(1) Number of pages 38

49 (2) Date of repair 22-8-88

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D. DEPARTMENT

G.O. No. / B.P. No.	2684.	Press. / Mis.
Dated	31. 10. 1884.	188

19

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Archives —1 10,006-9 80

2684/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from Lieutenant-Colonel T. K. GUTHRIE, Acting Inspector-General of Police, to the Chief Secretary to Government, dated Madras, 4th October 1884, No. 5546 :—

I have the honor to submit, for sanction, a Public Works Department estimate, &c., amounting to Rs. 1,137, for the construction by the agency of that department of a third-class station-house on the standard design at Singikulam, Tinnevelly district, during the year 1885-86.

1 Site plan.
1 Plan of the window.
1 Plan of the foundation.
1 Abstract estimate.
1 Detailed do.
1 Specification report by the Executive Engineer.
1 Do. do. by the Superintending Engineer.

No. 2303, Judicial.

Approved and transferred to the Public Works Department.

(By Order.)

Ootacamund,
14th October 1884.

(Signed) M. HAMMICK,
Acting Under Secretary.

Order—dated 31st October 1884, No. 2684 W., Public Works.

The estimate, amounting to Rs. 1,137, for constructing a third-class police station-house at Singikulam, in the Tinnevelly district, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial No. 176 W. of 1884-85, and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, VI Circle, with seven enclosures.
" Examiner, Public Works Accounts.
" Judicial Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated October, 31st.

Recd. *Encl.*

G.O., 31st Oct. 1884, No. 2684 W.

OCTOBER.

Police Station-House at Singikulam

Estimate for a third-class —, in the Tinnevelly district, sanctioned.

2684/1884
2

DEPARTMENT PUBLIC WORKS.

POLICE STATIONS.

Specification of Works to be performed in executing the Standard Designs of Police Stations, Drawings 1, 2 and 3, signed by the Consulting Architect on the 15th January 1880.

EXCAVATOR.

Clearing Site.—Take down any existing building on the site stacking such materials as it may be desired 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. 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.

Slips and baling.

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.

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, 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.

Brickwork.

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.

Loop holes 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.

The walls will be a brick and a half thick, not less than 1′ 3″ or greater than 1′ 5″, the quantities allow 1′ 3″.

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

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 brick work has settled down.

Bond.—The bond should be English if possible.

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

STONE MASON.

Provide and dress two lines, No. 6 stones 1′×1′×4″ with mortice holes 2″ square and 2″ deep to receive the posts.

Provide and dress one line, No. 2 stones 1′ 3″×2′×4″ for the beam.

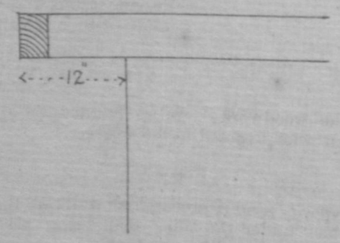
Provide and dress two lines, the steps shown on the drawing, taking each stone not less than 3″.

CARPENTER.

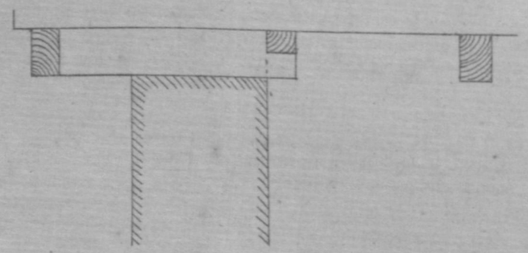
NOTE.—*Vary this clause according to class.*—Supply a beam 17′ 3″×9″×12″, supply joists 5″×3″, supply door frames, window frames and ventilators as shown on the drawing neatly rebated and morticed in a workmanlike manner.

2

Halve the joists into the beam to the extent of half an inch and add temporary struts to keep the joists evenly apart until the terrace has settled. The longitudinal joists will project over the wall to the extent of 12″ including the waling piece.

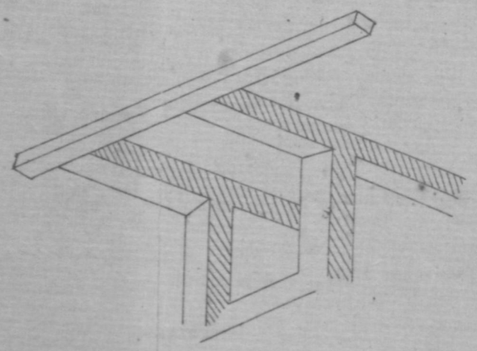


small cantilevers will be arranged along the longitudinal walls halved under the longitudinal joists nearest the wall as shown on the drawing.



