

- (1) பக்கங்களின் எண்ணிக்கை 12  
(2) புதுக்கித் திருப்பிய நாள் \_\_\_\_\_  
(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் \_\_\_\_\_

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பெரியசாலை துறை

|                                       |       |                  |
|---------------------------------------|-------|------------------|
| அரசாணை எண்.<br>மு. கோப்புத் தாள் எண். | 1848W | அச்சகம்<br>பலவகை |
| நாள் : 22 - 6 - 1892 ரு.              |       |                  |

மடிக்கவேண்டிய கையாளவேண்டாது

Buildings and Roads.  
Civil Works.

The undermentioned estimates are sanctioned :—

(True Extract.)

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

Exd. A. D. Xavier.  
Spare Copies

செப்பனிருபவர் பெயர்  
செப்பனிருவதற்காக எடுத்த  
கொள்ளப்பட்ட நான்  
செப்பனிரு முடிந்த நான்  
சுமமா மச்சுளி  
மு. ம. ம. எ. கையெழுத்து  
கையெழுத்து

BUILDINGS AND ROADS.  
CIVIL WORKS.

Govt. of {1892} Madras.  
PUBLIC WORKS.

Dated June, 22nd.

Recd.

Encl.

G.O., 22nd June 1892, No. 1848 W.

JUNE.

Guntur-Bapatla Road

Estimates, amounting, respectively, to Rs. 8,860, and Rs. 6,356, for constructing a road dam at the 26th mile 2nd furlong and for improving the iron rail bridge at the 28th mile 2nd furlong of the — in the Kistna district, sanctioned.

Proceedings of the District Board  
Kistna passed at a meeting held at Masulipatam on Saturday the 14<sup>th</sup> May 1892.

Present.

Officials.

A. T. Arundel Esquire President.

Non-Officials.

J. W. Maiden Esquire

Rev. A. Subbarayudu

M. R. Py. J. V. Subbarayudu Pantulu garu Row Sahib

H. Rangadham Row Pantulu garu

H. Brahmanandam

H. Kristnamma Chari

Maziruddineh Ali Khan Sahib

Safdar Hussain

S. Naganna Chaidu garu Row Sahib

J. Seondari

P. V. Hanumantharao

H. Ramiah

H. Venkataswella garu

A. Venkataswamy

T. Rajalingam garu

V. Venkata Subbarayya

M. Karasimharao Pantulu garu

T. Anjaneyulu Chaidu

M. Venkata Kristnamma

L.P. Ry. Y. Subhanadri garu Rom. Sahib

A. Pundarikashudu

1. Read letter from the Superintending Engineer  
II<sup>nd</sup> Circle No 65 Hd dated 6<sup>th</sup> April 1892  
forwarding for sanction the duly approved  
estimates:—

(1) Improving the iron-rail bridge at  
2<sup>nd</sup> furlong of 28<sup>th</sup> mile of Guntur-Bapatla  
road amounting to Rs 6356-0-0

(2) Constructing road-dam at 26 miles  
2 furlongs of the same road amounting  
to Rs 8860-0-0.

Sanctioned. To be forwarded  
to Government.

(Signed) A. T. Arundel  
President

(True Extract)

V. Venkayya  
For President

9.7  
PW 587/5

25/5

No. 568 Ks

Superintending Engineer's Office,

II CIRCLE, Bapatla

Dated 31<sup>st</sup> May 1892.

From,

J. Hannan Esquire,  
Superintending Engineer,

II Circle.

To,

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

Encls. 8  
Plan of (as per) Sir  
Dist Board  
resolution  
estimate for  
road dam with  
date  
estimate for  
rail bridge with  
report & date

I have the honor to submit herewith  
for your approval, & the sanction of govern-  
ment the following estimates.

- (1) Estimate for Constructing road dam  
at 26 mi 2 f of Guntur Bapatla road  
in the Krishna District, amounting to Rs 8860
- (2) Estimate for improving the rail bridge  
at 2<sup>nd</sup> furlong of 28<sup>th</sup> mile of the same  
road amounting to Rs 6356.

2. The report accompanying explains  
the necessity for the above works.
3. Copy of the District Board's resolution  
approving of the same is enclosed for your information.
4. The rates are fair & the estimates are  
recommended for sanction.

I have the honor to be  
your most obedient servant  
J. Hannan

From  
The Supg Engineer  
and Circle

To  
The Chief Engineer  
P. W. Dept  
Madras.

