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(3) Initials of the Referencer law

# TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. W. D.

DEPARTMENT

|          |             |       |
|----------|-------------|-------|
| G.O. No. | 2154 (W)    | Press |
| B.P. No. |             | Mis.  |
| Dated    | 13. 5. 1878 | 197.  |

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.  
PUBLIC WORKS DEPARTMENT.

13th May 1878, No. 2,154 W.

Buildings and Roads  
Civil Works

Read the following paper —

No 156 From Colonel P O'CONNELL, R E, Superintending Engineer, Chingleput, to the Chief Engineer, Public Works Department, dated St Thomas' Mount, 3rd May 1878, No 1,748

In reference to G O, No 567 W, dated 9th August 1877, I have the honor to forward the enclosed plan and estimate, amounting to Rupees 3,660, for constructing a retaining wall around the foundations of the Taluq Cutcherry at Trivellore, for repairing the cracks in the walls of the building, and for filling up the pond behind the cutcherry as suggested in your note printed with the above Government Order, provision is also made for constructing a sub-soil drain around the building just below the foot of a clay puddle wall which it is proposed to place next to the retaining wall, the object of the sub-soil drain being to catch the water percolating through the surrounding soil, and so allowing of the foundations of the building being kept as free from constant changes from moisture to drought as possible. It is also proposed to sink a well in the cutcherry compound for the use of the employes and others attending the cutcherry on business, as the pond which is to be filled up is said to have been hitherto used by them. The Collector proposed that another pond be excavated in lieu of the one to be filled up This, however, is objectionable, and hence a well has been provided for

2. I have the honor to request permission to proceed with the work at once in anticipation of the sanction of the estimate by Government, as it is desirable that the present dry season which is favorable for the execution of work of the kind in question should not be lost.

No 157. ORDER THEREON, 13th May 1878, No. 2,154 W

THE estimate, amounting to Rupees 3,660, for constructing a retaining wall around the foundations of the Taluq Cutcherry at Trivellore, repairing cracks in the walls of the building, for filling up the pond behind the cutcherry, and providing a well, is sanctioned

- 2 Funds are appropriated for the work from the Provincial Reserve.
- 3 This sanction has been registered as Provincial No 21 B of 1878-79.

(True Extract)

(Signed) E. A. FOORD, Colonel, R E,  
Secretary to Govt, P.W.D.

To the District Engineer, Chingleput, with plans  
" Examiner of Public Works Accounts  
" Judicial Department.

Ed T D Ryan.  
Spare Copies

*the trench, the concrete to be sprinkled*

BRIDGE AND ROAD  
CIVIL WORK

Oct. 11 (1878) E. 301

PUBLIC WORKS.

11. DISTRICT ENGINEER,  
CHENNAI.  
Oct. 3, 1878

Dear Sir,

G. O. 136 M, 1878, No. 2,151 W.

MAF.

No. 150-157

11. DISTRICT ENGINEER,  
CHENNAI.  
Oct. 3, 1878

2194 -  
Specification Report & accompanying the  
Estimate and Plan for putting a Curtain  
wall and Constructing Sub soil drain around  
the Timellor Talay Cutcherry, with sundry  
other works amounting to Rupees 3580-0-0

Excavation.

The Excavation for the Cur-  
tain wall & Sub soil drain to have a top  
breadth of 15' 6" with a bottom breadth  
4' 3" and the depth being 8' 3" ft as per  
accompanying Section plan. The earth to be  
thrown not less than 6 ft from edge of Exca-  
vation.

Masonry Concrete

A Course of Concrete 2' 6"  
in width by 1 ft in depth to be first  
laid in courses of 7 1/2 inches, and to be  
rammed down to 6 inches, the concrete to be  
composed of 1 lime 1. Soorker to 1 1/2 of sand  
to 5 of broken bricks, the lime to be brought  
to site of work unslaked, and when re-  
quired only sufficient lime to be slaked  
for the days work, on no account is slaked  
lime to be brought to the work for the  
Concrete work, the whole to be mixed  
with only sufficient water to keep the  
lime from blowing away, when put into  
the trench, the Concrete to be sprinkled.

with water until, when rammed, water appears on the surface, when no more water is to be used, but the whole, except the well tamped.

### Masonry

The masonry to be built of the best Country Bricks  $9" \times 4\frac{1}{2}" \times 2\frac{1}{2}"$ , the same to be first sorted, and only those well burnt to be taken, only 10% cant of bats to be taken, the mortar to be composed of 1 lime to  $3\frac{1}{4}$  of clean river sand, the whole to be well mixed and beaten with sticks. Bond to be Flemish that is Header and Stretches alternately, joints not to be more than  $\frac{1}{4}$  inch in any case, to be built as per Plan.

### Puddling

The whole wall to be puddled 16 in and th, the Puddle to be composed of the best clay obtainable, to be mixed the same as would be done for making bricks away from the foundations in the first instance, and then brought into the trench, well rammed and finished off as per Plan.

Filling in.

After Com.

and drain of each tank say of 10 ft. the excavation to be carefully filled in, in layers of not more than 1 foot, to be watered and well rammed, the whole to be completed off in a workman like manner. As regards the drain however, before filling excavation turf to be placed over the top cover of latrine.

### Flooring

The present flooring to be taken up, and a course of Concrete (to be mixed and used as per foundations) 3 inches in depth to be laid on the flooring, well rammed and brought to an even surface, then the Square bricks to be laid in mortar, after the whole has been laid for one room, the joints to be packed out to a depth of  $1\frac{1}{2}$  inch, & mortar partly composed of 1 lime to 2 sand (to be ground on a stone with a roller) to be carefully put in, and the whole flush pointed.

