(1) பக்கங்களின் எண்ணிக்கை 16

(2) புதுக்கித் திருப்பிய நாள் 9/89

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

14

PWD துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 1265

அச்சகம்
பலவகை

நாள் : 13 5 1889

1989.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,006—15-6-87.

1265

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From Lieut.-Colonel A. C. SMITH, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Ootacamund, 16th April 1889, No. 177 E.W.

I have the honor to forward, for sanction of Government, plans and estimate, amounting to Rs. 45,370, duly checked, for constructing the Coast road between Mangalore and Moolky, a distance of 11 miles and 6 furlongs. The estimate provides for 29 cross drainages.

2. The necessity for the extension of the road is fully explained in the report accompanying the estimate. The plans and estimate have been countersigned by the President, District Board, South Canara.

ORDER—dated 13th May 1889, No. 1265 W., Public Works.

The estimate, amounting to Rs. 45,370, for constructing the Coast road between Mangalore and Moolky, in the South Canara district, is sanctioned.

2. This sanction has been registered as Local No. 5 W. of 1889-90.

(True Extract.)

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

To the Superintending Engineer, IV Circle.
„ Local and Municipal Department, with eight enclosures.

Exd. J. Henricus.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated May, 13*th*.

Recd. *Encl.*

G.O., 13th May 1889, No. 1265 W.

MAY.

Coast Road between Mangalore and Moolky, South Canara District

Estimate for —, sanctioned.

No 799 C of 18th July 1889

1265

1265

Abstract

Statement of Expenditure

(a) Plans & Estimate of the Guruvana bridge

(b) Survey Showing Site of bridge

(c) Longitudinal Section of the river taken one mile above and below the Site of the proposed bridge

(d) Cross sections of the river one at Site of bridge, one above and one below

(e) Drainage area of Streams in Sq. Miles

(f) Coefficient used

(g) Formula adopted

(h) Mean Flood discharge in river

(i) Hydraulic Mean depth

(j) Flood fall per mile.

Memo

With reference to the Supdg. Engr's letter No 546 T.Z. dt 4th July 89, the undersigned has the honor to request early submission of the plans & Estimates for the masonry bridge, adding to the masonry bridge proposed to be constructed over the Pallageddu Stream in lieu of the iron girder bridge sanctioned in G.O. No 2365 dt/ 20 the 6th/85.

The hydraulic details on which the water way adopted has been determined should also be furnished

15.2.89 Dyer.

To
The Supdg Engr/ 1st Circle
R 18/2/89

No. 2365 W dy/10-10-85

Supdg Engrs Office, 4th circle,
Camp Cottacammd, 16th April/89

No. 177
2W

1265

From

Lieut.Colonel A.C. Smith, RE,
Superintending Engineer, 4th circle

To

The Chief Engineer,
P.W Department.

Sir,

Enclosures 16
5 sheets of Surveys & Sections
9 Plans of Culverts
1 Index Map
1 Estimate with Abstt, Report & Specification

I have the honor to forward for Sanction of Government, Plans and Estimate amounting to Rs 45370 only checked for constructing the Coast Road between Mangalore and Moolky, a distance of 11 miles and 6 furlongs. The estimate provides for 29 cross drainages.

2. The necessity for the extension of the road is fully explained in the report accompanying the

3 3. estimate

Carried on 1770

estimate. The Plans and Estimates
have been Countersigned by the
President, District Board, South
Canara.

I have the honor to be,
Sir,
Your most obedt: servant.

A Smith Lttt: col, R.E,
Sup.g Engineer, 4th Circle.

A

4

P.W.C. No 3641

From C.E.
The Supg. Engineer
Fourth circle.

Dated 16th April 1889.
Rec'd 20/4/89

No. 177
E.M.

Encls. 4 Estimate

Coast Road between Mangalore and Mulky

Forwarding for sanction plans and estimate &c. of Rs. 45,370 for constructing the —.

3/5

1265 - 1265

Public Works Department.

Oct. 27/5.

Current No. 3641

Letter No. 177 E.M.

Dated 16th April 89

From the S.E. IV Circle.

B Sanction. CWR 1.5.89

Note of Remarks.

