

(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. 2086	(W)	Press
		Mis.
Dated 3/5/37		1877.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
31st March 1877. No. 1,036.

No. 763. Read the following letter from Major H. M. VJBART, R.E., District Engineer, Bangalore, to the Chief Engineer, Public Works Department, Buildings and Roads Branch, dated Bangalore, 26th March 1877, No. 254 :—

I HAVE the honor to forward, for the sanction of Government, and for allotment of funds, the undermentioned estimates :—

- 1 Estimate, amounting to Rupees 400, for sinking a well near the Slaughter-house at Coramungalum tank at this station.
- 1 Estimate, amounting to Rupees 450, for sinking a third well in Dumloor tank at this station.
2. The works have been commenced in anticipation of sanction owing to the scarcity of water.
3. The estimates have been approved of both by the Major-General Commanding the Division and His Excellency the Commander-in-Chief.

No. 764. ORDER THEREON, 31st March 1877, No. 1,036.

MILITARY WORKS, No. 20.

THE estimates submitted with the above letter are sanctioned, and funds appropriated from the Reserve under Military.

This sanction has been registered as Imperial Nos. 159 and 160—W of 1876-77.

(a) Heads of Service.—Imperial.
Fund.—Ordinary.
Class.—Original Works.
Main-head.—Military.
Sub-head.—Military Buildings.
Section.—Accommodation for European Cavalry and Artillery.
Name of Work.—Sinking wells at Bangalore.
Amount.—Well in Dumloor tank, Rupees 450, No. 159—W of 1876-77.
Well near Coramungalum tank, Rupees 400, No. 160—W of 1876-77.
To be carried out by the Public Works Department.

(True Extract.)

Colonel,
Acting Joint Secy. to Govt., P.W.D.,
Buildings and Roads Branch.

To the District Engineer, Bangalore.
" Examiner of Public Works Accounts.
" Military Department.

Ed. S. T. Austin.
Spare Copies

(a) Heads of Service— *Imperial*
Fund. *Ordinary*
Class. *Original Works*
Main-head. *Military*
Sub-head. *Military Buildings*
Section. *Accommodation for European Cavalry & Artillery*
Name of Work. *Drinking well at Bangalore*

Well in Dandoor tank No. 450—No. 157
Amount. *Dr. near Coramungalam do n-400 No 160*

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

Print in the margin of p. v. No 1086 of 31-3-71

Head of Service. *Imperial* 3rd
Fund. *Ordinary*
Class. *Original Works*
Main Head. *Military*
Sub Head. *European Cavalry & Artillery*
To be carried out by the P. W. *Do*
Detail Estimate No. of 1876/77
District Bangalore
Name of Work *Drinking well near the Slaughter house at Coramungalam Tank Bangalore*

Particulars of Work *Measurement* *Contents* *Total*
No. L B C

Excavation

Well 12 ft inner dia 15 ft
outer dia 1 176.7 area 2544/7.75
Total Cft. of Excavation 4417.75

Stone Lining

Well 12 ft dia 1 42.41 1/2 25 1590.37
Total Cft. of Stone Lining 1590.37

Brick in Chumarr

Parapets 1 42.41 1/2 2 159.03
Total Cft. of Brick in Chumarr 159.03

Painting

Parapets both sides & top 1 42.41 6 275.66
Total Sq. of Painting with Chumarr 2.7566

Stone paving

Around well 1 7223 6 4.33 1/2
Total Sq. of Stone pavement 4.33 1/2
Sq. of Levelling Course of Concrete 4.33 1/2

7th March 1877. } Silva
 } L.L.

House, 11, Cotnamungalum Santr Bangalore.

To stone pavement 6 feet wide to be laid down all round the well, on a course of concrete 3" thick joints scraped out and pointed with strong lime.

Dist. Engrs office
Bangalore
15 March 1877 } L.L.B.

No. 2287
The District Engineer
Bangalore

L.
The Chief Engineer
Roads & Buildings
Madras

Feb 26th - March
1877.

Sinking a Well
near the Slaughter
House at Coramungallam
Sunk Bangalore

Amounting to Rs 400

4.031st March 1771

Head of Service
 Fund.
 Class.
 Grain Head.
 Sub Head.
 To be carried out by the P. H. D.
 Abstract of Estimate No. of 1876/77
 District Bangalore
 Name of work
 Digging a third well in
 Durbar Road Bangalore

Imperial
 Ordinary
 Original works
 Military
 European Camp and Detachment

60

Quantity	Description of work	Rate Per	Amount Total
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5301 Gr. of Excavation . . 3 Gr. 82133

2301 ~~Exp.~~
1908 ~~Exp.~~ Lining the well with stone
 & jelly. — 2. — 2388.