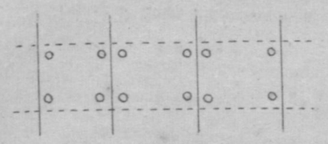
Support all the woodwork during the execution of the terrace and slightly ease the wedges as the work progresses, allow the supports to remain for three weeks after the completion of the terrace.

The ventilators have no top rail ; they are held apart by the longitudinal waling piece spiked to the ends of the joists.



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3

Provide and fix arm-racks in strict accordance with the dimensions set forth on the drawing. Supply frames for the doors with shoulders to be built in the masonry in the ordinary way. Provide strong batten doors made of three-quarters of an inch planks horizontal and vertical well held together with palm treenails 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.

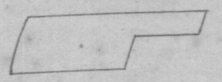


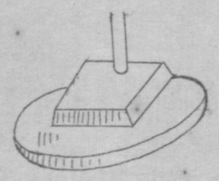
(Here specify whether the woodwork is to be painted or oiled. Painting in Carson's oak color being preferable for all wood exposed to the weather.)

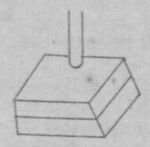
Floor.

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 1½″ ; provide a template the size of the tile required and cut with sloping sides.



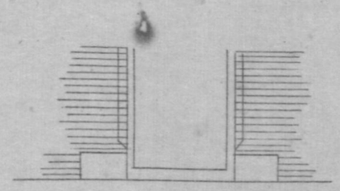




when laid the underside should be turned up thus—



the texture of the earth being closure will require heavier firing. When 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.



Terrace.

Lay over ordinary terrace brick in mortar 9″ of broken material at the sides and 12″ in the centre beat down to 6″ and 8″ beat mortar on the top of this and finish off (here specify the particular method employed in the district).

3

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 with 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 lamp black.

The imitation arch bricks marked C

20 parts lime.
5 „ yellow ochre.
20 „ 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 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 ironwork will be procured from the Government workshops.

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

CHEPAUK,
15th January 1880.

ESTIMATE of the Cost of constructing a First-class Police Station-house according to Standard Design No. 1, dated 15th January 1880.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
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 6	3 0	1 6	52	
Cubic feet ...	...	...	...	...	2,263	
Cubic yards ...	...	...	...	...	...	84
Earthfilling in Basement.						
Guard-room	1	18 0	15 0	1 6	405	
Lock-up	1	9 0	15 0	1 6	203	
Do. and Inspectors	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 6	3 0	1 0	35	
Cubic feet ..	...	..	...	...	772	
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 6	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	1 9	2 0	77	
Steps	1	11 6	3 0	0 6	17	
Do.	1	9 6	2 0	0 6	10	
Do.	1	7 6	1 0	0 6	4	
						517
Deduct stone in steps	...	...	...	...	...	21
Cubic feet ...	...	...	...	...	...	496

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Brickwork in Superstructure.						
Outer walls	...	112 0	1 3	12 0	1,680	
Partitions	2	15 0	1 3	12 0	450	
Do.	1	9 0	0 9	12 0	81	
Parapet	...	115 0	0 6	0 9	43	
						2,254
Deductions.						
Doors	2	3 9	1 3	6 6	61	
Do.	4	2 9	1 3	6 0	83	
Windows	1	3 0	1 3	4 0	15	
Ventilators	12	4 9	1 3	1 6	107	
Archwork as per details below... ...	...	...	...	...	33	
						299
Cubic feet ...	...	...	...	...	...	1,955
Archwork.						
Segmental arch over doors	2	4 6	1 3	1 0	} 33	
Do. do.	4	3 6	1 3	1 0		
Do. over windows	1	3 6	1 3			
Cubic feet ...	...	...	...	...	33	
Stonework if easily procured.						C. ft.
Steps	...	34 0	1 3	0 6	21	
Teakwood.						
Posts	6	0 5	0 5	7 9	8	
Brackets...	12	1 1	0 4	0 10	4	
Breastsummer	...	42 0	0 5	0 7	10	
Joists for verandah	29	9 0	0 3	0 5	27	
Beam	1	17 3	0 9	1 0	13	
Joists	11	31 6	0 3	0 5	36	
Do.	12	12 6	0 3	0 5	16	
Waling pieces	2	43 0	0 3	0 5	9	
Do.	2	19 6	0 3	0 5	4	
Cantilevers	54	2 3	0 3	0 5	12	
					139	
Cubic feet ...	...	...	...	...		
Iron Doors.						Sq. ft.
Inner doors	4	2 9	...	6 0	66	
Teak Batten Doors with Frames and Fastenings.						Sq. ft.
Outer doors	2	3 9	...	6 6	49	
Batten window	1	3 0	...	4 0	12	Do.
	12	4 9	...	1 6	86	Do.
Ventilators, wooden frames, and venetians and iron bars.						
Stones under posts 1′ × 1′ × 4″ ...	...	6 in number.		...	...	
Stones under beams 1½′ × 2′ × 4″ ...	...	2 in number.		...	...	

