

(1) Number of pages 30(2) Date of repair (3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	498 (W)	Press ~~Mis~~
Dated	14 2	1877

Not to be folded or roughly handled

16. 16.

*Proceedings of the Madras Government, Public Works Department,
14th February 1877. No. 498.*

No. 351. Read the following papers :—

From Major ROSS THOMPSON, R.E., Officiating District Engineer, Bangalore, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer, Public Works Department, dated Bangalore, 6th February 1877, No. 217.

WITH reference to paragraph 2 of my letter No. 213, dated 31st January 1877, I have the honor to forward herewith, for the sanction of Government, the under-mentioned estimates :—

	Rs.
1. Sinking No. 1 well at east of Agram Barracks	316
2. Sinking No. 2 well do. do.	350
3. Sinking well for Royal Horse Artillery near Dumlur Tank ...	227
4. Sinking a well for Cavalry near Dumlur Tank	276
5. Sinking well near Dhobie's Village, behind the Cavalry Lines ...	290

2. These estimates have been approved of both by the Major-General Commanding the Division and His Excellency the Commander-in-Chief.

No. 351-A. From the Examiner of Public Works Accounts, dated Fort St. George, 10th February 1877.

No. 352. ORDER THEREON, 14th February 1877, No. 498.

MILITARY WORKS, No. 7.

* G.O., No. 486, of 13th February 1877.

(a) *Heads of Service.*—Imperial.

Fund.—Ordinary.

Class.—Original Works.

Main-head.—Military.

Sub-head.—Military Buildings.

Section.—Accommodation for European Artillery.

Name of Work.—Sinking wells for Royal Artillery at Bangalore.

	No. 1 Well near Agram Barracks	Rs. 316, No. 132.
	" 2 do. do.	Rs. 350, No. 133.
	" 3 do. Dumlur Tank	Rs. 227, No. 134.
	" 4 do. do.	Rs. 276, No. 135.
	" 5 do. near Dhobie's village	Rs. 290, No. 136.
Amount.	W.	

To be carried out by the Public Works Department.

THE five estimates submitted with the above letter are sanctioned. Funds to meet the outlay on the works in question, and on other works in the Bangalore District, have been in separate* Proceedings provided by transfer.

2. This sanction have been registered as Imperial Nos. 132, 133, 134, 135 and 136 W. of 1876-77.

(True Extract.)

Colonel,

Acting Joint Secretary to Government.

To the District Engineer, Bangalore.

" Examiner of Public Works Accounts.

" Military Department.

Exd. S. T. Austin.

Spare Copies.

Head of service Imperial
 Fund Ordinary
 Claim Original work
 Main Head Military
 Sub Head European Artillery

To be carried out by the R. F. & S.

Estimate No. 159 of 1876/77

District Bangalore

Name of work? Sinking well near Shobies village -
 Behind the Cavalry Lines near the Kelasundrum Tank
 at Bangalore Vide Asst. Quarter Master General M.
 Dn. No. 5718/5th December 1876.

Amount Rs. 290

Estimate of the probable cost for sinking
 village behind the Cavalry Lines near the Kelasundrum Tank
 well near Shobies at Bangalore vide Asst.
 Quarter Master General M. Dn. No. 5718/5th Dec. 1876
 56

Measurement				Contents	Particulars of work	Rate	Per amt	Total
No.	S	B	D					
1	14	14	78	27 1/2	42 7 1/2	Off of excavation	2 cft	44 7 11
2	12	50	3	12 1/2	162 1/2	Off of stone lining	2 cft	204 53
								248 13 2
								252 10
								274
1					Alab stone for Piest	2 12 1/2	2 12	
2					cross stones	1 1/2	2 1/2	
250					large stone	3 1/2	100 7 8	
2					large Bamboos	8 1/2	1 1/2	
1					long thin Bamboos	4 1/2	4 1/2	
1					low Bamboo	1 10 1/2	1 10	
								15 2 1/2
								14
								16
								290

Asst. Quarter Master
 Bangalore
 23rd January 1877

Major A. E.
 District Engineer
 26 JAN 77

P.W.D.

