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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D DEPARTMENT

G.O. No. / B.P. No:	943. W.	Press. / Mis.
Dated	28.3.1887	19 .

Not to be folded or roughly handled

Archives I--10,006 I -80.

943/1

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, 9th March 1887, No. 1045 :—

I have the honor to forward, for sanction, Public Works Department site plan and estimate, for Rs. 2,260, for the construction, on the standard design, of a second-class police station-house at Vallam, Tanjore district.

Approved, and transferred to the Public Works Department.

(By Order.)

(Signed) H. A. STUART,
Under Secretary.

23rd March 1887.

ORDER—dated 28th March 1887, No. 943 W., Public Works.

The estimate, amounting to Rs. 2,260, for constructing a second-class police station-house at Vallam, in the Tanjore district, is sanctioned, for execution when funds are available.

2. This sanction has been registered as Provincial, No. 200 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, VI Circle, with two enclosures.
" Examiner, Public Works Accounts, with the abstract estimate for note and return to Superintending Engineer, VI Circle.
" Judicial Department.
" Newspapers.

Exd. E. Fernandez
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1887 Madras.

PUBLIC WORKS.

Dated March, 28th.

Read. *Encl.*

G.O., 28th March 1887, No. 943 W.

MARCH.

Police Station-house at Vallam

Estimate of Rs. 2,260, for constructing a second-class —, in the Tanjore district, sanctioned.

943/2

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.

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 supersession of all previous designs for su buildings.

PA3/3

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 [illegible] 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" × ¼" 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



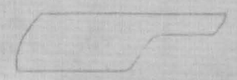
trenails four to each crossing, cut in suitable positions clear of joints and of the holes for firing through. Provide strong fastenings and iron bars on the inside of each opening.

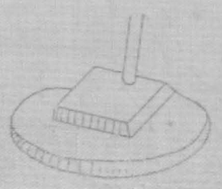
(Here specify whether the woodwork is to be painted or oiled. Painting in Carson's oak color being preferable for all wood exposed to the weather.)

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





Tile uncut.



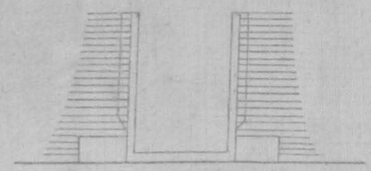
Tile cut.

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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 0	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 6	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	
Do.	1	7 0	1 0	0 6	4	
						516
Deduct stone in steps	...	...	...	...	...	23
Cubic feet ...	...	...	...	...	...	493

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	33	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	4	0 5	0 5	5 9	4	
Do.	4	0 5	0 5	5 0	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	7	
Do. do.	4	8 0	0 2½	0 3½		
Do. do.	4	6 6	0 2½	0 3½		
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 2½	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	
Truss, 15 feet span.— Principal rafters.	2	9 6	0 4	0 4	2	
Truss, 15 feet span.— 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 × ¼ 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	317	
Verandah	1	19 4	...	10 6	339	
Entrance	...	33 10½	...	10 0	87	
	2	9 0	...	4 10		
Square feet ...	...	...	...	...	995	
Squares ...	...	...	...	...	...	9·95

