

(1) Number of Pages.....18.
(2) Date of repair.....25.7.1968.
(3) Initials of the Referencer.....*[Signature]*
20.

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue. DEPARTMENT

G.O. No.	1635	Press
B.P. No.		Mis:
Dated	A-8-1875 196 ..	

Not to be folded or roughly handled

No. 854. Read the following letter from R. CHISHOLM, Esq., Consulting Architect to Government, to Major A. DeC. SCOTT, Under Secretary to Government, Public Works Department, dated Chepauk, 10th February 1875, No. 447 :—

I HAVE the honor to return the estimate for the Taluq Cutcheries duly corrected. I have added the iron railing and doors for the Treasury.

2. As the plan, dated 17th February 1874, does not show these railings, I beg to enclose a revised sketch* of that portion.

SPECIFICATION OF WORKS TO BE PERFORMED IN CONSTRUCTING A FIRST-CLASS
TALUQ CUTCHERRY AND SUBSIDIARY JAIL.

This specification refers to the Standard Design represented in drawings Nos. 1 and 2, dated the 17th February 1874.

EXCAVATION.

After the centre lines of the walls have been pegged out and the breadths of the foundations lockspitted, excavate the trenches to the full depths shown on the drawing, or to such other depths as the officer in charge of the works may direct.

CONCRETE.

On receipt of a written order from the officer in charge of the works, to the effect that the foundations have been sufficiently sunk, proceed to lay 12 inches of concrete.

The concrete will be laid in two layers, each layer 6 inches thick, well rammed with heavy beaters, and the second layer will not be added to the first, until the latter is thoroughly consolidated.

BRICKWORK.

On the completion of the concrete, the centre lines will be carefully laid out and the footing courses commenced. The footing courses will be carried up in steps 6 inches high with 3 or 4 inch offsets on either side according to the drawing.

Walling.—The walling will consist of brickwork in chunam two bricks thick (about 18 inches).

Splays.—All openings will have splayed edges, measuring 3 inches on the face of the splay.

Arching.—All arches will be turned in four concentric rings of brick on edge.

STONEMASONRY.

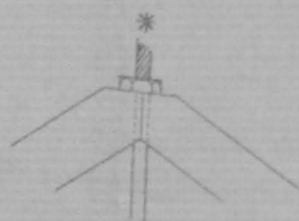
In localities where stone is cheap, a stone curbing should run all round the edge of the verandah and the top of the plinth, and stone slabs should be placed under the wooden posts and trusses. It would be advisable also to construct the spiral of stone steps.

TEAKWOOD.

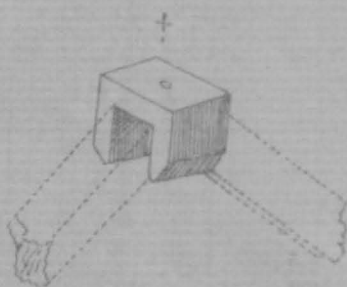
The teakwood trusses, rafters, verandah supports, etc., will be executed in strict accordance with the details shown on the drawing dated April 1872.

(NOTE.—Extra scantlings have been allowed in the quantities for the principal rafters and common rafters.)

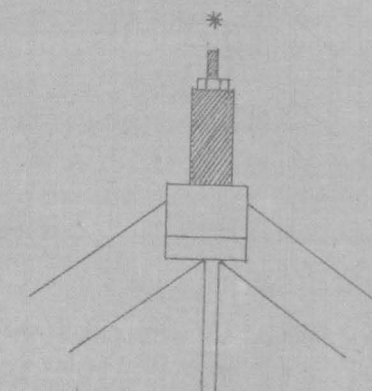
In framing the trusses, the heels of the rafters will be let into the tie-beams and strapped down tight, and the heads allowed to butt simply.* Over the head a check hollowed out



so as to cover the joints† will be fastened by the first nut. After the struts having been cut

