer, I Circle.

„ Local and Municipal Department, with thirteen enclosures.

Read the following:—

*Send proof
P.W.*

From the Supty. Engineer, Tiruch, No. 163 G.N., dt 24th Aug 1899
Do No. 1132 G.N., dt 23rd May 1899
Do No. 2196 G.N., dt 23rd Oct. 1899

M. H. Bant



Circulated to

His Excellency the Governor

ORDER. No: 315-000/5-12-99

The Local and Municipal
Department for favour of
Counterinitialed

Note for the Secretary, L & M. Deptt.
No objection in this Department.

For perusal

*Ascertain correct names & issue
Shelling could
Am. for
Sundt. 2/12/99*

To the Supty. Engineer, Tiruch. ✓
" L & M. Deptt with 13 encls.

T. H. P. S. CS

The estimate, amounting
to Rs. 18,140, for constructing a
road from Tadapalligudem
Koderu road to Kantair via
Kathapadu Agraharam, in the
Godavari District, is sanctioned
2. This sanction has been registered
as Local No. 17 W of 1899-1900
and classed as Communication
Original Works.

*HT All 23/11/99
28/11/99 S.W.*

May

Note The estimate is dealt with
in the technical notes flagged.

*K & U
8/12/99*

*All 23/11/99
S.W.*

May

Public Works Department.

Current No. 8828

Letter No. 2196 GW

Dated 23 October 1899

From the Supy Engineer & Circle.

NOTE BY TECHNICAL SECTION.

Name of work Road from Tadepalligudem
Koder road to Kantam via Kothapat.
Aghaharam.

Amount of Estimate Rs 18,100

With reference to this office memo
No. 3441 C dated 11th August 1899, the
S.E. & Circle, submits a fresh es-
timate prepared by the District
Board Engineer for constructing
a road from Tadepalligudem
Koder road to Kantam via Kotha-
pat. Aghaharam in the Goda-
var District and states that
the District Board Engineer re-
quires reconsideration of the
memo under reference, for the
following reasons:-

(a) The road runs through black
alluvial soil which is constantly
soaked for 9 months of the year
and in the experience of the Board
Engineer a width of 18 feet is
considered to stand this heavy
soaking and in the end prove
economical.

(b) The width of graveling has been reduced to 12 feet but the depth of 6 inches has been retained as the Roads Engineer considers that a layer of 3 inches of road of black cotton soil has a life of not more than 2 years and that even 6 inches is insufficient; as the road passes through two crops irrigated land.

The SE supports the suggestions of the Roads Engineer and recommends the sanction of the estimate.

The present estimate is reduced by Rs 2180 by the reduction in the width of graveling from 15 to 12 feet.

[Faint handwritten notes in the left margin, mostly illegible.]

W. for order. with care to keep the terms in order a 15' road should be just as good as an 18' one. but the matter is of no great importance and the estimate as now submitted may be sanctioned.

all
11/11/99

[Signature]
11/11/99

SW
for perusal
of Mr. Miller
seen
all

Public Works (1899) Department.

CURRENT No. 2198.

From The Supg. Engr. 11/11/99
J. H. & Co. 11/11/99

Order

No. 1639/99

Dated 11/11/99
Received 13.3.99
Registered
Enclosures 14. 4 plans.
Spare copies

SUBJECT.

Budg. a village road from Dandam to Kattana Pad Agraha - same - submit plans and estimate amounting to Rs. 20320 for request to obtain the sanction of Govt. to the same.

T for scrutiny
13.3.99
Dul.



HC

0.2.5.33 11/27/11 sent again 28/4 11/27/11

FURTHER PAPERS.

S. E. I.
500-15-1-98.

No. 163-9W.

FROM

A. C. De Morgan, Esquire, M. D. C. E.
Executive
SUPERINTENDING ENGINEER, in charge,

FIRST CIRCLE.

THE CHIEF ENGINEER.

PUBLIC WORKS DEPARTMENT.

WALTAIR, 24th January 1899.
Camp. = 9 March.

SIR,

I have the honor to submit herewith plans and Estimates amounting to Rs 20,320 for constructing a village road from Kaneru to Katta -rapad Agraharam received from the President District Board, Godavari, and scrutinized by my office and request that sanction of Government be obtained to the same.

