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(3) Initials of the Referencer lens ✓

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

p.w. DEPARTMENT

G.O. No.	438 W	Press.
B.P. No:		Mis.
Dated	22-2-1886	198

Not to be folded or roughly handled

438

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Colonel T. K. GUTHRIE, Inspector-General of Police, to the Chief Secretary to Government, dated Madras, 8th February 1886, No. 711:—

I have the honor to forward, for sanction and for appropriation of funds, the Public Works Department plan and estimates, &c., amounting to Rs. 4,850, for the construction, by that department, of a station-house and one head and eight constables' huts at Saptur, Madura district.

2. This is one of the works for which appropriation was made and resumed in the current year, and it forms one of the several works for which allotments are requested in my letter, No. 584, of the 2nd instant.

3. It is reported that the site has been secured.

No. 295 C., Judicial.

Approved, and transferred to the Public Works Department.

(By Order.)

13th February 1886.

(Signed) A. G. CARDEW,
Acting Assistant Secretary.

ORDER—dated 22nd February 1886, No. 438 W., Public Works.

The estimate, amounting to Rs. 4,850, for constructing a police station-house and constables' huts at Saptur, in the Madura district, is sanctioned.

2. The Superintending Engineer will apply for funds in his statement of demands for 1886-87 on account of sanctioned new works.

3. The sanction accorded in paragraph 1 has been registered as Provincial, No. 215 W. of 1885-86, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle, with six enclosures.

„ Examiner, Public Works Accounts, with the duplicate general abstract estimate.

„ Judicial Department.

Exd. E. Fernandez.

Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1886) Madras.
PUBLIC WORKS.

Dated February, 22nd.

Recd.

Enc.

G.O., 22nd Feb. 1886, No. 438 W

FEBRUARY.

Police Station-house at Saptur,
Madura District

Estimate for constructing constables' hut
and a —, sanctioned.

2
438
GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

14th January 1880, No. 93 W.

Buildings and Roads.
Civil Works.

Read the following papers :—

- No. 21. From the Consulting Architect, dated 12th December 1879, No. 558.
No. 21-A. From the Inspector-General of Police, dated 23rd December 1879,
No. 5,817.

No. 22. ORDER THEREON, 14th January 1880, No. 93 W.

THE Government approve the standard designs for Police huts submitted by the Consulting Architect, and direct their adoption in supersession of all previous designs for such buildings.

2. The designs will be lithographed and the specification and estimate of quantities printed and circulated for the information of the Department.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To all Superintending Engineers.
To the Consulting Architect.
" Judicial Department.

Exd J. W. Fischer.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.
Govt. of (1880) Madras.
PUBLIC WORKS.

To
SUPERINTENDING ENGINEERS,
&c., &c., &c.

Dated January, 14th.

Issued

Recd.

Encl.

G. O., 14th January 1880, No. 93 W.

JANUARY.
Nos. 21-22.

Standard Designs for Police Huts.
Approves the —, and directs their adoption
in supersession of all previous designs to
such buildings.

DEPARTMENT PUBLIC WORKS.

POLICE STATIONS.

Specification of Works to be performed in executing the Standard Designs of Police Stations with
Sloped Roofing according to Drawings Nos. 1, 2, 3, A.

EXCAVATOR.

Clearing Site.—Take down any existing building on the site stacking such materials as it may be desirable to use again.

Excavation.—After the centre lines have been pegged and lined, set out on either side of the lines half the total breadth of the foundations and excavate to the depth or depths shown on the drawing, or to such depth as the officer in charge of the works may direct.

Slips and Baling.—If slips occur during the progress of the works, clear the material away and bale any water lodging in the trenches from a hole or holes made without the limits of the same.

Ramming.—After the officer in charge of the work has seen that the trenches are the full and proper widths and depths well ram the bottom with heavy beaters for the after reception of the concrete.

BRICKLAYER.

Concrete.—Lay over the full breadth of the foundations about 9" of concrete as hereinafter specified and well ram with heavy beaters to a thickness of about 6". After the first layer has been consolidated, lay a second, and execute as before. The completed concrete should be about 12" thick.

Brickwork.—Mark out carefully the centre lines and lay off the thickness of the first footing course. The steps of brickwork should be two courses high and not more than half a brick broad. When the bricks are very inferior it would be advisable to make each offset three bricks high.

The brickwork will be executed in sound material, and care will be taken to insert during the progress of the work the door frames, nogs and brackets for the arm-racks, &c.

The walls will be a brick and a half thick (not less than 1' 1½" or greater than 1' 5". The quantities allow 1' 3").

Splays.—The openings will be splayed as shown on the plan.

Loopholes.—Loopholes of the form and dimensions shown on the drawing will be left in the walls. After the masonry is set build in with half a brick in mud and plaster all flush on the outside.

Arching.—The heads of the openings will be covered by segmental arches built in concentric rings clear of the frame. The space between the arch and the top of the frame will be carefully closed in after the brickwork has settled down.

Bond.—The bond should be English if possible.

Stones.—Fix the stones under the verandah posts, also those under the truss, and fasten properly all wood supplied by the carpenter.

STONE MASON.

Provide and dress two lines, No.—stones 1' x 1' x 4" with mortice holes 2" square and 2" deep to receive the verandah posts.

Steps.—Provide and dress two lines, the steps shown on the drawing tailing each stone not less than 3".

CARPENTER.

Truss.—Frame a truss of the dimensions and form shown on the drawing. The heels of the rafters will be tenoned into the tie-beam and strapped down tight, and the heads allowed to butt simply. Over the heads place a choek, hollowed out so as to cover the joints, and fasten it down by the first nut (the struts having been cut to admit of the camber), lap a rope round the

Note.—Vary this clause according to class.

truss twist up the tie-beam to the required camber, and screw home the first nut on the king rod. The lower ends of the struts will butt simply against the tie-beams and against each other, and they will be held in their places by round pieces of wood; the upper ends will be tenoned into the rafters. When the truss is hoisted, put on the ridge over the king rod head and screw the second nut down tight. Halve the purlins and rafters each to the extent of 1", support the purlin over the wall.

Rafters.—Supply and fix common rafters 2" x 3" spaced 18" from centre to centre. Let the ends of ridge and purlins project beyond the face of the outer wall to the extent of 1' 8", spike on the ends the ornamental pieces shown on the plan.