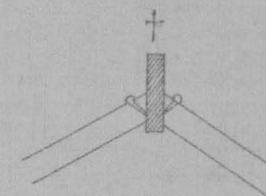


to admit of the proper camber, lap a rope round the truss and twist up the tie-beam to the required camber, and screw home the first nut on the king rod. The lower ends of the struts will butt simply against the tie-beam and be held in their places by round pieces of wood. The upper ends will be halved into the rafters. When the trusses are hoisted, put on the ridge over the king rod heads, and screw the second nut down tight.* Halve the purlins and rafters each to

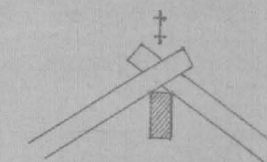


the extent of one inch. Support the purlins over the walls between the trusses.

Rafters.—Notch the rafters into the purlins, but on no account cut the purlins themselves as the full section is required for the roof. Let every rafter project 3 feet 9 inches beyond the purlin over the wall. Where verandahs are shown the rafters will run out over the wall purlin, being supported at their ends by the posts. Bring each rafter up against the ridge and spike it as shown on the drawing.†



(NOTE.—It is customary to make the ridge support the rafters by crossing them above it.† This is necessary; if the rafters are properly halved into the principle purlin, the ridge



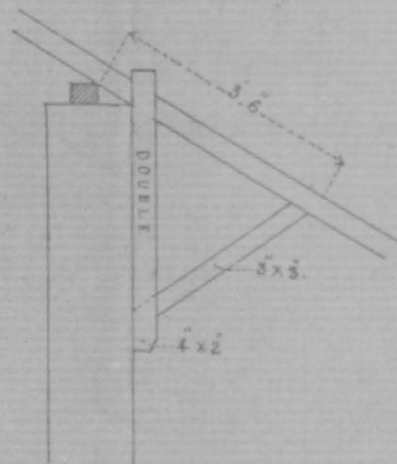
Proceedings of the Madras Government, Public Works Department,
13th July, 1875.

can only stay their ends, it cannot support them.)

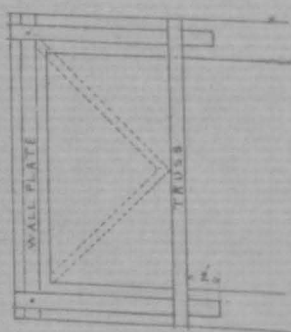
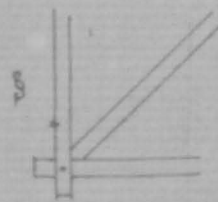
In the jail, strut every rafter from the wall.

The details of this arrangement is shown on the drawing.

Wall-plates.—Where a truss ends a roof at a distance from the wall about equal to half



the span as in the record-room and men's ward, a wall plate should run all along the wall to the angle immediately under the truss. The lower ends of the principal hip rafters will butt against the angle formed by these plates, and the upper ends will be fastened under the ridge



pole. It is not necessary to strut these rafters, as the scantling, 6 inches x 6 inches, is sufficient without the intermediate support.

The hip rafter at the spiral angle will be bedded in the masonry of the spiral above the level of the wall-plate, so as to preserve the same angle of roofing.

IRONWORK.

Iron Gratings.—Provide and fix with the screws specified hereafter No. — gratings of the forms and dimensions shown on the drawings.

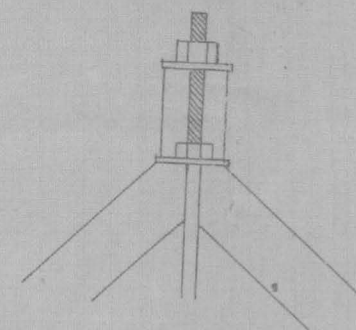
Iron Doors.—Provide and fix No. — doors of the forms and dimensions shown on the drawings.

Screws.—Fasten to frames with unreversible screws. These screws must be specially made. They have large heads filed, so that they can only be screwed in and not out.

