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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

R.W DEPARTMENT

G.O. No. 3094-W Press.
~~B.P. No.~~ ~~Mis.~~

Dated 22-11-1886 ~~198~~ .

Barwy

Not to be folded or roughly handled

Archives I--10,006 I -80.

2994/1

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, 5th November 1886, No. 5638:—

I have the honor to forward, for sanction and for provision of funds, the Public Works Department estimates, &c., amounting to Rs. 4,110, for the construction of a second-class police station-house at Naduvatam, Nilgiri district.

2. The report of the Superintendent of Police, Coimbatore, that a police station-house at Naduvatam is necessary, is appended.

No. 1895 C., Judicial.

Approved, and transferred to the Public Works Department.

(By Order.)

(Signed) H. A. STUART,
Under Secy. to Government.

16th November 1886.

ORDER—dated 22nd November 1886, No. 3094 W., Public Works.

The estimate, amounting to Rs. 4,110, for constructing a second-class police station-house at Naduvatam, in the Nilgiri district, is sanctioned.

2. The work will be included in the budget for 1887-88.

3. This sanction has been registered as Provincial, No. 140 W. of 1886-87, and classified as Civil Buildings, Original Works.

(True Extract.)

Captain, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with three enclosures.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Judicial Department.
" Newspapers.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated November, 22nd.

Read. *Encl.*

G.O., 22nd Nov. 1886, No. 3094 W.

NOVEMBER.

Police Station-house

Estimate of Rs. 4,110, for constructing a second-class — at Naduvatam, in the Nilgiri district, sanctioned.

3094/2

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 Chepâk, 21st July 1880, No. 276.

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

3 Plans.
3 Estimates.
1 Specification.

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.

Read.

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.

2994/1

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′ × 1′ × 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 chock, 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" × 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.

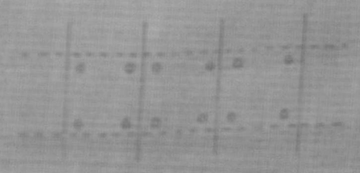
Ventilators.—Supply frame and fix two end ventilators, build the shoulders of the cills into the walls, and fasten the top by halving to the extent of 1" into the ridge and screw to the last rafter. Frame the side ventilators into the wall purlin. Frame the roof of the verandah as shown in the details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

Reepers.—Under the tiles lay reepers 2" × ½" 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



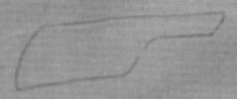
transalls four to each opening, cut in suitable positions clear of joints and of the holes for firing through. Provide strong fastenings and iron bars on the inside of each opening.

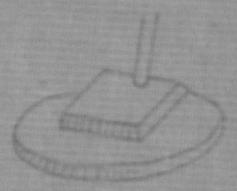
(Here specify whether the woodwork is to be painted or oiled. Painting in Carson's oak color being preferable for all wood exposed to the weather.)

Floor.

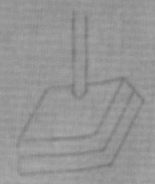
Fill in plinth with earth (specify sand if procurable), well ram the same. Put down a layer of old broken rubbish about 6" thick under the filling and bring all to an even surface for the reception of the tiles. Lay a tiled floor of 6" square tiles.

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 1¼"; provide a template the size of the tile required and cut with sloping sides.





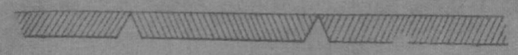
Tile uncut.



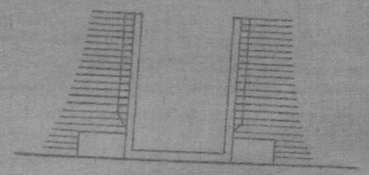
Tile cut.

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9

when laid the underside should be turned up thus:



the texture of the earth being closer will require heavier firing. Where stone is cheap it will add much to the durability of the building to curb the verandah with stone and to place stone at the bottom of all openings.



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.

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

Madras,
20th July 1880.

