

(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. <i>1022</i>	Press <i>Mis.</i>
Dated <i>15. 10.</i>	<i>1877.</i>

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

15th October 1877, No. 1,022 W.

Buildings and Roads.
Civil Works.

Read the following paper:—

No. 144. From Major H. W. WOOD, R.E., District Engineer, Vizagapatam, to the Chief Engineer, Public Works Department, Buildings and Roads, dated Camp at Vizianagram, 5th September 1877, No. 1,305.

I HAVE the honor to forward herewith for sanction a plan, estimate, and specification for providing an additional lock-up to the Police Station-house at Neeliah Chuttrum.

- 1 Plan.
- 1 Estimate.
- 1 Specification.

2. The plan and estimate have been prepared at the request of the Superintendent of Police, Vizagapatam, and countersigned by the Inspector-General of Police.

3. The Assistant Inspector-General of Police states that the work in question was included in the scheme prepared by the Inspector-General for the ensuing official year.

No. 145. ORDER THEREON, 15th October 1877, No. 1,022 W.

HIS GRACE the Governor in Council sanctions the plan and estimate of Rupees 385 for providing an additional lock-up to the Police Station-house at Neeliah Chuttrum in the Vizagapatam District.

- 2. The Inspector-General of Police will suggest means for providing funds.
- 3. This sanction has been registered as Provincial No. 183 B of 1877-78.

(True Extract.)

Colonel, R.E.,
Secretary to Government, P.W.D.

To the District Engineer, Vizagapatam.
" Examiner of Public Works Accounts.
" Inspector-General of Police.
" Judicial Department.

Exd. E. C. Shunker,
Spare Copies

DEPARTMENT

NEW WORK.

Estimate No. 47 of 1877-78

TALUK. *Vijayanagaram* *Vijayanagaram Taluk*DISTRICT. *Vijayanagaram*

Detailed Estimate of the probable Expense for *Providing an additional Lock up to the Police Station House at Sridasathuram.*
 Framed at the request of Superintendent of Police (vide his letter No 81 of 25th May 1877)

Number.	Measurements			SUPPL. CONTENTS		Cubical contents.	Particulars of work.	Rate.	Per Item.	Amount.	Total.
	Length.	Breadth.	Depth or Height.	Squares.	Feet.						
2	15 1/2	4	1			108	Concrete work				
1	9 1/2	4	1			38	Front & rear walls				
1	4	4	1			16	End wall				
						162	Pillar				
							of 6 cys. of concrete work	1	30 cys.	9 00	
							Foundation				
2	15 1/2	2 3/4	3			222 3/4	Front & rear walls				
1	10 3/4	2 3/4	3			88 1/4	End wall				
1	2 3/4	2 3/4	2 1/2			18 7/8	Pillar				
							Basement				
2	13 1/2	2	2			108	Front & rear walls				
1	11 1/2	2	2			46	End wall				
1	2	2	2			8	Pillar				
1	11 1/2	1 1/2	3			51 3/4	Retaining wall between Pillars				
1	5 3/4	1 1/2	3			16 1/8	do do				
							Superstructure.				
2	13 1/2	1 1/2	11 1/2			465 3/4	Front & rear walls				
1	12	1 1/2	12			216	End wall				
1	12	1 1/2	2			36	Gables do				
						1278 1/4	Total.				
							Deductions.				
3	1 1/2	1 3/4				15 3/4	Ventilations				
3	1 1/2	1 1/2				6 3/4	do				
						22 1/2					

3 1/4	1 1/2	1 1/2			
8 1/16				Flat arch work over do	
30 1/16				Total deductions	
124 7/8				or 46 2/3 cyp. of Rough Stone	
				in chimneys.	1 12 0 cyp. 80 13 11
8 1/16				or 5/16 cyp. of arch work brick	
				in chimneys.	4 12 0 do 1 7 9
				Plastering.	
2 13 1/2		11	2 77	Front & rear wall out side	
1 15		11	1 65	End wall out side	
1 15		2 1/2	3 7 1/2	do gable do	
1 36		12	4 32	Inside of rooms	
1 12		2	2 4	do Gables	
2 15 1/2		2	54	Basement front & rear	
1 21 1/4		2	42 1/2	do do	
2 6 1/2	1 1/2		17 1/2	Sides & Sills of	
1 9	1 1/2		13 1/2	Ventilations	
			10 85	Total	
				Deductions	
2 3		2	12	Ventilations in side	
1 3		1 1/2	24 1/2	do do	
3 3		1 1/2	13 1/2	do ant side	
			110	Total deductions	
			10 45	Left of Plastering with 2	
				courses of chunam & white	
				washed	2 60 Lys 24 13 1
1 12 12			1 44	Flooring to rooms	
1 5 1/2	1 1/2		5 1/2	do to door	
1 13 1/2	6		81	do to the andah	
			2 30 1/4	Total	
1 2 2			04	Deduct for Pillars	
			2 26 1/4	Left of Flooring with rect	
				angular cut stone slabs	
				in parallel courses and	
				pointed with chunam.	11 00 Lys 24 14 2