### Closing cracks

Wall to be opened out 3 inches in width, and 4.5 in length, the Plank to be then put in and well rammed. the cracks to be first cleared out and then filled in with a Concrete made of 1 lime to 2 sand and  $\frac{1}{4}$  of

small broken brick, the whole to be well rammed in with a small crowbar.

### Plastering

When fresh plastering is required, the whole to have one Coat prepared and set, the mortar to be composed of 1 lime to 2 of clean river sand, the whole to be brought to a level surface with a float, and then the pure lime to be laid on and polished with an agate.

### Asphalting

The asphalting to those places required to be laid on 1" thick on a flooring of Concrete Care to be used that the Concrete is properly dry before the Asphalt is put down, one inch thick of Asphalt will require  $12\frac{1}{2}$  lbs per sq ft <sup>strips</sup> when laying down it should be laid in <sup>strips</sup> of not more than 3 ft in width, Care to be taken to keep the joints clean & free from dirt and they should be headed before the next width is laid down - small asphalt only to be used.

### Filling in the Tank

Earth to be brought from the bed of the Kankaria tank by Carts, each Cart to carry not less than  $\frac{3}{4}$  of a load.

after the earth has been tipped into the Tank, the same to be well rammed in layer of not more than 1.6" the distance of earth to be carted is about  $\frac{1}{2}$  mile. 215

### Drain

The Drain to be made of well burnt bricks the lower & upper layers to be placed flat, the side brick on edge dimension of drain to be as per plan. When a length of say 6 ft is completed latente in small broken pieces of say 2 inch Cub. to be placed on each side and on top; in the first instance a layer of latente 9" thick to be placed at the bottom of the drain and the bricks to be laid on this loose foundation, the latente to be one foot on each side, and 1 ft above the brick drain. The sub soil drain is to be led off to the low ground on the east side of the Catchery and beyond the high road through a culvert existing in the Road.

The whole surface of the ground to be cleared to an uniform level after Completion of Work.

Camp Pulicat }  
Seroolan Dr. Office }  
13 Dec 1877 }

Signed J. B. Wiffen  
Lieut. Col.  
Asst. Engr.  
Seroolan Dr.

No 1748

Chingleput Superintending Engineers Office,  
Saint Thomas Mount, 3<sup>rd</sup> May 1878.

2154

(5)

From

THE SUPERINTENDING ENGINEER,  
Chingleput

To

The Chief Engineer  
Public Works Department

Sir,

Enc.  
3 Plans  
1 Estimate

In reference to G.O. No. 587/12. dated  
9<sup>th</sup> August 1877 I have the honor to for-  
ward the enclosed Plan and Esti-  
-mate amounting to Rupees 3668. for con-  
-structing a retaining wall around  
the foundations of the Taluk Catehery  
at Trimellone, for repairing the cracks  
in the walls of the building and for  
filling up the pond behind the Cat-  
-chery as suggested in your note printed  
with the above G.O. Provision is also made  
for constructing a sub soil drain around  
the building just below the foot of a clay  
puddle wall which it is proposed to  
place next to the retaining wall. The  
object of the subsoil drain being to catch  
the water percolating through the sur-  
-rounding soil and so allowing of the founda-  
-tions of the Building being kept as free

from constant changes from moisture to drought as possible. It is also proposed to sink a well in the Cutcherry compound for the use of the employes and others attending the Cutcherry on business. as the pond which is to be filled up is said to have been hitherto used by them. The Collector proposed that another pond be excavated in lieu of the one to be filled up. This however is objectionable and hence a well has been provided for.

2 I have the honor to request permission to proceed with the work at once in anticipation of the sanction of the estimate by Government. as it is desirable that the present dry season which is favourable for the execution of work of the kind in question should not be lost.

I have the honor to be  
Sir

Your most obedient servant

P. H. Connell Colonel M.E.  
Superintendent, Chingleput.

Q. 2801-18. 10. 76.  
C.E. 1804-30. 11. 76.  
No 567 w-9-8-77 arigh

From the Sup<sup>r</sup> of Engineers  
Chingleput Dt.

2154  
(8)

No-1748

Dated 3<sup>rd</sup> } May 1878  
Recd 1<sup>st</sup> }

No. of Enc: 4

+ 3 Plans ret<sup>d</sup> vide  
GO No 2154 Wd/13-5-78

Constructing a retaining  
wall around the foundation  
of the Talag Cutcherry  
at Trivellore &c<sup>a</sup> —  
Forwards for sanction  
Plans and estimate for.

Cur 11.5.78. P.L.T 13-5-78  
To C.E. 7.5.78

1878  
eluate  
No 2154 W. Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT

UNDER date the 13<sup>th</sup> May 1878.  
Read the following. — 2154

From the Sup<sup>r</sup> of Engineers Chingleput (H.E No 1748 of 13 May/78)

The estimate amount-  
ing to Rs 3660 for construct-  
ing a retaining wall around  
the foundations of the  
Talag Cutcherry at  
Trivellore, repairing  
cracks in the walls of  
the building and for  
filling up the pond  
behind the Cutcherry  
and providing a well  
is sanctioned.

LB

Funds are appro-  
priated for the work  
from the Provincial  
Reserve

CAF 164  
10.5.78

Lt. Chingleput - m  
Ex P. to do  
R. J. de - de  
21-5-78

This sanction has been  
registered as Provincial No. 21 B  
13-5-78 of 1878-79.

Cir 11.5.78 Plot 13-15.78  
7.6.78

5134

Govt. of (1878) Madras.

PUBLIC WORKS

To the D E Chingleput

Date

Place

By

For

G. O. 13-11-1878, No 2157/h

Fig.

Taluk, Putecher at Trivellore  
Chingleput D. Estimate  
of Rs 10 for certain works  
connected with the —  
Sanctioned.

Ento in Regt.