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Flooring with Square Tiles.						
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.						
	1	15 0	...	9 0	135	
Lock-up	1	7 1½	...	9 0	64	
Do.	3	2 9	...	0 7½	5	
Door pieces					204	
Square feet ...	...	...	...	...	...	
Squares ...	...	...	...	...	...	2·04
Plastering interior and washing.						
	...	66 0	...	10 6	693	
Guard-room	2	17 6	...	2 10½	101	
Gables	2	32 3	...	10 6	504	
Lock-up and Inspector's room ...	2	9 0	...	5 9	104	
Do. partition, upper portion ...	2	16 3	...	2 10½	93	
Gables	2	17 0	...	1 3	43	
Door jambs	4	15 0	...	1 3	75	
Do.	1	14 0	...	1 3	18	
Window jambs	5	8 3	...	1 3	52	
Ventilator do.	2	7 6	...		19	
Do. do.						2,480
Deductions.						
Doorways ... ... 2 ×	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	
						249
Square feet ...	...	...	...	...	...	2,231
Squares ...	...	...	...	...	...	22·31
Plastering exterior and washing.						
	...	132 6	...	2 0	265	
Basement	...	117 0	...	10 6	1,229	
Superstructure	2	17 6	...	2 10½	101	
Gables						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	6 0	...	1 1	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	434	
Do. at ends	4	11 9	...	...	24	
Planking	...	...	...	0 3½	726	
Reepers	...	2,488 0	...			
					2,228	
Square feet		...	...	...	...	22·28
Squares		...	...	...	...	
Painting with three Coats of Carson's Oak Color.						
Doors ... ... 2 ×	2	3 9	...	6 6	98	
Do. ... ... 2 ×	4	2 9	...	6 0	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	60	
Breastsummers	2	17 0	...	1 9	8	
Cleats	20	0 6	...	0 9	8	
Barge board over entrance	2	9 8	...	0 4½	3	
Struts for do.	2	4 0	...	1 0	50	
Barge board in gables	4	12 6	...	1 0		
					667	
Square feet		...	...	...	...	6·67
Squares		...	...	...	...	
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 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.
		FT. IN.	FT. IN.	FT. IN.		
Excavation for Foundations.						
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	...	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	...	43 0	1 9	1 6	113	
Above footings to ground level—						
Outer walls	...	100 0	1 3	0 6	63	
Extra thickness for plinth ...	...	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	...	44 0	0 9	0 6	17	
Steps	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 0	0 6	17	
Do.	1	9 0	2 0	0 6	9	
Do.	1	7 0	1 0	0 6	4	
					472	
Deduct stone in steps	...	...	...	...	23	
Cubic feet ...	...	...	...	...	449	