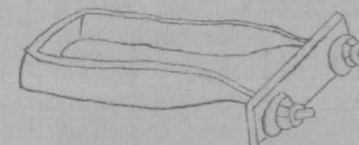


Proceedings of the Madras Government, Public Works Department,
13th July 1875.

Tie-rods.—Supply to carpenter No. — tie-rods of the forms and dimensions shown, lower end to have octagonal head and 3 inches by $\frac{1}{4}$ th inch washers.* The upper end 9 inches of worm and double nuts and washers.



Straps.—Supply to carpenter No. — straps for trusses formed of $1\frac{1}{2}$ inches by $\frac{3}{4}$ th inch iron forged to a half inch screw at ends, bearing plate $1\frac{1}{2}$ by half inch, with nuts and washers.



Spikes, Nails, and Screws.—Supply to the carpenter all necessary spikes, screws, nails, and tacks.

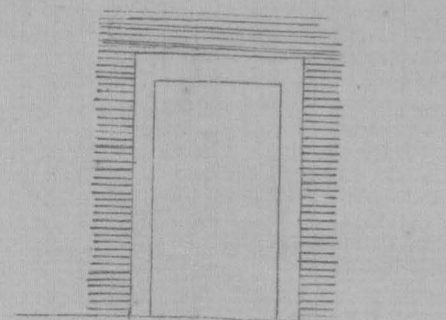
Bolts.—Supply No. — upper bolts inches long, and No. — lower bolts inches long, No. — hinges 6 inches long, four to each folding door, and No. — elbow hinges, No. — rim locks inches by— inches. (Here specify any special fastenings for jail.)

NOTE.—If the building is on the coast all door furniture should be of brass.

PLASTERING.

One coat of rough cast.—Lay with hand floats one coat of rough cast over the whole of the interior, and bring to a smooth and level surface.

Whitewash.—Whitewash all interior jambs and soffits, 9 inches in breadth at sides and 12 at tops of all openings. Color-wash all remaining portions.



Proceedings of the Madras Government, Public Works Department,
13th July 1875.

The following proportions make good tints for this work.

Whitewash. $\begin{cases} 40 & \text{White.} \\ 1 & \text{Yellow.} \end{cases}$

Color-wash. $\begin{cases} 25 & \text{White.} \\ 1 & \text{Yellow.} \\ 1 & \text{Red.} \\ 1 & \text{Black.} \end{cases}$

POINTING.

Rake out the exterior joints of all masonry work to the depth of half an inch, well wash the surface and point with flush pointing. The mortar should be toned to the color of the brick by the addition of red ochre.

ROOFING.

Leading.—After the whole of the carpentry of the roof has been completed, lay in the valleys 18 inches broad leading (or zinc if sheet lead is not procurable) 8 lbs. to the foot superficial, with a lap of 9 inches where joined.

Tiling.—Cover the roof with well-burnt tiles laid in the usual manner, and protect the ridges and hips in tiles specially made for the purpose.

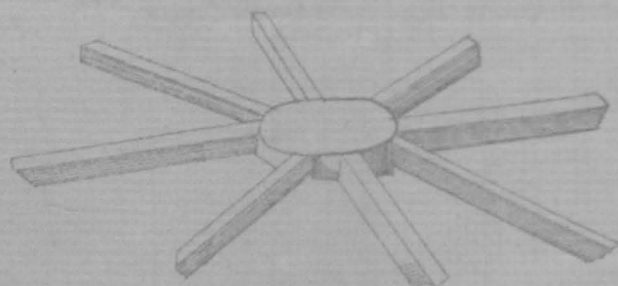
Chunam bands.—Protect the ridges, hips, and eaves with chunam bands, rough cast on the surface, and lay bands on the tiling

inches broad and inches apart.