159 ¹/₂ Brick in Chumam for
Parafeto. — 3. . 29 13.

2.75 L^g of Pointing with chunam 1 b. L^g 3 126

4.34 do. Stone paving around the well - 128. . 544.

4.34 do Levelling Course of con-
crete under stone paving 5. . . 2112

crete under stone paving

Sundries — 1921

By *W. W. W.* ⁷¹ Total Estimate Profits 450

Distt. Engg. office
Bangalore
7 March 1877

Albert H. Hibert
 Major P. E.
 District Engineer

Head of Service Imperial
 Fund Ordinary
 Class Original votes
 Main Head Military
 Sub Head European Cavalry & Artillery
 To be carried out by the P. H. D.
 Detail Estimate No. of 1876/77
 District Bangalore
 Name of work Sinking a third well in Sumbar
 Tank at Bangalore.

Particulars of Work ^{Measurements} _{in feet} ^{Costs} _{in Rs.} Total

Excavation

Well 12 ft. inner diameter and

15 ft. outer do. — 1 176.7 panna 30 5301.30

Total Est. of Excavation — 5301.30

Stone Lining

Well 12 feet do. — 1 4241 1/2 30 1908.45

Total Est. of Stone Lining — 1908.45

Brick in Chunarri

Parapets — 1 4241 1/2 2 1/2 159.03

Total Est. of Brick in Chunarri — 159.03

Pointing

Parapets both sides & top — 1 4241 1/2 6 1/2 275.66

Total Est. of Pointing with Chunarri — 275.66

Stone paving

Around well — 1 72.25 6 433 1/2

Total Est. of stone paving — 433 1/2

Concrete

Around well — 1 72.25 6 433 1/2

Total Est. of leading course of concrete around stone floor — 433 1/2

Specifications to accompany

Estimate for sinking a third well
 in Sumbar Tank at Bangalore.

Amount of Estimate Rs. 4500

The well to be sunk to a depth
 of 30 feet having a clear inside diameter
 of 12 feet.

It is to be lined with loose
 stones 1 1/2 ft. in thickness, each
 course of stone setment to be
 raised in a uniform level and
 well fitted with good bond.

A parapet wall of brick in
 Chunarri 18" thick and 2 1/2 feet high
 and pointed with Chunarri to be
 built on the stone lining all
 round the well.

A stone pavement 6 feet wide
 to be laid down all round the well
 on a course of Concrete 3" thick.
 Joints scraped out and pointed
 with strong lime.

Approved by Sub Major P. C.
 District Engineer

District Engineer
 Bangalore
 7th March 1877

Sub

Roads and Buildings

P.W.D.

27 MAR 77

From No. 3251

The District Engineer

Bangalore

To The Chief Engineer

Roads & Buildings

Madras.

Dated 26th March 1877.

Sinking a 3rd Well

in Dumlur Tank

at Bangalore

Amounting to Rs 450

Roads and Buildings.

27 MAR 77

No. 3251

The District Engineer

Bangalore.

To The Chief Engineer

for Roads and Buildings

Madras.

No 254

Dated 26th March 1877.

No of Encls: 2 Estimates.

Wells near the Shantivan

lower at Coramangalam

tank and in Dumlur

tank - Forwards for

sanction of Govt and

allotment of funds for

estimates amounting to

Rs 450 & 400. for sinking

G.O. 31st March 77) S.B.D. 763

July 1877

No 1086 of 31 March

The Estimates submitted with

the above letter are sanctioned,

and funds appropriated from

Revenue under Military

This sanction has

been registered as

Imperial No 1594/160

of 1876-77 -

27.3.77

Sd/- Bangalore

for P.W.D.

for P.W.D.

No 3251

Govt. of 1877, Madras.

PUBLIC WORKS.

To

Eng. B. Bangalore

Dated

Issued

Recd.

Encl.

G. O. 31st March 1877, No. 1086

Nos. 763-764

Well at Bangalore

The estimates amounting
to Rs 850 for sinking
—, sanctioned and
funds provided.

For in Reg.