

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From Major O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 2nd May 1894, No. 95 T.N.

I have the honour to forward, herewith, letter No. 21, dated 28th April 1894, from the President of District Board, Tinnevely, addressed to the Chief Secretary to Government, together with its accompaniments.

2. The estimate, amounting to Rs. 51,900, received with the above letter, for the construction of a road between Ettiyapuram and Vilattikulam, *via* Padanthapuli and Pillayarnatham, in the Ottappidaram taluk, Tinnevely district, comprises the following items:—

	RS.
Earthwork	7,826
Gravelling, including spreading, watering and tamping	16,620
Compensation for land to be taken up	4,644
Two bridges of 3 arches of 20' span at 4,110	8,220
One culvert of 3 " of 6' "	740
" " of 2 " of 6' "	785
" " of 2 " of 6' "	760
" " of 2 " of 5' "	575
" " of 2 " of 4' "	530
" " of 2 " of 4' "	520
" " of 2 " of 4' "	460
" " of 2 " of 4' "	600
" " of 1 arch of 8' "	560
" " of 1 " of 8' "	485
" " of 1 " of 6' "	980
Two culverts of 1 " of 6' " at 490	475
One culvert of 1 " of 5' "	420
" " of 1 " of 5' "	700
" " of 1 vent of 3' " for supply sluice	760
Two culverts of 1 arch of 3' " at 380	1,800
One road dam of 300 feet long	1,500
Centring for all culverts and bridges	96
Charges for fixing mile and furlong stones	1,844
Petty supervision, &c.	
Total	51,900

3. The length of the road is to be 11 miles 5 furlongs and 174 feet. The top surface of the road is to be 18 feet in width, of which 15 feet are to be metalled, with the side slopes 2 to 1. The metal is to consist of 10½ inches of gravel. On each side of the metalling there will be a band of earth 1½ feet wide and 4½" mean thick.

4. The waterway allowed for the minor cross drainages are sufficiently provided for. It is proposed to leave the Vaippaur unbridged at present.

5. The above estimate was approved by the District Board in its resolution No. 1, dated 23rd April 1894.

6. The estimate was returned for correction to the President of the District Board, first on the 22nd November 1893 and again on the 5th March 1894; it was received back on the 28th April 1894.

7. The rates are fair and the estimate is recommended for sanction.

Memorandum to the Superintending Engineer, VI Circle, dated 29th June 1894, No. 480 D.

From Major O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 19th December 1894, No. 796 T.N.

With reference to your memo. No. 480 D., dated 29th June 1894, I have the honour to submit, herewith, an estimate amounting to Rs. 53,200, together with sketch map, survey, levels, report and hydraulic details, &c., for constructing a road from Ettiyapuram to Vilattikulam *via* Pandanthapuli in the Ottappidaram taluk, Tinnevely district, duly revised according to the instructions conveyed therein.

2. With reference to paragraph 4 of your memorandum under reference it will be seen that the velocity of the stream is only about $1\frac{1}{2}$ feet per second, and therefore no alteration has been made in the design.

3. The amount has been raised to Rs. 53,200. This revised estimate, as approved by the District Board, amounted to Rs. 53,400 (*vide* copy of their resolution No. 2, dated 26th November 1894), but this amount has been reduced by Rs. 200 in this office owing to the rectification of some mistakes in the calculations.

4. The rates are fair and the estimate is recommended for early sanction.

From the Superintending Engineer, VI Circle, dated 16th March 1895, No. 1032 T.N.
" " " VI " " 12th June " " 191 T.N.

ORDER—dated 26th June 1895, No. 1556 W., Public Works.

The estimate, amounting to Rs. 53,200, for constructing a road from Ettiyapuram to Vilattikulam in the Tinnevely district, is sanctioned.

2. This sanction has been registered as Local No. 7 W. of 1895-96.

(True Extract.)

Under Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Examiner, Public Works Accounts.
" Local and Municipal Department, with 18 enclosures.

Exd. T. K. Narayana Aiyangar.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of {1895} Madras.
PUBLIC WORKS.

Dated June, 26th.