13 1/2	23 1/2		3 20 1/4	Roofing.	
			3 84 1/4	Left of Roofing with country	
				wood rafters, rammers, nails	
				flat & panneling, chunam & down	16 00 Lys 61 8 1/2
				doors & complete.	
				Wood work.	
1 16	5 1/4	7 1/4	4 95	Bressummers	
2 16	3 1/4	14	2 66	Wall plates	
1 16	3 1/4	7	3 88	Ridge beams	
2 16	3 1/4	7	7 77	Purlins	
2 16	3 1/4	6	5 66	Case boards	
			19 72	Cft. of sand wood wrought	
				& put up.	2 80 cyp. 49 12 9
1 5 1/2			1	Weather board to window	
				at rear of the Guard room.	10 00 each 10 00
			1	Iron barred doors with teak	
				wood frames and iron	30 00 each 30 00
				fixtures & complete.	
2 2 1/2		1	2	Iron barred Ventilators with	
				teak wood frames & complete	10 00 do 20 00
1 2 1/2		1	1	do with weather boards &	
				complete.	18 00 do 18 00
			1	Cut stone pillars including	
				Capitals	9 00 do 9 00
				Excavating foundation	
				& filling in basement.	2 00
				Removing a small	
				portion of the roof	2 00
				Removing the present	
				window marked C on	
				plan and fixing a new	4 00
				iron barred door in	
				cluding arch work.	
					347 6 7

	B. O.	347 17
Petty Supervision	6 00	ent 20 34
Supplies	1 00	do 3 55
Contingencies	0 80	do 1 98

Total Rupees 373

Vijayanagram Range
 office Camp Wallair
 to June 1877

M. de Morgan
 Range officer
 Vijayanagram

M.
 1877

Major R.E.
 District Engineer
 Vizagapatam.

Commissioned in the S. B. Corps
 21st August 1877

C. S. Ram

Inspector General of Police

Estimate of the probable
Expense for providing an addi-
tional Lock up to the Police
Station House at Neeliah
Chuttram

Estimate Rupees. 385-4-4

G.O. 15th Oct. 1900. 1444

Excavation

Specification to accompany Plan and
Estimate of the Probable cost of Providing an
Additional Lock up to the Police Station
House at Neeliasattram.

Estimate Rs 273-0-0.

Trenches to be excavated to the depth shown
in the Plan and Estimate. The bottom of
Trenches to be well rammed till they are
equally hard throughout and perfectly level.
Great care should be taken that the position
of the Trenches is not undermined by white
ants, this is often the case and would cause
immediate sinkage.

Concrete work. To be one foot thick below the foundations
of the walls and to project 6 inches on either
side of the foundations. The concrete to be
composed of one part of lime, 2 parts of clean
sharp sand, and 4 parts of broken brick or
stone. The whole to be well mixed with water
and beaten, and laid in trenches to the full
width spread and levelled with heavy
rammers.

Rough Stone in
Chuttram.

The stones used to be good size not less than
one foot cube large stones to be roughly
hammer dressed to allow of their resting
evenly on the bed without leaning hollows
interstices to be filled in with stone chips or
broken bricks. The stones to be carefully set and
bonded together care to be taken that bond
stones the full width are placed at frequent

intervals each course to be well grouted.
The proportions for lime and sand to be
2 parts of lime and 3 parts of sand.

The archwork over the Ventilator to be built Archwork
of well burnt bricks ($9 \times 4\frac{1}{2} \times 2\frac{3}{4}$) in chunam
The proportions for lime and sand to be of
equal parts.

The Plastering to consist of two coats rendering Plastering with
ing and floating coat, for a rendering 2 coats of chunam
Coat, the work is to be prepared by racking 3 white washed
out the joints as for pointing and the sur-
face of the work and inside of the joints
must be well wet when they are swept
clean. The rendering coat to consist of two
parts of lime and three parts of sand. The
floating coat to consist of three parts of
lime to one of fine white sand, and to
be ground fine and polished in the
usual way. White washing to consist of
two coats of shell chunam mixed with
Caujee water and gum. The following are
the proportions to be used for 10 Squares (1 Parak
of shell chunam $\frac{3}{4}$ measure of raw rice and
 $1\frac{1}{2}$ pollans of gum)

The portion on which the flooring is to be laid, the earth is to be well watered, ram-
med and levelled in 3" layers to the required
depth, after which 2 inches of river sand
will be laid and rammed in the same
manner as that described before on which
a layer of 1 or $1\frac{1}{2}$ plaster consisting of one

Flooring with
rectangular cut
stone slabs laid
in parallel courses
& pointed with
chunam.

part of lime to $1\frac{1}{2}$ of river sand well
mixed and beaten in a clean trough will
be laid on the well rammed sand, the
slabs not less than 3" thick being then laid down
in parallel courses the sides also of these stones
being plastered very thinly and showed
to each other as close as possible. The
interstices of the slabs on top will be well
racked to a depth of $\frac{1}{2}$ an inch and pointed
with a mixture of equal parts of lime, sand,
and charcoal. These ingredients being well
ground together till a fine paste be produced
the joints will then be very neatly pointed to
in the usual way.