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

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. FT. IN.	Breadth. FT. IN.	Depth. FT. IN.	Contents.	Total.
Excavation for Foundations.						
Outer walls	...	112 0	4 0	3 0	1,344	
Partitions	2	12 3	4 0	3 0	294	
Do.	1	6 3	3 6	3 0	66	
Verandah walls	...	48 3	3 6	3 0	507	
Steps	...	11 0	3 0	1 6	50	
Cubic feet ...	...	...	...	...	2,261	
Cubic yards ...	...	...	...	...	...	84
Earth-filling in Basement.						
Guard-room	1	18 0	15 0	1 6	405	
Lock-up	1	9 0	15 0	1 6	203	
Do. and Inspector's	2	9 9	7 1½	1 6	192	
Verandah	1	37 0	6 3	1 6	347	
Cubic feet ...	...	...	...	...	1,147	
Cubic yards ...	...	...	...	...	...	43
Concrete 12 inches thick.						
Excavation 2,211 cubic feet ÷ 3 = ...	...	...	...	...	737	
Steps	1	11 0	3 0	1 0	33	
Cubic feet ...	...	...	...	...	770	
Brickwork in Foundations.						
Footings—						
Outer walls	...	112 0	2 3	1 6	378	
Partitions	2	14 0	2 3	1 6	95	
Do.	1	8 0	1 9	1 6	21	
Verandah walls	...	50 0	1 9	1 6	131	
Above footings to ground level—						
Outer walls	...	112 0	1 3	0 6	70	
Extra thickness for plinth ...	...	79 6	0 3	0 6	10	
Partitions	2	15 0	1 3	0 6	19	
Do.	1	9 0	0 9	0 6	3	
Verandah walls	...	51 0	0 9	0 6	19	
Steps	1	11 0	3 0	0 6	17	
Cubic feet ...	...	...	...	...	763	
Brickwork in Basement.						
Outer walls	...	112 0	1 3	2 0	280	
Extra thickness for plinth ...	...	79 6	0 3	2 0	40	
Partitions	2	15 0	1 3	2 0	75	
Do.	1	9 0	0 9	2 0	14	
Verandah walls	...	51 0	0 9	2 0	77	
Steps	1	11 0	3 0	0 6	17	
Do.	1	9 0	2 0	0 6	9	
Deduct stone in steps	1	7 0	1 0	0 6	4	
Cubic feet ...	...	...	...	...	...	516
	...	...	...	...	...	23
						493

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Detailed Quantities—cont.

Description of Work.	No.	Length. FT. IN.	Breadth. FT. IN.	Depth. FT. IN.	Contents.	Total.
Brickwork in Superstructure.						
Outer walls	...	112 0	1 3	10 6	1,470	
Partitions	2	15 0	1 3	10 6	394	
Gables	4	17 6	1 3	2 10½	252	
Partition	1	9 0	0 9	16 3	110	
						2,226
Deductions.						
Doors	2	3 9	1 3	6 6	61	
Do.	4	2 9	1 3	6 0	83	
Window	1	3 0	1 3	4 0	15	
Ventilators	5	4 9	1 3	1 9	52	
Do. in gables	2	3 6	1 3	2 7	23	
Archwork as per details	...	...	...	...	33	
						267
Cubic feet ...	...	...	...	...	...	1,959
Archwork.						
Segmental arches over doors	2	4 6	1 3	1 0	83	C. ft.
Do. do. do.	4	3 6	1 3	1 0		
Do. do. windows ...	1	3 6	1 3	1 0		
Stonework if easily procured.						
Steps	...	37 0	1 3	0 6	23	Do.
Teakwood.						
Verandah posts	2	0 5	0 5	8 0	3	
Do.	4	0 5	0 5	5 9	4	
Breastsummers	2	17 0	0 5	0 5½	6	
Rafters for verandah	20	10 6	0 2½	0 3½	13	
Ridge for entrance	1	9 0	0 2½	0 5	1	
Hip rafters for do.	2	12 6	0 3	0 4½	2	
Small rafters for do.	4	9 0	0 2½	0 3½		
Do. do.	4	8 0	0 2½	0 3½		
Do. do.	4	6 6	0 2½	0 3½	7	
Do. do.	2	5 0	0 2½	0 3½		
Do. do.	4	4 0	0 2½	0 3½		
Barge board for do.	2	9 8	0 8	0 4	1	
Struts for do.	2	5 0	0 2½	0 10½	2	
Cleats to secure verandah—						
Rafters to breastsummers ...	20	0 2½	0 8	1 0	3	
Truss, 15 feet span. Tie beams ...	1	17 6	0 4	0 6	3	
Principal rafters.	2	9 6	0 4	0 4	2	
Struts	2	4 9	0 3	0 3	1	
Purlins ...	2	45 0	0 4	0 5	13	
Wall purlins ...	2	45 0	0 4	0 4	10	
Ridge	1	45 0	0 2½	0 7	5	
Common rafters.	31	11 9	0 2	0 3	15	
Do. do. ...	27	10 6	0 2	0 3	12	
Do. at ends ...	4	11 9	0 3	0 3	3	
Barge boards ...	4	12 6	1 0	0 1	4	
Cubic feet ...	...	...	...	...	110	
Wrought Iron Work in Truss.						
1″ diameter king rod	1	6 9	×	2·62	17·68	
1″ hex. nut and bolt head	3	...	×	0·55	1 65	