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Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Mouldings over exterior openings.						
Doors	2	5 0	...	...	10	
Window	1	4 6	...	...	4½	
Lineal feet ...	...	..	...	...	14½	
Plastering interior and washing.						
Guard-room	...	66 0	...	12 0	792	
Lock-up	...	48 0	...	12 0	576	
Do. and Inspectors	2	32 3	...	12 0	774	
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.	12	7 9	...	1 3	116	
						2,394
Deductions.						
Doorway	2	3 9	...	6 6	49	
Do. ... ... 2 × ...	4	2 9	...	6 0	132	
Window	1	3 0	...	4 0	12	
Ventilators	12	4 9	...	1 6	86	
						279
Square feet ...	...	...	...	...	...	2,115
Squares ...	...	...	...	...	...	21·15
Plastering exterior and washing.						
Basement	...	132 6	...	2 0	265	
Superstructure	...	117 0	...	12 0	1,404	
Parapet	...	117 0	...	5 3	614	
						2,283
Deductions.						
Doors	2	3 9	...	6 6	49	
Window	1	3 0	...	4 0	12	
Ventilators	12	4 9	...	1 6	86	
						147
Square feet ...	...	...	...	...	...	2,136
Squares ...	...	...	...	...	...	21·36
Terracing.						
Main building	...	19 6	...	43 0	839	
Verandah	...	8 0	...	41 0	328	
Square feet ...	...	...	...	...	1,167	
Squares ...	...	...	...	...	...	11·67
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

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Flooring with jelly 6 inches 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 ...	...	...	...	...	...	204
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 ... 3 ×	12	4 9	...	1 6	257	
Posts	6	1 8	...	7 6	75	
Breastsummers	...	38 6	...	2 0	77	
Joists	29	8 0	...	1 1	251	
Beam	1	15 0	...	2 9	41	
Joists	11	25 0	...	1 1	} 680	
Do.	12	10 0	...	1 1		
Waling pieces	2	43 0	...	1 1		
Do.	2	19 6	...	1 1		
Cantilevers	54	2 0	...	1 1		
Square feet ...	...	...	...	...	1,635	
Squares ...	...	...	...	...	...	16·35
Arm-racks for ten rifles	...	7 Lineal feet.				
Pegs for accoutrements...	...	12 in number.				
Moveable shelf for Inspector's room ...	...	1 in number.				

ABSTRACT.

Quantity.	Item.	Rate.	Per.	Amount.
		RS. A. P.		RS. A. P.
84 C. yds.	Excavation for foundations ...			
43 „	Earthfilling in basement ...			
772 C. ft.	Concrete			
763 „	Brickwork in foundations ...			
496 „	Do. in basement			
1,955 „	Do. in superstructure ...			
33 „	Archwork			
21 „	Cut stone work in steps (if easily procured).			
139 „	Teakwood wrought and put up ...			
66 S. ft.	Iron inner doors			
49 „	Teak batten door with frames complete.			
12 „	Batten window			

ABSTRACT—*cont.*

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. A. P.
86 S. ft.	Ventilators with venetians and iron bars.			
6 No.	Stones under posts			
2 „	Do. under beam			
14½ L. ft.	Moulding over exterior opening...			
21·15 Squares.	Plastering interior and washing.			
21·36 „	Do. exterior do. ...			
11·67 „	Terracing			
6·22 „	Flooring with square tiles ...			
2·04 „	Flooring wards with jelly 6 inches thick and painting with tar and asphalte composition.			
16·35 „	Painting with three coats of Carson's oak color.			
7 L. ft.	Arm-rack for ten rifles			
12 Nos.	Pegs for accoutrements			
1 No.	Moveable shelf for Inspector's room.			
	Contingencies at 5 per cent. ...			
	Total ...			

