

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	3146	Press
B.P. No.		Mis.
Dated	5-11	1874
		195

Not to be folded or roughly handled

1A

*Proceedings of the Madras Government, Public Works Department,
5th November 1874.*

No. 84. Read the following letter from Captain H. M. VIBART, R.E., District Engineer, Bangalore, to Colonel G. W. WALKER, R.E., Chief Engineer, Public Works Department, dated Bangalore, 15th October 1874, No. 146:—

I HAVE the honor to forward, for sanction, an estimate of Rupees 160, with plan, specification, and site sketch, for constructing a tunnel across compensation road to allow of the water which lodges on the other side finding its way into the Ulsoor tank.

2. The estimate has met with the approval of His Excellency the Commander-in-Chief.

3. I am unable to point out a source from which the cost of the work can be met, as the allotment under the head Minor New Works for the current official year has already been exhausted.

No. 85. ORDER THEREON, 5th November 1874, No. 3,146.

MILITARY WORKS, No. 3.

SANCTIONED for execution when the District Engineer is in a position to provide the funds, there being none at the disposal of Government.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, Bangalore.
.. Officiating Controller of Public Works Accounts.
.. Military Department.

Exd. S. T. Austin.
Spare Copies

39

Estimate of the probable
cost of constructing a Tunnel proposed to be built
across Compensation Road near its junction with
Saint John's road at Bangalore.

Particulars of work Measurements
No. 4180 Contents Total

Excavation

For Tunnels $\left\{ \begin{array}{l} 1 \ 22\frac{1}{4} \ 5\frac{1}{2} \ 3\frac{5}{8} \ 469\frac{5}{48} \\ 1 \ 17\frac{1}{4} \ 5 \ 3\frac{1}{3} \ 287\frac{1}{2} \end{array} \right.$

Parapets $\left\{ \begin{array}{l} 4 \ 2\frac{1}{2} \ 1\frac{1}{2} \ 1\frac{1}{4} \ 18\frac{1}{2} \end{array} \right.$

Total of Excavation $\rightarrow 775\frac{5}{48}$

Stone in Churnam

Foundation for side walls
of Tunnels $\left\{ \begin{array}{l} 2 \ 39\frac{1}{2} \ 2 \ 1\frac{1}{2} \ 237 \\ 2 \ 21 \ 1\frac{1}{2} \ 2 \ 126 \end{array} \right.$

Above $\left\{ \begin{array}{l} 2 \ 18 \ 1\frac{1}{2} \ 1\frac{1}{2} \ 81 \end{array} \right.$

Parapet walls $\left\{ \begin{array}{l} 1 \ 10 \ 1\frac{1}{2} \ 1\frac{3}{4} \ 26\frac{1}{4} \\ 1 \ 10\frac{1}{2} \ 1\frac{1}{2} \ 1\frac{3}{4} \ 27\frac{1}{16} \end{array} \right.$

Foundation for $\left\{ \begin{array}{l} 4 \ 2\frac{1}{2} \ 1\frac{1}{2} \ 1\frac{1}{4} \ 18\frac{1}{2} \end{array} \right.$

Total of Stone in Churnam $\rightarrow 516\frac{5}{16}$

Covering stone for Tunnel $17 \ (5 \ 1\frac{1}{4} \ \frac{1}{3}) \ 17$

$\left\{ \begin{array}{l} 14 \ (4\frac{1}{2} \ 1\frac{1}{4} \ \frac{1}{3}) \ 14 \end{array} \right.$

Total of covering stones for Tunnel 31

Stone over parapet wall $\left\{ \begin{array}{l} 1 \ 10\frac{3}{4} \ (1\frac{3}{4} \ \frac{1}{4}) \ 10\frac{3}{4} \\ 1 \ 11\frac{1}{4} \ (1\frac{3}{4} \ \frac{1}{4}) \ 11\frac{1}{4} \end{array} \right.$

Total of stone slabs over parapet
wall $\rightarrow 22$

Stone flooring $\left\{ \begin{array}{l} 1 \ 21\frac{1}{2} \ 2\frac{1}{2} \ " \ 53\frac{3}{4} \end{array} \right.$

Carried over $53\frac{3}{4}$

Specification to accompany
Plan and Estimate for constructing a
Tunnel proposed to be built across
Compensation Road near its junction
with Saint John's road at Bangalore

Amount of Estimate Rs 160--

At the junction of Saint John's
Road with Compensation Road - the
ground being very level and there
being no manner of escape for the ac-
commodation of water from these roads
at their point of junction, it is proposed
to construct a Tunnel across Compensa-
tion road so as to convey the water into
the Ulsoor Lake.

The Tunnel will be 39 ft long
and 36 ft between its parapet walls. The
side walls of Tunnel will be 18 thick -
having their foundations 3 ft broad and $1\frac{1}{2}$
deep built with stone in chunam. The floor
of the Tunnel will be of flat stones laid
on a course of concrete 6" thick and the
Tunnel will be covered with slab stones
($5 \times 1\frac{1}{4} \times \frac{1}{3}$) well dressed and fitted. Over
which

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The road over the Tunnel.
will be formed with gravel of bitches
thick well watered and rammed.
The spring will be

The joints of the masonry
of the Tunnel will be scraped out and
pointed with strong lime putty.
All masonry

All materials used and work done to be of the best description and subject to the approval of the District Engineer of Bangalore who shall have the entire power of ordering the removal of any work with which he is dissatisfied.

District Engineer
 Bangalore
 28 September 1948

District Engineer
 Bangalore
 Capt. B.C.

$\frac{1}{2} + \frac{1}{2} + \frac{1}{2}$

No. 146

DISTRICT ENGINEER'S OFFICE.

Bangalore 15 Oct 1874

From

The District Engineer,
Bangalore.

To.

The Chief Engineer
Public Works Department.

Madras

SIR

I have the honor to forward
for sanction an Estimate of Rs 160-
with Plan, Specification, and sketch,
for constructing a Tunnel across
Compensation road to allow of the
water which lodges on the other side
finding its way into the Ulsoor Lake.

The Estimate has ~~been~~ met
with the approval of His Excellency
the Commander-in-Chief.

I am unable to point
out a source from which the cost
of the work can be met, as the
allotment under the Head Minor
New Works, for the current Official
Year.

From

The District Engineer
Bangalore

S

The Chief Engineer

Public Works Department

Madras

15 Oct 1874

1000

Estimate for Rs 160-00

Constructing a Tunnel

across Compensation road

to allow of the water which

lodges on the other side

finding its way into

15 Oct 1874

year has already been exhausted.

6476

Gobt. of 1874 Madras.

PUBLIC WORKS.

To Mr. D. D. Ingr.

Dated Bangalore

Recd Encl. 3

G. O. 5200. 1874, No. 3121

Nos. 84-85.

Tunnel across com:

persation Road in

Bangalore. Estimate

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being none at the disposal of
Government.