

(1) பக்கங்களின் எண்ணிக்கை 32

(2) புதுக்கித் திருப்பிய நாள் 6/88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் by

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

Original பற்றி துறை

அரசாணை எண். 914-4 அச்சகம்
மு. கோப்புத் தாள் எண். பலவகை

நாள் : 20-3-1888 198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

A-Mand

914
20TH MARCH 1888, No. 914 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from G. T. WALCH, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Kasibugga, 15th February 1888, No. 2588 G.D. :—

I have the honor to submit herewith for sanction an estimate received from the President, Local Fund Boards, Godávári District, amounting to Rs. 42,500, for constructing a road from Cocanada to Pithápuram. The estimate has been scrutinised by this office as far as possible. The road estimate, exclusive of cross drainage works, was revised according to the Deputy Chief Engineer's instructions contained in his memoranda * recorded in G.Os., Nos. 606 L.F., of 15th August 1885, and 1105 L.F., of 26th November 1885, and forwarded by the President to my predecessor (Major Clarke), who scrutinised it and returned † it to the President as requested by him. Now the President ‡ has sent that estimate, together with estimates for cross drainage works, for scrutiny and submission to Government.

ORDER—dated 20th March 1888, No. 914 W., Public Works.

The estimate, amounting to Rs. 42,500, for constructing a road from Cocanada to Pithápuram in the Godávári district, is sanctioned.

2. This sanction has been registered as Local, No. 49 W. of 1887-88.

(True Extract.)

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

To the Superintending Engineer, I Circle.
" Local and Municipal Department, with twenty-eight enclosures.

Exd. J. Moses.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1888) Madras.

PUBLIC WORKS.

Dated March, 20th.

Recd.

Enc.

G.O., 20th March 1888, No. 914 W.

MARCH.

Road

Estimate for constructing a — from Cocanada to Pithapuram in the Godavari district, sanctioned.

FROM,

No. 2588 *gd*
G. J. Welch Esq.
THE SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

Camp Kasibugga
DOWLATSHWARA, 15th February 1888
Recd 28/2.

SIR,

- Encls.*
- 1 Book of Survey & Section of road
 - 2 Sketch maps
 - 11 Plans of masonry works
 - 1 Detail & cross section of road
 - 11 do do of masonry works
 - 1 Gl abstract of masonry works
 - 1 Copy of letter No 328 received from the President Dt Pz Godavari with 3 enclos
- 28

I have the honor to submit herewith for sanction an estimate received from the President L.D. Boards Godavari District amounting to Rs. 4,2500 for constructing a road from Cocanada to Pithapuram. The estimate has been scrutinized by this office as far as possible. The road estimate exclusive of cross drainage works was revised according to the Deputy Chief Engineer's instructions contained in his Memo recorded in G.Os Nos 606 L.D. of 15th August/85 & 1105 L.D. of 26th November/85 & forwarded

* No 1328C of 4th Augt/85
1923C of 23 Nov/85

914
3

by the President to my predecessor
(Major Clarke) who scrutinized it &
returned it to the President as ^{with his letter}
^{No 2654 of}
^{14/3/86}
requested by him. Now the President
^{with his letter}
^{No 328}
³¹⁻¹²⁻⁸⁷⁻
has sent that estimate together with estimates
for cross drainage works for scrutiny
& submission to Government.

Have the honor to be
Sir

Your most Obedt Servant

C. P. Walsh
Superintending Engineer
1st Caste

26. 4. 82 N° 1035W
 6. 12. 82 N° 3241W
 4. 8. 85 N° 1328C
 2. 9. 85 N° 1449C
 4. 9. 86 N° 1486C
 23. 11. 85 N° 1973C

FROM,

G. J. Hatch Esq
 THE SUPERINTENDING ENGINEER

FIRST CIRCLE

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

DATED 15th
 DESPATCHED 28th } February 1888
 RECEIVED 28.3.88

No. 2588 G.D.