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

MADRAS,
28th January 1880.

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

26874/6

ESTIMATE of the Cost of constructing a Second-class Police Station-house according to Standard Design No. 2, dated 15th January 1880.

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	...	10 0	3 0	1 6	45	
Cubic feet ...	...	...	...	...	2,038	
Cubic yards ...	...	...	...	...	...	76
Earthfilling in Basement.						
Guard-room	1	12 0	15 0	1 6	270	
Lock-up	1	9 0	15 0	1 6	203	
Do. and Inspectors	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	10 0	3 0	1 0	30	
Cubic feet ...	...	...	...	...	694	
Brick 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	...	73 6	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	10 0	3 0	0 6	15	
Cubic feet ...	...	...	...	...	693	
Brickwork in Basement.						
Outer walls	...	100 0	1 3	2 0	250	
Extra thickness for plinth	...	73 6	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	10 0	3 0	0 6	15	
Do.	1	8 0	2 0	0 6	8	
Do.	1	6 0	1 0	0 6	3	
						468
						19
Deduct stone and steps	...	...	...	...	...	449
Cubic feet ...	...	...	...	...	...	

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	12 0	1,500	
Partitions	2	15 0	1 3	12 0	450	
Do.	1	9 0	0 9	12 0	81	
Parapet	...	103 0	0 6	0 9	39	
						2,070
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	10	4 9	1 3	1 6	89	
Archwork as per details below	...	...	...	...	28	
						245
Cubic feet ...	...	...	...	...	...	1,825
Archwork.						
Segmental arch over door	1	4 6	1 3	1 0	28	
Do. do.	4	3 6	1 3	1 0		
Do. over window	1	3 6	1 3	1 0		
Cubic feet ...	...	...	...	...	28	
Stonework if easily procured.						
Steps	...	31 0	1 3	0 6	19	C. feet.
Teakwood.						
Posts	6	0 5	0 5	7 9	8	
Brackets	12	1 1	0 4	0 10	4	
Breastsummer	...	34 0	0 5	0 7	8	
Joists for verandah	24	8 6	0 3	0 5	21	
Joists for guard-room	11	14 0	0 4	0 7	30	
Do. for lock-up	23	12 3	0 3	0 5	29	
Waling pieces	2	37 0	0 3	0 5	23	
Do.	2	19 6	0 3	0 5		
Cantilevers	46	2 3	0 3	0 5		
Cubic feet ...	...	...	...	...	123	
Iron inner doors	4	2 9	...	6 0	66	Sq. feet.
Teak batten entrance door with frames and fastenings.	1	3 9	...	6 6	24	Do.
Batten window with frames and fastenings.	1	3 0	...	4 0	12	Do.
Ventilators, wooden frames, and venetians with iron bars.	10	4 9	...	1 6	71	Do.
Stones under posts 1′ × 1′ × 4″ ...	...	6 in number.		...	...	
Mouldings over exterior openings.						
Door	1	5 0	...	...	5	
Window	1	4 6	...	...	4½	
Lineal feet ...					9½	

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total
		FT. IN.	FT. IN.	FT. IN.		
Plastering interior and washing.						
Guard-room	...	54 0	...	12 0	648	
Lock-up	...	48 0	...	12 0	576	
Do. and Inspectors	2	32 3	...	12 0	774	
Door jambs	1	17 0	...	1 3	21	
Do.	4	15 0	...	1 3	75	
Window jambs	1	14 0	...	1 3	18	
Ventilator	10	7 9	...	1 3	97	
						2,209
Deductions.						
Doorway	1	3 9	...	6 6	24	
Do. ... ... 2 ×	4	2 9	...	6 0	132	
Window	1	3 0	...	4 0	12	
Ventilator	10	4 9	...	1 6	71	
						239
Square feet ...	...	...	...	...	...	1,970
Squares ...	...	...	...	...	...	19·70
Plastering exterior and washing.						
Basement	...	119 6	...	2 0	239	
Superstructure	...	105 0	...	12 0	1,260	
Parapet	...	105 0	...	5 3	551	
						2,050
Deductions.						
Door	1	3 9	...	6 6	24	
Window	1	3 0	...	4 0	12	
Ventilator	10	4 9	...	1 6	71	
						107
Square feet ...	...	...	...	...	...	1,943
Squares ...	...	...	...	...	...	19·43
Terracing.						
Main building	...	37 0	...	19 6	722	
Verandah	...	35 0	...	7 6	263	
Square feet ...	...	...	...	...	985	
Squares ...	...	...	...	...	...	9·85
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 pieces	1	3 9	...	1 3	8	
Do.	1	2 9	...	1 3	8	
Do.	3	2 9	...	0 7½	5	
						468
Square feet ...	...	...	...	...	...	4·68
Squares ...	...	...	...	...	...	