2. The road runs along the right bank of Tipparru Irrigation Channel, a distributary of Karsapur canal and sufficient provision has been made in the estimates for replacing the existing spouts under the bank by glazed earthenware pipes.

ware pipes.

3. At Copy of the Grounds of the St Board
no: 19 of 25. 2. 99 is enclosed I have the honor to be

Your most obedient servant
H. Morgan

26.1
60/25/29 Exe. Sup't in charge, I circled

Public Works Department.

Current No. 2198

Letter No 163 G. N.

Dated 24.1.99 - 9.3.99

From the Sups Engineer I Circle

NOTE BY TECHNICAL SECTION.

Name of work. Constructing a Village Road from Kanteem to Kattavapad Agraham - Godavari District.

Est Rs 20,320.

The estimate provides for constructing a Village Road from Kanteem to Kattavapad Agraham - Godavari District.

The road, which is 3 miles $6\frac{1}{2}$ furlongs in length, runs along the right bank of Vikram Irrigation Channel a distributary of Narsapur Canal, being widened from 2 to 3 vrs. The road is to

? Why 18 ft for a village road - 13 ft. should be sufficient - the columns 26 inches to pass. A reference should be made to S.S. in this limit.

Canal? 24/4/99
Travel should be examined in 2 layers of 3" depth.

raised at various parts from 1.61 to 6.10 feet in height & will have a top width of 18 feet with side slopes $1\frac{1}{2}$ to 1, of which 15 feet will be travelled half foot deep & turfed on both sides. A wooden bridge of two

Shaws of 10 feet each is to be built at 2 miles $7\frac{1}{2}$ furlongs, and six flared earthenware pipe-shoots varying from 1 to 2 feet diameter in place of the existing shoots under the bank. The hydraulic calculations in connection with the wooden bridge have been checked & found to be correct, vide calculations sheet attached to estimate.

Notes. Data has been submitted in principal items. An extract of the Proceedings of the District Board, Godavari, passed at its meeting held at Eluru on 25-2-99 No. 19 has been submitted in information.

10.7.41.
20.4.99
Ark
21.4.99.

P.W. DEPARTMENT.

READ the following:—

From the Superintending Engineer, I Circle,
No. 163 G.N., dt 24 January 1899

Circulated to H. E. The Government

ORDER.

The estimate, amounting to Rs. 20,320, for constructing a road from Kanteru to Kattavapad Agraharam in the Godavari District, is sanctioned.

2. This sanction has been registered as Local No. W of 1899-1900, and classified as Communicable Original Works.

Ark
24.4.99.

[Signature]
24.4.99

To
The Suptg. Engineer,
I Circle.
Local & Municipal Deptt.,
With 14 encls.

Note. The estimate is dealt with in the accompanying technical note.

Ark
24.4.99.

[Signature]

[Signature]

P. W. Department.
No 226/C of 4/5/99
Memorandum

With reference to
letter, No. 163 G. N., dated 24th
January 1899, from the Suptg.
Engineer, I Circle, submitting
for sanction an estimate of
Rs. 20,320 for constructing
a village road from Kankara
to Kattavapad Agraharam,
in the Godavari District, the
undersigned has the honour
to observe that a top width of
13 feet, which will allow 2 bands
to pass, should be sufficient
for a village road, and to
inquire why 18 ft have been
provided for.

[Handwritten initials and signature]
C.S. *[initials]*

[Handwritten initials]

AER
1.5.99

[Handwritten signature]

[Handwritten signature]

To
The Suptg. Engineer, I Circle. *[initials]*

6/5/99

Public Works (1899) Department.

CURRENT No. 4191

From The Dy. Commr. Bangalore
H. A. C. 12

Order

No. 1132 G.N.

Dated 23.5.99

Received

Registered 29.5.99

Enclosures

Spare copies

SUBJECT.

- W (1)
For order whether width of
road can be reduced to 15';
(2) & provision for travelling
stock out.

A.P.K.
1.6.99.

- (1) Yes -
(2) Yes. if the soil is
sandy. otherwise at
least 3" that he
provided.

T. M. S. 11/4
S. S. 37/11/4

Consig. a Village road from
Kanthar to Kattana palagru
Karam - furnishing
certain information in
regard to the width of the road
states that 15' may be taken
as minimum width for a fair
width road.