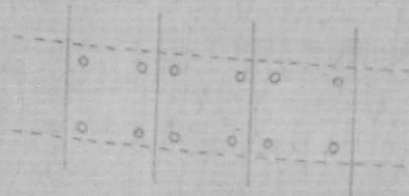
Ventilators.—Supply frame and fix two end ventilators, build the shoulders of the eills into the walls, and fasten the top by halving to the extent of 1" into the ridge and screw to the last rafter. Frame the side ventilators into the wall purlin. Frame the roof of the verandah as shown in the details on the drawing.

Reepers.—Under the tiles lay reepers 2" x 4" spaced 5" from centre to centre.

Planking.—Over the rafters of the lock-up cells lay 1" planking in lieu of reepers, fasten the same strongly, so that prisoners cannot easily remove the planking and escape by the roofs.

Arm-racks.—Provide and fix arm-racks in strict accordance with the dimensions set forth on the drawing.

Provide strong batten doors made of three-quarters of an inch planks horizontal and vertical well held together with palm



Roofing.

The roof will consist of tiles neatly shaped and well burnt. Lay in the valleys caused by the two slopes of the verandah roof either sheet lead or zinc. Then tile over the whole protecting by chunam bands if necessary.

IRONMONGER.

Provide iron doors as shown on the drawing neatly rivetted, bolted or screwed as the case may be.

Provide for the entrance a rim lock with a key hole on either side; the other iron gratings may be padlocked.

PLASTERER.

Plaster the whole of the interior and exterior two coats of plaster, making the last coat sufficiently smooth for the after reception of wash.

Wash the interior and exterior with two coats of wash well sized. The general tint of the interior should be composed of—

40 parts lime,
1 part yellow ochre.

This tint should be used on the parts marked A exterior. Those marked B should be washed with—

200 parts lime,
8 „ yellow ochre,
2 „ red ochre,
1 part lampblack.

The imitation arch bricks marked C—

20 parts lime,
5 „ yellow ochre,
10 „ red ochre.

The colors may be renewed from year to year and will always have a neat and finished appearance.

MATERIALS.

The bricks will be cast in a mould
well burnt and free from defects.

The tiles will be * * * well burnt and water tight.

The timber will be well seasoned, sound and free from defects.

The lime will be collected at * * * properly burnt and slaked.

The sand will be collected at * * *

The iron work will be procured from the Government Workshops.

CHEPÂK,
9th July 1880.

MADRAS,
20th July 1880.

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.

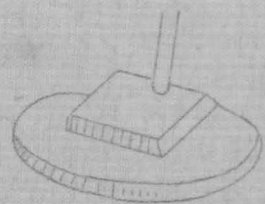
(Signed) T. K. GUTHRIE, Major,
Asst. Inspector-General of Police,
for Inspector-General of Police.

trenails four to each crossing, cut in suitable positions clear of joints and of the holes for firing through. Provide strong fastenings and iron bars on the inside of each opening. (Here specify whether the woodwork is to be painted or oiled. Painting in Carson's oak color being preferable for all wood exposed to the weather.)

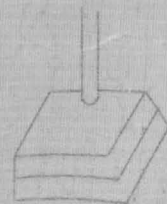
FLOOR.

Fill in plinth with earth (specify sand if procurable), well ram the same. Put down a layer of old broken rubbish about 6" thick under the tiling and bring all to an even surface for the reception of the tiles. Lay a tiled floor of 6" square tiles.

N.B.—The ordinary tiles may be greatly improved at a very little extra cost in the following manner:—Mould in slop work in the ordinary way and allow to dry until the earth just receives the impression of the finger pressed upon it, generally from 48 to 72 hours. Then beat with a wooden mallet on a hard surface to about an inch thickness from say 1 1/4"; provide a template the size of the tile required and cut with sloping sides.



Tile uncut.



Tile cut.

ESTIMATE of the Cost of constructing a First-class Police Station-house with Sloped Roofing according to Standard Design No. 1-A.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Excavation for Foundations.</i>						
Outer walls	...	FT. IN.	FT. IN.	FT. IN.		
Partitions	...					
Do.	2	112 0	4 0	3 0	1,344	
Verandah walls	1	12 3	4 0	3 0	294	
Steps	...	6 3	3 6	3 0	66	
	...	48 3	3 6	3 0	507	
	...	11 0	3 0	1 6	50	
Cubic feet	...				2,261	
Cubic yards	...					84
<i>Earth-filling in Basement.</i>						
Guard-room	...					
Look-up	1	18 0	15 0	1 6	405	
Do. and Inspector's	1	9 0	15 0	1 6	203	
Verandah	2	9 0	7 1 1/2	1 6	192	
	1	37 0	6 3	1 6	347	
Cubic feet	...				1,147	
Cubic yards	...					43
<i>Concrete 12 inches thick.</i>						
Excavation 2,211 cubic feet ÷ 3 =	...					
Steps	1	11 0	3 0	1 0	737	
	...				33	
Cubic feet	...				770	
<i>Brickwork in Foundations.</i>						
Footings—						
Outer walls	...					
Partitions	...					
Do.	2	112 0	2 3	1 6	378	
Verandah walls	1	14 0	2 3	1 6	95	
Above footings to ground level—	...					
Outer walls	...					
Extra thickness for plinth	...					
Partitions	...					
Do.	2	79 6	0 3	0 6	10	
Verandah walls	1	15 0	1 3	0 6	19	
Steps	1	9 0	0 9	0 6	3	
	...					
	1	51 0	0 9	0 6	19	
	1	11 0	3 0	0 6	17	
Cubic feet	...				763	
<i>Brickwork in Basement.</i>						
Outer walls	...					
Extra thickness for plinth	...					
Partitions	...					
Do.	...					
Verandah walls	2	112 0	1 3	2 0	280	
Do.	...					
Verandah walls	1	79 6	0 3	2 0	40	
Steps	1	15 0	1 3	2 0	75	
Do.	...					
Verandah walls	1	9 0	0 9	2 0	14	
Steps	...					
Do.	1	51 0	0 9	2 0	77	
Do.	1	11 0	3 0	0 6	17	
Do.	1	9 0	2 0	0 6	9	
Do.	1	7 0	1 0	0 6	4	
Deduct stone in steps	...					516
	...					23
Cubic feet	...					493