The accompanying plans and estimate under review amounting ~~to~~ 45,370, provide for constructing the Coast Road between Mangalore and Mulky a distance of 11 3/4 miles in the South Canara Distt.

The estimate provides for 29 cross drainages.

The amount of ~~Rs~~ 45,370, is divided as follows:—

	~~Rs~~
Earthwork	11,680
Gravelling	7,210
Revetment to road embankment	326
Turfing side slopes of embankment	1069
Sectioning and tamping road	75-4
14 Mile stones	5-6
Contingencies about 7½ per cent	1675
	45,370

5

5

Brought forward Rs 22,770
29 Culverts ——— 14,600
1 Iron Girder bridge - 4,000
Compensation for land - 4,000

Total Rupees 45,370.

It will be seen from the cross sections of the road that the top breadth ~~of the~~ is 18 ft throughout, the side slopes where embanking the road are 1 to 1 and the slopes where cuttings are required are 1 to 2.

The gravel is to be spread to a breadth of 12 ft. & 6" in depth for the following places.—

From 1st to 3rd mile, from Cross section 10 in the 4th mile to C.S. 22 in the 5th mile, from C.S. 47 in the 6th mile to C.S. 62 in the 7th mile, from the C.S. a in the 8th mile to C.S. 163 in the 11th mile and from C.S. 183 in the 12th mile to the closing point, the remaining portions of the road are to be gravelled to a breadth of 18 ft i.e. full breadth of the road and 6" in depth.

1265

The steepest gradient of the road is 1 in 21 in the 6th mile, which may be accepted.

The estimate is submitted in a complete state, all culverts & bridges required are provided for, drawings of which are attached in their order (with the exception of Kalwad Bridge) as they appear in the section and are numbered similarly for ready reference.

Para 7 of the report says:—
"It is not anticipated that the Board will be able to provide funds for the work in a lump sum, but it is hoped that as large an allotment will be made towards it annually as possible. This is the reason that a detailed plan and estimate is not submitted for Kalwady Bridge, it is intended to span this with one span 24 ft in the clear, an Iron Superstructure similar to that sanctioned

× No 15 in the 10th mile.

6

Of Coimbatore Trichinopoly Road. Maj

sanctioned for Kajiker with a modification in the sections of iron, as the span is some what less is proposed. A temporary wooden bridge will be provided here till funds are available, when a regular plan and estimate will be submitted for the work".

The following rates are in excess of those given in the Schedule of rates for the South Canara Sub Dn

Concrete work ~~15~~ 20 per 100 cft against ~~15~~ 12-8--

Hammer dressed rubble masonry ~~15~~ 25 per 100 cft against ~~15~~ 14

If the schedule rates are adopted the saving will be effected by ~~15~~ 2,000.

But it is stated that the stones for the work have to be conveyed from an average distance of 4 miles.

The plans and estimate have been countersigned by the President Distt Board South Canara. GHS. 30-4-89.

"6" in debtte.

No 1265

B & R

Hen.

1265

PUBLIC WORKS DEPARTMENT.

2P

A

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 12th May 1889

READ the following

From the Supdg Engineer IV Circle Dt. Co. No: 177 C. W. d/ 16th April/89.

The estimate amounting to Rs 45,370, for constructing the Coast Road between Mangalore and Mookky in the South Canara District, is Sanctioned.

2. This Sanction has been registered as Local — No: 5 W of 1889—90.

MS
Gheree

CWR 3.5.89

+ Shall Rueda 6.5.89

7 passed 7/5/89

To
The Supdg Engineer IV Circle
" Local and Municipal
Deptt with 8 enclos.

To
The Chief Secretary for favor of Countersignature. maj

Hml

(4)

To
~~Hector the Chief Secretary~~
~~Government Printer~~

1265

3

6

Agd. 23/5. Ch Secy 7/5. Attd 8/5.
3/5.
Dft

Govt. of 1880 Madras.

PUBLIC WORKS.

Dated

Read. Encl.

G.O. 13 May 1880 No. 1265

Court Road between
Mangalore & Moolky
& Canara District.
Ratify ——, sanctioned.

16

80/3

P 14/5 14