ENCLOSURES. 28.3.88

SUBJECT.

*(413 plan
416 book of
surveying)*
 Constructing a Road
 from Bocanada to
 Pittapur

Submits an Estimate
 for - for sanction of
 Government -

circ. 19-3-88 R20.3.88

Public Works Department, 1888-89.

Current No. 1072

Letter No. 148

Dated the 10th July 1885

From the *Supt to Govt - Public Works*

NOTE OF REMARKS.

1. The accompanying estimate with sketch and longitudinal section provides for constructing a road from Bocanada to Pittapuram in the Godavari district. - The estimate amounts to Rs. 45500. M
2. The proposed road is to be 10 ³³/₁₀₀ miles long and forms one side of a triangle of which the existing road connecting Bocanada and Pittapuram forms the other two. The line of country chosen is fairly level and the road is to run its course on an embankment, if it can be termed such, which for the most part varies in height between 1 ft. and 3 feet. The top width of roadways is to be 24 feet of which the center 15 feet are to be metalled. The metal

Ce. 29.7.88 R21/1/88

is to be 5 inches thick and is to be overcoated with gravel 3 inches thick. No masonry work has yet been provided. Three different rates are set down for metal, and also for gravel according to quarry. The following may be taken as the abstract: Earthwork - Rs. 8,450; turfing - Rs. 1,734; sectioning - Rs. 415; dressing slopes - Rs. 578; metal - Rs. 2,218; gravel - Rs. 10,347; compensation for land - Rs. 880; and contingencies - Rs. 2,176.

3. Subject to approval, this estimate cannot be accepted as satisfactory. The cost is too high. Not a single masonry work has been provided for and the road passes over level country still the charge per mile amounts to Rs. 4,763. —

Notwithstanding S.E.I.'s view of the subject there do not appear in the documents submitted any exceptional circumstances to warrant the adoption of 15 feet width of metalling for the road. —

It is stated in the report that:— The road is very useful for the villagers and travellers for weekly market in Bomanada and Pittapur and from this it would appear that the road is intended chiefly to serve the "villagers" and "travellers." — However in his letter No. 1584 of the 28th Decr. 84 the L. E. Engineer writes, when the metalled width allowed had been objected to:—

"This road will have the whole of the Jurni traffic and a width of 12 feet metalled is quite inadequate. In 12 feet there is not even room for two bandies to pass in the pukka and it will be a great pity to have one of the few roads leading out of Bomanada too narrow to suit the traffic." — Can the foregoing be considered as sufficient warrant for the increased metalled width? —

might not the gravel be
omitted or simply used
for surface blinding? —
Rs. 10341 are set down for that
item. — Subject to a further
reducing the width of
roadway to 18 feet or 21 feet;
the width of metalling to
12 feet; and by omitting
the item gravel, the esti-
mate would be improved.
The estimate has been
countersigned by the
President of the L. & B. Board
of the district.

24th July/85
B/H

N^o. 1328C of 1st Aug 1885. Memo.

In returning
herewith the Esti-
mate, (Sketch &c.)
for the construction
of a road from
Cocoquada to
Pittapur, rec^d from
the Financial (L. & B.)
Dept under Endorse-
ment no. 198, 8 10th
July 1885, the Ch: Engr
P. W. D. has the honor
to state ^{that} the estimate
cannot be approved
on the information
afforded.

2. The estimate
is ^{exceptionally large} ~~extremely~~ heavy,
amounting to
Rs. 4,500 per mile
of road, ~~which is~~

bridges or culverts
 being provided for.
 This heavy outlay
 is evidently due to
 provision for 15 feet
 of metalled surface.
 the metal being
 covered with 3 inches
 of gravel. This
 appears excessive,
 and the Engineer
 accordingly recom-
 mends that the
 following dimen-
 sions be adopted.
 Formation width
 21 feet: metalled
 width 12 feet: depth
 of gravel 1 1/2 inches.
 As metal and
 gravel are appar-
 ently of excessive

items in the locality
~~at present~~ the
 Estimate will be
 considerably re-
 duced ^{by reducing the quantities} thereby
 without, it is believed, impairing the efficiency
 of such a small local road.
 3. Further, it appears
 somewhat anomalous that,
 in an estimate for
 ten miles of broad
 Embanked road,
 widely and thickly
 metalled, no pro-
 vision ^{whatever has to be} is made
 for cross drainage.