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Brickwork in Superstructure.</i>						
Outer walls	...	FT. IN.	FT. IN.	FT. IN.		
Partitions	...					
Gables	...					
Partition	...					
	2	112 0	1 3	10 6	1,470	
	2	15 0	1 3	10 6	394	
	4	17 6	1 3	2 10 1/2	252	
	1	9 0	0 9	16 3	110	
						2,226
<i>Deductions.</i>						
Doors	...					
Do.	...					
Window	...					
Ventilators	...					
Do. in gables	...					
Archwork as per details	...					
	2	3 9	1 3	6 6	61	
	4	2 9	1 3	6 0	83	
	1	3 0	1 3	4 0	15	
	5	4 9	1 3	1 9	52	
	2	3 6	1 3	2 7	23	
					33	
						267
Cubic feet	...					1,959
<i>Archwork.</i>						
Segmental arches over doors	...					
Do. do. do.	...					
Do. do. windows	...					
	2	4 6	1 3	1 0	33	C. ft.
	4	3 6	1 3	1 0		
	1	3 6	1 3	1 0		
<i>Stonework if easily procured.</i>						
Steps	...					
	...	37 0	1 3	0 6	23	Do.
<i>Teakwood.</i>						
Verandah posts	...					
Do.	...					
Breastsummers	...					
Rafters for verandah	...					
Ridge for entrance	...					
Hip rafters for do.	...					
Small rafters for do.	...					
Do. do.	...					
Do. do.	...					
Do. do.	...					
Do. do.	...					
Barge board for do.	...					
Struts for do.	...					
Cleats to secure verandah—	...					
Rafters to breastsummers	...					
Tie beams	...					
Principal rafters	...					
Struts	...					
Purlins	...					
Wall purlins	...					
Ridge	...					
Common rafters	...					
Do. do.	...					
Do. at ends	...					
Barge boards	...					
	20	0 2 1/2	0 8	1 0	3	
	1	17 6	0 4	0 6	3	
	2	9 6	0 4	0 4	2	
	2	4 9	0 3	0 3	1	
	2	45 0	0 4	0 5	13	
	2	45 0	0 4	0 4	10	
	1	45 0	0 2 1/2	0 7	5	
	31	11 9	0 2	0 3	15	
	27	10 6	0 2	0 3	12	
	4	11 9	0 3	0 3	3	
	4	12 6	1 0	0 1	4	
Cubic feet	...					110
<i>Wrought Iron Work in Truss.</i>						
1" diameter king rod	...					
1" hex. nut and bolt head	...					
	1	6 9	×	2 62	17 68	
	3	...	×	0 55	1 65	

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Wrought Iron Work in Truss—cont.</i>						
3 inches × 3 inches × $\frac{1}{8}$ inch washers	3	FT. IN.	FT. IN.	FT. IN.		
1 $\frac{1}{2}$ inches × $\frac{3}{4}$ inch flat iron straps	2	2 6	×	0-32	0-96	
1 $\frac{1}{2}$ inches × $\frac{3}{4}$ inch bearing plates	2	0 6	×	1-87	9-35	
$\frac{1}{2}$ inch hex. nuts for straps	4	...	×	2-92	2-92	
2 inches × 2 inches × $\frac{1}{8}$ inch washers	4	...	×	0-06	0-24	
				0-14	0-56	
lbs. ...	...	...	...	...	33-36	
<i>Inner Doors.</i>						
Inner doors ...	4	2 9	...	6 0	66	S. ft.
<i>Teak Batten Doors with Frames and Fastenings.</i>						
Outer doors ...	2	3 9	...	6 6	49	Do.
Batten window ...	1	3 0	...	4 0	12	Do.
Ventilators, wooden frames, and venetians with iron bars.	5	4 9	...	1 9	42	Do.
Ventilators, wooden frames, and iron bars at gable ends.	2	3 6	...	2 7	18	Do.
Frames with fixed venetians in gables	2	7 6	...	1 3	19	Do.
<i>Moulding over exterior opening.</i>						
Doors ...	2	5 0	...	...	10	
Window ...	1	4 6	...	...	4 $\frac{1}{2}$	
Lineal feet ...	...	...	...	...	14 $\frac{1}{2}$	
Stones under verandah posts 1' × 1' × 4".	...	6 in number.	...	...		
Stones under truss	...	2 in number.	...	...		
<i>Tiled Roofing with Pan Tiles over 1" Teak Planking.</i>						
Lock-up ...	2	12 6	...	12 0	320	
Do. ...	1	1 8	...	12 0	114	
Do. ...	1	10 10	...	10 6		
Square feet ...	...	...	...	...	434	
Squares ...	...	...	...	...		4-34
<i>Tiled Roofing with Flat and Pan Tiles over Teak Reapers.</i>						
Guard-room, lock-up, &c. ...	1	19 4	...	12 0	252	
	1	1 8	...	12 0		
Verandah ...	1	10 10	...	10 6	317	
Entrance ...	1	19 4	...	10 6	339	
	2	33 10 $\frac{1}{2}$	...	10 0	87	
		9 0	...	4 10		
Square feet ...	...	...	...	...	995	
Squares ...	...	...	...	...		9-95

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Flooring with Square Tiles.</i>						
Guard-room ...	1	15 0	...	18 0	270	
Inspector's room ...	1	7 1 $\frac{1}{2}$	...	9 0	64	
Verandah ...	2	3 9	...	7 0	270	
Door pieces ...	1	2 9	...	1 3	13	
Do. ...	3	2 9	...	0 7 $\frac{1}{2}$	5	
Do. ...	...	...	...	...	622	
Square feet ...	...	...	...	...		6-22
Squares ...	...	...	...	...		
<i>Flooring with Jelly 6" thick and painting over with a composition of 1 lb. of Asphalte to 5 lbs. of Tar.</i>						
Lock-up ...	1	15 0	...	9 0	135	
Do. ...	1	7 1 $\frac{1}{2}$	...	9 0	64	
Door pieces ...	3	2 9	...	0 7 $\frac{1}{2}$	5	
Square feet ...	...	...	...	...	204	
Squares ...	...	...	...	...		2-04
<i>Plastering interior and washing.</i>						
Guard-room ...	2	68 0	...	10 6	693	
Gables ...	2	17 6	...	2 10 $\frac{1}{2}$	101	
Lock-up ...	2	48 0	...	10 6	504	
Gables ...	2	17 6	...	2 10 $\frac{1}{2}$	101	
Lock-up and Inspector's room	2	32 3	...	10 6	677	
Do. partition, upper portion	2	9 0	...	5 9	104	
Gables ...	2	16 3	...	2 10 $\frac{1}{2}$	93	
Door jambs ...	2	17 0	...	1 3	43	
Do. ...	4	15 0	...	1 3	75	
Window jambs ...	1	14 0	...	1 3	18	
Ventilator do. ...	5	8 3	...	1 3	52	
Do. do. ...	2	7 6	...	1 3	19	
						2,480
<i>Deductions.</i>						
Doorways ...	2	3 9	...	6 6	49	
Do. ...	4	2 9	...	6 0	132	
Window ...	1	3 0	...	4 0	12	
Ventilators ...	5	4 9	...	1 9	42	
Do. ...	2	3 6	...	2 0	14	
Square feet ...	...	...	...	...		249
Squares ...	...	...	...	...		2,231
<i>Plastering exterior and washing.</i>						
Basement ...	...	132 6	...	2 0	265	
Superstructure ...	...	117 0	...	10 6	1,229	
Gables ...	2	17 6	...	2 10 $\frac{1}{2}$	101	
						1,595

