M.R.O. 1—77,006—8-6-31.

(1) Number of pages 16

(2) Date of repair 2-1-83

(3) Initials of the Referencer

# MADRAS RECORD OFFICE.

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## Government of Madras.

Public works **DEPARTMENT.**

G.O. No. 39 — Press / Mis.

81-82

Dated 5 1 1886.

***Not to be folded or roughly handled***

*Proceedings of the Madras Government, Public Works Department, 5th January* 1866.

No. 81. Read the following letter from the Officiating Superintending Engineer, 1st Division, to the Secretary to Government, Department Public Works, dated Waltair, 23rd November 1865, No. 1,808:—

1 Sketch map.
1 Book of Survey,
2 Sheets of Plans,
1 Detailed estimate,
1 Abstract do.
1 Appendix.
1 Specification.
} Forwarded this day by Banghy.

1. I have the honor to submit, for the sanction of Government, the plans and estimate for the road to Parvatipur, referred to in Orders of Government Nos. 1,253 and 3,039 of 18th May 1863, and 22nd October 1864, respectively.

2. This estimate for forty miles of road, including all masonry works, with the exception of the four largest bridges, for which it is proposed to estimate separately, amounts to Rupees 1,23,550.

3. The first eleven miles of road, viz., from Vizianagaram to Gajapattinagarum, have already been constructed, and the sketch map shows the course that the road will take from the latter place to Rambuddrapuram with proposed branch to Salúr, and thence to Parvatipur, *viâ* Bobbily and Seetanagram. The line thus passes through, or would be in connection with, all the principal villages on the route.

4. The plans and estimate have been approved of by the Collector of Vizagapatam.

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No. 82. ORDER THEREON, 5th January 1866, No. 39.

CIVIL WORKS, No. 16.

The estimate submitted with the foregoing letter, for the completion of the road between Vizianagaram and Parvatipur, is approved. It will not, however, be possible to make any allotment for this work in the Budget of 1866-67; and unless the Zemindars through whose properties the line is carried are prepared to contribute funds towards the construction of the road, in fulfilment of the promise made by them to Mr. Fane, it must lie over for the present. The Governor's Agent will be requested to ascertain this, and to state whether any funds are available for immediate outlay upon the road in question.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
*Secretary to Government.*

To the Superintending Engineer of the 1st Division.
,, Accountant General.
,, Controller of Public Works Accounts.
,, Agent to the Governor of Fort Saint George, in Vizagapatam.
,, Revenue Department.

Exd. S. T. Augustin.

3. The first eleven miles of [illegible] Viz

Superintending Engineer's
Office, 1st Dn., Waltair.
23rd November 1865.

No. 1808

From

Captain J. Beatty R.E.
Offg. Supg. Engineer, 1st Dn.

To

Colonel C. A. Orr R.E.
Secretary to Govt., D.P.W.
Madras.

Sir,

I have the honor to submit for the sanction of Government the Plans and Estimate for the road to Parvatipur referred to in Orders of Government No. 1253 and 3039 of 18th May 1863, and 22nd October 1864 respectively.

Encls. 8.

1 Sketch Map
1 Book of Survey
2 Sheets of plans
1 Details Estimate
1 Abstract do
1 Appendix
1 Specification
8.

2. This estimate for forty miles of road, including all masonry works, with the exception of the four largest bridges for which it is proposed to estimate separately — amounts to Rs. 1,23,550-

3. The first eleven miles of road

viz.

viz, from Vizeanagrum to Gajapatti-
=nagrum, have already been construct-
=ed, and the Sketch map shows the
course that the road will take from
the latter place to Rambuddrapuram
with proposed branch to Salur, and
thence to Parvatipur via Bobbily
and Seetanagram. The line thus
passes through, or would be in con-
=nection with, all the principal Vil-
lages on the route.

4. The Plans and Estimate have
been approved of by the Collector of
Vizagapatam.

I have the honor to be
Sir,
Your Most Obedient Sv.

