

(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.	57	(W)	Press Mis.
Dated	14-5-	1877.	

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

14th May 1877, No. 57 W.

Buildings and Roads.

Military Works.

Read the following paper :—

- ✓ No. 111. Proceedings of the Madras Government in the Military Department, dated 16th April 1877, No. 2,268.

ABSTRACT.—Approving generally an estimate, amounting to Rupees 990, for excavating around suction pump of the engine at the Ulsoor Rock, Bangalore, and transferring the same to the Department Public Works for disposal.

- ✓ No. 111-A. From Major H. M. VIBART, R.E., District Engineer, Bangalore, to the Chief Engineer, Public Works Department, Buildings and Roads, dated Bangalore, 30th April 1877, No. 27.

WITH reference to your memorandum No. 1,073, dated 25th April 1877, I have the honor to inform you that the work excavating around suction pump of the engine at Ulsoor Rock, Bangalore, was executed and paid for in full last year, but there has been an expenditure of Rupees 3 in this month. This sum will be met from Minor New Works.

The accompanying statement shows the wells for which funds are required for the current official year.

- No. 112. ORDER THEREON, 14th May 1877, No. 57 W.

THE estimate of Rupees 990, for excavating around the suction pump of the engine at Ulsoor Rock for supply of water to troops at Bangalore, is sanctioned.

Heads of Service.—Imperial.

Fund.—Ordinary.

Class.—Original Works.

Main-head.—Military.

Sub-head.—Military Buildings.

Section.—Accommodation for general purposes.

Work.—Excavating around the suction pump of the engine at Ulsoor Rock for water-supply of troops, Bangalore.

Amount.—Rupees 990.

Carried out by the Public Works Department.

2. The work was executed last year on emergency.

3. The Governor in Council directs that, in future, estimates for works undertaken on emergency be submitted for formal sanction with the least practicable delay.

4. The estimates for the other works noted in the statement submitted by the District Engineer will be sanctioned as received in due course and funds appropriated.

PUBLIC WORKS DEPARTMENT, 14TH MAY 1877, No. 57 W.

5. This sanction is registered as Imperial No. 16 W of 1877-78.

(True Extract.)

Colonel, R.E.,
Secretary to Government, P.W.D.

Statement showing the wells for which
funds are required during 1877-78

Authority	Amount of Estimate	Expenses to be paid off last year	Allocation required for current year
Sinking a well near G. C. R. Headquarters. Hoises at Coramungalam Tank March 77	10887/31 = 400	"	400
Sinking a third well in Dumbloo Tank do	450	"	450
Sinking a well between Cavalry Stables & Choring shed Agrani Pk. do	670	"	670
Deepening the well in Gopaul Boodin Chuttrane near Dumbloo Tank do	160	"	160

Henry M. Vivian Major R.E.
District Engineer

Roads & Buildings

DISTRICT ENGINEER'S OFFICE

NO. 27

BANGALORE 30th April 1877

From

The District Engineer

Bangalore.

To

The

Chief Engineer
Roads & Buildings

Sir,

With reference to
your Memo No. 1073 dated 25th
April/77, I have the honor
to inform you that the work
Excavating around suction
pump of the Engine at Charo
Rock, Bangalore was exe-
cuted and paid for in full
last year but there has been
an expenditure of Rs. 3-0-0
in this month. This sum
will be met from Minor
new Works.

The accompanying
statement shows the Wells
for which funds are required
for

for the current Official
Year.

I have the honor to be
Sir

Your most Obedt Servt

Aliright Road Major P. E.
District Engineer

N^o 1073.

Memorandum.

itary Department, N^o 2268

1877.

ding Estimate of Rs: 990 for
round suction pump of the engine
Rock, Bangalore.

istrict Engineer, Bangalore, is
port if the work was executed
in full last year; as also the
es for which estimates have been

Major W. Farwell Colonel
Deputy Chief Engineer P. M. D.

t Engineer Bangalore.

for the current
Year.