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Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Deductions.</i>		FT. IN.	FT. IN.	FT. IN.		
Door ...	2	3 9	...	6 6	49	
Window ...	1	3 0	...	4 0	12	
Ventilators ...	5	4 9	...	1 9	42	
Do. ...	2	3 6	...	2 0	14	
					117	
Square feet ...						1,478
Squares ...						14.78
<i>Painting with three Coats of Wood-oil.</i>						
Rafters for verandah ...	20	10 6	...	0 9½	166	
Ridge for entrance ...	1	9 0	...	1 ½	9	
Hip rafters for do. ...	2	12 6	...	1 0	25	
Small rafters for do. ...	...	120 0	...	0 9½	95	
Tie-beam ...	1	17 6	...	1 8	29	
Principal rafters ...	2	9 6	...	1 4	25	
Struts ...	2	4 9	...	1 0	10	
Purlins ...	2	44 4	...	1 2	103	
Wall purlins ...	2	44 4	...	1 0	89	
Ridge ...	1	44 4	...	1 4½	61	
Common rafters ...	31	11 9	...	0 8	432	
Do. at ends ...	27	10 6	...	0 8	24	
Planking ...	4	11 9	...	0 6	434	
Reepers ...	...	2,488 0	...	0 3½	726	
Square feet ...					2,228	
Squares ...						22.28
<i>Painting with three Coats of Carson's Oak Color.</i>						
Doors ...	2 x 2	3 9	...	6 6	98	
Do. ...	2 x 4	2 9	...	6 0	132	
Window ...	2 x 1	3 0	...	4 0	24	
Ventilators with venetians and iron bars ...	3 x 5	4 9	...	1 9	125	
Ventilators with iron bars ...	2 x 2	3 6	...	2 7	36	
Frames with venetians in gables ...	3 x 2	7 6	...	1 3	56	
Posts ...	4	1 8	...	5 5	62	
Do. ...	2	1 8	...	7 8	60	
Breastsummers ...	2	17 0	...	1 9	8	
Cleats ...	20	0 6	...	0 9	8	
Barge board over entrance ...	2	9 8	...	0 4½	8	
Struts for do. ...	2	4 0	...	1 0	8	
Barge board in gables ...	4	12 6	...	1 0	50	
Square feet ...					667	
Squares ...						6.67
Arm-rack for ten rifles ...		7 lineal feet.				
Pegs for accoutrements ...		12 in number.				
Moveable shelf for Inspector's room ...		1 in number.				

ABSTRACT.

First-class Police Station-house with Tiled Roofing, Plan No. 1-A.

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. A. P.
84 C. yds.	Excavation for foundations ...			
43 "	Earth-filling in basement ...			
770 C. ft.	Concrete ...			
763 "	Brickwork in foundations ...			
493 "	Do. in basement ...			
1,959 "	Do. in superstructure ...			
33 "	Archwork ...			
23 "	Stonework in steps (if easily procured).			
110 "	Teakwood wrought and put up ...			
33-36 lbs.	Wrought iron work in truss ...			
66 S. ft.	Iron doors ...			
49 "	Teak batten doors with frames and fastenings.			
12 "	Teak batten window do. ...			
42 "	Ventilators, wooden frames, and venetians with iron bars.			
18 "	Do. wooden frames and iron bars at gable ends.			
19 "	Frames with fixed venetians in gables.			
14½ L. ft.	Mouldings over exterior openings ...			
6 No.	Stones under verandah posts ...			
2 "	Do. under truss ...			
4-34 Sqs.	Tiled roofing with pan-tiles over 1 inch teak planking.			
9-95 "	Tiled roofing with flat and pan-tiles over teak reepers.			
6-22 "	Flooring with square tiles ...			
2-04 "	Do. with jelly 6 inches thick and painting over with tar and asphalt composition.			
22-31 "	Plastering interior and washing ...			
14-78 "	Do. exterior and washing ...			
22-28 "	Painting with three coats of wood-oil.			
6-67 "	Do. with three coats of Carson's oak color.			
7 L. ft.	Arm-rack for ten rifles ...			
12 No.	Pegs for accoutrements ...			
1 "	Moveable shelf for Inspector's room ...			
	Contingencies at 5 per cent ...			
	Total ...			

CHEPÁK,
9th July 1880.MADRAS,
20th July 1880.(Signed) R. F. CHISHOLM,
Consulting Architect to Government.(Signed) T. K. GUTHRIE, Major, R.E.,
Asst. Inspector-General of Police,
for Inspector-General of Police.

ESTIMATE of the Cost of constructing a Second-class Police Station-house with Sloped Roofing according to Standard Design No. 2-A.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Excavation for Foundations.</i>						
Outer walls		FT. IN.	FT. IN.	FT. IN.		
Partitions	2	100 0	4 0	3 0	1,200	
Do.	1	12 3	4 0	3 0	294	
Verandah walls	1	6 3	3 6	3 0	66	
Steps	1	41 3	3 6	3 0	433	
		11 0	3 0	1 6	50	
Cubic feet					2,043	
Cubic yards						76
<i>Earth-filling in Basement.</i>						
Guard-room	1	12 0	15 0	1 6	270	
Lock-up	1	9 0	15 0	1 6	203	
Do. and Inspector's	2	9 0	7 1 1/2	1 6	192	
Verandah	1	31 0	5 9	1 6	267	
Cubic feet					932	
Cubic yards						35
<i>Concrete 12 inches thick.</i>						
Excavation 1,993 cubic feet ÷ 3 =						
Steps	1	11 0	3 0	1 0	664	
					33	
Cubic feet					697	
<i>Brickwork in Foundations.</i>						
Footings—						
Outer walls	2	100 0	2 3	1 6	338	
Partitions	2	14 0	2 3	1 6	95	
Do.	1	8 0	1 9	1 6	21	
Verandah walls	1	43 0	1 9	1 6	113	
Above footings to ground level—						
Outer walls	1	100 0	1 3	0 6	63	
Extra thickness for plinth	2	74 0	0 3	0 6	9	
Partitions	2	15 0	1 3	0 6	19	
Do.	1	9 0	0 9	0 6	3	
Verandah walls	1	44 0	0 9	0 6	17	
Steps	1	11 0	3 0	0 6	17	
Cubic feet					695	
<i>Brickwork in Basement.</i>						
Outer walls	1	100 0	1 3	2 0	250	
Extra thickness for plinth	2	74 0	0 3	2 0	37	
Partitions	2	15 0	1 3	2 0	75	
Do.	1	9 0	0 9	2 0	14	
Verandah walls	1	44 0	0 9	2 0	66	
Steps	1	11 0	3 0	0 6	17	
Do.	1	9 0	2 0	0 6	9	
Do.	1	7 0	1 0	0 6	4	
Deduct stone in steps					473	
					23	
Cubic feet					449	

