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G.O. Ms. no: 386w. Public works.

DT: 2-2-1888.

S.G.M.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Colonel H. SMALLEY, R.E., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Bellary, 6th January 1888, No. 2000 :—

I have the honor to submit, for sanction of Government, an estimate of Rs. 12,548, with plans, &c., as per list for completing the road from Panem to Banganapalle frontier in the Nandyál taluk, Kurnool district. The estimate has been scrutinised in this office.

2. The total length of the road between Panem and Banganapalle is 15 miles, of which the first seven miles is in the British territory, and it is proposed to complete this length, as the road is of some importance and it is intended to serve as a feeder to the Panem railway station.

3. Provision is made in the estimate for the undermentioned items of work :—

	RS.
Earthwork	4,261
Seven road dams	6,517
One culvert of three vents 3' x 3'	437
Five tunnels	1,333
Total	12,548

ORDER—dated 2nd February 1888, No. 386 W., Public Works.

The plans and estimates, amounting to Rs. 12,548, for completing the road from Panem to Banganapalle frontier in the Nandyál taluk, Kurnool district, are sanctioned.

2. This sanction has been registered as Local, No. 41 W. of 1887-88.

(True Extract.)

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

To the Superintending Engineer, III Circle.
,, Local and Municipal Department, with 43 enclosures.

Exd. J. Moses.
Spara Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1888 Madras.
PUBLIC WORKS.

Dated February, 2nd.

Recd.

Encl.

G.O., 2nd Feb. 1888, No. 386 W.

FEBRUARY.

Road from Panem to Bangana-
palle Frontier, Kurnool District

Plans and estimates for completing the —,
sanctioned.

List of Plans & Estimates &c to accompany S.E.'s No
2000. of 6th January 1887 to the Chief Engineer
P.W. Department.

9/11

1. sheet sections of drains (Loaming)
- 5 sheets Plans of masonry works
- 1 sheet Survey of the road
- 1 sheet Longitudinal section on 7th mile
- 1 Enlarged survey on 7th mile.
- 1 Index map.
- 12 Detail & abstract Estimates for masonry work
- 1 Calculation sheet of contents of earth work.
- 1 Detail & abstract Estimate for metalling
& gravelling
- 2 General abstracts
- 1 Data
- 1 Specification
- 1 Report.

Total 29.

No. 2000

Superintending Engineer's Office

3RD CIRCLE

Bellary 6th January 1888.

FROM

Col. A. C. Smalley R.E.

THE SUPERINTENDING ENGINEER,

IIIRD CIRCLE.

TO

THE Chief Engineer

P.W. Department

Usasas

SIR,

30. Enclosures.

1 List of Enclosures
29 Estimates

I have the honor to submit, for sanction of Government an Estimate of Rs 12548 with plans & a paper list for completing the road from Panem to Banganpalli frontier in the Nandyal Taluk, Bellary District. The Estimate has been scrutinised in this Office.

2. The total length of the road between Panem and Banganpalli is 15 miles; of which the first seven miles is in the British territory, and it is proposed to complete this length, as the road is of some importance and it is intended to serve as a Feeder to the Panem Railway Station

3 Provision is made in the Estimate for the undermentioned items of work.

	Rs.
Earth work	42 61
7 Road Dams	6 517
1 bulwark of 3 vents 5x5	4 87
5 Journals	1 333
	<u>12 548</u>

I have the honor to be

Yours most Obedient Servant,

H. Murray Collyer

Superintending Engineer & Commissioner

387
4

From
The Superintending Engineer,
IIIrd Circle.

To
The Chief Engineer
P.W.D.
Madras

Dated 6 } January 1888.
Received }

Enclosures. 1 List of Enclosures
29 Estimates &c.

No. 2000

Road from Panem to Bangan
pally frontier in the Brandyal
Taluk, Kurnool Dt.:

Submitting for sanction
of Govt an estimate of Rs 12548
for completing the:

Public Works Department.

Current No. 265

Letter No. 2000

Dated the 6th January 88

From the S. E. III Circle

Submitted. Draft 6 p 6.
C. Sec. for submission.
NOTE OF REMARKS.

1. The accompanying plans &
estimates provide for com-
pleting the Road from Panem
to Banganpally frontier in
the Brandyal Taluk, Kurnool
District.

The amount of the estimate
is Rupees 12548.

2. The total length of the
Road between Panem and
Banganpally is 15 miles; of
which the first seven miles
is in the British territory, and
it is proposed to complete
this length, as the road is
of some importance and
it is intended to serve
as a feeder to the Panem
Railway Station.

3. The above amount of
Rs 12548.

12548 is divided as follows:
 1. Road Dam — 4661
 1. Culvert of 3 Vents 8x3 — 437
 5. Tunnels — 1333

Total Rupees 12548.

4. A small diversion from the original cut track has been proposed on the 7th mile near the Ganavaram Vagu as the bed of the chagun here is very bugged & proposed to have Road Dam built at right angles to the direction of current.

5. The top width of road is 18 ft. & the side slopes are 2 to 1.

6. The metalling is to be 12 ft. broad & 4" thick. The graveling over will be of 15 ft. broad & 1 1/2" thick.

7. The positions of the masonry works, such as Road Dams, Culverts, & Tunnels are marked on the survey sheet No 8.

8. The foundation of the masonry work will consist of rough stone in mortar & the superstructure is to be of hammer

3 3/4

hammer dressed stone in mortar.

9. The apron to consist of rough stone boulders closely packed and all interstices are to be filled in with stone chips to make it as solid as possible.

10. Report & specification have been submitted.

11. Some of the rates are fair & some are little in excess to those in the schedule, but Data list is submitted with the estimate.

12. Contingencies & Petty Super-
-vision are separately charged at 5 & 2 1/2 percent respectively.

13. The plans & estimates have been countersigned by the Vice President but not approved in the Local and Municipal Department.

with respect to Local Fund estimate. The rule is that the S.D. is to send them direct to the Ch. Engr. If approved by him, the estimates are at once sanctioned in P.W.D., the draft order being sent to the Ch. Engr. for completion.

J.H.

24-1-98.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 2nd February 1888.

Read the following

from the Superintending Engineer III Circle N.E. No. 2000 dated 6th January 1888.

The plans and estimates amounting to Rs 12,548 for completing the road from Panem to Banganpalli frontier in the Nandyal Taluk, Kurnool District, are sanctioned.

2. This sanction has been registered as Local No. 41 W of 1887-88.

The Supty Engineer III Circle
Local & Municipal Dept
with 3 enclosures

The Chief Secy for favor of
(counter-initials)

Wm
30.1.88

Wm
31/1

Wm
30/1/88

Wm

265

Gobt. of Madras

PUBLIC WORKS.

4/2/88

West 12-9a

Dated

Recd.

Encl.

G.O. 23 Feb 1888, No. 386a

Road from Pareur to
Bangampalli frontier

Murrol R.

Plans & Est. for con-
pleting the —, save-
time.

20/6

[Signature]