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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	537	Press
B.P. No.		Mis.
Dated	2-3-	C874
		195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
2nd March 1874.*

No. 36. Read the following letter from J. W. RUNDALL, Esq., District Engineer, Tinnevely, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Palamcottah, 5th February 1874, No. 181 :—

I HAVE the honour to submit, for the sanction of Government, plans, estimates, and specifications for the construction of Police huts at Vadugapatty and Sholapuram, each amounting to Rs. 825.

2 Plans.
2 Estimates.

2. These works are entered in the list of Police works to be carried out during 1874-75, and approved in G. O., No. 2,924, of the 4th December last.

3. The plans and estimates have been countersigned by the Inspector-General of Police in token of his approval.

No. 37. ORDER THEREON, 2nd March 1874, No. 537.

CIVIL WORKS, No. 5.

SANCTIONED.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,

Secretary to Government.

To the District Engineer, Tinnevely.

„ Inspector-General of Police.

„ Officiating Controller of Public Works Accounts.

„ Judicial Department.

„ ~~Inspecting Engineer for Buildings.~~

Exd. F. R. Bantleman.

Spare Copies

Provisions of Rule

Excavating
Foundations

Rough Stone
in clay.

Brick in mud.

Specification Report to accompany the Estimate
No. 18 of 1892-71 for constructing 3 Police Constables
Huts at Sholapuram in the Tanjore District.

1. Amount of Estimate Rupees 825 ⁵/₂
2. The Estimate provides for constructing 2
Constables Huts each 12x10 and 1 Head Constables
Hut 15x10 with Verandahs 5' broad in front and sides
and also with enclosures 24 1/2 x 10 and 27 1/2 x 10 respectively
as per accompanying Plan. The walls are to be 8 feet
in height supporting a tiled hipped roof and each
hut is to be provided with 1 Door 3x6 + 1 window 2 1/2 x 3.
3. The trenches for foundations are to be dug to a
depth of not less than 2 feet for the main walls and
1 1/2 feet for cross and enclosure walls. The bottom to
be taken out to an uniform level well watered and
tamped before filling in the same.
4. The foundations of the building to consist of
rough Stone in clay. The Stone collected for the work
should be as uniform in size and as rectangular as
possible so that there may be no difficulty in filling in
the interstices closely with clay and there should be
also as many long stones as possible placed like
stretchers in the work to distribute the pressure. Each
course to be successively finished to a uniform level
in a substantial manner. The foundations are to
be inspected and approved by the Range or Sub Division
Officers before the superstructure is commenced.
5. The basement and superstructure of the building

with the exception of 1 foot on the top which is to be
brick in chunam to consist of sound and well burnt
bricks of Government size in clay well trodden under
foot and tempered with a little sand. The walls to be
raised uniformly all round in successive courses of 1 1/2
foot in height and English bond to be observed throughout.
The mortar joints not to exceed 1/8" in thickness. The
bricks to be dipped in water when used. Care must
be taken that the water and sand used are altogether
free from salt.

6. The superstructure of the building to a depth of 1 foot on the top and coping of enclosure walls to
consist of sound and well burnt bricks of Government
size in mortar prepared in proportion of 1 of lime
to 1 1/2 of sifted river sand well mixed and pointed to-
gether. The remaining to be the same as described in
para 5.

7. The Compound wall is to be 5 1/2 feet above
foundation which is to be 1 1/2 feet broad and 1 1/2 feet
and is to be built of standard bricks in clay and
plastered with a mixture of clay and sand and
afterwards whitewashed. It is to have a coping of brick
in chunam of the dimensions provided.

8. To consist of broken brick and gravel 3" deep
well watered and tamped and smeared over with clay.

9. The end walls of front Verandah above 5 feet
to be filled in with open tile work built of tiles 6 inches
in diameter made on potters wheel and divided into
4 and placed three. The ends of tiles to be rubbed
smooth and dipped in good white wash before being used.

Painting

Roofing

Roof Ventilator

Doors & Windows

Stone Pillars

10. The joints of the basement and superstructure
to be scraped out to a depth of 1 1/2 inches & refilled
with small chips of bricks and chunam and the
joint surface well rubbed but no plaster to be put in
surface of bricks. The mortar to be prepared in
proportion of 1 of lime to 1 1/2 of clear river sand. The
water and sand used are altogether free from salt.