7 Feb 77

1274

5

From
The District Engineer
Bangalore
To
The Chief Engineer
Mysore
Dated 6th January 1877
Re
Linking well near
Sholier's village
behind the banyan
trees near the well.
Enclosed find a
plan of the same
Submitted by Mr 290

Head of Service. Imperial
Fund. Ordinary
Class. Original works
Main Head. Military
Sub. Head. European Cavalry
To be carried out by the P. W. D.
Estimate No. 161 of 1877-78
District Bangalore

Name of work. Linking a well for Cavalry near
Dumloos Tank at Bangalore vide Post Office Quarter
Master General Mysore Division No. 571 of 5th Decem
1876.

Amount Rs 76

12/18/1876
Estimate of the probable cost for
linking a well for Cavalry near Dumloos Tank at Bangalore
vide Assistant Quarter Master General Mysore Division
No 571 of 5th December 1876.

Measure	Particulars of work	Rate	Per amt	Total
14x14 78x4 20	Gravel excavation	2 00	32 11	
12.50 3.14x15 12x20	Gravel stone lining	2 00	147 42	
			179 53	
	Sundries & carting		17 109	
	Total Rupees			197
20	all angles flange	10 8	12 8	
25	Forb. Steels	10 100	2 8	
	Reveling & removing rubbish		50	
60	water pots	1 8	3 12	
2	Gross screws 1"	1 2	2	
1	Picota tree	2 8	2	
1	Bambos firing complete	2 12	12	
1	Iron Bucket	1 10	10	
	Carrying sea		8	
			95 10	
	Sundries		36	
	Total Rupees			79
	Grand Total Rupees			276

At Bangalore
23rd January 1877
26 JAN 77
Major R.E.
District Engineer

Head of service Imperial 11 L
 Fund Ordinary
 Class Original works
 Main Head Military
 Sub Head. Royal Horse Artillery
 To be carried out by the P. H. S.
 Estimate No. 160 of 1876/77
 District Bangalore

Name of work. Sinking well for P. H. S. near
 Dambur Tank at Bangalore vide Ass^{ts} Quarter
 Master General Mysore Division No. 571 of 5th
 December 1876.

Amount Rs. 227

The Dist. Engineer
 Bangalore
 To the Chief Engineer
 P. H. S.
 Mysore
 Date 26th Feb 1877
 Sinking a Well
 for Bangalore
 Dambur Tank at
 Bangalore
 Amounting to Rs. 227

19-1-77 Ld District Engineer

No 150915/1177 Estimate of the probable cost for sinking well for R.H. at Bomlay at Bangalore.
 vide Assistant Quarter Master General Mysore Division
 No 571 of 5th December 1876. 156

Measurement				Contents	Particulars	Rate	Per amt	Let
No	S	P	P					
14x16	7856	16	2462.88	Cft of excavation		2.91	25 10"	
12.50	3.46	14x16	942.48	Cft of stone lining		2.	117 12 11	
							143 6 11	
					hundred of boiling water		13 9 1	
					Total Rupees			157
10				Mangoe planks		10.8.	6 4.	
15				Fork Steels		10.100	1 8.	
				levelling & removing rubbish			50	
2				Grass screws 1 1/2"		1 4. 2m	2 8.	
1				Grass screw 1"		1.	1.	
50				Sized stones		3 12. 100	1 14.	
1				Pecota tree		2 0. 8.	2.	
2				Bamboo firing Crifeli		6. 8.	12.	
1				Iron Bucket		1 10. 2.	1 10.	
							67 8.	
					Grand Total Rupees			227

Plt Coy Officer
 Bangalore
 23rd January 1877
 19-1-77
 26 JAN 77
 Major R.B.
 District Engineer

From the estimate
 Bangalore
 Mr. Chief Engineer
 P. W. S.
 Messrs
 No. 2
 dated 6th February 1877
 for the sinking of
 a well at East of
 Bangalore
 No. 224

Head of service — Imperial
 Fund — Ordinary
 Class — Original work
 Main Head — Military
 Sub Head — European Artillery

To be carried out by the P. W. S.
 Estimate No. 16th of 1876/77
 District Bangalore

Name of work — Sinking No. 1 well at East of Bangalore
 Barracks vide Assistant Quarter Master General
 Mysore Division No. 571 dated 5th December 1876.