Date 31<sup>st</sup> May 1892  
Recd 3.01.92  
Encls. 8 1/2 (5 plain)  
No. 568th

Guntur Bapatla road -  
County a road dam at 26 m.  
2 ft 4 Supg the rail bridge  
@ 28 m 2 ft of - Howards  
for approval & sanction  
of Govt. estimates for -

From,  
The Superintending Engineer,  
II Circle.

To,  
The

Dated

Received

Enclosures.

NO.

SUBJECT.

This estimate  
provides for  
the work is  
necessary &  
may be sanctioned

006

15/6-92

Current No.

Letter No.

Dated

From the

5879

568 Kb.

31<sup>st</sup> May 1892

Supg Engineer II Circle.

TECHNICAL NOTE.

The Supg Engineer II Circle sub-  
mits for sanction the maintenance  
and estimates for the approval of  
the Chief Engineer & sanction of  
Govt.

- (1) Construction of road dam at 26 m.  
2 ft 4 m of the Guntur Bapatla  
road to the Kistna Div. Rs 9860
- (2) Improving the rail bridge  
at 28 m 2 ft 4 m of the  
Guntur Bapatla road - 6350  
Total Rs 15210

The existing rail bridge is of 3  
vents of 18 feet each and the water  
way is stated to be quite insuffi-  
cient as the water passing  
through the bridge has no defined  
channel either above or below  
it, the country being more or  
less a swamp. In order to  
provide additional waterway  
it is proposed to extend the bridge  
by adding two more vents, one  
at each end of 18 feet span.  
The existing abutments which  
are

are only 2 1/2 feet thick, came on the piers, will be retained as piers and new abutments with wings built, as per plan. The embankment at the existing abutments will be removed & the stones utilized for building the proposed apron & retaining walls between piers & abutments.

The drainage area of the country about the Guntur-Bapatla road is stated to be 886 square miles & the discharge from this area is 41,490 cfs per second, using formula  $D = C \sqrt{h}$  -  $C = 450$ .

The total actual discharge across the road during the floods of 1889, as per calculations sheet, is 11,506 cfs per second or nearly 1/4 of the discharge for the drainage basin & for ~~practical~~ practical purposes this discharge of 11,506 cfs is considered sufficient, hence it is proposed to add 2 additional vents in the rail bridge & to construct a road dam by which means the 2 extra vents will discharge 522 cfs to the road down 6,619 cfs or a total of 7,141 cfs & by closing up the breaches which have discharged 6,143 cfs per second the mean discharge now provided will be 998 cfs over the actual discharge during the floods of October 1889.

The report accompanying the plans shows the necessity for the works proposed in detail.

The rates are all in excess of the schedule rates for the Krishna Irrigation Dist. but data is furnished for these high rates & the Super Engineer considers them as fair.

The plans & estimates have been counter-signed by the President & sanctioned by the Krishna Dist. Board in Proceedings dated 14th May 92.

*[Signature]*  
14.VI.92

No. 1848 W of 22<sup>nd</sup> June '92  
PUBLIC WORKS DEPARTMENT.

# PROCEEDINGS OF THE MADRAS GOVERNMENT

Read the following

From the S.E. II Circle No: 568 W of 31 May 1892.

*[Signature]*  
The undermentioned estimates are sanctioned:

*[Signature]*  
21 June Kistna District

- (1) Constructing a road dam at the 26 mile 2 furlong of the Guntur-Bapatla road ————— Rs. 8860. Local No: 13 W of 1892-93
- (2) Improving the iron rail bridge at the 28 mile 2 furlong of — do — 6356. Local No: 14 W of 1892-93

*[Signatures]*  
16.6.92

To The S.E. II Circle 19/7/92  
.. Local and Mump. Dept.  
with 11 encls.  
.. Editors Table *[Signature]*

Cd 5879

Govt. of Madras.  
PUBLIC WORKS.

Dated

Recd.

Encl.

G.O. 22 June 1892 No. 1828-17

Sankar-Bapatla Road

Estimates amounting  
respectively to Rs 8860 and  
Rs 6356 for constructing  
a road dam at the 26<sup>th</sup> mile  
2<sup>nd</sup> furlong and improving  
the iron rail bridge at the  
28<sup>th</sup> mile 2<sup>nd</sup> furlong of the —  
in the Krishna Dist. Sanctions

6

10/14

22/6-

20/6