Roads and Building

From P.W.D.
21 MAY 77

The District Engineer
Bangalore.

Your receipt of

Memorandum
District

The Chief Engineer
for Roads & Building
Branch.

No. 27.

Dated 30th April 1877.

No. of Encls. Over.

Well. Inform that
payment in full has
been made ^{last year} to the

Excavation around
the pump of the
Uloor Rock
Station.

No. 1073.

Memorandum.

Pro: Military Department, No. 2268

dated 16th April 1877.

Forwarding Estimate of Rs: 990 for
excavating a round suction pump of the engine
at the Uloor Rock, Bangalore.

The District Engineer, Bangalore, is
requested to report if the work was executed
and paid for in full last year; as also the
other well works for which estimates have been
received.

Signed M. Farwell Colonel
Deputy Chief Engineer P.W.D.

Fort St. George }
25th April 1877 }

To

The District Engineer Bangalore.

ad. of Service
nd.
Class
in Head.

Imperial
Ordinary
Original works
Military

Note by His Grace the Governor.

"I think that estimates, although work commenced in anti-
cipation of sanction, should be
submitted at earliest date. This
work was not matured in a day-
notice should be given - this
practice seems to prevail rather
extensively at Bangalore.
Signed, B. & C.
19-3-77.

Suction

Reck

Total

6250

2000

3709

100

2059 or

1483 $\frac{2}{3}$

2100

250

Clearing earth for V... 15 1 1/2 22 1/2
Clearing Silt North of Engine room 90 50 3 13500
Cutting Channel North of
Suction pipe } 1 60 10 6 3600
Well North of Engine room 1 50 50 6 15000
Total exp. of clearing silt 35472 1/2 or
By Rs. 1313 $\frac{43}{54}$

10 77
No 101

[Faint, mostly illegible handwritten notes in the left margin]

46 140 1/2 May 77 J.B. 111

Head of Service Imperial
Fund Ordinary
Class Original works
Main Head Military
Sub Head Miscellaneous
To be carried out by the P.W.D.

District Bangalore
Detail Estimate No. of 1876/77

Name of work Excavating around Suction
Pump of the Engine at Elbert Road
for supply of water to Sips.

Particulars of work ^{Measurements} L B D ^{Contents} Total

<u>Clearing Silt around Engine room</u>				
Clearing Silt	1	150	50 3 1/2	26250
do Hard Soil	1	150	20 3	9000
Removing top soil	1	84	43 3/4	2709
do South of above	1	50	21 2	2100
Total Cft. of clearing silt				40059 or
				Cy 23 1483 2/3
<u>Clearing Earth</u>				
Between and above pillars		84	10 2 1/2	2100
under suction pipes				
do do		100	10 1 1/4	1250
Clearing earth for V.C.		15	1 1 1/2	22 1/2
Clearing silt North of Engine room		90	50 3	13500
Cutting Channel North of		1	60 10 6	3600
suction pipes				
Well North of Engine room	1	50	50 6	15000
Total Cft. of clearing silt				55472 1/2 or
				Cy 23 1313 54

Head of Service Imperial
 Funds Ordinary
 Class Original works
 Main Head Military
 Sub Head Miscellaneous

— To be carried out by the P. W. D. —

— District Bangalore —

— District Estimate No. of 1876/77 —

Name of work — Excavating around Suction Pump
 of the Engine at Elsoor. Rock for supply
 of water to crops.

Quantity Description of work Rate per amount Total

1483³/₄ Cys. of clearing silt. — 1 . . . 6¹/₂ 247 45.

1313⁴/₃ — do. — do. — do. — 1 . . . 10¹/₂ 131 62.

960 — do. — do. — do. — 1 . . . 8¹/₂ 120 . . .

350 — do. Excavation inclusive

of removal of Big stones

for Pump well. — 1 . . . 8¹/₂ 87 8 . . .

80 — do. Paving stone pavement

to Pump well. — . 8 . . . 40 . . .

483 lbs of Iron pins. — . 14 lbs 40 4 . . .

