

(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.	766.	Press
B.P. No.		Mis. —
Dated	18-3-	195

Not to be folded or roughly handled

Specification to accompany an
Estimate for constructing a subsidiary jail
without houses at Manargudi in the
Chellambaram Taluk of the South Arcot
District

1. Amount of estimate Rs 4450

Description

2. The Estimate provides for construct-
ing a subsidiary jail consisting of 4 wards
two of 16x15 ft. for men and 2 of 18x15 ft. for
women with a covered way of 25 ft. long and
7 1/2 ft. broad also provides for constructing a
jail Latrine of 6 seats, 4 for Males and 2
for females and a cook room of 16x12 ft.

Main Building

Foundation

3. Foundations for the walls will be
3 ft. deep of which 1' 6" will be built in foot-
ings those for the rear and end walls with a
breadth of 3' 4" at bottom and 2' 4" at top on
a layer of concrete of 1 ft. deep and 5 ft. broad
and that for the front wall with a breadth
of 3 ft. at bottom and 2 ft. at top on a layer
of concrete of 1 ft. deep 4' 4" broad. The Re-
taining walls for the verandah will also be 3 ft.
deep below the surface of ground of which 1' 6"
will be built in footings with a breadth of
2' 8" at bottom and 1' 8" at top on a layer of
concrete of 1' deep and 4' 2" broad. The Re-
taining walls for the covered way will be 2' deep
below the surface of the ground of which 1'
will be built in footings with a breadth of
2' 2" at bottom and 1' 8" top on a layer of
concrete

Concrete of 1' deep and 3' 8" broad

4 ——— Basement for the walls will be the same breadth as the thickness of the walls above and will be built 2' deep and the outer walls from the footings of the foundation to the basement level as well as the retaining walls of the verandah and covered way will have a plinth or extra thickness outside of 4 inches

5 ——— The outer walls of the Building will be 1' 6" thick and 13 ft high and the partition walls 1' 3" thick with Gables ends.

6 ——— To be composed of 1 lime $\frac{3}{4}$ sand $\frac{3}{4}$ sorted, and 5 of broken brick or screened gravel, the whole will be mixed dry that is with only sufficient water to prevent lime being blown away and put down in courses of 7 $\frac{1}{2}$ " and will be beaten down to 6" or a small quantity of water to be put whilst beating, but directly water begins to stand on surface no more to be put or lime will all be washed out.

7 ——— The doors and ventilators will have flat arch work over them, the arches are to be neatly turned and only selected hard bricks used. joints to radiate correctly from the centre, the bricks are to be ground down to the required shape and key bricks to be well driven home, joints are not to exceed $\frac{1}{4}$ of an inch in thickness. No special allowance is made in the estimate for this work but to cover the cost of this work only half the quantity of

Basement

Superstructure

Concrete

Flat arch work

Pointing

Plastering

Flooring

void is deducted.

8 ——— The exterior of the walls to be flush pointed and neatly ruled. All joints are to be raked out to a depth of $\frac{1}{2}$ " and the surface to be well dressed before pointing.

9 ——— The exterior of the building to be plastered with 2 coats of chunam and the surface thoroughly polished with an agate.

10 ——— Flooring of the verandah and covered way. The basement to be filled in with earth well watered and rammed till thoroughly consolidated, over this a course of concrete of 6" thick to be laid and perfectly levelled and then 9" square tiles to be laid in chunam in diagonal courses and jammed in position the joints afterwards to be scraped out and pointed with strong lime putty, joints not to exceed $\frac{1}{4}$ of an inch in width. The square tiles before being laid should be rubbed down to a smooth surface and gauged to fit each other closely and neatly. The cells are to be floored with a plank of $\frac{3}{4}$ " thick laid over a bed of 6" concrete and well levelled and smoothed.

Roofing

11 ——— To be of flat and pantiles and chunam borders and ridges carried on teak trusses, purlins, rafters, rippers, well nailed down. Rafters are to be set 1 $\frac{1}{2}$ ft. from centre to centre and rippers of 2" broad and $\frac{1}{2}$ " thick and set 5" from centre to centre. Borders to be 3' a part and 6" broad.