Roofing

The roofing to consist of country wood
rafters, reapers, nails, flat and pantiles
and chunam borders. The flat tiles to be
placed on the reapers with mortar between
the joints. The pantiles are then laid over
them in rows touching each other from top
to bottom. The pantiles to overlap not less
than $\frac{3}{4}$ of their length and the overlap
to be uniform throughout. A second course
of pantiles to be laid on them with their con-
verse sides upwards and overlapping each
other. These tiles to be laid so as to cover the
intervals between the rows in the first course.

Bed work.

The wood used for brunnies, Purlius
ridge beam, to be of the best seasoned
Saul wood free from all flaws and cracks
or other defects.

Doors and Ventilator frames, weather bands, Doors, Ventilators
 of the building to be of the best seasoned teak
 wood free from all flaws and cracks or
 other defects, the present window marked
 A on Plan to be removed and a new door
 fixed in lieu of it. the window will be
 used up as much as possible for Ventilator
 frames, weather boards. The above to be
 made according to the dimensions given
 in the Plan & Estimate.

The Cutstone Pillars to be built in the Pillars.
 same manner as the present four pillars
 of the Building

on completion of the work all rubbish
 to be cleared away and the premises
 left in a clean condition.

Vijayagram Range
 Office Camp Wallah
 20 June 1877 }
 M. dehorjan.
 Range officer
 Vijayagram.

[Faint handwritten notes in the left margin, partially illegible]

[Signature]
 Major R.B.
 District Engineer
 Vijayapatnam

[Faint handwritten notes in the right margin, partially illegible]

Specification to accompany
Plan and Estimate of the
probable cost of Providing
an additional Lock up
to the Police Station House
at Neeliah chuttram.

Estimate Rupees 385-0-0

4015. Oct. 17/1877

N^o 1305

District Engineer's Office
Camp Virajapattam
5 September 1877

From The District Engineer
Virajapattam

To
The Chief Engineer P.W.D.
Buildings & Roads Branch
Madras.

I have the honor to forward
herewith for sanction a Plan Estimate
and Specification for providing an
additional Lock up to the Police Station
House at Neeliah Chuttram.

2. The Plan & Estimate have been
prepared at the request of the Superintendent
of Police Virajapattam and countersigned
by the Inspector General of Police.

3. The Assistant Inspector General
of Police states that the work in question
was included in the scheme prepared
by the Inspector General for the ensuing
official year.

I have the honor to be
Sir

Your most Obedt. Servt.

19/9/77 Major R.C.

District Engineer, Virajapattam

R.C.

Roads & Buildings.

From

The District Engineer
Vizagapatam

To

The Chief Engineer R.D.
Buildings & Roads Branch
Madras

N^o 1305

Dated 5th }
Despatched 7th } September 1877

N^o of Enclosures. 32nd

Manilla the Librarian
Police Station at
Verliak Chuttrun.

Submitting for sanction a
Plan and Estimate for
providing an additional
Lock-up to the —

15th Oct. 1877

Ar 12-10.

N^o 1022 W Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 15th Oct. 1877

Read the following:—

Letter from the District Engineer }
Vizagapatam } H.E. No. 1305 of 5 September 1877

His Grace the Governor
in Council sanctions
the plan and Estimate
of Rs. 385 for providing
an additional lock-up
to the Police Station House
at Verliak Chuttrun
in the Vizagapatam Dis-
trict.

AS

2. The Inspector-General
of Police will suggest
means for providing
funds.

W
1877

To the R.D. Vizagapatam
Ex^{pt} P.W. Account
Sup^r Genl of Police
Judicial Department
This sanction has been
registered as Revl. No
183 B of 1877/78.

Dec 18-10-77

Revised

GOVT. OF INDIA
PUBLIC WORKS.

M. Vijay.

Drawn

Issued

Recd.

Recd.

G. O. 15 Dec 1902 No. 1022W

No. 144-145

Police Station House at
Keeleah Chuttrani, Vijayapeta.
Dr. Sanctions the plan and
estimate of Rs. 385 for providing
an additional lock up to
the —

*Intd. by P. S. S.
19.10.02*