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth	Depth.	Contents.	Total.
Wrought Iron Work in Truss—cont.		FT. IN.	FT. IN.	FT. IN.		
3 inches × 3 inches × ⅛ inch washers	3	...	×	0·32	0·96	
1¼ inches × ⅝ inch flat iron straps ...	2	2 6	×	1·87	9·35	
1¼ inches × ½ inch bearing plates ...	2	0 6	×	2·92	2·92	
⅝ inch hex. nuts for straps	4	...	×	0·06	0·24	
2 inches × 2 inches × ⅛ inch washers	4	...	×	0·14	0·56	
lbs. ...	...	...	...	...	33·36	
Inner Doors.						
Inner doors	4	2 9	...	6 0	66	S. ft.
Teak Batten Doors with Frames and Fastenings.						
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.
Moulding over exterior opening.						
Doors	2	5 0	...	...	10	
Window	1	4 6	...	...	4½	
Lineal feet ...	...	...	...	...	14½	
Stones under verandah posts 1′ × 1′ × 4′.	...	6 in number.				
Stones under truss	...	2 in number.				
Tiled Roofing with Pan Tiles over 1″ Teak Planking.						
Lock-up	2	12 6	...	12 0	320	
Do.	1	1 8	...	12 0		
Do.	1	10 10	...	10 6	114	
Square feet ...	...	...	...	...	434	
Squares ...	...	...	...	...	...	4·34
Tiled Roofing with Flat and Pan Tiles over Teak Reepers.						
Guard-room, lock-up, &c.	1	19 4	...	12 0	252	
	1	1 8	...	12 0		
	1	10 10	...	10 6		
Verandah Entrance	1	19 4	...	10 6	317	
... ...	...	33 10½	...	10 0	339	
	2	9 0	...	4 10	87	
Square feet ...	...	...	...	...	995	
Squares ...	...	...	...	...	...	9·95

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Flooring with Square Tiles.		FT. IN.	FT. IN.	FT. IN.		
Guard-room	1	15 0	...	18 0	270	
Inspector's room	1	7 1½	...	9 0	64	
Verandah	1	38 6	...	7 0	270	
Door pieces	2	3 9	...	1 3	13	
Do.	1	2 9	...	1 3		
Do.	3	2 9	...	0 7½	5	
Square feet ...	...	...	...	...	622	
Squares ...	...	...	...	...	...	6·22
Flooring with Jelly 6″ thick and painting over with a composition of 1 lb. of Asphalte to 5 lbs. of Tar.						
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
Plastering interior and washing.						
Guard-room	...	66 0	...	10 6	693	
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	
Do. partition, upper portion ...	2	9 0	...	5 9	104	
Gables	2	16 3	...	2 10½	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
Deductions.						
Doorways	2	3 9	...	6 6	49	
Do. ... ... 2 ×	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	
						249
Square feet ...	...	...	...	...	...	2,231
Squares ...	...	...	...	...	...	22·31
Plastering exterior and washing.						
Basement	...	132 6	...	2 0	265	
Superstructure	...	117 0	...	10 6	1,229	
Gables	2	17 6	...	2 10½	101	
						1,595

Detailed Quantities— cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Deductions.						
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
Painting with three Coats of Wood-oil.						
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.	27	10 6	...	0 8		
Do. at ends	4	11 9	...	0 6	24	
Planking	...	....	....	....	434	
Reepers...	...	2,488 0	...	0 3½	726	
Square feet		...	...	...	2,228	
Squares		...	...	...	...	22·28
Painting with three Coats of Carson's Oak Color.						
Doors ... ... 2 ×	2	3 9	...	6 6	98	
Do. ... ... 2 ×	4	3 9	...	6 6	132	
Window... ... ... 2 ×	1	3 0	...	4 0	24	
Ventilators with venetians and iron bars ... ... 3 ×	5	4 9	...	1 9	125	
Ventilators with iron bars ... 2 ×	2	3 6	...	2 7	36	
Frames with venetians in gables 3 ×	2	7 6	...	1 3	56	
Posts	4	1 8	...	5 5	} 62	
Do.	2	1 8	...	7 8		
Breastsummers	2	17 0	...	1 9	60	
Cleats	20	0 6	...	6 9	8	
Barge board over entrance	2	9 8	...	0 4¾	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.				

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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.			
6·95 „	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 asphalte 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 ...			

CHEPÂK,
9th July 1880.

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

MADRAS,
20th July 1880.