11. The roof to consist of palmyrah couples and
bamboo reapers of good quality well burnt pan tiles
and chunam borders. The couples are to be properly
notched and firmly fixed 1 1/2 feet apart on palmyrah
wall plates. The reapers are to be nailed on to the
rafters 6' apart or according to the size of pan tiles
and the tiles to be closely laid so as to overlap 1/2 of
their length. Verandah presumed to be of double sound
and seasoned palmyrah rafters firmly nailed together.

12. Each hut is to be provided with a ventilator
in the apex of the roof as shown on the plan. The distance
of the Ventilator frame from the end of the ridge depends
upon the slope of the roof. The ends of the frame work
must rest on the jack rafters. The wooden frame
is to enclose honey comb tile work. Great care being
taken in filling in the holes.

13. Doors and windows are to be made of sound
and seasoned mango wood free from knots and
cracks. Each door to be provided with 2 strong
hinges a bolt inside and a staple and chain
outside. The windows to be provided with 4 hinges
and strong wooden button inside.

14. To be of 1 block of cut stone of the dimensions

provided and to be properly squared and neatly dressed.

15. All lime used on the work is to be slaked Lime after delivery on the spot. The water used for slaking lime is to be that in which gall nuts have been soaked for 24 hours. One pound of gall nuts should suffice for 7 or 8 parabs of chunam. The color of the water is the best test as to the amount of soaking required.

16. The rough stone is to be obtained from the materials at the Hill one mile north of Sholapuram Bricks obtained from the left bank of the Solase river a distance of $2\frac{1}{2}$ miles. Tiles from Rajapet 5 miles. Lime $\frac{3}{4}$ mile and the Palinjiah and Vengai wood from Tinnivelly a distance of 107 miles.

17. All rejected materials whether stone lime Rejected bricks &c if not at once removed by the individual contracting for the same will be carted away at his cost.

18. All rubbish collected during the execution Rubbish of the work to be carried off and shot a proper distance from the building and the whole of the place to be thoroughly cleaned up.

District Engineer's Office
Palamcottah
20 January 1874

L. W. Randall

District Engineer Tinnivelly

Abstract Estimate No. 18 of 1873-74.

District Tinnivelly Taluk Sunkerniarcoil. 14
Work: Constructing 3 Police constable huts at Sholapuram.

Quantities	Description of work.	Rate.	Amount Total.
36 $\frac{11}{27}$	Cy of Rough Stone in clay	2 4 -	81 14 8
74 $\frac{2}{3}$	" " Bricks in mud	3 8 -	261 5 4
11 $\frac{1}{2}$	" " Bricks in chunam	4 8 -	65 4 -
61 $\frac{2}{3}$	" " Sun dried brick in clay	12 -	146 4 -
4 $\frac{17}{27}$	" " Flooring with gravel and broken bricks	8 -	2 5 -
18 $\frac{3}{4}$	Sq feet Honey Comb Tile work	1 -	1 5 9
30 53	" " Pointing with chunam	12 -	22 14 4
1578 $\frac{3}{8}$	" " Roofing with Palmyra rafters and bamboo reapers, pantiels chunam borders including Ridge Ventilators &c complete finish	17 -	258 2 4
3.	Doors with frames, hinges lintels bolts &c complete	9 -	27 -
3.	Windows, lintels	5 8 -	16 8 -
3	Stone Pillars $\frac{1}{2}$ ' x $\frac{1}{2}$ ' x 5'	12 -	2 4 -
6	" " $\frac{1}{2}$ ' x $\frac{1}{2}$ ' x 6'	1 -	6 -
	Excavating foundation, filling in and sundries		18 15 11
	Work Establishment		15 -

Checked

Total of Estimate Rupees 825 -

I do hereby certify that the above Estimate provides for every thing necessary & that no supplementary work will afterwards be required

District Engineer's Office
Palamcottah
20 January 1874

L. W. Randall
District Engineer Tinnivelly
Superintendent of Police

Kind Reminders

Original Book

1818 & 1819

Direct Reminders

Large Reminders

abstract

Reminders for Reminders

3 Police Constables

at. Photographs

August 825

Enclosure No. 4 in a letter
from the District Engineer
Trinnevelly dated 3rd
February 1874 etc. 181.

To
The Secretary to Govt.
D. P. W.