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Brickwork in Superstructure.						
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	28	C. ft.
Do. do.	4	3 6	1 3	1 0		
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 8/4	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	
	2	38 6	0 4	0 4	9	
Wall purlins	1	38 6	0 2½	0 7	5	
Ridge	27	11 9	0 2	0 3	23	
Common rafters	23	10 6	0 2	0 3		
Do.	4	11 9	0 3	0 3	3	
Common rafters at ends	4	12 6	1 0	0 1	4	
Barge boards						
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.
		FT. IN.	FT. IN.	FT. IN.		
Teakwood—cont.						
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	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.
		FT. IN.	FT. IN.	FT. IN.		
Flooring with Jelly 6" thick and Painting over with a composition of 1 lb. Asphalte to 5 lb. of Tar.						
	1	15 0	...	9 0	135	
Lock-up	1	7 1½	...	9 0	64	
Do.	3	2 9	...	0 7½	5	
Door pieces					204	
Square feet ...	...	...	...	...	...	2·04
Squares ...	...	...	...	...		
Plastering interior and washing.						
	...	54 0	...	10 6	567	
Guard room	2	17 6	...	2 10½	101	
Gables	...	48 0	...	10 6	504	
Lock-up	2	17 6	...	2 10½	101	
Gables	2	32 3	...	10 6	677	
Lock-up and Inspector's room ...	2	9 0	...	5 9	104	
Partition, upper portion	2	16 3	...	2 10½	93	
Gables	1	17 0	..	1 3	21	
Door jambs	4	15 0	...	1 3	75	
Do.	1	11 0	...	1 3	14	
Window jambs	4	8 3	...	1 3	41	
Ventilator	2	7 6	...	1 3	19	
Do.						2,317
Deductions.						
	1	3 9	...	6 6	24	
Doorway ... ... 2 ×	4	2 9	...	4 0	12	
Do.	1	3 0	...	1 9	33	
Window	4	4 9	...	2 0	14	
Ventilators	2	3 6	...			215
Do.						2,102
Square feet ...	...	...	...	...	...	21·02
Squares ...	...	...	...	...		
Plastering exterior and washing.						
	...	119 6	...	2 0	239	
Basement	...	105 0	...	10 6	1,103	
Superstructure	2	17 6	...	2 10½	101	
Gables						1,443
Deductions.						
	1	3 9	...	6 6	24	
Doors	1	3 0	...	4 0	12	
Window	4	4 9	...	1 9	33	
Ventilators	2	3 6	...	2 0	14	
Do.						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 9½	127	
Ridge for entrance	1	8 7	...	1 ½	9	
Hip rafters for do.	2	11 6	...	1 0	23	
Small rafters for do.	...	101 0	...	0 9½	80	
Purlins	2	12 0	...	1 5	34	
Do.	4	10 8	...	1 2	59	
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		
Do.	4	11 9	...	0 6	24	
Planking	...	...	...	...	434	
Reepers	...	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	
Window ... ... 2 ×	1	3 0	...	4 0	24	
Ventilators with venetians and iron bars ... ... 3 ×	...	4 9	...	1 9	160	
Do. 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 9	64	
Do.	2	1 8	...	7 9		
Breastsummers	2	14 0	...	1 8	47	
Cleats	18	0 6	...	0 9	7	
Barge board over entrance	2	9 0	...	0 4¾	7	
Struts	2	4 0	...	1 0	8	
Barge board in gables	4	12 6	...	1 0	50	
Square feet ...	...	...	...	...	580	5·80
Squares ...	...	...	...	...	...	
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.			
	Do. window do. ...			
12 „	Ventilators, wooden frames, and venetians with iron bars.			
33¼ „	Ventilators, wooden frames and iron bars for gable ends.			
18 „	Frames with fixed venetians for do. do.			
19 „	Stones under posts			
6 No.	Moulding over exterior openings.			
9½ L. ft.	Tiled roofing with pan tiles over one inch teak planking for lock-up.			
4·34 Sqs.	Tiled roofing with flat and pan tiles and teak reepers.			
7·85 „	Flooring with square tiles ...			
4·68 „	Do. lock-up with jelly six inches thick and painting over with tar and asphalte composition			
2·04 „	Plastering and washing interior...			
21·02 „	Do. do. exterior...			
13·60 „	Painting roof with three coats of wood-oil.			
18·46 „	Do. doors and windows and exposed wood work with three coats of Carson's oak color.			
5·80 „	Arm-rack for four rifles			
2¾ L. ft.	Pegs for accoutrements ...			
6 No.	Movable shelf for Inspector's room.			
1 „				
	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 9½	127	
Ridge for entrance	1	8 7	...	1 ½	9	
Hip rafters for do.	2	11 6	...	1 0	23	
Small rafters for do.	...	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	
Planking	4	11 9	...	0 6	434	
Reepers	...	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	
Window ... ... 2 ×	1	3 0	...	4 0	24	
Ventilators with venetians and iron bars ... ... 3 ×	...	4 9	...	1 9	160	
Do. 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 9	64	
Do.	2	1 8	...	7 9	47	
Breastsummers	2	14 0	...	1 8	7	
Cleats	18	0 6	...	0 9	7	
Barge board over entrance	2	9 0	...	0 4¾	8	
Struts	2	4 9	...	1 0	50	
Barge board in gables	4	12 6	...	1 0		
Square feet ...	...	...	...	...	580	5·80
Squares ...	...	...	...	...	...	
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			
	Plastering and washing interior ...			
21·02 „	Do. do. exterior ...			
13·60 „	Painting roof with three coats of wood-oil.			
18·46 „	Do. doors and windows and exposed wood work with three coats of Carson's oak color.			
5·80 „	Arm-rack for four rifles			
2¾ L. ft.	Pegs for accoutrements ...			
6 No.	Movable shelf for Inspector's room.			
1 „				
	Rupees ...	...	...	...
	Contingencies at 5 per cent ...	...	...	...
	Total ...	...	...	...