(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.
Excavation for Foundations.		FT. IN.	FT. IN.	FT. IN.		
Outer walls		100 0	4 0	3 0	1,200	
Partitions	2	12 3	4 0	3 0	294	
Do.	1	6 3	3 6	3 0	66	
Verandah walls		41 3	3 6	3 0	433	
Steps		11 0	3 0	1 6	50	
Cubic feet					2,043	
Cubic yards						76
Earth-filling in Basement.						
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 1½	1 6	192	
Verandah		31 0	5 9	1 6	267	
Cubic feet					932	
Cubic yards						35
Concrete 12 inches thick.						
Excavation 1,993 cubic feet ÷ 3 =					664	
Steps	1	11 0	3 0	1 0	33	
Cubic feet					697	
Brickwork in Foundations.						
Footings—						
Outer walls						
Partitions		100 0	2 3	1 6	338	
Do.	2	14 0	2 3	1 6	95	
Verandah walls	1	8 0	2 3	1 6	21	
Above footings to ground level—		43 0	1 9	1 6	113	
Outer walls						
Extra thickness for plinth		100 0	1 3	0 6	63	
Partitions		74 0	0 3	0 6	9	
Do.	2	15 0	1 3	0 6	19	
Verandah walls	1	9 0	0 9	0 6	3	
Steps		44 0	0 9	0 6	17	
	1	11 0	3 0	0 6	17	
Cubic feet					695	
Brickwork in Basement.						
Outer walls		100 0	1 3	2 0	250	
Extra thickness for plinth		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		44 0	0 9	2 0	66	
Steps	1	11 0	3 6	0 6	17	
Do.	1	9 0	2 6	0 6	9	
Do.	1	7 0	1 6	0 6	4	
					472	
Deduct stone in steps					23	
Cubic feet					449	

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Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Brickwork in Superstructure.		FT. IN.	FT. IN.	FT. IN.		
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 10½	252	
Partition	1	9 0	0 9	16 3	110	
						2,069
Deductions.						
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
Archwork.						
Segmental arches over door	1	4 6	1 3	1 0		
Do. do.	4	3 6	1 3	1 0	23	C. ft.
Do. window	1	3 6	1 3	1 0		
Stonework if easily procured.						
Steps		37 0	1 3	0 6	23	Do.
Teakwood.						
Posts	4	0 5	0 5	6 1½	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 2½	0 3½	10	
Ridge for entrance	1	8 7	0 2½	0 5	1	
Hip rafters for do.	2	11 6	0 3	0 4½	2	
Small rafters for entrance	2	8 6	0 2½	0 3½		
Do. do.	4	7 0	0 2½	0 3½		
Do. do.	4	6 0	0 2½	0 3½	6	
Do. do.	4	4 6	0 2½	0 3½		
Do. do.	4	3 6	0 2½	0 3½		
Barge board	2	9 0	0 4	0 ¾	1	
Struts for entrance	2	0 10	0 2½	5 1	2	
Cleats to secure verandah rafters to breastsummers.	18	0 2½	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 2½	0 7	5	
Common rafters	27	11 9	0 2	0 3		
Do.	23	10 6	0 2	0 3	23	
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.

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Teakwood—cont.		FT. IN.	FT. IN.	FT. IN.		
Batten window with frames and fastenings.	1	3 0	...	4 0	12	Sq. ft.
Ventilators, wooden frames and venetians with iron bars.	4	4 9	...	1 9	33¼	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′×1′×4″ ...	...	6 in number.		...	...	
Moulding over exterior openings.						
Door	1	...	...	...	5	
Window	1	...	...	...	4½	
Lineal feet ...	...	...	...	...	9½	
Tiled Roofing with Pan Tiles over 1″ Teak Planking.						
Lock-up	2	12 6	...	12 0	320	
Do.	1	1 8	...	12 0		
Do.	1	10 10	...	10 6	114	
Square feet ...	...	...	...	...	434	
Squares ...	...	...	...	...	...	4·34
Tiled Roofing with Flat and Pan Tiles over Teak Reepers.						
	1	13 4	...	12 0	180	
	1	1 8	...	12 0		
	1	10 10	...	10 6	254	
	1	13 4	...	10 6		
Verandah	...	28 4½	...	9 6	270	
Entrance	2	9 0	...	4 6	81	
Square feet ...	...	...	...	...	785	
Squares ...	...	...	...	...	...	7·85
Flooring with Square Tiles.						
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		
Do.	3	2 9	...	0 7½	5	
Square feet ...	...	...	...	...	468	
Squares ...	...	...	...	...	...	4·68

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Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Flooring with Jelly 6″ thick and Painting over with a composition of 1 lb. Asphalte to 5 lb. of Tar.		FT. IN.	FT. IN.	FT. IN.		
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
Plastering interior and washing.						
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
Deductions.						
Doorway ... ... 2 ×	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	
						215
Square feet ...	...	...	...	...	...	2,102
Squares ...	...	...	...	...	...	21·02
Plastering exterior and washing.						
Basement		119 6	...	2 0	239	
Superstructure		105 0	...	10 6	1,103	
Gables	2	17 6	...	2 10½	101	
						1,443
Deductions.						
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	
						83
Square feet ...	...	...	...	...	...	1,360
Squares ...	...	...	...	...	...	13·60