2684
8

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.						
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
Painting with three coats of Carson's oak color.						
Door ... ... 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 ... 3 ×	10	4 9	...	1 6	214	
Posts	6	1 8	...	7 6	75	
Breastsummers	...	32 6	...	2 0	65	
Joists	24	7 6	...	1 1	195	
Do.	11	14 0	...	1 6	231	
Joists for lock-up, &c.	23	12 3	...	1 1	} 540	
Waling pieces	2	37 0	...	1 1		
Do.	2	19 6	...	1 1		
Cantilevers	46	2 3	...	1 1		
Square feet ...	...	...	...	...	1,525	
Squares ...	...	...	...	...	...	15·25
Arm-rack for four rifles	...	2¾ Lineal feet.		...	...	
Pegs for accoutrements	...	6 in number.		...	...	
Moveable shelf for Inspector's room ...	...	1 in number.		...	...	

ABSTRACT.

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. A. P.
76 C. yds.	Excavation for foundation ...			
35 „	Earthfilling in basement ...			
694 C. ft.	Concrete			
693 „	Brickwork in foundation ...			
449 „	Do. in basement			
1,825 „	Do. in superstructure ...			
28 „	Archwork			
19 „	Stonework for steps if easily procured.			
123 „	Teakwood wrought and put up ...			
66 S. ft.	Iron inner doors			
24 „	Batten door for entrance with frames complete.			
12 „	Batten window			

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ABSTRACT—*cont.*

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. A. P.
71 Sq. ft.	Ventilators, wooden frames, and venetians and iron bars.			
6 Nos.	Stones under posts			
9½ L. ft.	Moulding over exterior opening.			
19·70 Squares.	Plastering interior and washing...			
19·43 „	Do. exterior do. ...			
9·85 „	Terracing			
4·68 „	Flooring with square tiles ...			
2·04 „	Flooring with jelly 6 inches thick and painting over with tar and asphalte composition.			
15·25 „	Painting with three coats of Carson's oak color.			
2¾ L. ft.	Arm-rack for four rifles			
6 Nos.	Pegs for accoutrements			
1 No.	Moveable shelf for Inspector's room.			
	Contingencies at 5 per cent. ...			
	Total ...			

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

MADRAS,
28th January 1880.

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

2684/9

ESTIMATE of the Cost of constructing a Third-class Police Station-house according to Standard Design No. 3, dated 15th January 1880.

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		
Verandah walls	...	28 0	3 6	3 0	294	
Steps	...	8 0	3 0	1 6	36	
Cubic feet ...	...	...	...	...	1,275	
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		
Verandah	1	18 9	5 3	1 6	148	
Cubic feet ...	...	...	...	...	490	
Cubic yards ...	...	...	...	...	...	18
Concrete 12 inches thick.						
Excavation 1,239 cubic feet ÷ 3 =	...	...	...	...	413	
Steps	...	8 0	3 0	1 0	24	
Cubic feet ...	...	...	...	...	437	
Brickwork in Foundations.						
Footings—						
Outer walls...	...	69 6	2 3	1 6	272	
Partition	1	11 0	2 3	1 6		
Verandah wall	...	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		
Verandah walls	...	30 9	0 9	0 6	12	
Steps	...	8 0	3 0	0 6	12	
Cubic feet ...	...	...	...	...	425	
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	8 0	3 0	0 6	12	
Do.	1	6 0	2 0	0 6	6	
Do.	1	4 0	1 0	0 6	2	
Cubic feet ...	...	...	...	...	...	298
Deduct stone in steps	...	...	...	...	...	16
Cubic feet ...	...	...	...	...	...	...
						282