27/6
S. S. 157

H.C.

BACK PAPERS.

FURTHER PAPERS.

S. E. I. 500--15-1-98.
2

No

FROM

W. C. De Morgan, Esquire, M. I. C. E.
SUPERINTENDING ENGINEER,

SUPERINTENDING ENGINEER,

FIRST CIRCLE.

Enclosures,

To

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

WALTAIR,

23rd May 1899.

Camp.

SIR,

2261C
4.5.99

With reference to memorandum
I have the honor to inform you
that the District Board Engineer informs
me that 18 feet was proposed as the width
of the road to allow for the narrowing of
the surface by rain gullies. He, however,
proposes that the road may be reduced
to 15' width.

2 Since the Estimate was passed, he informs me that the Local Fund Board, Godavari, have decided that such roads should be fair weather roads. The provision for gravelling may therefore

therefore be struck out

3. For a fair weather road I think 15' may be taken as the minimum top width.

I have the honor to be,
Sir,

Your most obedient servant

M. K. G. G. G.

Superintending Engineer. 24.5.99.

First Circle

CN^o 21983 4191 No. 3441 CD 11/8/99

Memo

In returning the estimate of Rs 20,320 for constructing a village road from Kantam to Kattampad Agraharam in the Godavari District, received with letters W^o. 163 & N + 1152 & N, dated 24th January 1899 and 23rd May 1899, from the Super Engineer I Circle, the undersigned has the honor to request that a revised estimate may be submitted reducing the width of the road from 18 ft. to 15 ft. and eliminating the provision for graveling if the soil is sandy. If not sandy at least 3 inches of gravel should be provided.

The
B
C.S. 28

gravelly or
sand

1 kilometer sent 5/10/99

HK

HK
8/8

INDEXED

Xth

20th S.E. I Circle

12/8/99. 24/8/99

14 including 4 plans

22610 of 4-5-99

Public Works (1899) Department.

CURRENT No. 8848

From The Supg. Engineer
First Circle

Order

No. 2196 G.W.

Dated 23/10/99

Received
Registered } 30.10.99

Enclosures 13. Plans 4 } Total
others 9 } 13

Spare copies

SUBJECT.

Order a village road from
Korhara to Kottanpadi —
uniforms that the L. P. Engr. re-
quest a reconsideration of
his remarks conveyed in the
No. 3441 of 11-8-99 on certain
points.

T. J. For secretary.
H. C. 1/11/99

H. C.

BACK PAPERS.

FURTHER PAPERS.

$$\frac{5}{4} 200 \text{ --- } 15.6:1899.$$

No. 2196 GN.

FROM

W. L. De Morgan Esq M. I. C. E.,
THE SUPERINTENDING ENGINEER
FIRST CIRCLE.

TO

THE CHIEF ENGINEER.

PUBLIC WORKS DEPARTMENT

WALTAIR.

189

Enclosures.

Camp, *Cocconada* Dated 23-10-99.
25-

SIR,

In continuation of this office No. 52 of 11th 99
I have the honor to inform you that I have received back the estimate for constructing a village road from Kontim to Kakinapad agrapharam from the Local Fund Engineer Godavari District, who requests a reconsideration of the remarks conveyed in P. W. Memo. No. 3441-6, dated 11th August '99 on the following grounds.

(a) The road runs through Black cotton soil, which is constantly soaked for 9 months out of the year (1st & 2nd crop irrigated). It is the experience of the local Engineer that 18' is the best width that will stand this constant soaking, and he strongly recommended that

18' be adhered to, as it will, in the end,
prove economical.

(b) The width of gravelling has been
reduced to 12' retaining a thickness of
6". The reduction of width will effect
a saving of some Rs 2000. The Local ~~Fund~~
Engineer reports as his experience that
a 3" layer of gravel in roads of this
description has a life of not more
than two years and that even 6" is
insufficient, as the road passes
through 2nd crop irrigated land, and
that the gravel is swallowed up
by the treacherous formation.

As my experience is similar, I
have the honor to support the Local
Fund Engineer's representations and re-
commend that the estimate should
be passed.

I have the honor to be,
Sir,

Your most obed^t Serv^t

24.10.

W. D. M. G. N.

Superintending Engineer
— C. M. C.

58