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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. _____	Press _____ M.S. _____
Dated _____ / _____ / 18____	

Not to be folded or roughly handled

Provincial
Original WORK.
Civil buildings
Prisons Department
te No. 211 Miscellaneous


 VIZAGAPATAM
 DISTRICT VIZAGAPATAM.

WORK. *Constructing Quarters for the Hospital Assistant attached to the British Jail at Vizagapatam.*

Quantity or Number.	Description of Work.	Rate.	Per Item.	Amount.	Total.
98	Cyds of Excavating founda- tion filling in basement	1	Cyds	6 2	✓
148 $\frac{5}{8}$	12c of Rubble masonry	1	12c	100	259 52 ✓
$\frac{5}{8}$	12c of Brick work in Churnam	2	12c	100	2 48 ✓
2 $\frac{7}{8}$	12c of Flat arch work brick in Churnam	4	12c	100	10 2 10 ✓
27.28	Sq of Plastering with 2 Coats of Churnam and white washing	2	6c	Sq	69 87 ✓
5.38 $\frac{1}{2}$	12c of Flooring with Cut Stone in Churnam laid over 3 inches Concrete	11	12c	100	59 39 ✓
0.43 $\frac{3}{4}$	12c of Asphalting the floor of privy with a thick- ness of $\frac{1}{2}$ an inch above 3 broken brick and 3 inches concrete	18	12c	100	7 14 0 ✓

14.10/27 Cys of Graveling the
Compound and flooring 8. Cys 2 211
the open shed

16.19 1/2 Cys of Roofing with Gault
wood rafters, reapers,
nails, flat and pantiles 23 ... 372 79
Chunam borders 3/2
Complete including
ridge ventilators

44.26 Cys of Saulwood wrought
and put up 2 8. Cys 110 104

4 Pairs of teak wood batten
doors (8x6) outside dimen
sions including hinges 16 ... 64
(11x1 1/4 x 1/2) bolts (7x1 1/4 x 1/2) hooks
(6x 1/2 x 1/2) Completes

2 Locks with iron box
despatched with keys to
above doors 3 ... 6

2 Country wood batten doors
with single shutters (8x6)
Outside dimensions 10 ... 20

2 Pairs of Teak wood windows
(5x4) outside dimensions 10 ... each 20
Painting with wood oil
to doors and windows ... 5
Petty Supervision 6 ... 64 14 6
Sundries 1 ... 10 12
Contingencies 8 ... 4 6 6
Total Rupees 1095 ... 1095

Add Compensation to be paid for site
7 Shuts 10 ... each 70
1 7/10 Acres of land 188 ... 230
Total Compensation 300 ... 300
Grand Total Rupees 1395

District Engineer's Office
Waltair
25 October 1876

Major R. E.
District Engineer
Vingapatam.

7
Specification to accompany Plan and
Estimate for Constructing Quarters for the
Hospital Assistant attached to the Lillak Sail
at Vizagapatam.

Amount of Estimate Rupees 1395-.-

Excavation The trenches of foundations to be dug to the
dimensions shown in the Plan or Estimate
unless it is found that the special circumstances
require these dimensions to be deviated from.

Rubble masonry The foundations, basement and super-
structure of the building are to be built with
rough stone in Chunam. Chunam to consist
of 2 clean sharp sand 1 part of well slaked
lime, through bond stones to be inserted at
distances of three feet.

Brick work } Square brick pillars are to be built of
in Chunam } well burnt bricks 9" long $4\frac{1}{2}$ " inches broad and
 $2\frac{1}{2}$ " inches thick in English bond with mortar
composed of 1 part of well slaked lime and 2
parts of clean sharp sand well beaten or
pounded by hand.

Flat Arches Flat arch work over doors and windows
are to be built of well burnt bricks in fine

1882
Revised
Abstract Estimate
for Constructing an
Hospital Assistant's
Quarters at the Lillak
Sail Vizagapatam
Estimate Rupees 1395

S. R. Raju
Commissioner
Vizagapatam

Chunam composed of 2 parts of lime and 2 parts of brick dusts.