9

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Brickwork in Superstructure.						
Outer walls		69 6	1 3	11 6	} 1,172	
Partitions	1	12 0	1 3	11 6	}	
Parapet		72 6	0 6	0 9	27	
						1,199
Deductions.						
Door	1	3 9	1 3	6 6	30	
Do.	1	2 9	1 3	6 0	21	
Ventilators	6	4 9	1 3	1 6	53	
Archwork as per details	...	...	...	...	10	
						114
Cubic feet ...	...	...	...	...	...	1,085
Archwork.						
Segmental arch over door	1	4 6	1 3	1 0	} 10	
Do. do.	1	3 6	1 3	1 0	}	
Cubic feet ...	...	...	...	...	10	
Stonework if easily procured.						
Steps	...	25 0	1 3	0 6	16	C. feet.
Teakwood.						
Posts	4	0 5	0 5	7 6	5	
Brackets	8	1 1	0 4	0 10	2	
Breastsummers	...	21 0	0 5	0 7	5	
Joists for verandah	16	8 0	0 3	0 5	13	
Do. for guard-room	9	15 0	0 4	0 7	26	
Do. for lock-up	9	10 0	0 3	0 5	}	
Waling pieces	2	24 9	0 3	0 5	} 25	
Do.	2	16 6	0 3	0 5	}	
Cantilevers	28	2 3	0 3	0 5		
Cubic feet ...	...	...	...	...	76	
Iron door	1	2 9	...	6 0	17	S. feet.
Teak batten door with frames and fastenings.	1	3 9	...	6 6	24	Do.
Ventilators, wooden frames, and venetians and iron bars.	6	4 9	...	1 6	43	Do.
Stones under posts 1′ × 1′ × 4′ ...	...	4 in number.		...	...	
Mouldings over exterior door	...	5 Lineal feet.		...	...	
Plastering interior and washing.						
Guard-room	1	48 0	...	11 6	} 989	
Lock-up	1	38 0	...	11 6	}	
Door jambs	1	17 0	...	1 3	} 98	
Do.	1	15 0	...	1 3	}	
Ventilator jambs	6	7 9	...	1 3		1,087

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Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Deductions.						
Doorway	1	3 9	...	6 6	24	
Do. ... ... 2 ×	1	2 9	...	6 0	33	
Ventilators	6	4 9	...	1 6	43	
						100
Square feet ...	...	...	...	...	...	987
Squares ...	...	...	...	...	...	9·87
Plastering exterior and washing.						
Basement	...	88 0	...	2 0	176	
Superstructure	...	74 6	...	11 6	857	
Parapet	...	74 6	...	5 3	391	
						1,424
Deductions.						
Door	1	3 9	...	6 6	24	
Ventilators	6	4 9	...	1 6	43	
						67
Square feet ...	...	...	...	...	...	1,357
Squares ...	...	...	...	...	...	13·57
Terracing.						
Main building	...	24 9	...	16 6	408	
Verandah	...	22 9	...	7 0	159	
Square feet ...	...	...	...	...	607	
Squares ...	...	...	...	...	...	6·07
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 lbs. of tar.						
Lock-up	1	7 0	...	12 0	84	
Door piece	1	2 9	...	0 7½	2	
Square feet ...	...	...	...	...	86	
Squares ...	...	...	...	...	...	·86

10

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Painting with three coats of Carson's oak color.						
Door ... ... 2 ×	1	3 9	...	6 6	49	
Do. ... ... 2 ×	1	2 9	...	6 0	33	
Ventilators with venetians ... 3 ×	6	4 9	...	1 6	128	
Posts	4	7 3	...	1 8	48	
Breastsummers	...	20 3	...	2 0	41	
Joists	16	7 0	...	1 1	121	
Do.	9	15 0	...	1 4	180	
Do.	9	10 0	...	1 1	} 255	
Waling pieces	2	24 9	...	1 1		
Do.	2	16 6	...	1 1		
Cantilevers	28	2 3	...	1 1		
Square feet ...	...	...	...	...	855	
Squares ...	...	...	...	...	...	8·55
Arm-racks for two rifles	...	1½ Lineal feet.		...	...	...
Pegs for accoutrements	...	4 in number.		...	...	...
Moveable shelf for records	...	1 in number.		...	...	...

ABSTRACT.