CHEPÁK,
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		
Verandah walls	...	29 9	1 9	1 6	78	
Above footings to ground level—						
Outer walls	...	69 6	1 3	0 6	51	
Partition	1	12 0	1 3	0 6		
Extra thickness for plinth ...	...	55 3	0 3	0 6	7	
Verandah walls	...	30 9	0 9	0 6	12	
Steps	1	11 0	3 0	0 6	17	
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 6	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		
Gables	3	14 6	1 3	2 5	131	
						1,331

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Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Deductions.						
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 3⅜	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 3⅜		
Do.	4	7 0	0 2½	0 3½		
Do.	4	6 0	0 2½	0 3½	6	
Do.	2	4 6	0 2½	0 3⅜		
Do.	4	3 6	0 2½	0 3½		
Do.	2	8 9	0 4	0 5	1	
Barge board for do.	2	5 0	0 2½	0 10	2	
Struts	2	2 0	0 4	1 0	1	
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.
		FT. IN.	FT. IN.	FT. IN.		
Tiled Roofing with Pan Tiles over 1 inch Teak Planking.						
Lock-up	...	10 6	...	10 6	128	
Do.	...	1 8	...	10 6		
Do.	...	8 10	...	8 9	77	
					205	
Square feet ...	...	...	...	...		
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	
					497	
Square feet ...	...	...	...	...		
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	
					273	
Square feet ...	...	...	...	...		
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	
					86	
Square feet ...	...	...	...	...		
Squares ...	...	...	...	...	...	·86
Plastering interior and washing.						
Guard room	...	48 0	...	10 6	504	
Lock-up	...	38 0	...	10 6	399	
Gables	4	14 6	...	2 5	140	
Door jambs	1	17 0	...	1 3		
Do.	1	15 0	...	1 3	88	
Ventilator jambs	3	8 3	...	1 3		
Do.	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	
					1,038	
Square feet ...	...	...	...	...	...	
Squares ...	...	...	...	...	...	10·38

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Plastering exterior and washing.						
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 ¼	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	
					1,112	
Square feet ...	...	...	...	...	...	
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 4¾	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 1¼	44	
					372	
Square feet ...	...	...	...	...	...	
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. Rs. A. P.	Per	Amount. 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			
16½ „	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.

Settling and Printing
Genl: Deptt:

CURRENT NO. 1130

No. 1045.

Chief Office of the Inspector General of Police,

Madras, 9th March 1887.

FROM

Colonel T. K. Guthrie, 9/3/87

INSPECTOR GENERAL OF POLICE,

To

THE Chief Secretary to Government,

Fort St. George.

SIR,

4 *Enclosures.*

1. Site plan ——— 1
1. Abstract-Estimate
1 Report of the Ex: Engr
1 ——— do ——— Supg: Engr
4.

I have the honor to forward for sanction a P. W. Site plan and estimate for Rupees 2260 for the construction on the Standard design of a 2nd Class Police Station House at Vallam, Tanjore District.

I have the honor to be,
Sir,
Your most Obdt: Servt,

T. K. Guthrie Col.
Inspector General of Police.

10

PBB
14

P.W.C. No. 2447/87 NO. 1136

1828 W 2-8-80.

Judicial (1887) DEPARTMENT.

FROM Col: J. K. Guthrie

INSPECTOR GENERAL

of Police,

Mme. D/ 23 March /87

Approved & transferred to the P. W. Department.

By order

H. A. Stuart.

Under Secretary

No. 1045.

Dated 9th } March 1887.
Received [illegible] }

24-3-87

No.

Enclosure 4 (+ 1 plan)

SUBJECT.

Forwards for sanction D. P. W. plan and estimate &c. for Rs. 2260 for the construction of a 2nd Class Station House at Vallam, Tanjore Distt.

C. 18/3

R. 21/3.

Public Works Department.

Current No. 943/7 2418

Letter No. 1136

Dated the 23rd March /87

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 Vallam in the Tanjore district. The estimate amounts to Rs. 2260.