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Brickwork in Superstructure.</i>						
Outer walls	...	100 0	1 3	10 6	1,313	
Partitions	2	15 0	1 3	10 6	394	
Gables	4	17 6	1 3	2 10 1/2	252	
Partition	1	9 0	0 9	16 3	110	2,069
<i>Deductions.</i>						
Door	1	3 9	1 3	6 6	30	
Do.	4	2 9	1 3	6 0	83	
Window	1	3 0	1 3	4 0	15	
Ventilators	4	4 9	1 3	1 9	42	
Do. in gable ends	2	3 6	1 3	2 7	23	
Archwork as per details	...	...	...	...	28	221
Cubic feet						1,848
<i>Archwork.</i>						
Segmental arches over door	1	4 6	1 3	1 0		
Do. do.	4	3 6	1 3	1 0	28	C. ft.
Do. window	1	3 6	1 3	1 0		
<i>Stonework if easily procured.</i>						
Steps	...	37 0	1 3	0 6	23	Do.
<i>Teakwood.</i>						
Posts	4	0 5	0 5	6 11 1/2	4	
Do.	2	0 5	0 5	8 0	3	
Breastsummers	2	14 0	0 5	0 5	5	
Rafters for verandah	16	10 0	0 2 1/2	0 3 1/2	10	
Ridge for entrance	1	8 7	0 2 1/2	0 5	1	
Hip rafters for do.	2	11 6	0 3	0 4 1/2	2	
Small rafters for entrance	2	8 6	0 2 1/2	0 3 1/2		
Do. do.	4	7 0	0 2 1/2	0 3 1/2		
Do. do.	4	6 0	0 2 1/2	0 3 1/2	6	
Do. do.	4	4 6	0 2 1/2	0 3 1/2		
Do. do.	4	3 6	0 2 1/2	0 3 1/2		
Barge board	2	9 0	0 4	0 3 1/2	1	
Struts for entrance	2	0 10	0 2 1/2	5 1	2	
Cleats to secure verandah rafters to breastsummers.	18	0 2 1/2	0 8	1 0	3	
Purlins over guard room	2	14 0	0 5	0 6	6	
Do. over lock-up and Inspector's room.	4	12 8	0 4	0 5	7	
Wall purlins	2	38 6	0 4	0 4	9	
Ridge	1	38 6	0 2 1/2	0 7	5	
Common rafters	27	11 9	0 2	0 3	23	
Do.	23	10 6	0 2	0 3		
Common rafters at ends	4	11 9	0 3	0 3	3	
Barge boards	4	12 6	1 0	0 1	4	
Cubic feet						94
Iron inner doors	4	2 9		6 0	66	Sq. ft.
Teak batten door with frames and fastening.	1	3 9		6 6	24	Do.

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Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Teakwood—cont.</i>						
Batten window with frames and fastenings.	1	FT. IN. 3 0	FT. IN. ...	FT. IN. 4 0	12	Sq. ft.
Ventilators, wooden frames and venetians with iron bars.	4	4 9	...	1 9	33½	Do.
Ventilators, wooden frames and iron bars at gable ends.	2	3 6	...	2 7	18	Do.
Frame with fixed venetians in gables	2	7 6	...	1 3	19	Do.
Stones under posts 1' x 1' x 4"	...	6 in number.	...	...	...	...
<i>Moulding over exterior openings.</i>						
Door	1	...	...	...	5	
Window	1	...	...	...	4½	
Lineal feet	...	...	...	...	9½	
<i>Tiled Roofing with Pan Tiles over 1" Teak Planking.</i>						
Lock-up	2	12 6	...	12 0	320	
Do.	1	1 8	...	12 0	114	
Do.	1	10 10	...	10 6	...	
Square feet	...	...	...	...	434	
Squares	...	...	...	...	...	4.34
<i>Tiled Roofing with Flat and Pan Tiles over Teak Reepers.</i>						
	1	13 4	...	12 0	180	
	1	1 8	...	12 0	...	
	1	10 10	...	10 6	254	
	1	13 4	...	10 6	270	
Verandah	...	28 4½	...	9 6	81	
Entrance	2	9 0	...	4 6	...	
Square feet	...	...	...	...	785	
Squares	...	...	...	...	...	7.85
<i>Flooring with Square Tiles.</i>						
Guard room	1	12 0	...	15 0	180	
Inspector's room	1	9 0	...	7 1½	64	
Verandah	1	32 6	...	6 6	211	
Door piece	1	3 9	...	1 3	8	
Do.	1	2 9	...	1 3	5	
Do.	3	2 9	...	0 7½	...	
Square feet	...	...	...	...	468	
Squares	...	...	...	...	...	4.68