Recd.

Encl.

G.O., 26th June 1895, No. 1556 W.

JUNE.

Road

Estimate of Rs. 53,200 for constructing
a — from Ettiyapuram to Vilattikulam in
the Tinnevely district, sanctioned.

No. 95-TN-

From,

Major C. V. Boddy, R.E.
Superintending Engineer
6th Circle

To,

The Chief Engineer
Public Works Department
Madras

Enclosures 12

sent separately.

1. Index Map.
3. Sheets of Survey
with Level Sections
(tracing)
3. Plans of Masonry
works.
1. File of Calculation
sheet of earth work
1. 1/2 of Detail Section
= make for masonry
works
1. Abstract Estimate.
1. File of Report with
specification, Road
Section, & also data
for gravel & masonry
works.
1. Letter No. 28
28-4-94
addressed to Govt.
with a copy of the
District Board's Reso-
= lution No. 1
23-4-94

I have the honor to forward herewith
Letter No. 21 dated 28th April 1894 from the
President of District Board, Tinnevely,
addressed to the Chief Secretary to Government,
together with its accompaniments.

2. The Estimate amounting to Rupees
51,900, received with the above letter, for
the construction of a Road between Ettiyapu-
= ram and Vilattikulam, via Padantha-
= puli and Pillayarnatham, in the Ottapida-
= ram Talag, Tinnevely District, comprises
the following items:—

	Rupees
Earth work	7,826
Graveling including spreading, watering and tamping	16,620
Carried over	24,446

Brought forward	24446
Compensation for land to be taken up	4644
2 Bridges of 3 arches of 20' span at 4110 =	8220
1 Culvert of 3 arches of 6' " ———	740
1 " of 2 " of 6' " ———	785
1 " of 2 " of 6' " ———	760
1 " of 2 " of 5' " ———	575
1 " of 2 " of 4' " ———	530
1 " of 2 " of 4' " ———	520
1 " of 2 " of 4' " ———	460
1 " of 1 " of 8' " ———	600
1 " of 1 " of 8' " ———	560
1 " of 1 " of 6' " ———	485
2 " of 1 " of 6' " at 490 =	980
1 " of 1 " of 5' " ———	475
1 " of 1 " of 5' " ———	420
1 " of 1 Vault of 3' " for supply ^{sluice} }	700
2 " of 1 Arch of 3' " at 380 =	760
1 Road Dam of 300 feet long ———	1800
Centring for all culverts & bridges ———	1500
Charges for fixing mile & furlong stones	96
Petty Supervision &c ———	1844
Total Rupees ———	51900

3. The length of the road is to be 11 miles, 5 furlongs and 174 feet. The top surface of the road is to be 18 feet in width of which 15 feet are to be metalled, with the side slopes 2 to 1. The metal

is to consist of 10½ inches of gravel. On each side of the metalling there will be a band of earth 1½ feet wide and 4½" mean thick.

4. The waterway allowed for the minor cross drainages are sufficiently provided for. It is proposed to leave the Vaippar unbridged at present. 20

5. The above Estimate was approved by the District Board in its Resolution No. 1 dated 23^d April 1894.

6. The Estimate was returned for correction to the President of the District Board first on the 22^d November 1893 and, again on the 5th March 1894; it was received back on the 28th April 1894.

7. The rates are fair and the Estimate is recommended for sanction.

I have the honor to be
Sir,

Your Most Obedt. Servt.

D. S. M. Major R.

Superintending Engineer B. C. M.

CS

P. W. CURRENT No. 3344

From

The Supt^r Engineer
Madr.

To

The Chief Engineer
P. W. D.

No 957N

Dated 2nd May 1894
Dsd 2

See 12, 13 (Plans)

Road between Ettayapuram
& Vilatikulam:—

Recommends for
sanction the estimate
of Rs 51,900 for the construction
of a —

OFFICE OF THE SUPERINTENDING ENGINEER,

6TH CIRCLE,

No. 7967N.

Trichinopoly, 19th December 1894.

19/—

FROM

Major C. V. Boddy R.O.
SUPERINTENDING ENGINEER,

6th CIRCLE.