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Painting Roof with three coats of Wood oil.						
Rafters for verandah	16	10 0	...	0 9¼	127	
Ridge for entrance	1	8 7	...	1 ¼	9	
Hip rafters for do.	2	11 6	...	1 0	23	
Small rafters for do.	...	161 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		
Planking	4	11 9	...	0 6	24	
Reepers	...	...	...	...	434	
... ...	...	1,945 0	...	0 3½	567	
Square feet ...	...	...	...	...	1,846	
Squares ...	...	...	...	...	...	18·46
Painting with three coats of Carson's Oak color.						
Doors ... ... 2 ×	1	3 9	...	6 6	49	
Do. ... ... 2 ×	4	2 9	...	6 0	132	
Ventilators with venetians and iron bars ... ... 2 ×	1	3 0	...	4 0	24	
Do. with iron bars ... 3 ×	...	4 9	...	1 9	100	
Frames with venetians in gables 2 ×	2	3 6	...	2 7	36	
Posts ... ... 3 ×	2	7 6	...	1 3	56	
Do.	4	1 8	...	5 9	} 64	
Breastsummers	2	1 8	...	7 9		
Cleats	2	14 0	...	1 8	47	
Barge board over entrance	18	0 6	...	0 9	7	
Struts	2	9 0	...	0 4¾	7	
Barge board in gables	2	4 0	...	1 0	8	
	4	12 6	...	1 0	50	
Square feet ...	...	...	...	...	580	
Squares ...	...	...	...	...	...	5·80
Arm-rack for four rifles	2¾ lineal feet.					
Pegs for accoutrements	6 in number.					
Movable shelf for Inspector's room	1 in number.					

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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. ...			
33¼ „	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 asphalte 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.			
2¾ 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 ...	...	...	...

CHEPÂK,
9th July 1880.

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

MADRAS,
20th July 1880.

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

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents	Total.
		FT. IN.	FT. IN.	FT. IN.		
Painting Roof with three coats of Wood oil.						
Rafters for verandah	16	10 0	...	0 9¼	127	
Ridge for entrance	1	8 7	...	1 ¼	9	
Hip rafters for do.	2	11 6	...	1 0	23	
Small rafters for do.	...	161 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		
Planking	4	11 9	...	0 6	24	
Reepers	...	...	...	...	434	
	...	1,945 0	...	0 3½	567	
Square feet ...	...	...	...	...	1,846	18·46
Squares ...	...	...	...	...	...	
Painting with three coats of Carson's Oak color.						
Doors	2 ×	1	3 9	...	6 6	49
Do.	2 ×	4	2 9	...	6 0	132
Ventilators with venetians and iron bars	2 ×	1	3 0	...	4 0	24
Do. with iron bars ...	3 ×	...	4 9	...	1 9	100
Frames with venetians in gables	2 ×	2	3 6	...	2 7	36
Posts	3 ×	2	7 6	...	1 3	56
Do.		4	1 8	...	5 9	64
Breastsummers		2	1 8	...	7 9	
Cleats		2	14 0	...	1 8	47
Barge board over entrance		18	0 6	...	0 9	7
Struts		2	9 0	...	0 4½	7
Barge board in gables		2	4 0	...	1 0	8
		4	12 6	...	1 0	50
Square feet ...						
Squares ...	...	...	...	...	580	5·80
Arm-rack for four rifles	...	...	2¾ lineal feet.			
Pegs for accoutrements	...	...	6 in number.			
Movable shelf for Inspector's room ...	...	...	1 in number.			

3094/10

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. ...			
33¼ „	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 asphalte 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.			
2¾ 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 ...	...	...	...

CHEPÂK,
9th July 1880.

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

MADRAS,
20th July 1880.

(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.
		FT. IN.	FT. IN.	FT. IN.		
Excavation for Foundations.						
Outer walls	...	69 6	4 0	3 0	945	
Partition	1	9 3	4 0	3 0	294	
Verandah walls	...	28 0	3 6	3 0	50	
Steps	1	11 0	3 0	1 6		
Cubic feet ...	...	...	...	...	1,289	
Cubic yards ...	...	...	...	...	...	48
Earthfilling in Basement.						
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
Concrete 12 inches thick.						
Excavation 1,239 cubic feet ÷ 3 = ...	...	...	...	...	413	
Steps	1	11 0	3 0	1 0	33	
Cubic feet ...	...	...	...	...	446	
Brickwork in Foundations Footings.						
Outer wall	...	69 6	2 3	1 6	272	
Partition	1	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	
Brickwork in Basement.						
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	
Deduct stone in steps	...	...	...	...	23	
Cubic feet ...	...	...	...	...	285	
Brickwork in Superstructure.						
Outer walls	...	69 6	1 3	10 6	1,070	
Partition	1	12 0	1 3	10 6	131	
Gables	3	14 6	1 3	2 5		1,201

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Deductions.		FT. IN.	FT. IN.	FT. IN.		
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
Archwork.						
Segmental arch over door	1	4 6	1 3	1 0	10	C. ft.
Do. do.	1	3 6	1 3	1 0		
Stonework if easily procured.						
Steps	...	37 0	1 3	0 6	23	Do.
Teakwood.						
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	6	
Do.	2	4 6	0 2½	0 3½		
Do.	4	3 6	0 2½	0 3½		
Barge board for do.	2	8 9	0 4	0 ¾	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.
Mouldings over exterior openings.						
Door	...	...	...	...	5	L. ft.
Stones under verandah posts 1′ × 1′ × 4″ ...	4 in number.					