C. Beatty Captn. R.E.
Offg. Supg. Engineer, 1st Dv.

Encl.

Public Roads — New Works

Vizagapatam District

Abstract Estimate No 17 of 1865/66

Work. Constructing a Road from Gajapatinagaram to Parvatipooram in Continuation from Vizianagaram

Length in Miles 40

8

| Quantity | Description of Works | | Rate | Amount | Total |
|---|---|---|---|---|---|
| 287390 16/18 | Cyds of Earth Work per Cyd | | | 1 . 1796 14 | |
| 28129 5/6 | " of Metaling | | | " 8 . 14064 4 8 | |
| 85552 1/2 | " of Granelling | " | | " 5 4285 1 7 8 | |
| 113611 2/3 | Syds of Turfing per Syd | | | . 6 3550 5 10 | |
| | Contingencies including fractions & Rent | | 5 | 3375 5 6 | 67470 |
| 290 110/121 | Acres of Zemindary Land Compensation at about per acre | | 41 | 1193 0 | 11930 |
| | **Masonry** | | | | |
| | 1 Bridge of one Arch 30 ft Span | | | | |
| 512 53/54 | Cyds Rough stone work in Chunam at | | 1 7 | 737 6 7 | |
| 85 29/108 | " Brickwork in chunam at | | 2 | 171 7 4 | |
| 62 2/9 | " " " Arch at | | 3 | 186 10 8 | |
| 21 1/4 | " Concrete work at | | 1 4 | 26 9 | |
| 49 12/100 | Syds of Plastering at | | 2 | 98 3 10 | |
| 40 | Cyds rear apron of loose stone at | | " 8 | 20 | |
| 1170 | " Earth Work at | | 1 | 7 3 2 | |
| 8 | Guard Stones at | | 3 | 24 | |
| 1 | Centring | | | 270 | |
| | Bailing at | | 100 | 100 | |
| | | | Carried Over | 17077 5 | 79400 |

18 Dray 1865 No 12553
22 Recd/66 GA. 3039

To The Public Works Department
Sir I have the honor to forward herewith the under Estimate
For Sanction
I am Sir Your Most Obedient Servant
Executive Engineer
To The Secretary to Govt
P.W.D.
Madras

Dated 20th Dec 1865
Received 5th Jan 1866
Recd. 8.

No 1808

Submitting for Sanction
Estimate of Government Works
Plans and Estimate
Estimate for Rs. C.R. Lks
12553 of 18 6 Dray 1865.

1866.

Exd. 29-5 January 1866

Brought forward — 17077 5 79408

Contingencies — after per cent 5 ... 82 87

Total for one bridge — 1790

3 Bridges of one Arch of 20 ft span

| | | | | | |
|---|---|---|---|---|---|
| 349 17/54 | Cyds | Rough stone work in Chunam | at | 17 | 502 23 |
| 49 26/27 | " | Brick work in Chunam | at | 2 | 87 14 10 |
| 28 | " | — or — or (Arches) | at | 3 | 84 |
| 9 4/9 | " | Concrete work | at | 14 | 11 12 11 |
| 22 2/9 | " | Loose stone | at | 8 | 11 1 9 |
| 825 | " | Earth work | at | 1 | 51 9 |
| 23 32/100 | Squares of Plastering Chunam | | at | 2 | 46 10 3 |
| 8 | Guard Stones | | at | 3 | 24 |
| 1 | Centring | | | 50 | 50 |
| | Baling | | | 40 | 40 |
| | Contingencies | | | | 40 13 |
| | Total for 1 Bridge | | | | 950 |
| | or for 3 Bridges | | | | 2850 |