TO

THE CHIEF ENGINEER,

P. W. Department
Madr.

SIR,

ENCLOSURES.

- 1. Index map.
- 3. Sheet of Survey with 2^d section in tracing.
- 3. Plans of masonry works.
- 1. File of Calculation sheet of earth work.
- 1. 1/2 of detailed estimate for masonry works.
- 1. 1/2 of estimate for earth work.
- 1. File of report with specification, Road plan, hydraulic details, also data for gravel and masonry works.
- 1. Board Resolution No 2 25-11-94.

X per packet
note

With reference to your Memo.
= memorandum No 450. D. dated 29th June 1894, I
have the honor to submit herewith an
estimate amounting to Rs 53,200 together
with sketch map, survey, levels, Re-
port & Hydraulic details for construct-
ing a Road from Ettayapuram to
Vilatikulam via Pandanthapuli in the
Ettayapuram Taluk Tirunelveli District,
duly revised according to the instructions
conveyed therein.

2. With Reference to para 4 of your
Memorandum under Reference it will be
seen that the Velocity of the Stream is
only about 1 1/2' per " and therefore no
alteration has been made in the
design.

3. The amount has been raised

to \$53,200. This revised estimate
as approved by the District Board
amounted to \$53,400 Vide Copy of their
Resolution No. 2 dated 26th November, 1894
but this amount has been reduced by
\$200 in this office owing to the recti-
fication of some mistakes in the Calcula-
tions

4. The Rates are fair & the estimate
is recommended for early sanction.

I have the honor to be
Sir
Your Most Obedt Servt

Wm H. May Major P. C.

Superintendent Engineer
Fire W.

CH
1894

P. W. CURRENT No. 9790

P. W. D. 6th CIRCLE.

FROM

THE SUPERINTENDING ENGINEER,

6th CIRCLE.

TO

THE CHIEF ENGINEER,

P.W.D.

No. 7967N

Dated 19th December 1894.
Received 20th

Enclosures. 12 (8 Plans)

Road from Ettiapuram
to Vilatitaulam: —

Submits estimate
of Rs 53200 for constructing
a — duly revised accord-
ing to instructions —

Letter from A. W. B. Higgins Esq., President District
Board, Sincerely to the Supt^r Engineer
VI circle, Reference C on current No 450 of
1894, dated 12th March 1895.

In confirmation of my letter,
Reference B on current No 450 of 1894
dated 30th November 1894, I have the
honor to request that Government may
be addressed for the early sanction
of the estimate for the Ettiapuram —
Vilatitaulam Road.

No 10327N

Copy submitted to the Chief
Engineer P.W.D for orders.

2. The estimate referred to
+ C No 9790 of 94 was forwarded with this office No 7967N
with T. dated 19th December 1894.

Supt^r Engineer's office Sando,
Trichinopoly.
16th March 1895.

W. Hughes.
Supt^r Engineer VI circle

14/3

From

The Supt. Engineer
Viville.

Des: 10.3.95

To

The Chief Engineer
P. W. D.

No 1032 TN

Dated 16th 3 March 1895
Despd. 16 3Road from Ettiyapuram
to Velathikulam:—

Submits for orders
letter from the President
District Board, Tinnevely
requesting that Govt. may
be addressed for the early
sanction of the estimate
for the —

From the President, Dist. Board,
Tinnevely, to the Super Engineer, T. V. V.,
No. --- of 6 June 1895:—

In reminding you of
this office letter No. Reference B on
Current No. 450 of 1894 of 30 November/94
+ Reference C on the same letter dated
12 March 1895, I have the honor to request
that Govt. may be addressed for the
early sanction of the estimate for the
Ettiyapuram Velathikulam road.

2. As the best part of the working
season is passing by, it is solicited that
early attention may be paid to the subject.

No. 19/TN.

Copy submitted to the
Chief Engineer, P. W. D. for orders in con-
-tinuation of this office No. 796 TN +
1032 TN. of 19 Dec/94 & 16 March 1895,
respectively.