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Tiled Roofing with Pan Tiles over 1 inch Teak Planking.		FT. IN.	FT. IN.	FT. IN.		
Lock-up	...	10 6	...	10 6	128	
Do.	...	1 8	...	10 6		
Do.	...	8 10	...	8 9	77	
Square feet ...	...	...	...	...	205	
Squares ..	...	...	...	...	...	2·05
Tiled Roofing with Flat and Pan Tiles over Teak Reepers.						
Guard room	...	15 7	...	10 6	181	
Do.	...	1 8	...	10 6		
Do.	...	13 11	...	8 9	122	
Verandah	...	16 4½	...	8 0	131	
Do. over entrance	2	7 3	...	4 4½	63	
Square feet ...	...	...	...	...	497	
Squares ...	...	...	...	...	...	5
Flooring with Square Tiles.						
Guard room	1	12 0	...	12 0	144	
Verandah	1	20 3	...	6 0	122	
Door piece	1	3 9	...	1 3	5	
Do.	1	2 9	...	0 7½	2	
Square feet ...	...	...	...	...	273	
Squares ...	...	...	...	...	...	2·73
Flooring with jelly 6" thick and painting over with a composition of 1 lb. asphalte to 5 lb. of tar.						
Lock-up	1	7 0	...	12 0	84	
Door piece	1	2 9	...	0 7½	2	
Square feet ...	...	...	...	...	86	
Squares ...	...	...	...	...	...	·86
Plastering interior and washing.						
Guard room						
Lock-up	...	48 0	...	10 6	504	
Gables	...	38 0	...	10 6	399	
Door jambs	4	14 6	...	2 5	140	
Do.	1	17 0	...	1 3		
Ventilator jambs	1	15 6	...	1 3	88	
Do.	3	8 3	...	1 3		
... ...	2	7 0	...	1 3		
						1,131
Deductions.						
Door	1	3 9	...	6 6	24	
Do.	1	2 9	...	6 0	33	
Ventilators	3	4 9	...	1 9	25	
Do.	2	3 6	...	1 6	11	
						93
Square feet ...	...	...	...	...	...	1,038
Squares ...	...	...	...	...	...	10·38

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Plastering exterior and washing.		FT. IN.	FT. IN.	FT. IN.		
Basement	...	88 0	...	2 0	176	
Superstructure	...	74 6	...	10 6	782	
Gables	2	14 6	...	2 5	70	1,028
Deductions.						
Door	1	3 9	...	6 6	24	
Ventilators	3	4 9	...	1 9	25	
Do.	2	3 6	...	1 6	11	
						60
Square feet ...	...	...	...	...	...	968
Squares ..	...	...	...	...	...	9·68
Painting with three coats of wood oil.						
Rafters for verandah	8	9 6	...	0 9½	60	
Ridge for entrance	1	8 3	...	1 ½	9	
Hip rafters for do.	2	11 0	...	1 0	22	
Small do. do.	...	91 0	...	0 9½	72	
Purlins over guard room	2	15 7	...	1 5	44	
Do. over lock-up	2	10 4	...	1 2	24	
Wall purlins	2	26 1	...	1 0	52	
Ridge	1	26 1	...	1 2½	32	
Common rafters	19	9 10	...	0 8	207	
Do.	15	8 3	...	0 8		
Do.	4	9 10	...	0 6	20	
Planking	...	...	...	...	205	
Reepers	...	1,250 0	...	0 3½	365	
Square feet ...	...	...	...	...	1,112	
Squares ...	...	...	...	...	...	11·12
Painting with three coats of Carson's Oak color.						
Posts	2	6 0	...	1 8	72	
Do.	2	7 9	...	1 8		
Breastsummers	2	7 10	...	1 8		
Barge board for entrance	2	8 9	...	0 4½	7	
Struts	2	5 0	...	1 0	10	
Cleats	8	0 6	...	0 9	3	
Barge board	4	10 7	...	1 1	46	
Door ... ... 2 ×	1	3 9	...	6 6	49	
Do. ... ... 2 ×	1	2 9	...	6 0	33	
Ventilators with venetians ... 3 ×	3	4 9	...	1 9	75	
Do. with iron bars ... 2 ×	2	3 6	...	2 4	33	
Frames with fixed venetians ... 3 ×	2	6 6	...	1 1½	44	
Square feet ...	...	...	...	...	372	
Squares ...	...	...	...	...	...	3·72
Arm-rack for two rifles ...	1½ lineal feet.					
Pegs for accoutrements ...	4 in number.					
Movable shelf for records ...	1 in number.					

ABSTRACT.

Third-class Police Station-house with Tiled Roofing, Plan No. 3-A.