1 Cut stones - To be of 3 inches thick laid in floor perfectly horizontal dressed with square joints and resting upon a prepared floor of 3 inches concrete composed of 1 part of lime 2 parts of sand and 5 of broken bricks laid upon rammed earth & to be pointed with fine Chunam composed of 2 parts of lime and 2 brick dusts; joints which should not be more than one quarter inch broad.

2 Asphalting to Piny

The ground for receiving the Asphalte is to be levelled well watered, and rammed, a levelling course of broken bricks 3 inches thick is then to be laid down and on this 3 inches of brick or stone concrete, composed of 1 part of lime 2 parts of sand and 1/2 of small broken stones which is then to be well beaten down with wooden beaters and allowed to get perfectly dry before any attempt is made to lay the Asphalte. The Asphalte is then laid on the surface 1/2 inch thick; the surface to be covered with some very fine dry sand and rubbed well with the wooden rubbers until it becomes perfectly

even.

3 Gravel floor

The open shed and the yard to be filled with earth well rammed and overlaid with 4 inches fine gravel and to be well beaten down with wooden beaters. The surface to drain off through holes left in the enclosure wall.

Plastering - All the exposed surfaces of the building are to be plastered with 2 coats of Chunam. The plaster to consist of 1 1/2 Clean sharp sand and one of well slaked stone lime. Before laying the first coat the wall to be trimmed with trowels and well saturated with water after the first coat has dried, the second coat can be laid on and well rubbed until cracks or other inequalities disappear from the surface.

Whitewashing - The walls to be whitewashed with wash composed of 1 1/2 parabs of white washing Chunam and one seer of raw rice which should be boiled and the rice water to be used. The whole to be used for 10 squares by two coats.

Wood work - All the wood made use of shall be sound well seasoned saulwood and free from all cracks and flaws or any other defect; and

of scantling such as is laid down in the
Estimate and shown upon the Plan.

The roofs with ridge ventilator to be
Composed of Sautwood rafters, resting on
joist purlins, keepers, nails, flat and pantiles
(Of the dimensions shown in the Plan or
Estimate) Chunam borders &c. Complete.
The rafters should be placed 18 inches apart
from Centre to Centre, and the keepers to be
of 6 inches apart from Centre to Centre.

There will be 4 pairs of teakwood Doors and
batten doors to the main rooms and 2 teak Windows.
wood batten windows one for each room.
2 Country wood batten doors one for King
a other for the Compound wall the above
i doors and windows are to be made to the
h dimensions shown in the Plan or Estimate.
h Locks with iron box despatch with keys
s to be provided only to the doors in the main
u building.

All the iron works such as hinges Iron work
& bolts, hooks &c is to be plunged while red
hot into tar before fixing. Hinges and
bolts are to be made to the dimensions
given in details.

Painting

All the doors and windows and
breasumers &c are to be covered with
three coats of wood oil. During the
process of the work a day or two must
be allowed for the first two coats to
dry and before the third or finishing
coat is laid on. No hair marks from
the brush should be left on the work
or puddles in the corners of panels
angles of mouldings &c.

On Completion of the work all
rubbish to be cleared away and the
premises to be left in a Clean Condition.

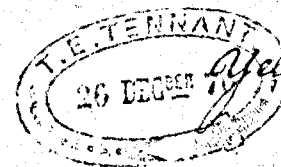
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(October 1876)

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Major R. E.
District Engineer
Dingagapatam.
The
Supply of
materials 29

NO. 1904



Vizagapatam District Engineer's Office
16 December 1876
Sept. 18

From

The DISTRICT ENGINEER
VIZAGAPATAM

To

*The Inspector General
of Rails
Madras*

SIR,

With reference to your letter No. 5593 dated 2nd instant, I have the honor to observe that the Plan and Specification for the construction of Quarters for the Hospital Assistant have not been countersigned by you. I re-
transmit them herewith, and request you will be good enough to submit them to Government for sanction with your countersignature.

I have the honor to be
Your most obedt. Servt.
Major R. E.
District Engineer, Vizagapatam

7882

Estimate Budget 1895.

Specification to accompany
Plan's Estimate
for Constructing an
Hospital Assistant's
Quarters at the 2nd Madras
Rail Vizagapatam.