Supt. Engr. W. T. H.
Trichinopoly
12 June 1895

W. T. H. H. H.
Super Engineer, T. V. V.

x 641 9790, sent to T 21/12/94
then to S 16/2/95

2118 sent to T on 19/3/95

O.L.S. 152

R 2 6/6

O.L.S. 152

2 2/61

V.V.

From,
The Supt. Engineer
VI circle.

Rel 14-6-95.

To
The Chief Engr
P.W.D.

No 19/TN

Dated 12 June 1895.
Despd - 13/-

Road from Ettayapuram
to Vilatikulam:—

Submits for orders
copy of letter from the Presi-
dent District Board Trincom-
bely requesting early
sanction of the estimate
for —

No. 3943C. 47-12-94.
1156D - 5-10-94
480D. 29-6-94

O.L.S. 152 26/6

No. 1556W of 26 June 1895
Public Works Department.

Current No. 9790
Letter No. 796 TN.
Dated 20th December 1894
From the Super Engineer VI Circle.

NOTE BY TECHNICAL SECTION.

Name of work. Road from Ettayapuram to
Vilatikulam in the Trincombely Dist.
Amount of Estimate Rs 53200

With reference to this office memo
No. 450 D dated 29 June 1894, the
S. E VI Circle, submits the estimate
with plans for constructing a
road from Ettayapuram to Vilatikula-
lam in the Trincombely District, duly
revised as per instructions contain-
ed in the memo under reference.

The amount of the estimate
has been divided as follows:—

Earthwork	Rs 7826-1-6
Graveling	10956-7-2
Spreading & consolidating.	5380-5-8
Mile stones	66-...
Furlong stones	50-10-...
Compensation for land.	4903-14-4
17 masonry culverts	10310-...
2 masonry bridges	8340-...
1 Road dam	1950-...
Centring for culverts &c	1500-...
Carting 270 (with no masonry)	486-9-4
Petty supervision 370	1430-...

Total estimate Rs 53200-...

No 1556 W. dated 26th June 1895 *BR* *but not*

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

From the Suptg. Engineer, VI circle, No 95 T.N.d/2nd May 1894Memo to the Suptg. Engineer VI circle No 480 D d/29th June 1894From the Suptg. Engineer VI circle No 796 T.N.d/19th December 1894

Do 580

No 1032 T.N.d/16th March 1895

Do 580

No 191 T.N.d/12th June 1895

The estimate, amounting to Rs 53,200, for constructing a road from Ettiapuram to Vilattikulam in the Sinnerly District, is sanctioned.

1. This sanction has been registered as Local No 7 W of 1895-96.

W
23 June

The S.E. VI circle

" Exar. P.W. Acts

" L & M. Deptt. with 18 enclor.

(40-4,000-14-3-95.)

Currs
20/6/95 12/55 *S*
606

CS
19-11-

Cur
CH

The following rates are in excess of the Divisional schedule but data has been submitted in support of the high rates

off 152

Rough line in cut, 17.... against 14....
Brick in channel 19.... - do - 17....

The particulars of construction are the same as that already noted in T.S. note dated 20th June 1894.

Hydraulic details have now been furnished for all the cross drainages. These have been carefully examined except the last two columns which have not been checked, as the formulae used is not known.

The plans & estimate amounting to Rs 53,400 submitted by the Dist. Board Engineer & co. shown in the S.E.'s Office to Rs 53,200 have been countersigned by the President Dist. Board & approved in Dist. Board Proceedings dated 26th November 1894.

Ans.
Vo. 5-55

1556 W

AW

~~18~~
Wage

Estimate for a road
from Kettiapuram to
Vilattikulam, Saveri

St

T No
B

The Honorable Chief Secretary
for favor of counterinitals

~~18~~

3344

Govt. of Madras.

PUBLIC WORKS.

Dated

Re

Encl.

GO. 26 June 1895, No. 1556 W.

Road

≡

Sum of Rs. 53,200 for
constructing a — from
Ettiapuram to Vilattin-
kulam in the Tinnevely
District, sanctioned.

90
+ 6

26/6