C.W.
 29.7.85

W
 30.7.85

The Financial (L.F.) Dept. Dept. of Public Works
 with papers complete. 1/8/85

914/8

Financial Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

Letter from the President, District Board, Gaduvari, dated 18th June 1885 N^o 34, submitting for sanction an estimate for the construction of a road from Cocanada to Pittapore.

Read also Memorandum from the Deputy Chief Engineer P. W. D., dated 4th August 1885 N^o 1328 C returning with remarks the estimate sketch &c for the construction of a road from Cocanada to Pittapore.

Order thereon dated 15th August 1885 N^o 406 L. J. (Sis)

The estimate for the construction of the road from Cocanada to Pittapore should be revised, in accordance with the suggestions of the Chief Engineer

Public

N^o 13296 of 18th August 1885

Public Works Department.

(True Extract)

M. M. M. M.
Ag. Under Secretary.

Inch 73214

Dec 20/85.

The President, Dist. Board, Godavari.
with 4 enclosures returned.

" Public Works Department. No. 1449 ca/2? Sept/85

Q. No 3241 W 26 12.82
No 1486 C. 1.9.84
No 1328 C. 1.8.85

Recorded
Recorded

Cd.
25.8.85

W.
29.8.85

Q. No 12078

Q. No 27/8/85 12.2.9.85

Q. No 27/8/85

W.

Q.

The accompanying is a heavy estimate
for a local road - Rs. 45,000 for a
distance over 10 miles, or at the rate of
Rs. 4,500 per mile, & that without a
single bridge or culvert provided.

This heavy outlay is partly due to
provision for 15 ft. of metalled surface,
the metal being covered with 3 inches of
gravel.

S. L. has accepted the L. F. Engineer's
explanation that a 12 ft. width of
metal would be insufficient, to prevent
anything more need be said, the
Council refrain from expressing an opinion
that a formation width of 21 ft. instead
of 24, a metalled width of 12 ft., and
1 1/2 inches of gravel over the metal
would meet requirements.

The advisability of reducing the width
of metal & the thickness of gravel in all
the projects in this case, since the metal
& gravel are so very expensive, probably
from long leads.

Further, 10 miles of broad embanked
road, widely & thickly metalled, without
any provision whatever for cross drainage,
seems an anomaly.

Cd.

28.7.85

The estimate cannot be approved
on information before for.

I am decidedly in favour of
reducing the cost as suggested
above, - & a recommendation
to that effect can be made, -
the reasons being fully explained.

W.

28.7.85

P. W. DEPARTMENT.

914
10

No. 1486 C dated 4th. September 1884.

C I R C U L A R .

Several Estimates for metalling or remetalling roads in which provision has been made for a metalled surface varying from 12 to 18 feet in width, having recently reached this office, the undersigned is directed to invite the attention of Suptg. Engineers to G.O. dated 26th. April 1882, No. 1035 W.

The Government therein accepted the opinion of the Chief Engineer that a metalled surface of 12 feet is ample for a first class country road; and whilst admitting that, in cases of exceptionally heavy traffic or in the neighbourhood of towns, it may be desirable to adopt widths of metal of 15, 18, or even 21 feet, the Chief Engineer considers that on all ordinary country roads the width above specified should be adhered to.

When the circumstances of the traffic, or locality, or steepness of gradients, are such as to justify the provision of a greater width than 12 feet, the same should be clearly set forth in the Report.

(By Order)

C. Brown

Major R.E.

Dy. Chief Engineer P.W.D.

The Suptg. Engrs., with copy of
G.O. No. 1035 W of 1882.