208 L^{ts} of Slab stones. — 1 . . . 14 139 . . .

102 Boring holes 1 foot deep

for fixing Iron pins . 7 . . . 44 10 . . .

20 Maunds of Lead. — 2 12 . . . 55 . . .

Carried Over — 780 144

Quantity Description of work Rate Per Amount Total

Brought forward 780 14 1/4
 534 Cft of Sable moulded
 Bricks in sootchees
 Mortar. ————— 46 cts 1503.
 Bailing water. ————— 10.

941 14 1/4
 Sundries. ————— 48 14 8
Total Estimate Rupees 990

Distt Engr's Office
 Bangalore
 2nd March 1877
 Henry M. West
 Major P. E.
 District Engineer
 By order ———
 Lf

Central Office
 Secy
 20th/4/77
 A. R. Rish
 Secy
 A. G. Rish
md

Proceedings of the Madras Government, Military Department,
16th April 1877.

Cantonments—Water Supply.

Read the following letter :—

No. 269. From Brigadier-General H. O'CONNELL, Quartermaster-General, to Colonel J. MICHAEL, C.S.I., Secretary to Government, Military Department; dated Fort St. George, 14th March 1877, No. 2036.

Enclosure 1.

Amounting to Rupees 990, for excavating around suction pump of the engine at Ulsoor Rock at Bangalore.

The work has been commenced in anticipation of sanction, owing to the scarcity of water.

The Commander-in-Chief having approved the estimate marginally noted, I am directed by His Excellency to submit them for the consideration and orders of Government.

2. If approved by Government, it is requested that the papers may be forwarded to the Department Public Works for disposal.

No. 270.

ORDER THEREON, 16th April 1877, No. 2268.

Approved generally, and transferred to the Public Works Department for the consideration and orders of Government.

(True Extract.)

J. Michael

Colonel,

Secretary to Government.

To the Public Works Department, with two enclosures,
and Note by His Grace the Governor. and 10/11/77
Quartermaster-General.

Exd. A. Raitt.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 14th May 1877
Read the following:—

Head of Service. Imperial
Fund. Ordinary
Class. Original Works
Main-head. Military
Sub-Head. Military Buildings
Section. Accommodation for general purposes
Sub-head.

~~Project of which the works form part~~

Work. Excavating around the suction pump of the
engine at Ulsoor Reservoir for Water Supply of
Hoops, Bangalore.

Amount. Rs. 990

To be carried out by the P. W. Department.

Printed with G. O. No. 57 W of 14th May 1877—

3 This ~~grace~~ in Council
directs that, in future,
estimates for works under-
taken on emergency should
be submitted for formal

*Buildings & Roads
Public Works Department.*

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the *14th May 1877*
Read the following:—

Pro: in the Military Dept: (H.E. No 2268 of 16th April 1877)
Dist: Engr: Bangalore (— 27 — 30 — —)

B

The estimate of Rs 990
for excavating around the
suction pump of the Engine
at Ulsoor Rock for supply
of water to troops at Bangalore
is sanctioned.

2 The work was executed
last year on emergency.

3 ~~This year~~ *The Governor* in Council
directs that, in future,
estimates for works under-
taken on emergency should
be submitted for formal

Sanction with the least
practicable delay.

4 The estimates for the
other works noted in the
Statement submitted
by the District Engineer
will be sanctioned as
received in due course
and funds appropriated.

5 This sanction is
registered as Imperial
No 16 W. 477/77
of 1877-78 - 5.5.77

Dist: Engr: Bangalore
Examiner-P.W. accs
Military Department

Resp 25.5.77

Approved
Gobt. of 1877 Madras.

PUBLIC WORKS.

To *The N. C. Bangalore*

Dated.

Issued

Recd.

Encl.

G. O. 11th May 1877, No. 57W

Nos. 117-112

Beloor Rock, Bangalore

The estimate of Rs 990 for
excavating around the suc-
tion pump of the engine
at — for supply of water
to troops, sanctioned
with remarks

Conf. in Reg.

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