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. A. 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			
16⅓ „	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 asphalte 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			
1½ L. ft.	Arm-rack for two rifles			
4 No.	Pegs for accoutrements			
1 „	Movable shelf for records			
	Contingencies at 5 per cent.			
	Total ...			

Chepâk,
9th July 1880.

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

Madras,
20th July 1880.

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

Hutting and Building
Genl. Deptt:

CURRENT NO. 4196

No. 5638

2094/13

Chief Office of the Inspector General of Police,

Madras, 5th November 1886.

From

Colonel T. K. Guthrie

Inspector General of Police,

To

The Chief Secretary,
to Government,
Fort St. George.

Sir,

Enclosures. 5.

1. Estimate
1. Abstract Estimate.
1. Report
1. Site Plan
1. Letter from the Supdt. of Police, Coimbatore No. 742 dated 2d Instant.

5.

I have the honor to forward for sanction and for provision of funds the D. P. W. Estimates &ca amounting to Rs 4110 for the construction of a 2d Class Police Station House at Neduvattam, Nilgiri District.

2. The report of the Superintendent of Police, Coimbatore that a Police Station House at Neduvattam is necessary is appended.

I have the honor to be,
Sir,
Your most obedt. Servt.,

[signature] Guthrie Col:
Inspector General of Police

Geo.
[illegible]

Jud 11-10-86: 2718 bis
1828 W 2-8-80.

CURRENT NO. 4196

Judicial (1886) DEPARTMENT.

SECRETARY TO GOVT. MADRAS P.W. DEPARTMENT 17 NOV 86

FROM Col: J. K. Guthrie
INSPECTOR GENERAL
of Police,

No. 1895 C d/16-11-86.

Approved & trans-
-ferred to the Public
Works Department
(By order)
H A Stuart
Under Secretary to Govt.

No. 5638

Dated 5th } November 1886
Received 8th }

No.

CHIEF SECRETARY 8 NOV 86

SUBJECT.

Forwards for Sanction the
D.P.W. Estimate &c. for Rs. 4110 --
for the construction of a 2nd Class -
Station House at Neduvattam -
Nilgiri District.

Endorsed.

R. 15.11

30944 W / 3-12/86

Public Works Department.

Current No. 5986

Letter No. 1895 C

Dated the 16th November 86

From the Secy. to Govt. - Judicial Dept.

NOTE OF REMARKS.

1. The accompanying estimate with site plan, provides for constructing a 2nd class police station house at Naduvatam in the Nilgiri district. - The estimate amounts to Rs. 4,110.

2. The proposed police station is to be built on the lines of the standard design No. 2A sanctioned in G. O. No. 1828 W of the 3rd August/80. Owing to the nature of the soil at site the depth to be allowed to foundations is 4 feet. - The foundation and basement of the station are to be of brick-in-mortar, and the superstructure, of brick-in-mud. The archwork is to be of brick-in-mortar, and no doubt also, though not so stated, the masonry in immediate contact with woodwork is to be of brick-in-mortar. The roofing is to be of Mangalore tiles laid

... in mud side do

District Police Office
Coimbatore 2nd November 1886.

Superintendent of Police
Coimbatore

Inspector General of Police
Madras

... Reference to your Memo
... October 1886 forwarding
...18 dated 11th October 1886
... to State that a Police
...s long been urgently ...
...uvattum and more so now
...said Assistant Magistrate
...s also the Sub Magistrate
...ng the hot unhealthy season
...yond a period of 4 months
... at Neduvuttum, At
... large number of Prisoners
...them and there is no place
to

Jud 11-10-86 : 27/18 [illegible]
1828 w 2-8-80.

[illegible]
17-11-86

Secretary to Government [illegible] Department
17 NOV 86

No. 1895 C d/16-11-86.

Approved & transferred to the Public Works Department

(By order)

H A Stuart
Under Secretary to Govt.

R 15-11

---

a corrugated iron sheeting supported on teak rafters. The flooring is to be of concrete, 6 inches thick, plastered on the surface. The concrete flooring of the lock-up however is to be coated with asphalte ½ inch thick.

3. The rates are high, but still are in fair accord with those set down in the sanctioned schedule of rates as now obtaining in the Nilgiri Division.

4. The site plan and estimate are countersigned by the Inspector General of Police. The proposed work is approved in the judicial department.

G.H.
16/11/86

Police Station at Neduvattum
Rs 4110

3096/16

The cost of a similar building in Madras would be about 2000 Rs but the ~~[illegible]~~ rates for labour & materials are so very ~~[illegible]~~ high on the Nilgiris that the estimate of Rs 4110 is not excessive.

Considering the class of work that is going to be put into the building it would be advisable to build the superstructure of "brick in mortar" & not of "brick in mud". This would increase the estimate by 450 Rs but it would be economy in my opinion to do so.