P. H. 7 2nd March / 74
In No. 36.
Estimate for the Police
Huts at Cholapuram.

P. W. 809/74
4

No 534-2-374-

Provision of
Estimate

Excavating
foundations.

Rough Stone
in clay

Specification Report to accompany the Estimate
of 1873-74 for constructing 3 Police Constables
Huts at Vadugapally in the Tiruvellipallur Taluk
of the Trinnevelly District.

1. Amount of Estimate Rupees 825-0-0
2. The Estimate provides for constructing 2
constables Huts each 12x10 and 1 Head constables
Hut 15x10 with Verandahs 5 feet broad in front and
sides and also with Enclosures 21 1/2 x 10 + 27 1/2 x 10
respectively as per accompanying Plan. The walls
are to be 8 feet in height supporting a tiled hipped
roof, and each hut is to be provided with 1 door
3x6 and 1 window 2 1/2 x 3.

3. The trenches for foundations are to be dug to a
depth of not less than 2 feet for the main walls &
1 1/2 feet for cross and enclosure walls. The bottom to
be taken out to an uniform level well watered &
rammed before filling in the same.

4. Foundation, Basement and walls of
Superstructure with the exception of 1 foot on the
top to be of rough Stone in clay. The stones collected
for the work to be as uniform in size and as near
to angular as possible so that there may be no diffi-
culty in filling in the interstices closely with clay
and there should be also as many long stones as
possible placed like stretchers in the work to
distribute the pressure. Each course to be successively
finished to a uniform level in a substantial
manner. The foundations are to be inspected and
approved by the Range or Sub Division Officer
before

before the superstructure is commenced.

5. The walls of Superstructure to a depth of 1 foot on the top, to be of roughly dressed stone in chunam prepared as described in para 9. The stones collected for the work to be the same as foregoing except that they are to be wedged and roughly dressed.

6. The Compound wall is to be 5 1/2 feet above the foundation which is to be 1 3/4 feet broad and 1 1/2 deep and is to be built of sun dried bricks in clay and plastered with a mixture of clay and sand and afterwards whitewashed. It is to have a coping of tiles in chunam of the dimensions provided.

7. To consist of broken brick and gravel, 3" deep well watered and tamped and secured over with clay.

8. The end walls of front Verandah above 5 feet to be filled in with open tile work, built of tiles 6" in diameter, made on potters wheel and divided into 16 and placed thus. The ends of tiles to be ribbed smooth and dipped in good white wash before being used.

9. The joints of the superstructure and basement to be scraped out to a depth of 1 1/2 inches & refilled with small chips of stone and chunam and the joint surface well rubbed, but no plaster to be put on surface of stones. The mortar to be prepared in proportion of 1 of lime to 1 1/2 of clean river sand. The water and sand used are altogether free from salt.

10. The Roof to consist of palmjrah couples and biniboo reepers of good quality, well burnt pan tiles and chunam borders. The couples are to be properly notched and firmly fixed 1 1/2 feet apart in palmjrah

Roughly dressed Stone in chunam.

Compound wall

Flooring

Pointing

Roofing

will plates. The reepers are to be nailed on to the rafters 6" apart or according to the size of pan tiles and the tiles to be closely laid so as to overlap 1/2 of their length. Verandah before doors to be of double round and seasoned palmjrah rafters firmly nailed together.

Roof Ventilator. Each hut is to be provided with a ventilator with apex of the roof as shown in the plan.

The distance of the Ventilator frame from the end of the ridge depends upon the slope of the roof. The ends of the frame work must rest on the jack rafters. The wooden frame is to inclose strong timber work. Great care being taken in filling the tiles.

Doors and windows. Doors and windows are to be made of sound and seasoned mango wood free from knots and cracks. Each door to be provided with 2 strap hinges a bolt inside and staple and chain outside. The windows to be provided with 4 hinges and a strong wooden bottom inside.

Stone Pillars. To be of one block of cut stone of the dimensions provided and to be properly squared and neatly dressed.

14. All lime used on the work is to be slaked after delivery on the spot. The water used for slaking lime is to be that in which gull nuts have been soaked for 24 hours. One pound of gull nuts should suffice for 7 or 8 parabs of chunam. The color of the water is the best test as to the amount of soaking required.