Roof of Spiral.—The curb of wood on which the spiral rests must be bolted down by eight bolts as shown on the drawing. Care must be taken to cut the underside of the curb so as to prevent the water from getting in between the wood and the masonry.



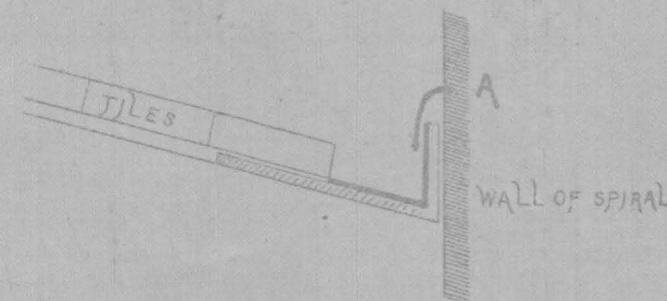
After the uprights and top pieces have been tenoned into the curb, eight horizontal pieces tenoned into a central boss will be spiked on the top.



Proceedings of the Madras Government, Public Works Department,
13th July 1875.

From the ends of these rise the eight angle pieces forming the spirelet. A piece 3 inches x 4 inches will receive the lower weather-board, after which the boards will overlap each other to the extent of 2 inches. A neatly cut roll, notched to fit the weather-boarding on the underside and rounded on top, will run up the outer angles.

Flushing at Spiral.—Where the roof butts the spiral, great care must be taken to make it water-tight. Under the tiles must be placed a metal gutter 9 inches broad and 6 inches high securely fastened to three-quarter inch boarding.



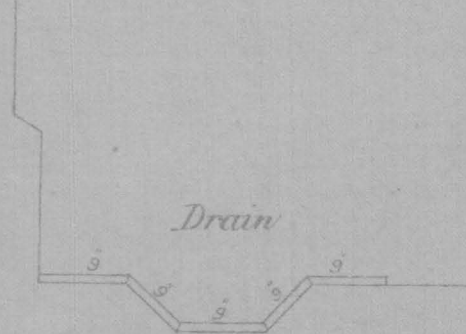
About 1 inch above the gutter, metal "flashing" must be placed in a chiselled groove in the masonry and turned down into the gutter.

FLOORING.

After the masons have brought the surface up ready to receive the floor tiles, lay an even floor of 9 inches square tiles set diagonally. The tiles will be rubbed on the surface and gauged to fit each other.

EXTERIOR DRAIN.

All round the exterior build a drain of flat 9 inch tiles as sketched on the margin, varying the section of the drain according to the slope of the ground.



GENERAL REMARKS.

The finial for the turret can be supplied by the Consulting Architect to Government, each finial costs 40 Rupees in Madras.

The height of the ridge on the jail side of the record room will be 18 feet 3 inches throughout, and the eaves 8 feet 9 inches. The height of the walls will vary so as to secure these dimensions. The height of the ridge and the eaves on the court-house side of the record room will be, respectively, 19 feet 6 inches and 7 feet 6 inches.

Where the roofs butt against the walls of the record room, lead flashing should be employed as specified for the turret.

Steps may be added on either side of the covered way with advantage.

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

21st December 1874.

Proceedings of the Madras Government, Public Works Department,
13th July 1875.

