

Public Works (1898.) Department.

G.O., No. 941 25

DATED 6 April 1898

[Despatch Abstract.]

Road, Estimates ~~of Rs.~~ approp^g Rs. 9150.
for constructing a road from Tadikonda
to join the Amaravati-Guntur road in
the Kistna dist^y sanctioned.

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6/11/98

Indexed. 6/4

Government {1898} of Madras.
PUBLIC WORKS.

Spare copies

G.O., No. 941 W., 6th April 1898.

APRIL.

Estimates, aggregating Rs. 9,150, for constructing a road from Tadikonda to join the Amaravati-Guntúr road in the Kistna district, sanctioned.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From J. HANNAN, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated Bezwada, 8th March 1898, No. 666-K.

I have the honour to submit herewith, for your approval and the sanction of Government, an estimate, amounting to Rs. 9,150, for the construction of a road from Tadikonda to join Amaravati-Guntur road in the Kistna district.

2. The rates are in accordance with the current schedule of rates of the Local Fund Department.

3. Copy of the District Board's resolution sanctioning the above estimate is herewith forwarded for your information.

ORDER—No. 941 W., dated 6th April 1898.

The estimates, aggregating Rs. 9,150, for constructing a road from Tadikonda to join the Amaravati-Guntur road in the Kistna district, are sanctioned.

2. The countersignature of the President of the District Board to the estimates should be obtained before the work is put in hand.

3. This sanction has been registered as Local No. 2 W. of 1898-99.

(True Extract.)

Under Secretary to Government.

To the Superintending Engineer, II Circle.
,, Local and Municipal Department, with fifteen enclosures.

Exd. C. M. Thumbasawmy.

Papers to be read in Proceedings:—



Again G.O., dated

189 , No.

Again G.O., dated

189 , No.

Current No. 2286

of 1898, dated 8th March 1898, from the S.E. II Circle

„ „

„ 189 , „

„ „

„ 189 , „

ORDER.

The estimates aggregating

Rs. 9,150 for constructing a road from Tadikonda to join the Amaravati-Guntur road in the Kistna District are sanctioned.

The countersignature of the

President of the District Board to the estimates should be obtained before the work is put in hand.

3

This sanction has been registered as Local No. 2 W. of 1898-99.

May

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

The S.E. II Circle

24th March with enclos.

Public Works Department.

Current No. 2286

Letter No. 6664

Dated 8th March 1898

From the Sups. Engineer II Circle

NOTE BY TECHNICAL SECTION.

Name of work. Constructing a Road
from Tadikonda to join
Amasavati - Guntur Road
in the Kistna District.
Est Rs 9,150

This Estimate was prepared
in compliance with the
request contained in the
Guntur Taluq. Board Peti-
tion No 755 of 1896 dated
26.6.96. and is now
submitted for the sanction
of Govt.

Great inconvenience is expe-
rienced by not having
road communication to
Tadikonda Village which
is fast developing and
growing in importance.
The village is now appro-
ached by 'donkars' but
their low level and the
heavy black cotton soil
through which they run
make them impassable
during a part of
the year. In proposing

the new road advantage is taken of the Guntur-Burraavati Road by connecting it with the village by a branch road 1 mile 4615 feet in length by the nearest and cheapest route. The red line on the enclosed sketch is the alignment now determined on after careful consideration of other possible ones.

The line determined on after leaving the Guntur Road at 3 miles 8 furlongs follows the Ponni Kalla Donka as far as the headland road-dam, from which it will be diverted, in places, so as to avoid very low ground. The Donka cannot be too closely followed as a portion of it is really occupied by the drainage channel.

At the approach to the village in about 5 furlongs the line crosses the tank bed, allowing its surface to be under 1 foot of water when the tank is full. This slight submergence is unavoidable in the absence of a more suitable course. The tank has irrigation under it and, as such,

will not remain at its full level for more than a fortnight, which will cause little inconvenience to wheel traffic. The road surface will be kept flush with the ground level for the full length of the road in the tank bed, so that the drainage water entering the tank will not be interfered with or cause material damage to the road.

A road dam, with sufficient waterway, is provided to pass the stream with the least obstruction - For necessary hydraulic details vide calculation sheet attached.

The top width of the road is to be 18 feet, with side slopes 2 to 1 of which 12 feet at center is to be metalled. The road is to be dug out at an average depth of $1\frac{1}{2}$ feet from the starting point to a length of 2550 feet in tank bed to receive the metal. Sand will be

Calculation Sheet.

Drainage area 2 sq miles
Flood discharge with $Q = 500$ -

$$C.M. \frac{2}{3} = 500 + 1.587 = 793.67$$

The length of the road - dam
required by formula

$$L = \frac{D}{C \times \sqrt{2gd_1}} (d_2 + \frac{2}{3}d_1)$$

$$= \frac{793}{.8 \sqrt{64.4 \times 35} (1.5 + \frac{70}{3})}$$

$$= \frac{793}{6.66} = 119.4 \text{ lag}$$

$$= \frac{119.4}{120} \text{ ft.}$$

$$d_2 = 1.5$$

$$d_1 = .35$$

$$\frac{10.7.11.}{24.3.98}$$

the laid 6" deck throughout
to the length of the road
R underneath the 1st coat
the of metalling to harden
the surface of the earth.
The 1st coat of metal will
be backed 6 inches in
depth throughout, except
a road dip of 150 feet in
length for which a separate
estimate is attached.

The 2nd coat - lime stone
metalling - will also be
6 inches in depth, the
whole being covered over
with gravel one inch in
depth finally coated with
to $\frac{1}{4}$ inch of sand.

Notes - The detailed data
attached, in ratio allowed,
is fair.

Compensation for 10 acres of land
required at Rs 50 an
acre is allowed.

A resolution has been passed
sanctioning the estimate
in District Board's Proceed-
ings dated 24th July 1898
but the estimates have not
been countersigned by the
President District Board.

10.7.11.
24.3.98.

The estimates may be sanctioned
on the stipulation that they are
signed by the President of the
District Board before the
work is put in hand.

20/3/98 C.W.D.

Public Works (189⁸) Department.

CURRENT No. 2286

From

The Superintending Supt.
+ Civil

Order

No. 666 K.

Dated 8 March 1898,

Received 3 11-3-98

Registered

Enclosures to 16 (3 plans)

Spare copies

SUBJECT.

Road from Sadikonda
to join the aravathi-guntur
road in the Krishna District.
Forwarding for approval
and sanction of Govt. as-
-tutants &c for county -

For sanctioning
Crossed
DW
3/3/98

FURTHER PAPERS.

No. 666 K.

DATED 8. 3. 1898

FROM,

J. Hannan Esq
SUPERINTENDING ENGINEER,
II CIRCLE.

To,

The Chief Engineer
Public Works Department

Enclos: 6

SIR,

3 Tracings

2 Estimates

1 Copy of D^h.

3^d Resolution

I have the honour to submit herewith
for your approval and the sanction of Govern-
ment an estimate amounting to Rs 9,150/-
for the construction of a road from Tadi-
konda to join Auraravati - Guntur road
in the Krishna District.

2. The rates are in accordance with the current schedule of rates of the Local Land Department.

3. Copy of the District Board's res-
-olution sanctioning the above estimate
is herewith forwarded for your information.

I have the honour to be

Sir,
Yours most obed^t serv^t
Thos^o Kelly

Q 3/3 W.

For Super Engineer to be