24 Twenty four Bridges of One Arch of 12 feet span

| | | | | | |
|---|---|---|---|---|---|
| 161 55/108 | Cyds | Rough stone work in Chunam | at | 17 | 232 9 1 |
| 24 17/54 | " | Brick work in Chunam | at | 2 | 48 10 1 |
| 17 1/2 | " | or or (Arches) | at | 3 | 52 8 |
| 4 43/54 | " | Concrete work | at | 14 | 51 5 4 |
| 13 1/3 | " | Loose stone work | at | 8 | 6 10 8 |
| 450 | " | Earth work | at | 1 | 28 2 |
| 20 54/100 | Squares of plastering Chunam | | at | 2 | 41 1 3 |
| 8 | Guard Stones | | at | 2 | 16 |
| 1 | Centring | | at | 15 | 15 |
| | Contingencies | | per cent | | 23 7 |
| | Total for one bridge | | | | 470 |
| | or for Twenty four | | | | 11280 |
| | Carried Over | | | | 95320 |

Brought forward — 95320

25 Twenty five Tunnels of one vent of 9 ft span

| | | | | | |
|---|---|---|---|---|---|
| 83 49/108 | Cyds | Rough stone work in Chunam | at | 17 | 119 15 5 |
| 17 25/54 | " | Brick work or — | at | 2 | 34 14 10 |
| 10 1/2 | " | or or (Arch) | at | 3 | 31 8 |
| 7 1/2 | " | or Concrete work | at | 14 | 9 6 |
| 400 | " | or Earth work | at | 1 | 25 |
| 11 22/100 | Squares of Plastering Chunam | | at | 2 | 22 7 |
| 4 | Guard stones | | at | 1 8 | 6 |
| 1 | Centring | | at | 12 | 12 |
| | Contingencies | | per cent | | 13 12 9 |
| | Total for one Tunnel | | | | 275 |
| | or for Twenty five | | | | 6875 |

37 Thirty seven Tunnels of one vent of 6 feet span

| | | | | | |
|---|---|---|---|---|---|
| 79 77/108 | Cyds | Rough stone work in Chunam | at | 17 | 114 9 5 |
| 8 13/27 | " | Brick work in Chunam | at | 2 | 16 15 5 |
| 7 | " | or or (Arch) | at | 2 8 | 17 8 |
| 5 1/2 | " | or Concrete work | at | 1 | 5 8 |
| 8 9/19 | Squares of Plastering Chunam | | at | 1 8 | 13 5 7 |
| 275 | Cyds | Earth work | at | 1 | 17 3 |
| 4 | Guard stones | | at | 1 | 4 |
| 1 | Centring | | at | 6 | 6 |
| | Contingencies | | per cent | | 9 14 7 |
| | Total for 1 Tunnel | | | | 205 |
| | Total for Thirty seven | | | | 7585 |

45 Forty five Tunnels of one vent of 3 feet span

| | | | | | |
|---|---|---|---|---|---|
| 61 13/27 | Cyds | Rough stone work in Chunam | at | 17 | 88 6 1 |
| 6 17/54 | " | Brick work or — | at | 2 | 12 10 1 |
| 4 10/27 | " | or or or Arch | at | 2 8 | 10 14 10 |
| 5 1/11 | " | or Concrete work | at | 1 | 5 4 |
| 160 | " | or Earth work | at | 1 | 10 |
| | Carried Over | | | | 127 3 · 109780 |

| | | | | | |
|---|---|---|---|---|---|
| | | Brought forward | 127 | 3 | 109780 |
| 5 $\frac{73\frac{1}{2}}{100}$ | Squares of Plastering Chunam | at | 18 | | 898 |
| 4 | Guard stones | at | 12 | | 3 |
| 1 | Centring | at | 5 | | 5 |
| | Contingencies | per cent | | | 634 |
| | Total for one Tunnel | | | | 150 |
| | Total for Forty five | do | | | 6750 |