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. A. P.
48 C. yds.	Excavation for foundations ...	...	C. yard.	...
18 ,,	Earthfilling in basement ...	...	,,	...
437 C. feet.	Concrete	...	C. foot.	...
425 ,,	Brickwork in foundations ...	...	,,	...
282 ,,	Do. in basement	...	,,	...
1,085 ,,	Do. in superstructure ...	...	,,	...
10 ,,	Archwork	...	,,	...
16 ,,	Stonework for steps if easily procured.	...	,,	...
76 ,,	Teakwood wrought and put up ...	...	,,	...
17 S. feet.	Iron inner door	...	S. foot.	...
24 ,,	Teak batten door with frames and fastenings.	...	,,	...
43 ,,	Ventilators, wooden frames, and venetians and iron bars.	...	,,	...
4 No.	Stones under posts	...	Each.	...
5 L. feet.	Mouldings over exterior door ...	...	L. foot.	...
9·87 Squares.	Plastering interior and washing...	...	Square.	...
13·57 ,,	Do. exterior do. ...	...	,,	...
6·07 ,,	Terracing	...	,,	...
2·73 ,,	Flooring with square tiles ...	...	,,	...
·86 ,,	Flooring with jelly 6″ thick and painting with tar and asphalte composition.	...	,,	...
8·55 ,,	Painting with three coats of Carson's oak color.	...	,,	...

ABSTRACT—*cont.*

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. A. P.
1½ L. feet.	Arm-rack for two rifles	...	L. foot.	...
4 No.	Pegs for accoutrements	...	Each.	...
1 ,,	Moveable shelf for records ...	...	,,	...
...	Contingencies at 5 per cent. ...	...	...	...
	Total ...	...	...	...

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

MADRAS,
28th January 1880.

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

2684
11

26684
12

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

26th February 1880, No. 435 W.

Buildings and Roads.
Civil Works.

Read the following papers :—

No. 60.	From the Consg. Architect to Govt.,	dated	20th Jan.	1879,	No. 519.
No. 60-A.	Do.	do.	„ 3rd March	„	„ 578.
No. 60-B.	Do.	do.	„ 28th Nov.	„	„ 531.
No. 60-C.	Do.	do.	„ 16th Jan.	1880,	„ 578.
No. 60-D.	Do.	do.	„ 3rd Feb.	„	„ 594.
No. 60-E.	Do.	do.	„ 16th „	„	„ 609.

No. 61. ORDER THEREON, 26th February 1880, No. 435 W.

THE Government approve the standard designs for 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 estimate of quantities printed and circulated for the information of the department.

(True Extract.)

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

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

Exd. E. C. Shunker.
Spare Copies

12

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1880} Madras.

PUBLIC WORKS.

To

ALL SUPERINTENDING ENGINEERS,

&c., &c., &c.

Dated February, 26th.

Issued

Recd. *Encl.*

G. O., 26th February 1880, No. 435 W.

FEBRUARY.
Nos. 60-61.

The standard designs for Police Stations submitted by the Consulting Architect approved, and ordered to be adopted in supersession of all previous designs for such buildings.

266H/13

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

ORDER—dated 21st February 1884, No. 483 W., Public Works.

In modification of the practice at present followed with regard to the submission of plans and estimates for buildings required by other departments, the Government direct that the following procedure be invariably adopted in future.

2. Plans and estimates for buildings required by the Revenue Department should be submitted by the Executive Engineer to the Superintending Engineer, who, after scrutiny, will forward them to the Collector of the district for approval and countersignature. If the Collector be satisfied as to the suitableness of the proposed accommodation, &c., he will transmit the papers through the Board of Revenue to Government in the Revenue Department, by whom, if approved, they will be transferred to the Public Works Department for disposal, after final scrutiny by the Chief Engineer.

3. In the case of plans and estimates for court-houses, the documents will be forwarded by the Superintending Engineer to the District Judge for transmission, through the High Court, to Government in the Judicial Department, and the same principle will be followed with regard to estimates for Registration, Police, Jail, and other Civil Departments. The Superintending Engineer will forward the documents to the Head of the Department concerned, who will submit them to Government in the Department of the Secretariat from which he receives his orders.

4. The course at present adopted with regard to estimates for Military buildings is laid down in G.O., No. 1381 W., dated 14th June 1880, but here also a modification of practice appears desirable. In future such plans and estimates will be forwarded by Superintending Engineers for approval to the General Officer Commanding the District or Division. The General Officer will transmit the papers to the Quartermaster-General, who,* after obtaining the approval of His Excellency the Commander-in-Chief, will submit them direct to Government in the Military Department. After approval in the Military Department they will be transferred to the Public Works Department for disposal, after final scrutiny by the Chief Engineer.