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
<i>Flooring with Jelly 6" thick and Painting over with a composition of 1 lb. Asphalt to 5 lb. of Tar.</i>						
Lock-up	1	15 0	...	9 0	135	
Do.	1	7 1½	...	9 0	64	
Door pieces	3	2 9	...	0 7½	5	
Square feet	...	...	...	...	204	
Squares	...	...	...	...	...	2.04
<i>Plastering interior and washing.</i>						
Guard room	...	54 0	...	10 6	567	
Gables	2	17 6	...	2 10½	101	
Lock-up	...	48 0	...	10 6	504	
Gables	2	17 6	...	2 10½	101	
Lock-up and Inspector's room	2	32 3	...	10 6	677	
Partition, upper portion	2	9 0	...	5 9	104	
Gables	2	16 3	...	2 10½	93	
Door jambs	1	17 0	...	1 3	21	
Do.	4	15 0	...	1 3	75	
Window jambs	1	11 0	...	1 3	14	
Ventilator	4	8 3	...	1 3	41	
Do.	2	7 6	...	1 3	19	
					2,317	
<i>Deductions.</i>						
Doorway	1	3 9	...	6 6	24	
Do.	4	2 9	...	6 0	132	
Window	1	3 0	...	4 0	12	
Ventilators	4	4 9	...	1 9	33	
Do.	2	3 6	...	2 0	14	
Square feet	...	...	...	...	215	
Squares	...	...	...	...	...	2.15
<i>Plastering exterior and washing.</i>						
Basement	...	119 6	...	2 0	239	
Superstructure	...	105 0	...	10 6	1,103	
Gables	2	17 6	...	2 10½	101	
					1,443	
<i>Deductions.</i>						
Doors	1	3 9	...	6 6	24	
Window	1	3 0	...	4 0	12	
Ventilators	4	4 9	...	1 9	33	
Do.	2	3 6	...	2 0	14	
Square feet	...	...	...	...	83	
Squares	...	...	...	...	...	1.83
					1,360	
					...	13.60

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Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Painting Roof with three coats of Wood oil.</i>		FT. IN.	FT. IN.	FT. IN.		
Rafters for verandah ...	16	10 0		0 9½	127	
Ridge for entrance ...	1	8 7		1 0	9	
Hip rafters for do. ...	2	11 6		1 0	23	
Small rafters for do. ...	2	101 0		0 9½	80	
Purlins ...	2	12 0		1 5	34	
Do. ...	4	10 8		1 2	50	
Wall purlins ...	2	38 0		1 0	76	
Ridge ...	1	35 6		1 4½	49	
Common rafters ...	27	11 9		0 8	373	
Do. ...	23	10 6		0 8	24	
Do. ...	4	11 9		0 6	434	
Planking ...					567	
Reepers ...		1,945 0		0 3½		
Square feet ...					1,846	18.46
Squares ...						
<i>Painting with three coats of Carson's Oak color.</i>						
Doors ...	2 ×	1	3 9	6 6	49	
Do. ...	2 ×	4	2 9	6 0	132	
Window ...	2 ×	1	3 0	4 0	24	
Ventilators with venetians and iron bars ...	3 ×		4 9	1 9	100	
Do. with iron bars ...	2 ×		3 6	2 7	36	
Frames with venetians in gables ...	3 ×		7 6	1 3	56	
Posts ...	2		1 8	5 9	64	
Do. ...	4		1 8	7 9	47	
Breastsummers ...	2		14 0	1 8	7	
Cleats ...	2		0 6	0 9	7	
Barge board over entrance ...	18		0 6	0 4½	8	
Struts ...	2		0 6	1 0	50	
Barge board in gables ...	2		4 0	1 0		
Do. ...	4		12 6	1 0		
Square feet ...					580	5.80
Squares ...						
Arm-rack for four rifles ...						
Pegs for accoutrements ...		2½ lineal feet.				
Movable shelf for Inspector's room ...		6 in number.				
		1 in number.				

ABSTRACT.

SECOND-CLASS Police Station-house with Sloped Roofing, Plan No. 2-A.

Quantity.	Item.	Rate.	Per.	Amount.
		RS. A. P.		RS. A. P.
76 C. yds.	Excavation for foundations ...			
35 "	Earthfilling in basement ...			
697 C. ft.	Concrete ...			
695 "	Brickwork in foundations ...			
449 "	Do. in basement ...			
1,848 "	Do. in superstructure ...			
28 "	Archwork ...			
23 "	Cut-stone work in steps ...			
94 "	Teakwood wrought and put up ...			
66 Sq. ft.	Iron inner doors ...			
24 "	Teak batten door with frames and fastenings.			
12 "	Do. window do. ...			
33½ "	Ventilators, wooden frames, and venetians with iron bars.			
18 "	Ventilators, wooden frames and iron bars for gable ends.			
19 "	Frames with fixed venetians for do. do.			
6 No.	Stones under posts ...			
9½ L. ft.	Moulding over exterior openings.			
4.34 Sqs.	Tiled roofing with pan tiles over one inch teak planking for lock-up.			
7.85 "	Tiled roofing with flat and pan tiles and teak reepers.			
4.68 "	Flooring with square tiles ...			
2.04 "	Do. lock-up with jelly six inches thick and painting over with tar and asphalt composition.			
21.02 "	Plastering and washing interior.			
13.60 "	Do. do. exterior...			
18.46 "	Painting roof with three coats of wood-oil.			
5.80 "	Do. doors and windows and exposed wood work with three coats of Carson's oak color.			
2½ L. ft.	Arm-rack for four rifles ...			
6 No.	Pegs for accoutrements ...			
1 "	Movable shelf for Inspector's room.			
	Rupees ...			
	Contingencies at 5 per cent...			
	Total ...			

CHERPAK,
9th July 1880.MADRAS,
20th July 1880.(Signed) R. F. CHISHOLM,
Consulting Architect to Government.(Signed) T. K. GUTHRIE, Major,
Asst. Inspector-General of Police,
for Inspector-General of Police.

ESTIMATE of the Cost of constructing a Third-class Police Station-house with Sloped Roofing according to Standard Design No. 3-A.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Excavation for Foundations.</i>						
Outer walls ...		FT. IN.	FT. IN.	FT. IN.		
Partition ...		69 6	4 0	3 0	945	
Verandah walls ...	1	9 3	4 0	3 0	294	
Steps ...	1	28 0	3 6	3 0	50	
		11 0	3 0	1 6		
Cubic feet ...					1,289	48
Cubic yards ...						
<i>Earthfilling in Basement.</i>						
Guard room ...	1	12 0	12 0	1 6	342	
Lock-up ...	1	7 0	12 0	1 6	148	
Verandah ...	1	18 9	5 3	1 6		
Cubic feet ...					490	
Cubic yards ...						18
<i>Concrete 12 inches thick.</i>						
Excavation 1,239 cubic feet ÷ 3 =					413	
Steps ...	1	11 0	3 0	1 0	33	
Cubic feet ...					446	
<i>Brickwork in Foundations Footings.</i>						
Outer wall ...		69 6	2 3	1 6	272	
Partition ...		11 0	2 3	1 6	78	
Verandah walls ...		29 9	1 9	1 6		
Above footings to ground level—						
Outer walls ...		69 6	1 3	0 6	51	
Partition ...	1	12 0	1 3	0 6	7	
Extra thickness for plinth ...		55 3	0 3	0 6	12	
Verandah walls ...		30 9	0 9	0 6	17	
Steps ...	1	11 0	3 0	0 6		
Cubic feet ...					437	
<i>Brickwork in Basement.</i>						
Outer walls ...		69 6	1 3	2 0	174	
Extra thickness for plinth ...		55 3	0 3	2 0	28	
Partition ...	1	12 0	1 3	2 0	30	
Verandah walls ...		30 9	0 9	2 0	46	
Steps ...	1	11 0	3 0	0 6	17	
Do. ...	1	9 0	2 0	0 6	9	
Do. ...	1	7 0	1 0	0 6	4	
					308	
					23	
Deduct stone in steps ...					285	
Cubic feet ...						
<i>Brickwork in Superstructure.</i>						
Outer walls ...		69 6	1 3	10 6	1,070	
Partition ...	1	12 0	1 3	10 6	131	1,201
Gables ...	3	14 6	1 3	2 5		

