

(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.	2238	Press
2071		Mis.
Dated	5-10-18	72

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
5th October 1872.*

No. 70. Read the following letter from the Superintending Engineer, 5th Division, to the Secretary to Government, Public Works Department, dated Camp at Salem, 21st September 1872, No. 125 —

I HAVE the honour to request the sanction of Government to an alteration in the laying of the pipes to the new cistern at the European Infantry Barracks at Bangalore, by which a considerable saving may be effected.

Two Plans
Two Estimates.

2 According to the arrangement in the sanctioned estimate, shown in the accompanying plan D., there is to be a line of pipes for filling the cistern, and a second line, with branches, for delivering the water at different parts of the barracks. According to the arrangement now suggested by Mr Smith, the Mechanical Engineer, and shown in plan A, there is to be only a single line of pipes, with a stop valve before it reaches the barracks, both for filling the cistern and distributing the water. The accompanying estimates marked A. and D. show the cost of the two methods. The revised estimate includes the cost of the cistern with the additional thickness of flooring already recommended by me. It will be seen that even with the increased cost of cistern there will be a saving of Rupees 5,300 by adopting Mr. Smith's suggestion.

No. 71. ORDER THEREON, 5th October 1872, No. 2,333.

MILITARY WORKS, No. 2

His Excellency the Governor in Council sanctions the alteration of arrangement of the water supply pipes of the European Infantry Barracks at Bangalore, suggested by Mr Smith, the Mechanical Engineer attached to the Ulsoor Water Works, to whom the credit will be due of effecting a probable saving of Rupees 5,300 ~~with~~ original sanction of Rupees 3,01,698 for the water supply projects
(True Extract.)

(Signed) G. W. WALKER, Colonel, R E.,
Secretary to Government.

To the Superintending Engineer, 5th Division.
,, Controller of Public Works Accounts.
,, Military Department.

Exd. S. T. Austin.

Show

N^o 125.

Supr. Engineer's Office, 5th Divⁿ
Camp Dalem 21st September 1872

From

The Superintending Engineer
5th Division.

To

The Secretary to Government
Public Works Department.

Sir,

Enclosures 4.

2 Plans

2 Estimates

I have the honor to request the sanction of Government to an alteration in the laying of the pipes to the new cistern at the European Infantry Barracks Ben-
galore, by which a considerable saving may be effected.

2. According to the arrangement in the sanctioned estimate, shown in the accompanying plan D, there is to be a line of pipes for filling the cistern, and a second line, with branches, for delivering the water at different parts of the barracks. According to the arrangement now suggested by Mr. Smith the Mechanical Engineer and shown in plan A there is to be only a single line of pipes with a stop valve before it reaches the barracks both for filling the cistern and distributing the water. The accompanying estimates marked A and D

Show

Show the cost of the two methods. The re-
vised estimate including the cost of the
cistern with the additional thickness of
flooring already recommended by me.
It will be seen that even with the increased
cost of cistern there will be a saving of
Rs. 5300 by adopting Mr. Smith's suggestion.

I have the honor to be,
Sir,

Yours most Obedt. Servant.

Edw. J. Coll. R. E.
Super. Engineer, 5th Division

laid from the stock ——— i b. n. 906
carried over ——— 23291

Quantity Description of work Rate Per unit Etc

Brought Over 23291

Masonry wells for valves

9 European Infantry Barracks

9 Masonry wells with timber frames doors hinges hooks and padlocks complete 25 u u 6 235

Stand cocks

16 Stand cocks for E. I. Barracks

1 do do do Hospital

17 Total stand cocks 15 u u 6 255

24 Masonry works around the pipes including plastering &c for wash houses & cook rooms &c

European Infantry Barracks 5 u u u 120

1 Constructing a cistern to be built in the Commisariat square 5820 u u 6 5820

29711

Surveys 1489

Total Estimated Papers 31201

Signed H. W. Wood Captain R.E.
Executive Engineer Bangalore

H. W. Wood Captain R.E.

E. A. Smith C.E.
Superintendent Engineer Bangalore

Comd. Engrs. Office
Bangalore
11th September 1872

from the stock u u u 821
Carried over 16785

Quantity Description of work Rate Per amt. Total

From The En Engineer
Bangalore
To The Supg Engr
5th Div
Dated 11th
P. W. } September 1872

D
Estimate for laying
pipes to European
Infantry Barracks
at Bangalore
Amounting to Rs. 31200
P. W. 4629/72

A Revised Estimate of the probable cost
for laying pipes to European Infantry Barracks at
Bangalore.

Quantity Description of work Rate Per amt. Total

Main Rking

2545 From the East Gate of European
Infantry Barracks to Cistern
at Comm. square 3 5 " Rft. 8430
2424 Rft of Excavating trenches
(3 $\frac{1}{2}$ + 2) for laying pipes and filling
in the same 4 " " 606

Distributing Pipes

147 Pipes 1 $\frac{1}{2}$ " 1 2 " " 165
5292 - do - 1" 1 2 " " 5954
5180 Rft of Excavating trenches (3 $\frac{1}{2}$ + 1 $\frac{1}{2}$)
for laying pipes and filling in the
same 2 6 Rft 809

Pipes to be laid from the stock

800 Pipes 2 $\frac{1}{2}$ "
530 - do - 2"
860 - do - 1 $\frac{1}{2}$ "

2190 do pipes to be cleared and laid
from the stock 6 " " 821
Carried over 16785

Quantity	Description of work	Rate	Per amount	Total
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Brought Over 16785

Stand cocks

16 European Infantry Barracks
1 do do Hospital

17 Nos of standcocks complete 15 " " " 255

17 Nos of masonry wells for valves
with timber frames, doors hinges
locks & padlocks &c complete 25 " " " 425

21 Masonry works around the pipes
including plastering &c for wash
houses and Cook rooms European
Infantry Barracks. 5 " " " 105

1 Constructing Cistern to be built
in the Commissariat square 6800 " " " 6800

24370

Sundries 1230

Total Estimated Paper 25600

Exec Eng'rs Office
Bangalore
11th September 1872

Wm Griffiths Captain R.E.
Executive Engineer Bangalore
E A Ford Col R.E.
Superintending Engineer

From The Comdant
Bangalore
To The Supy Engr.
5th Div.

Dated 11th
Read } September 1872.

A
Revised Estimate
for laying pipes to
European Infantry
Barracks at Bangalore

Amounting to Rs 25600
P.W. 4629/72.

No 2338 P.W.

No. of the Madras Govt.
Read the following:-

From the Supy Engr. } K.R. Periyar (11/9/72)
5th Div.

This Excellency the
Governor in Council
sanctions the alteration
of arrangement of the
water supply pipes of
the European Infantry
Barracks at Bangalore
suggested by Mr. Smith
the Mechanical Engineer
attached to the Ulloor
Water Works; to whom
the credit will be due
of effecting a probable
saving of Rs 5300
with

~~At~~
10/

Received
11/9/72
K.R. Periyar

with original sanction
of Rs. 3,01,698 for the
Water Supply project

Sept 29

Gobt. of (1872) Madras.
PUBLIC WORKS.

The Superintending Engineer
5th Division.

Dated

Recd.

Encl 4

G. O. Order 1872, No. 2338.

Nos. 7089/.

European Company Bar-
acks at Bangalore.

Alteration of arrange-
ment of the water supply
pipes of the E. I. Company
at Bangalore, sanc-
tioned with remarks.

Only 11/10/72