Amount — Rs 316 —

Estimate of the probable cost for sinking No. 1 well at East of Bangalore Barracks vide Assistant Quarter Master General Mysore Division No. 571 dated 5th December 1876.
 17th

Measure	Contract	Particulars of work	Rate per unit	Total
14x14 32 4925 76		Excavation		
Total	4925 76	Cft of excavation	20 50	51 50
12.50x3.46x1.22 1884 96		Stone lining		
Total	1884 96	Cft of stone lining	20 94	235 94
		Prestapen	20 00	20 00
		Bamboo	10 00	10 00
		Iron bucket	10 00	10 00
		Surfing & levelling	8 00	8 00
				291 50

Sundries & carting out 26 31
 Total estimate Rs 316

District Engineer's office
 Bangalore
 23rd January 1877

W. Thompson Major R.E.
 District Engineer
 By order

Per. L. E.
 Assistant Engineer

26 JAN 77
 Lt Col
 H. A. ...
 and

P.W.D.

72877

No. 1271

2

From the District Engineer
to the District Engineer
Bangalore
P.W.D.
Date 16th February 1877
Recd.
Sinking No. 1 Well
at Back of Agaram
Barracks Bangalore
Accounting No 316

Head of Service — Imperial
Fund — Ordinary 19th
Class. — Original Works
Main Head — Military
Sub. Head — European Artillery

To be carried out by the P. W. D.
Estimate No. 18 of 1876/77
District Bangalore

Name of work — Sinking No. 2 Well at East of
Agaram Barracks vide Assistant Quarter Master
General Mysore Division No. 5718 of 5th December
1876.

Amount — Rs. 350 —

Estimate of the probable cost for
 Sundry &c. 2 well at East of Barracks side
 Assistant Quarter Master General Division No. 591
 of 5th December 1876.

Measure	Contents	Particulars of work	Rate Per unit	Total
14 x 16 784 35	5387.55	Excavation		
Total	5387.55	Cost of Excavation	2 Cfl. 56 1 11	
1250 x 24 614 35	2061.47	Stone lining		
Total	2061.47	Cost of Stone lining	2 Cfl. 257 11 5	
1		Picota tree	20. 8. 2 ..	
1		Bamboo	12. 8. 12 ..	
1		Iron Bucket	1 10. 8. 1 10.	
		Surfing & leveling etc.	8.	
				318 11 4
		Less 1000 Baling water	31 4 8	
		Total Estimate Rupees		350

Paid for Rs 350
 deposited as per
 No 13571 of 1876-77
 Rs 4980 of 1876-77

Bangalore
 District Engineer's Office
 23rd January 1877

Per

W. Thompson Major R.E.
 District Engineer
 By order
Hubert
 26 JAN 77
 Lt Col
W. A. ...

P.W.D.

77617

1274

From

The District Engineer

Bangalore

To

The Chief Engineer

Public Works Dept.

Madras

Received

10th February 1877

Sinking No. 2

Well at East of

Agrah Barack

at Bangalore

DISTRICT ENGINEER'S OFFICE

BANGALORE

6th February 1877

NO. 217

From

The District Engineer

Bangalore

To

The

Chief Engineer

Public Works Dept.

Madras

Sir,

With reference to

para 2 of my letter No. 213 dated 31st January 1877, I have the honor to forward herewith for the sanction of Government, the undermentioned Estimates.