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Deductions.</i>						
Door ...	1	3 9	1 3	6 6	30	
Do. ...	1	2 9	1 3	6 0	21	
Ventilators ...	3	4 9	1 3	1 9	31	
Do. in gables ...	2	3 6	1 3	2 4	20	
Archwork as per details ...					10	
						112
Cubic feet ...						1,089
<i>Archwork.</i>						
Segmental arch over door ...	1	4 6	1 3	1 0	10	C. ft.
Do. do. ...	1	3 6	1 3	1 0		
<i>Stonework if easily procured.</i>						
Steps ...		37 0	1 3	0 6	23	Do.
<i>Teakwood.</i>						
Posts ...	2	0 5	0 5	6 4	2	
Do. ...	2	0 5	0 5	8 1½	3	
Breastsummers ...	2	7 10	0 5	0 5	3	
Rafters, verandah ...	8	9 6	0 2½	0 3½	5	
Ridge for entrance ...	1	8 3	0 2½	0 5	1	
Hip rafters for do. ...	2	11 0	0 3	0 4½	2	
Small rafters do. ...	2	8 0	0 2½	0 3½		
Do. ...	4	7 0	0 2½	0 3½		
Do. ...	4	6 0	0 2½	0 3½		
Do. ...	2	4 6	0 2½	0 3½	6	
Do. ...	4	3 6	0 2½	0 3½		
Barge board for do. ...	2	8 9	0 4	0 4	1	
Struts ...	2	5 0	0 2½	0 10	2	
Cleats to secure verandah rafters to breastsummers ...	8	0 2½	0 8	1 0	1	
Purlins over guard room ...	2	15 9	0 5	0 6	7	
Do. over lock-up ...	2	10 6	0 4	0 5	3	
Wall purlins ...	2	26 6	0 4	0 4	6	
Ridge ...	1	26 6	0 2½	0 6	3	
Common rafters ...	19	9 10	0 2	0 3	8	
Do. ...	15	8 3	0 2	0 3	5	
Do. end ...	4	9 10	0 3	0 3	2	
Barge board ...	4	10 7	0 1	1 0	4	
Cubic feet ...					64	
Iron inner doors ...	1	2 9		6 0	17	Sq. ft.
Teak batten door with frames and fastenings ...	1	3 9		6 6	24	Do.
Ventilators, wooden frames and venetians with iron bars ...	3	4 9		1 9	25	Do.
Ventilators, wooden frames and iron bars at gable ends ...	2	3 6		2 4	16½	Do.
Frames with fixed venetians in gables ...	2	6 6		1 1½	15	Do.
<i>Mouldings over exterior openings.</i>						
Door ...					5	L. ft.
Stones under verandah posts 1' × 1' × 4" ...		4 in number.				

ABSTRACT.

THIRD-CLASS Police Station-house with Tiled Roofing, Plan No. 3-A.

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. L. P.
48 C. yds.	Excavation for foundations ...			
18 "	Earthfilling in basement ...			
446 C. ft.	Concrete ...			
437 "	Brickwork in foundations ...			
285 "	Do. in basement ...			
1,089 "	Do. in superstructure ...			
10 "	Archwork ...			
23 "	Stonework in steps (if easily procured).			
64 "	Teakwood wrought and put up ...			
17 S. ft.	Iron inner doors ...			
24 "	Teak batten door with frames and fastenings ...			
25 "	Ventilators, wooden frames, and venetians with iron bars ...			
16 1/2 "	Ventilators, wooden frames, and iron bars at gable end ...			
15 "	Frames with fixed venetians in gables.			
5 L. ft.	Moulding over exterior opening ...			
4 No.	Stones under verandah posts ...			
2.05 Sqs.	Tiled roofing with pan tiles over 1 inch teak planking ...			
5 "	Tiled roofing with flat and pan tiles over teak planking ...			
2.73 "	Flooring with square tiles ...			
.86 "	Do. with jelly 6 inches thick and painting with tar and asphalt composition ...			
10.38 "	Plastering interior and washing ...			
9.68 "	Do. exterior and washing ...			
11.12 "	Painting with three coats of wood oil ..			
3.72 "	Do. with three coats of Carson's oak color ...			
1 1/2 L. ft.	Arm-rack for two rifles ...			
4 No.	Pegs for accoutrements ...			
1 "	Movable shelf for records ...			
	Contingencies at 5 per cent. ...			
	Total ...			

CHEPÁK,
9th July 1880.MADRAS,
20th July 1880.(Signed) R. F. CHISHOLM,
Consulting Architect to Government.(Signed) T. K. GUTHRIE, Major,
Asst. Inspector-General of Police,
for Inspector-General of Police.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

2nd August 1880, No. 1828 W.

Buildings and Roads.
Civil Works.

Read the following paper:—

No. 4. From R. F. CHISHOLM, Esq., Consulting Architect to Government, to the Chief Engineer, Public Works Department, Buildings and Roads Branch, dated Chepák, 21st July 1880, No. 276.

I HAVE the honor to return the plans and estimates of the alternative design for
3 Plans. first, second and third-class stations with
3 Estimates. sloped roofing countersigned by the
1 Specification. Assistant Inspector-General of Police.

No. 5. ORDER THEREON, 2nd August 1880, No. 1828 W.

THE Government approve the alternative standard designs for first, second and third-class Police stations submitted by the Consulting Architect, and direct their adoption in supersession of all previous designs for such buildings.

2. The designs will be lithographed and the specification and estimates of quantities printed and circulated for the information of the department.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.To Superintending Engineers.
" Superintendents of Works.
To the Consulting Architect.
" Judicial Department.