108 One Hundred and Eight Irrigation Tunnels of one rent of 2 feet span

| | | | | | |
|---|---|---|---|---|---|
| 27 $\frac{43}{54}$ | Cyd. Rough stone work in Chunam | at | 17 | | 39154 |
| 21 | Covering stones | at | 8 | | 108 |
| 30 | Cyd. Earth work | at | 1 | | 114 |
| 2 $\frac{81}{100}$ | Squares of Plastering Chunam | at | 18 | | 435 |
| | Contingencies | | | | 373 |
| | Total for one Tunnel | | | | 60 |
| | Total for 108 | do | | | 6480 |

(9) Nine Road Drains of 36 feet long

| | | | | | |
|---|---|---|---|---|---|
| 23 $\frac{5}{9}$ | Cyd. Rough stone work in Chunam | at | 14 | | 2971 |
| 40 | do Loose stone work | at | 8 | | 20 |
| 12 | do Metal or Gravel | at | 6 | | 48 |
| | Excavating foundation | | 18 | | 18 |
| | Contingencies | | | | 4811 |
| | Total for one Road Drain | | | | 60 |
| | do for nine | do | | | 540 |

Grand Total Estimate Rs. 123550 "

Supt. Engineer's Office
7th Division
Nellore 16th November
1865

R. Beatty - Captain R.E.
Offg. Supt. Engineer 7th Div.

R. Beatty
all
17-11-65

Public Works Department

No 39

13

Proceedings of the Madras Government
Under date the 5th 9th December 1865
January 1866.
Read the following

From the Superintending Engineer
of the 1st Division

Submitting for sanction
of Government the plans and
Estimates called for in G.O. M.R. 23rd November 1865 No 1808
No 1253 of 18th May 1863.

The estimate
submitted with the
foregoing letter, for the
completion of the road
between Vejendragram
and Parvetipur, is
approved. ~~of~~ ... It
will not, however,
be

From
The Supdg Engineer
1st Division
To
The Secretary to Govt
Public Works Dept

Madras

dated 16th November
Sept 24th 65
Rec
Examined & Entered
Estimate No

Sanctioning a Road
from Parvatipuram
to Venkatapuram 41 Miles

Estimate Rs 1,25,550 —

6th Assistant 1865

No 39

be possible to make any allotment for this work in the Budget of 1866-67, and unless the Zemindar through whose properties the line is carried are prepared to contribute funds towards the construction of the Road, in fulfilment of the promise made by them to Mr Lane, it must be over for the present.

The Governor Agent will be requested to ascertain this, and to state whether any funds are available for immediate outlay.

upon the Road section.

W.B.

x 1 sketch Map
1-Book of Surveys
1 Detailed Estimate
1-Appendix
1 Specifications.

Encls: 1

To the Supg Engineer of the
" Secretary "
" Accountant Genl "
" Controller of P. W. & A. "
" Agent to the Governor in Council

Fort St George
Wuzeegapatam
2nd Sept. 6th January

Revenue Depty

be possible to make any allotment for this work in the Budget of 1866-67, and unless the Zemindars through whose properties the line is carried are prepared to contribute funds towards the construction of the Road, in fulfilment of the promise made by them to Mr Lane, it must be over for the present.

The Governor's Agent will be requested to ascertain this, and to state whether any funds are available for immediate outlay.

upon the Road section.

X 1 sketch Map
1-Book of Surveys
1 Detailed Estimate
1-Appendix
Enclos: 1 Superintendent.

The Supdg Engineer of the
for Dist
Accountant-Genl
Controller of P. W. & A. C.
Agent to the Governor
in

Fort St George
Vizagapatam
Dated Fort St George the 1st January
Revenue Depty

To V 1866 Depto
P.W.O: of Goo.t for Janv.

No 39
P.W.O: of the Mr Goo.t
D.P.W. 5th January 1866

C.A. 2103/66

Road between Vizia-
nagaram and Parvatipur, Viza-
gapatam District; The
estimate amounting to Rs. 1235:
for the completion of — appro-
ved with certain observations

No. 81. 82

C. 2nd Dec. 1865 R. 5th Jany 1866