1. Sinking No. 1. Well at East of Agrah Barack. Rupees 316-00.
2. Sinking No. 2. Well at do do. Rupees 350-00.
3. Sinking Well for Royal Horse Artillery near Dunder Tank. Rupees 227-00.

351-52

4. Sinking a well for Cavalry
near Dauler Tank. Rs 276-00.

5. Sinking well near Okobes
Village behind the Cavalry
Lines. Rupees 290-00.

Three Estimates have been
approved of both by the Major
General Commanding the Divi-
sion and His Excellency the
Commander-in-Chief.

I have the honor to be
Dear Sir,
Yours most obedt Servt
M Thompson Major R.A.

To the District Engineer,
Bombay.
I am, Sir,
Very respectfully,
Yours obedient Servant,
M Thompson

147

256
FORT ST. GEORGE. 10TH. FEBY. 1877.

THE APPROPRIATIONS REQUIRED FOR THE WORKS REFERRED
TO WITHIN COMING UNDER 'ORIGINAL WORKS MILITARY' AMOUNTING
IN THE AGGREGATE TO RS. 1,459, CAN BE PROVIDED, SUBJECT TO
THE CONFIRMATION OF THE GOVERNMENT OF INDIA, FROM THE BAL-
ANCE OF APPROPRIATION OF RS. 40,000 GIVEN IN THE BUDGET FOR
ITEM NO. 2 AS THE OUTLAYS INCURRED ON IT TO THE END OF DE-
CEMBER 1876 IS ONLY RS. 10,960 AS REPORTED TO THIS OFFICE.

[Handwritten signatures and notes in the right margin, including 'D. J. Gordon' and 'P. W. ACCOUNTS']

[Handwritten notes at the bottom of the right page, including 'as shown in' and 'being additions']

No. 1274.

No 217
Encls: 5. Estimate
Sinking mtds
forwards for
Estimate for
refurnish to the
Office No 213
3/10/1879

*of new
The Dietrichson
Jungden.
the Kensington
P. S. Dietrich-
son.*

HC

For remarks as to
available funds.

W.H.
M.B. Jr.

8.2.77

(a) Heads of Service— *Imperial*

Fund. February

Class. *Original Works*

Main-head. *Military*

Sub-head. *Military Buildings*

Section. *Accommodation for European Artillery*

Name of Work. *Sinking wells for Royal Artillery
at Bangalore -*

	No 1 Well near Agnam Barnak	- No 816 N ^e . 132 }
Cummk { "	" 2 " "	" 350 - 133 }
"	" 3 " Dissimilar Fault _____	" 227 - 134 } W
"	" 4 " " Lo _____	" 276 - 135 }
Amount.	\$- S ^t near Tholies' village	290 - 136 }

To be carried out by the _____ Department.

Print in the margin of G. O. No. 498 of 14-2-77 -

10357-

No 498

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 14 Feb 77

Read the following:—

From

The Dist. Engr. Bangalore (H.E. No. 217 of 6th Feb 1877)

The five estimates submitted with the above letter are sanctioned. Funds to meet the outlay on the works in question, and on other works in the Bangalore District, have been in separate proceedings provided by transfer.

x G.O. No. 486 of 13-2-77-
C. 1029

13.2.77
This sanction has been registered as Imperial Nos 132, 133, 134, 135, & 136 W of 1876-77.

Dist. Engr. Bangalore ✓
Ex. P. W. Accts. ✓
Military Dept. ✓

Resp 26.2.77

Ex. Engr. S. T. T.

CN 1274

Gobt. of 1877 Madras.

PUBLIC WORKS.

To

to D. G. Bangalore

Dated

Issued

Recd.

Encl.

G. O. 14 Feb 1877, No. 498

Nos. 357-52

Artillery & Cavalry
Wells for Traps at Bangalore

The five estimates for sink-
ing —, sanctioned with
remark on the provision of
funds.

But in P.C.