*NOTE.—In the case of Ordnance, Commissariat or other departmental buildings, the approval of the head of the department should be obtained before the plans and estimates are submitted to His Excellency the Commander-in-Chief.

5. It must be understood that these orders apply only to works which are beyond the power of sanction of local authorities, and are not intended to alter the procedure laid down in G.O., No. 3211 W., dated 6th December 1882, with regard to the submission of Local Fund projects.

13

6. The Secretary, Code Committee, will take the necessary steps for embodying these rules in the Public Works Code, in modification of paragraphs 1168 and 1335.

(True Extract.)

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

To Superintending Engineers.
To the Consulting Architect to Government.
" Examiner, Public Works Accounts.
" Public, &c., Departments.
" Revenue Department.
" Military "

Exd. A. Aubert.
Spare Copies

2684/14

14

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated February, 21st.

Recd. *Encl.*

G.O., 21st Feb. 1884, No. 483 W.

FEBRUARY.

Buildings required by other Departments

Modification of the practice for the submission of plans and estimates for —.

B. and B. 1885-86.
General Department

No. 5546.

Chief Office of the Inspector General of Police,

Madras, 4th October 1884.

FROM

Lieut. Col. J. K. Guthrie
Ag: INSPECTOR GENERAL OF POLICE,

To

THE Chief Secretary
to Government
Ootacamund

SIR,

Enclosures. 7.

1. Site plan
1. Plan of the Windows
1. —do— Foundation
1. Abstract Estimate
1. Detailed —do—
1. Specification
Report by the Exc. Engineer
1. —do— Supt. Engr.
7

I have the honor to Submit for Sanction a D. P. W estimate &c amounting to Rupees 1137-0-0 for the Construction by the Agency of that Department of a 3rd Class Station House on the Standard design at Singikulam Tinnevelly District during the Year 1885-86.

I have the honor to be
Sir
Your most Obedt Servant

O Kemmis Major
Ag: Asst Insp Genl of Police
for Ag: Insp Genl of Police

91

91
HB97C

Judicial (1884) Department.

From Lt. Col. J. K. Guthrie
Ag: Inspector General
of Police,

No. 5546.

Dated 4th October 1884
Received 6th "

No.

Subject.

Submits for Sanction
D.P.W. plan &c. and E. to
Rs 1137 — — for the Con-
-struction of a 3d Class
Station House at
Singikulam, Tinnevelly

Approved and transferred to the Public Works department.
(By order)
Ag: Under Secretary

To the P.W. Dept.

G.O. 483 Way 21-2-84
" 435 Way 26-2-80

Public Works Department, 1884-85.

26847

Sanction.
CS.
22-10-84

Current No. 8741
Letter No. 2303
Dated the 14th October 84
From the Judicial Department

26847/17

Note of Remarks.

1. The accompanying plans and estimate provide for constructing a 3d class Police Station-house at Singikulam, Tinnevelly District. The amount of the estimate is Rs. 1137.
2. The proposed station house differs from the standard design sanc- tioned in G.O. No. 435 W. of the 26th Feb. 80, in the dimensions of foundation and in the substitution of two windows for the "apertures" allowed in the standard. One win- dow (3'×4') is to be pla in the rear wall of the guard room; and the other (3'×4') in the end wall.

17

3. The site plan and estimate have been countersigned by the Ag. Asst. Inspr. Genl. of Police.

22nd Octr/84
BH

Buildings & Roads
Road Works

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

2684/18

READ the following

From the Inspector General of Police - H.L. No: 5546 d/ 4th October 1884.
Endorsement thereon by the Judicial Deptt. H.L. No: 2303 d/ 14th October 1884

3

The estimate amounting to Rs. 1,137, for constructing a third class police station house at Singikulam in the Tinnevelly District, is sanctioned for execution ~~when funds are available during the~~ current official year.

2. This sanction has been registered as Provincial No: 176 W of 1884-85, and classified as Civil Buildings, Original Work

Cd.
24.10.84

Dy 11

29.10.84

To The Deputy Engr. VI circle with 7 encls.
" Examiner P.W. Accounts
" Judicial Department.

W 23.10

18

3970.

Govt. of [1884] Madras.

PUBLIC WORKS.

(19)

Dated 1-11-84

Rec'd.

Read.

G.O., 31 Dec'r 1884, No. 2684

Police Station Limits
at Saidapet

Letters Asst. Engr.
in Charge Triplicane Div.
transmitting

60
4

D 4/34

31/10
1/11