

- (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.	1909	Press
B.P. No.		Mis. —
Dated	6 - 7	6875 —195—

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
6th July 1875.*

No. 196. Read the following letter from Captain ROSS THOMPSON, R.E., District Engineer, Presidency, to Lieutenant-Colonel J. MULLINS, R.E., Officiating Chief Engineer, Public Works Department, dated Fort St. George, 14th June 1875, No. 1,224 :—

With reference to your memorandum No. 17, dated 22nd May 1875, I have the honor to submit a detailed estimate, amounting to Rupees 340, for supplying hose in convenient lengths so as to feed the fire-engine at any point of the yard enclosed by the Clothing Board buildings.

2. The cistern of the Clothing Board compound is supplied by a 3-inch iron pipe, leading from a cistern $8' \times 8' \times 5\frac{1}{2}'$ in the Seven Wells; this cistern is filled by means of two picottahs which are capable of lifting 15 cubic feet per minute, that is $7\frac{1}{2}$ cubic feet each, but the pipe that connects the two cisterns discharges only $3\frac{1}{2}$ cubic feet per minute under the most favorable circumstances. The length of pipe between these two cisterns is 500 feet, and the difference of level 6 feet, therefore it should discharge about 8 cubic feet per minute; this gives a difference of $4\frac{1}{2}$ cubic feet per minute between the actual and calculated discharge.

3. The quantity of water required to keep the engine going is about 5 cubic feet per minute.

4. The depth of water in the well of the Clothing Board compound is about $6\frac{1}{2}$ feet in dry weather, the surface of which is $11\frac{1}{2}$ feet below the ground level. The diameter of the well is $5\frac{1}{2}$ feet.

No. 92 of 1875-76.
Estimate for providing Hose for supplying the fire-engine of the Clothing Board, vide Officiating Chief Engineers memorandum, No. 17, dated 22nd May 1875.

MEASUREMENT IN FEET.					Description of Work.	Rate.			Amount.		
No.	L.	B.	D.	Area or Contents.		PER.	RS.	A. P.	RS.	A.	P.
5	40	...	...	...	Revetted hose in length of 40 feet each ...	Each	54	8 6	272	10	6
					A 4-inch brass cock to fix in the cistern so as the hose may be screwed on it ...	...	...	...	50	0	0
					Sundry charges, &c. ...	...	...	...	17	5	6
					Total ...	...	...	...	340	0	0

14th June 1875.

(Signed) ROSS THOMPSON, Captain, R.E.,
District Engineer, Presidency.

No. 197. ORDER THEREON, 6th July 1875, No. 1,909.

MILITARY WORKS, No. 5.

THE Inspector-General of Ordnance and Magazines suggested that a pipe should be laid down all round the godowns of the Clothing Establishments with hydrants at 40 feet intervals, so that in case of fire the fire-engine could be supplied with water at any part of the yard.

*Proceedings of the Madras Government, Public Works Department,
6th July 1875.*

2. It appears however that there is a cistern in the yard capable of holding 603 cubic feet of water, supplied direct from the Seven Wells by a 3-inch pipe, the bottom of the cistern being 9 inches above the ground level of the yard.

3. The fire-engine, it is stated, will deliver about 5 cubic feet of water per minute, the cistern therefore when full contains a full supply for the engine for two hours, and the pipe to the cistern would supply $3\frac{1}{2}$ cubic feet per minute. The supply of water therefore seems to be ample, and all that is wanted is a hose in convenient lengths so that the fire-engine can be supplied at any point of the yard.

4. The District Engineer, Presidency, now submits an estimate for providing hose in lengths of 40 feet, and means of attaching the hose to the cistern, amounting to Rupees 340.

5. The estimate will be sanctioned for immediate execution, and funds provided from the allotment of Rupees 3,400 under Minor New Works, Military, at the District Engineer's disposal.

6. It is advisable that the cistern should always be kept full of water.

(True Extract.)