2. The proposed police station is to be built on the lines of the standard design for such structures sanctioned in G. O. No. 1828 W. of the 2nd August /80. 3. The foundation is to consist of masonry 5 feet deep resting on a concrete sub-stratum 1 foot thick. The masonry throughout the structure is to be laterite stone in mortar. The flooring is to consist of a Portland cement concrete coating, 2½ inches thick spread over a bed of ordinary mortar-concrete, 3½ inches thick, in preference to square tiles over a concrete bed. The pent roof is to be covered with flat

and pan tiles, except the lock-up which is to be roofed in with a teak ceiling and pan tiles.

3. While 5 per cent is charged for 'contingencies' and 3 per cent for 'petty supervision' Rs. 15 are allowed for scaffolding. – the other rates are fair. – Rs 154 must be paid as 'compensation for land'.

4. The estimate and site plan are countersigned by the Inspector General of Police, and are approved in the Judicial Department.

The plan & Est. may be sanctioned
[illegible]
26-3-87

[illegible]
26/3/87

B

943 W

No. 1977. I. I Trichinopoly 28/2/87.
D/28/2

Report by the Executive Engineer in charge of the 6th Circle on the Estimate amounting to Rs. 2260. for constructing a second Class Police Station at Vallam in Tanjore Dt.

Encl. 2
1 Estimate
1 Site plan.

The Estimate was called for by the Superintendent of Police in his letter No. 206 of 24th August 1886 to the address of the Executive Engineer Tanjore and prepared in accordance with the standard design approved in G. O. No. 1828. W. dated 2nd August/80.

2. The site selected is between the Collector's Office and the present Police station on which a cattle

Pound

Pound is now in existance. Although
the land and the Pound belong
to Government yet the cost of
building the Pound elsewhere is
to be provided for, hence Rs. 154.
for compensation are provided in
the Estimate. The soil is said to
be loose earth to a depth of 4 ft
and red soil mixed with gravel
below this level; the depth of the
foundation allowed viz., 1 foot
concrete and 5 ft. masonry is
considered sufficient.

3. The only deviation from the
standard Estimate is, that the
flooring for the whole building
is proposed to be made with
Portland

Portland cement concrete $2\frac{1}{2}$ inches
thick on a bed $3\frac{1}{2}$" thick of concrete
made with common mortar ins-
-tead of square tile on a bed
$4\frac{1}{2}$" thick of ordinary concrete.
It is considered that square tiles
do not make good floors for
they get worn down and uneven
in a short time, whereas the
cement concrete will last for
many years without repairs.

4. The rates are fair and the
Estimate is forwarded for sanc-
-tion through the Superintendent
of Police Tanjore vide para 989
of the P. W. Code.

J W Martin
Ex: Eng.r Tr. ch: C.C.

9477 Reg 82

From.

The Supd Engineer
6th Circle

To:

The Supdt of Police
Tanjore:

No 1977.T.S

Dated 28th February 87

Enclos 2

Report on the Estd of Rs 2260 for constructing a second Class Police Station at Valiam in the Tanjore Dist.

Pub 1136/87
4

943/18

Judicial DEPARTMENT.

ENCLOSURES 4

In a letter from the Inspector General of Police, dated Madras 9th March 1887 No. 1045.

No. 943 W.

B & R
Auxiliary

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 28th March 1887

READ the following

From the Inspector General of Police, K.E. No. 1045, dated 9th March 1887.

Endorsement thereon in the Judicial Dept. — dated 28th March 1887.

3

The estimate amounting to Rs. 2,260 for constructing a second class police station house at Vallam in the Tanjore District is sanctioned for execution when funds are available.

2 This sanction has been registered as Provincial No. 200 W of 1886-87, and classified as Civil Buildings, Original Works.

[signature] 25.3.87

[signature] 28/3/87

5/4

To

The Supdg. Engineer, VI Circle, with 2 enclosures

" Examiner, P.W. Accts. with the abst. est. for note & return to S.E. VI.

Judicial Dept.

[signature]

[signature]

743/90

2418.

Govt. of (1887) Madras.

PUBLIC WORKS.

Read

Rest. Encl.

G.O., 28 march 1887, No. 943 W

Police station house
at Vallam

Estimate of ~~Rs~~ 2,260
for constg: a second
class —— in the
Tanjore District,
sanctioned.

80
5c