

- (1) பக்கங்கலின் எண்ணிக்கை 14
 (2) புதுக்கித் திருப்பிய நாள் 22-3-89
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 607

தமிழ்நாடு ஆவணக் காப்பகம்.

27

தமிழ்நாடு அரசு

P.W.D குறை

அரசாணை எண். 974
 மு. கோப்புத் தாள் எண்.

அச்சகம்
 பலவகை

நாள் : 15-4-1884

X

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

சேர்

1+6 shab (7)

60
974
15TH APRIL 1884, No. 974 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from G. T. WALCH, Esq., Officiating Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Cocanada, 17th March 1884, No. 561-V.Z.:—

I have the honor to forward herewith, scrutinized, an estimate, &c., for constructing a road from Ramabhadrapuram to Rajam, received from the President, Local Fund Boards, Vizagapatam.

- 1 Extract.
- 1 Survey.
- 1 Tracing.
- 1 Detailed estimate for earthwork, &c.
- 1 Detailed estimate for masonry works.

2. The heading given to the book of plans "Survey and Levels" by the Local Fund Engineer is not correct, as no levels are shown; consequently, all that could be

done as regards the earthwork was to check the arithmetical accuracy. No specification report accompanied the plans.

ORDER—dated 15th April 1884, No. 974 W., Public Works.

The estimate, amounting to Rs 80,000, for constructing a road from Ramabhadrapuram to Rajam, in the Vizagapatam district, is sanctioned.

2. Attention is drawn to the high price proposed to be paid for land, and to the fact that this item amounts to about one-third of the entire estimated cost of the road.

3. This sanction has been registered as Local No. 3 W. of 1884-85.

(True Extract.)

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

To the Board of Revenue, with five enclosures.
" Superintending Engineer, I Circle.
" Financial Department.

Exd. A. Aubert.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 15th.

Recd.

Encl.

G.O., 15th April 1884, No. 974 W.

APRIL.

Road

Estimate of Rs. 180,000, for constructing
a — from Ramabhadrapuram to Rajam, in
the Vizagapatam district, sanctioned with
remarks.

No. 561 V.Z.

FROM,

THE SUPERINTENDING ENGINEER

97k
FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

P.W. Department
FOR IRRIGATION.

Camp Cocanada Canal, 17th March 1884.
DOWLAISHWERAM,

Despd 20th March/84

SIR,

Enclosures 5
1 Extract
1 Survey
1 Pricing
1 Detailed Estimate
for Earthwork &c
1 Detailed Estimate
for masonry works
+ Sub by post 1884

I have the honor to forward
herewith scrutinized an estimate
for constructing a Road from Rama-
bhadrapuram to Rajam received from
the President Local Fund Board, Viza-
gapatam.

2. The heading given to the book
of plans "Survey & levels" by the Local
Fund Engineer is not correct, as no levels
are shown; consequently all that could
be done as regards the Earth work was
to check the arithmetical accuracy.
No specification report accompanied
the plans.

I have the honor to be,

Sir,

your most obedient st.

C. P. P. P.

Offr Supr Eng - 1st Circle.

2

From
The Supg Engineer
1st Circle

To The Chief Engineer
P.W.D.
Madras

Dated 17th
Decr 20th March 1914
Received

No. 561 V. 2
Enclosures 5

Constructing a Road
from Rameabadiapuram
to Rajam.

Forwards Scrutinized
Estimates & perform with
Certain remarks—

No: 974 Wd. 15. 11. 14

W

974

S.E.I. submits an estimate
of Rs. 80,000 for a road from Ramea-
badiapuram to Rajam forwarded
by the Local Fund Board through
him for sanction.

As pointed out by Mr. Welch no
specification, report, or levels accom-
panying the project, and his scrutiny
has therefore been confined to merely
checking the arithmetic.

The road apparently runs over
level or very slightly undulating country.
The formation consists generally of $\frac{1}{2}$ yard
of earthwork, embankment approaches
to culverts being all very plain.

The location of the line was
evidently "plain sailing", and the
estimating very simple.

The roadway is to be 21 ft. wide,
of which 18 ft. is to be gravelled with
 $4\frac{1}{2}$ inches of gravel. Probably it is
a road of second-rank importance.
I myself would rather have 6 inches
of gravel & the width of way cut
down to 18 ft. — of which 12 ft. covered
with 6 inches & the berms with 2 or
3 inches of gravel.

Compensation for land is as
much as Rs 26,599 — about $\frac{1}{3}$ of
the whole estimate. This is surely
very heavy for a road of this class,
but we must presume the L.F. Board
have satisfied themselves that this
item — over Rs. 1000 a mile, is unavoidable.
It is for land belonging to the
Semi-Govt. which are traversed
by the route.

3A

C.S.

3-4-84

T.O.

No reason is assigned

on 31.3.14

4

I think the estimate to be disposed of in the manner I would attention to the high for proposed to be paid for & to the fact that this amounts to one third the entire estimated of this road. *LL*
3-11

2686 - Chief Secy

974W

974 974

Current No. 2686

Letter No. 58/V.Z.

Dated the 17th March 84

From the S.E. I Circle

NOTE OF REMARKS.

1. The accompanying plans and estimate provide for constructing a road from ^{Ramalakshapur} Ramabhadrapuram to Rajam in the Vizagapatam District. The estimated cost is Rs. 80,000.
2. This project has been submitted in a very incomplete and unsatisfactory form. A Report and Specification have not been furnished - In a case like the present these documents are important. No statement is given of the object of the proposed work, or of the advantages and benefits expected to arise from it. No reason is assigned

9/3/84

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for the preference given to the route adopted. In short, all information which should be contained in a Report, is wanting.

Of course, in the absence of the Specification, we are left to assume that the various descriptions of work to be carried out are correct as to materials and workmanship. As S.E. mentions "no levels are shown" longitudinal or cross sections. Possibly this is attributable to the country being flat, and so leading to the assumption that levels were unnecessary.

3. Such papers and plans as have been submitted have been carelessly prepared, for examination of them brings forward many errors.

4. The length of the proposed road is 25 miles 2 furlongs and 13 yards;

the top breadth of road is 21 feet, the center 18 feet. being gravelled; the side slopes of earth embankment are 2 to 1. The depth allowed to gravel is 4" 2". Culverts, sluices, and road dams have been provided. It may be remarked that, where practicable, stone slabs may with economy be substituted for arches in many culverts. The total masonry work cost Rs. 16,834. The amount allotted for 'land compensation' is Rs. 25,599; for planting trees, Rs. 1,650; and for two Inspection Bungalows, Rs. 500.

5. The plans and estimate have been countersigned for the Resident of the L. & F. Board.

31st March/84

B. H.

974
B. H. Circle
PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 15th April 1884

READ the following

From the S.E.I. Circle No 561 V. 3. 97. 3. 92.

The estimate amounting to Rs 80,000, for constructing a road from Ramabudrapur to Rajam, in the Vizagapatam District, is sanctioned.

2. Attention is ^{drawn} called to the high price proposed to be paid for land, & to the fact that this

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