Major, R. E.,

Offg. Joint Secretary to Government.

To the District Engineer, Presidency.

„ Controller of Public Works Accounts.

„ Military Department.

1.—ESTIMATE PARTICULARS.

Budget Head to which chargeable.

Imperial

Use of work as given by District Engi-

*Hose for fire engine
the Army Clothing
and Officer*

nal sanction for the preparation of the estimate. Date and number sanction-
Public Works Department.

*de Memoir No 17 dated
May 1875 at D. E. G.*

ant of present estimate and its district

Rs 340 No 92

et head to which chargeable if sanc-
(in detail.)

Military

sion has been made in the Budget of
in anticipation.

(Yes or no.)

No

can be made available during the
year.

as or no, and state how in former case.)

*46 372 available under
issue at this date 15/4/75
does not propose to
forward as urgent.*

(es or no, and if former state by who.)

*provide funds. The
allotment for 1875/76 under
Wells is Rs 3400-
on last revised list of works ap-
d brought forward in due order of*

Note entered-

yes

no.

DOCUMENTS IN FILE.

From District Engineer—

Presidency

1 Covering letter No. 1224 date 15/6/75

1 Letter from Range Officer, No. , date.

~~1 Detailed Estimate.~~

~~1 Abstract do.~~

~~1 Plan~~

~~1 Specification Report.~~

From Office—

*Vide Memo No 17 of 122
May 1875 (at. or ty)*

Original sanction, No. , date
for detailed estimate preparation.

Orders and Proceedings.	No.	Date.	Under P. W. D. G. O.	
			No.	Date.
P. W. Department ...				
Public do. ...				
Revenue do. ...				
Financial do. ...				
Military do. ...				

Public Works Dept.

Proceedings of the Madras Government

Under date the 1875.

Read the following

From

The Dist. Engineer

Presidency

Nb. No. 1224 of 15 June 1875.

G.O. No. 1909 of 14 July 75

The Inspector

General of Ordnance and

Magazines suggested,

that a pipe should be

laid down all round the

godowns of the clothing

establishments with hy-

drants at 40 feet intervals

so that in case of fire,

the fire engine could be

supplied with water at

any part of the yard.

It appears however

that

that there is a cistern in the yard capable of holding 808 cubic feet of water, supplied direct from the seven wells by a 3 inch pipe, the bottom of the cistern being 9 inches above the ground level of the yard.

The fire engine, it is stated, will deliver about 5 cubic feet of water per minute, the cistern therefore when full contains a full supply for the engine for 2 hours, and the pipe to the cistern would supply $3\frac{1}{2}$ feet per minute. The supply of water therefore seems to be ample, and all that is wanted

The present estimate will effect an improvement upon the present arrangements and 5 cubic feet of water per minute would suffice to put out a fire if discovered at once but it is a very small quantity for the complete protection of the buildings and there is no doubt that more efficient arrangements would in my opinion be necessary.

is a hose in convenient lengths so that the fire engine can be supplied at any point of the yard.

The Dist. Engineer Presidency now submits an estimate for providing hose in lengths of 40 feet, and means of attaching the hose to the cistern, amounting to Rs 340.

The estimate will be sanctioned for immediate execution and funds provided from the allotment of Rs 3400 under Minor New Works Military at the D. Engr's disposal.

It is advisable that the cistern should always be kept full of water.

50
6
5 J. D. C. Perry
5. Cont. P. W. Dept.
154 Mily Dept.
SC Insp.
75

He
by 24/6

3734
Oct. of 1875

PUBLIC WORKS.

To

Wm. D. Phelps.
Presidency

Dated

Issued

Recd.

Encl.

G. O. Phelps, No.

1909

Nov. 196-197

I am engaged at the Clothing
Board Buildings. Under
the estimate for providing
space for the same to be
immediate execution, I have
drawn from the allotment
of \$3,000 under minor
work, for the Clothing at the Bt.