[signature]
18.11.86

Estimate may be sanctioned. [illegible] no objection [illegible] Station : to brick in mud [illegible]

[illegible]

No. 742

4 NOV 86

District Police Office 3096/17
Coimbatore 2nd November 1886.

Superintendent of Police
Coimbatore

Inspector General of Police
Madras

With reference to your Memo [illegible] 27th October 1886 forwarding [illegible] 27/18 dated 11th October 1886 [illegible] have to State that a Police [illegible] has long been urgently [illegible] Neduvattum and more so now [illegible] Head Assistant Magistrate [illegible] as also the Sub Magistrate [illegible] during the hot unhealthy season [illegible] Wynaad a period of 4 months [illegible] at Neduvattum. At [illegible] a large number of Prisoners [illegible] them and there is no place to

Jud 11-10-86. 27/18 ms
1828 P.W. 2-8-80.

+ not Comd to P.W.D.
17-11-86

p. 2

SECRETARY TO GOVT. REVENUE &c. DEPARTMENT
17 NOV 86

No. 1895 C d/16-11-86.

Approved & transferred to the Public Works Department

(By order)

(Sd) H A Stuart
Under Secretary to Govt.

R. 15-11

No. 742

4 NOV 86

30^{th} / 17

District Police Office
Coimbatore 2nd November 1886.

From

The Superintendent of Police
Coimbatore

To.

The Inspector General of Police
Madras

Sir

With reference to your memo No. 5447 dated 27th October 1886 forwarding Copy of G. O. No. 27/18 dated 11th October 1886 I have the honor to State that a Police Station House has long been urgently required at Neduvuttum and more so now than ever. The Head Assistant Magistrate Nilgiri District as also the Sub Magistrate of Goodalore during the hot unhealthy season in South East Wynad a period of 4 Months hold their Courts at Neduvuttum; At different times a large number of Prisoners appear before them and there is no place

+ not Comd to P.W.D. 17-11-86

to

to Secure the Prisoners in and they have
to be taken down to Goodalore again. It
was only last year in May when I was
there that a Dacoity Case was under trial
8 Prisoners; these men had to be marched
up the ghât from Goodalore in the
morning a distance of 9 miles and back
again the same distance in the evening altogether
18 miles besides the Sudden Change of Climate
being very trying; and the Inspector of Police
finding no accommodation or any place to
do his work in at Nedumuttum had to return
to Goodalore Several times in pouring rain.
The Inspector of Police at Ooty also by the
Head Asst. Magte having Cases transferred
to his Court for trial has often to Come to
Nedumuttum besides his visits for inspection
purposes. and there is no Accommodation
whatever for him or any place that he can
do his work in. The Police Inspectors of
these places have to be Europeans or Eurasians

and

and any accommodation available is very
Expensive which they cannot Stand and
often no accommodation or a place to do their
work in can be obtained. Knowing this the late
Inspector General of Police Col. Stearn instruct-
-ed me when Sending in Estimates for Wynâd
or Nilgherries to See that there was accommo-
-dation for the Inspector of Police and a room
he Could do his work in, and I have borne
this in mind and Carried it out in all Stations
built in my time in Wynâd and on the Nilgiris.
I thought of a first Class Police Station for
Nedumuttum, only the rates of building are
So high in these places and as it might
be Considered Expensive I Substituted
a 2nd Class Police Station which also
allows Accommodation and a Small
room for the Police Inspector to do
his work in and this is required

at

at Nedirvuttum & the work should be carried at once –

I have the honor to be
Sir
Your Most Obedient Servant.

H. W. Blair Lt. Col.
Superintendent of Police

HB
Mr

3094/19

J4196/86/5 0/1097

Judicial DEPARTMENT.

ENCLOSURE 8 5.

In a letter from the Inspector General of Police, dated Madras 5th November 1886 No. 5638

3994/20

B&C works

PUBLIC WORKS DEPARTMENT.

A/

No. 3994

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Inspector General of Police. M. E. No. 5638 d/5th November 1886.
Rendorsement by the Judicial Deptt. M. E. No. 1895C d/16th November 1886.

3 The estimate amounting to Rs. 4,110, for constructing a second class police station house at Naduvatam in the Nilgiri District is sanctioned.

2. The work will be included in the budget for 1887-88.

3. This sanction has been registered as Provincial No. 140 W of 1886-87, and classified as Civil Buildings, Original Works.

D 1/12/86

To
The Supdg. Engr. IV Circle with 3 copies.
" Examiner of P. W. Accts with the duplicate abstract estimate
" Judicial Department
" Newspapers.

22.11.86

23/11/86.

W 30/11

2094
21

8,985

Govt. of (1886) Madras.

PUBLIC WORKS.

23/11/86

Dated

66

Recd. Encl.

G.O., 22nd Novr 1886, No. 3094W

Police station house

Estimate of Rs 4,110 for constructing a Second class — at Naduvatam in the Nilgiri District, sanctioned.

80/4

28/11 23/11