Exd. A. Aubert.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1880 Madras.

PUBLIC WORKS.

Dated August, 2nd.

Recd.

Encl.

G.O., 2nd Aug. 1880, No. 1828 W.

AUGUST.

Standard Designs for Police Stations.—
Directing the adoption of the alternative —
submitted by the Consulting Architect in
supersession of all previous designs for such
buildings.

14
28
Hutting and Building 1886-87.

General Department No. 711.

Chief Office of the Inspector General of Police.

Madras, 8 February 1886.

FROM

Colonel J. R. Guthrie

INSPECTOR GENERAL OF POLICE,

TO

THE

Chief Secretary
to Government
Fort Saint George

SIR,

5. Enclosures.

1. Report by the
Superintending Engineer.
1. do. Executive do.
1. Specification.
1. Bill for Compensation
for land.
1. Site Map.
1. Detailed Estimate
1. Abstract do.
1. do (duplicate)
5. Enclosures

I have the honor to forward
for sanction and for appropriate
of funds the D. P. W. plan and
estimates &c amounting to Rs 1,85
for the construction by that
Department of a Station House
and one Head and 8 Constables
huts at Saptur, Madura District.
2. This is one of the works for

which appropriation was made
and resumed in the current
year and it forms one of the
several works for which allotments
are requested in my letter N: 584
of the 2^d Instant.

3. It is reported that the site
has been secured.

I have the honor to be
Sir

Your most obedient servant

W. Cuttance Esq

Inspector General of Police

End near
me by

ack

28th 204 at 54
Nos 1828W. 2-8-80.
93W. 14.1.80.

CURRENT NO. 586
Judicial (1886) DEPARTMENT.
1219

FROM
J. S. R. Guthrie
INSPECTOR GENERAL
of Police,

No 295 C 7/13/2/86
Approved and trans-
ferred to the Public
Works Department.
By order.
By Cardew 10/2.
By. Genl. Secy.
2.86.

No. 711.
Dated 8th February 1886.
Received
No.

SUBJECT.

Forwards for sanction and
for appropriation of funds the
D. P. W. plan and estimates
for Rs 4,850 for the construction
of a Station House and huts
at Saptur, Madura
District.

No 550. MD



Report by the Superintendent
of Police Engineer VI Circle on the Esti-
mate for constructing a 2nd class
Police Station House and one Head
and 8 Constables' huts at Saptur
in Tirumangalam Taluk, Madura
District. No 4850.

Enclos 2

1 Estimate
1 Duplicate
abstract

The Estimate was cal-
culated for by Superintendent of
Police in his letter Nos 580 + 190
dated 28th June 1884 + 9th March
1885 respectively and prepared in
accordance with the standard
design sheet No 15 (2A tiled roof)
approved in G.O. No 1828 W. of
22nd August 1880 and Plan
No 2 (General design for Police
huts, burnt brick in mud +
tiled) approved in G.O. No 93 W.
of 14th January 1880.

2. The site selected is approved of both by the Collector and the Superintendent of Police. A compensation of Rs 30 is allowed in the Estimate as per land statement attached.

3. Kunkur is said to be found between 3 & 4 ft below the surface; the foundation 1 ft concrete + 3 ft masonry is considered sufficient.

4. No deviation is made from the standard design; some of the rates are higher than those prevail in the District. Considering the distance of 30 miles, the materials and skilled workmen are to be taken from there, they are approved and the Estimate is forwarded for sanction through the Superintendent of Police. Vide para 1168A of the P.W. Code.

17/4/86
5. The work may be completed within 10 months from the date of sanction and allotment of funds.

M. M. M. COLLR
Supty Engineer's Office

Supty Engineer's Office
Trichinopoly 16th Jan'y
1886

By 18. 1901/85 86

From, 1/10/99/85/86

The Superintendent
to write

To, The Supt of
Police, Maunsa

no 550 mb

Dated 16: January 1886

Enclor 2

Report on the esti-

mate for constructing
a 2nd class Police
Station House and
one Head & 8 constab-
les huts at Saptur
in Tirumangalam
Taluk, Maunsa Dist

June 538/86

4384/86

Public Works Department, 1885-86.

Current No. 219

Letter No. 2950

Dated the 13th February 1886

From the Secy to Govt - P.W.D. Dept

NOTE OF REMARKS.

1. The accompanying estimate
plan provide for constructing
a Police station house, and huts
for a Head constable and eight
constables at Saptur in the
Madurai district. — The
estimate amounts to Rs. 4,850. —
The Police station house — Rs. 2,150;
the Police huts — Rs. 2,700.
2. The proposed Police station
house is to be a Second class,
and is to be constructed in the
lines of the standard design
No. 2A approved in G.O. No. 1828 W. of
the 2nd August 80. The masonry
is to be brick in mortar, the roof
tiled. — The Police huts are
to be built in accordance with
the standard design for such
structures approved in G.O.
No. 93 W. of the 14th January 80. —
The masonry is to be burnt brick

in mud, and the roofing is
the tiled.

The rates are fixed - Rs. 30 are
the paid in compensation for
lands - The site plan and
estimate have been countersigned
by the Inspector General of
Police, and have been approved
by the Judicial Dept.

See
17/2/86

1st February/86
B/H

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 22 Feb'y/86

Read the following

From the Inspector General of Police, N.E. No. 711,
dated 8th February 1886.
End^d & placed in the Judicial Dept. N^o 2956 of 13 Feb'y 86.

The estimate
amounting to Rs. 4850,
for constructing a police
station house and ~~one~~
~~and eight~~
constables' huts at Saptin
in the Madura District,
is sanctioned.

2 The Superintending
Engineer, ~~Police~~ will
apply for funds in his
statement of demands
for 1886-87, on

20
438

on account of sanctioned
new works.

1. The sanction
accorded in para. 1
has been registered as
Provincial No. 215 W. of
1885-86, and classified
as Civil Buildings,
Original Works.

Li
18/2/86

18/4
22/2/86

21/2/86

11/11
22-2-86

Des
2/3/86

The Supy Engineer & Co. Ltd.
with 1000 envelopes.

Examine P.M. Account with
the duplicate general estimate.

2. Judicial Department.

Cu

1219,
Govt. of (1886) Madras.
PUBLIC WORKS.

Dated

From

To

G.O. 22 May 1886, No. 4384.

Police Station house
at Saplun
Madras Dist.

Let for Constable ~~man~~
Carshables huts & a
— Cautioned.

70
4

Plamp

ERC 23/2