Copy to the Secy. to the Bd. of Revenue.

Pittapur road, and

94
11

No. 1923 Coy 23rd Nov/85

P.W. Department

Memo

In returning the
papers referred under
Financial department

* C. No. 9991

(Referring for remarks
letter from the Presd,
District Board, Godavari 18 November 1885, the
stating that the metal-
led surface of the Coconada Chief Engineer P.W. Dept.
Pittapur road should
be at least 15 feet in the has the honor to state
opinion of the District
Board) —

that he adheres to the
opinion that a metal-
led width of 12 feet
is ample for the Coconada
Pittapur road, and

Oct 27/85 C.R. 207

207-84

that the District
Board would incur
an unnecessarily large
expenditure by adopting
a width of 15 feet.

2. A metalled
surface of 12 feet has
been prescribed for
first class country
roads in other districts,
and the Godavari Dis-
trict Board give no
good reason for
their resolution that
all the roads in their
circle should have.

⁹¹⁴
¹²
at least 15 feet of
metal.

Lu
21/11/85

W *E. N*

21.11.85

File. Sept.

with papers returned

Decr 24-11-85.

Cr

15/2

Q. 1923 Cap 23-11-85

J 3/4
23/11/85
B

Q. 98
30/11
1/12

914/13
Public Works Department.
Current No. 2157
Letter No. 2588

Dated the 15th February 1888
From the Supy. Engineer & Civil
Sanction *W. W.*
12-3-88

NOTE OF REMARKS.

The estimate under
review amounting to
Rs 42,500 provided for
constructing a road
from Coimbatore to
Pittapur in the
Sivakasi District.

The estimate is
divided as follows.

Road work Rs 32,430
Masonry Cross
Drainage work Rs 10,070
Total Rs 42,500

The estimate was
returned with the
Office Memo No 1328C
of 4th August 1885
to be revised and
submitted with

the Chief Engineer
suggestions have
been made & which
has apparently been
done with the amount
reduced from \$45,800
to \$42,800 inclusive
of masonry work
described under
of this there was
to be 9 Culverts and
1 bridge -

A few of the rates
are in excess of the
rates given in the
Schedule for the
Southern Division

Concrete - Estimate
rate \$15.12 & \$16.00
Schedule rate \$11.10
Bricks in Mortar - Est.
rate \$22 Schedule rate
\$19.76 -

Plastering - Est. rate \$3
Schedule rate \$2.8.

~~214~~
14
As the quantity
of concrete to be
used is large
a considerable
saving could
be effected in
the estimate
if the rate given
in the Schedule
is adopted -

The estimate
is submitted
for the President
of the District Bd.

C. J. P.
8/3/88.

In F.B. No 10354 of 26th
April 1882, it is laid
down that a rutted
surface of 12' is
ample for a first
class road -

C. J. P.
8/5.

B & R
e works.
9/14/13
PUBLIC WORKS DEPARTMENT.

A
1900

No 9/14/13

2/10

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 20th March 1888
Read the following

From the Suptg. Engineer I Circle H. E. No 2588 G. O. of 15th February 1888.

The estimate amounting to
Rs. 42,500, for constructing a road from
Vocanada to Pithapuram in the
Godavari District, is sanctioned.

7/14
20 mar

2. This sanction has been regis-
tered as Local No 49 of 1887-88.

13.3.88

13/3/88

W.S.
1888

To The Suptg. Engr. I Circle
Local & Municipal Deptt with
20 enclos.
In the Chief Secy for Genl of Govt. (in tent)

27/3

Cu

13/3

S. M. III. 88

circ. 19-3-88 P. 14. 3. 88

Govt. of Madras.

PUBLIC WORKS.

Dated

13/3/10

By

Encl.

G.O. No. 20 Mel 1888 No. 914 W.

Road

Estimate for constructing
a — from Cocanada
to Vittapuram in the
S. S. district.

10/5

808
243

81
243