12_____ The edges of the Verandah and stone work
curved way and steps will be covered with
granite slabs

13_____ Throughout to be of brick in Masonry
churnam, the bricks English size are to be
steeped in water before being used and English
bond to be observed throughout

14_____ The mortar is to be prepared Mortar
with 1 of lime to 1½ of sand to be carefully mixed
and either ground in a mill or pounded with
sticks as may be most convenient.

15_____ All lime to be stacked out the Lime
work in the presence of the Overseer.

16_____ All wood work to be of well Timber
seasoned and sound teak free from all shakes
and knots and neatly finished off

17_____ The building will be provided Dom ventilators
with 6 iron grated doors inside and strong
battered doors outside and 6 iron grated
ventilators. The doors will be made of well
seasoned teak wood as per standard plan.

18_____ The doors will be painted with Painting
2 coats of wood oil and the iron doors and
ventilators with japann varnish.

19_____ The whole of the Building will Open tile drains
be surrounded with an open tile drain carried
on concrete as shown in the plan. The tiles to
be set in hydraulic mortar and the joints
carefully rubbed so as to be perfectly true
and not more than ¼" thick.

Excavation 20_____ The excavation of foundation is to
be taken to a depth of 4' at highest point
of site, the bottom is to be taken out perfectly
level any superfluous excavation is to be filled
in again and well rammed.

Out houses 21_____ The remarks for main building
apply to out houses

Cleaning up 22_____ When work is finished the
whole compound to be properly cleared up
and all debris removed and ground proper
by levelled.

23_____ This specification does not do
away with the standard specification received
with G.O. No. 2906, 120A, 1014 and 1366 dated
16th Nov 171, 14th May 172, 28th April 174 and
22nd May 1874 respectively except where a
different material has been used. All
items of work shown in standard spec-
ifications although not separately pro-
vided for in estimate will be carried out
and charged to them sundries.

Distt Engrs office s and
Cuddalore 24th Feb/75 }

G. L. L. L.
Distt Engineer

D P W
SOUTH ARCOT

No 249

DISTRICT ENGINEER'S OFFICE
Camp *Leudalare*
Dated *24th February 1875*

From

The District Engineer,
South Arcot

To

The *Secretary to Government*
G. O. H.

Enclosures 4

Su.

- 1 Plan
 - 1 Site Plan
 - 1 Abstract Estimate
 - 1 Specification
- 4

As directed in C. O. No. 2 of 1st December last I have the honor to forward papers as per margin connected with the
Subsidiary Jail at Munnargudy
2 The Plan and Estimate have been prepared with reference to the Standard Design. A new Cook Room and Latrine are allowed for as existing ones are in wretched condition

I have the honor to be
Sir
Yours Most Obedt Servt
G. H. H. H.
District Engineer

South Arcot Distt

Undackellam Range

Specification for contract

for a Subsidiary Jail

with 12 houses attached

ready in 10 to 12 weeks

at a cost of Rs. 10,000

11/12/88/25

Amount of Estimate Rs. 4450

1288
 Govt. of 1875
 PUBLIC WORKS.

To
 Capt. C. J. C. C. C.
 South Arcot.

Dated
 Recd
 10.11.1875, No 7/11

No. 472.473.

Subsiding Soil at
 the Surveyor's Office
 ditto. The estimate
 for a —, and
 with remarks regarding
 the provision of funds.

one many great
 To H. B. C. C. C.
 10.11.1875, No 7/11

20.11.1875, No 2

Ans

The estimate is returned. But it is not
 probable that funds will be available during the

766

P. W. 1875
 SOUTH ARCO
 From
 The District Engineer

To
 The Secy. to Govt.
 South Arcot.

Dated 24.11.1875
 Despatched 24.11.1875
 Received 26.11.1875

No. 219. +

Enclosure
 2. Please refer to the 2d
 towards the 11th, 1875

Estimate for a
 Subsiding Soil at
 Managoody.

S.O. No. 766.18.3.75.

With Order