Materials where obtained. The rough stone is obtainable from the high

high ground two miles North East of Vadugaputty, the tiles from Strivilliputtur 11 miles Limer and bricks from Thummar 5 miles and the palmyrah and woods from Iminevelly or Tinticoin at a distance of 70 miles.

16. All rejected Materials whether stone, lime Rejected - if not at once removed by the individual contractor for the same will be carted away at his cost.

17. All rubbish collected during the execution of this work to be carried off and shot at a proper distance from the Building and the whole of the place to be thoroughly cleaned up.

District Engineer's Office

Palamedotha

20 January 1897

L. W. Russell

District Engineer Iminevelly

Abstract Estimate No. 17 of 1895-96.
District Iminevelly Taluq Strivilliputtur
Work: Constructing 3 constables Huts at Vadugaputty.

Quantities	Description of work.	Rate	Amount Total
1146 $\frac{1}{9}$	Cubic yards Rough Stone in clay	2 4 "	328 12 "
10 $\frac{13}{18}$	" Roughly dressed Stone in chunam	4 "	42 14 "
61 $\frac{2}{1}$	" Sun dried brick in clay	12 "	732 4 "
4 $\frac{42}{27}$	" Flooring with gravel and broken bricks	8 "	32 5 "
18 $\frac{3}{14}$	Sq. feet Honey comb Tile Work	1 "	18 2 9
30 53	Sq. feet Pointing with chunam borders	12 "	366 36
36 3	" Tile Coping with chunam borders	7 "	254 1
1518 $\frac{3}{8}$	" Roofing with Palmyrah rafters and bamboo reapers, pawns tiles and chunam borders including Ridge Ventilators Complete work	17 "	2580 6
3.	Doors with frames hinges lintels bolts &c complete	9 "	27 "
3	Windows D ^o lintels D ^o	5 8 "	16 8 "
3	Stone Pillars 6" x 6" x 5'	12 "	36 "
6	" D ^o 6" x 6" x 6'	1 "	6 "
	Excavating foundation filling in and sundries		30 7 "
	Work Establishment		15 "

Amount Total of Estimate Rupees 825

I do hereby certify that the above Estimate provides for every thing necessary and that no supplementary works will afterwards be required.

District Engineer's Office

Palamedotha

20 January 1897

L. W. Russell
Superintendent of Police

Civil Buildings
 Original Works
 of 1794 1793-712
 District Treasurer
 of the State of New York

Abstract
 Estimate for Constructing
 3 Police Constables
 Work at Washington

Pages 825

Enclosure no. 3 in a letter
from the District Engineer
Tinnevely dated 5th
February 1874. No. 181.

To, The Secretary to Govt.
S. P. W.

P. H. 7th March/74
Ln N^o 36.

Estimate for the Police
Huts at Vadugapatty

P. W. 809/74

No. 537-2-3-74-

No. 181. District Engineer's Office, Tinnevely.
Palamcottah 5th February/74

From, J. W. Randall Esquire
District Engineer, Tinnevely.

To, Colonel G. W. Walker R. C.
Secretary to Government S. P. W.

Enclosures to Sir,

1. Plans.

2. Estimates.

I have the honor to submit for the
sanction of Government Plans Estimates
and Specifications for the construction of
Police Huts at Vadugapatty and Sholapur-
nam, each amounting to Rupees 825.

2. These works are entered in the list
of Police works to be carried out during
1874-75 and approved in G. O. No. 2924
of the 11th December last.

3. The Plans and Estimates have been
countersigned by the Inspector General of
Police in token of his approval.

I have the honor to be
Sir,

Your Most Obedt. Servt.

J. W. Randall
District Engineer

Dr. 1879 March
No. 181

From No. 809.

The District Engineer

Yours sincerely
J. S. W.

The Secretary to Govt

Dated 5th February 1874.
Received 11th

Enclosures. 10.

Submits for sanction

estimated for the

construction of Palace

at Pachayagally

and Sholapuram.

No. 809
GOVT. OF INDIA
PUBLIC WORKS.

To The District Engineer
Immediately

2nd March 1874

No. 36423

Place and at Pachayagally

Sholapuram, District

to the Secretary to the Govt.

and, Sholapuram.

Mr. J. S. W.
18/2.
1874.
J. S. W.
1874.
J. S. W.
1874.

Sanctioned. 1874.

36423

1874