Estimate for constructing a Taluk Cutcherry and Subsidiary Jail, as per Drawings, Nos.
1 and 2, dated 17th February 1874.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Excavation for foundations.</i>						
		FT. IN.	FT. IN.	FT. IN.	C. FT.	
Court-house, etc. Outer walls ...	1	156 0	5 0	4 0	3,120	
Partitions ...	2	14 6	5 0	4 0	580	
Do. ...	1	6 6	3 10	4 0	100	
Verandah walls ...	1	178 4	3 10	4 0	2,784	
Steps ...	3	11 0	4 0	1 6	198	
Front wall ...	1	29 0	5 0	4 0	580	
Rear wall ...	1	38 0	5 0	4 0	760	
Partition wall ...	1	14 6	5 0	4 0	290	
End wall ...	1	13 3	5 0	4 0	265	
Front verandah ...	1	22 9	3 10	4 0	349	
Back do. ...	1	30 0	3 10	4 0	460	
Steps ...	2	11 0	4 0	1 6	132	
Turret ...	1	12 0	12 0	6 0	864	
Front wall ...	1	24 9	5 3	4 0	520	
Rear wall ...	1	27 9	5 3	4 0	583	
Sheristadar and Cashier. Partition ...	1	14 0	4 9	4 0	266	
End wall ...	1	27 0	5 0	4 0	540	
Back verandah ...	1	34 11	3 10	4 0	535	
Steps ...	1	11 0	4 0	1 6	66	
Public ... Front and ends ...	1	38 6	5 0	4 0	770	
Steps ...	1	18 0	3 0	1 6	81	
Inspector and Police. Front, rear and end. Partition ...	1	51 0	5 0	4 0	1,020	
Walls ...	1	14 6	4 9	4 0	276	
Covered way ... Steps, front and rear ...	2	26 6	4 9	4 0	1,007	
Outer walls ...	2	11 0	4 0	1 6	132	
Jail ... Partitions ...	1	139 6	5 0	4 0	2,790	
	3	11 6	4 9	4 0	656	
				C. feet.	19,674	
<i>Concrete, 12" thick.</i>						
Excavation ÷ 4 ...				C. feet	4,918½	
BRICKWORK.						
<i>IN FOUNDATIONS AND BASEMENT.</i>						
<i>Footings.</i>						
Court-house, etc. Outer walls ...	1	156 0	2 10	1 6	663	
Partitions ...	2	16 8	2 10	1 6	142	
Do. ...	1	8 8	1 10	1 6	24	
Verandah ...	1	178 4	1 10	1 6	490	
Front wall ...	1	31 2	2 10	1 6	132	
Rear wall ...	1	38 0	2 10	1 6	162	
Partition ...	1	16 8	2 10	1 6	71	
End wall ...	1	15 8	2 10	1 6	67	
Front verandah ...	1	26 0	1 10	1 6	72	
Back verandah ...	1	33 0	1 10	1 6	91	
Turret ...	1	9 10	9 10	1 6	145	
Front wall ...	1	27 3	3 1	1 6	126	
Rear wall ...	1	29 11	3 1	1 6	138	
Sheristadar and Cashier. Partition ...	1	16 2	2 7	1 6	63	
End wall ...	1	23 6	2 10	1 6	100	
Back verandah ...	1	37 9	1 10	1 6	104	

* These steps have been omitted on plan, but should be inserted as they are required.

Proceedings of the Madras Government, Public Works Department,
13th July 1875.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Footings.—(Concluded.)</i>						
		FT. IN.	FT. IN.	FT. IN.	C. FT.	
Public ... Front and ends ...	1	40 8	2 10	1 6	173	
Inspector and Police. Front, rear and end. Partition ...	1	53 2	2 10	1 6	226	
Covered way ... Front and rear walls	1	16 8	2 7	1 6	65	
Jail ... Outer walls ...	2	28 8	2 7	1 6	222	
	1	139 6	2 10	1 6	593	
	3	13 8	2 7	1 6	159	
<i>Above footings to floor level.</i>						
Court-house, etc. Outer walls ...	1	156 0	1 6	3 6	819	
Partitions ...	2	18 0	1 6	3 6	189	
Do. ...	1	10 0	0 10	3 6	29	
Verandah walls ...	1	178 4	0 10	3 6	520	
Steps ...	3	11 0	4 0	1 7½	215	
Do. ...	3	7 0	2 0	1 6	63	
Front wall ...	1	32 6	1 6	3 6	171	
Rear wall ...	1	38 0	1 6	3 6	200	
Partition ...	1	18 0	1 6	3 6	95	
End wall ...	1	16 10½	1 6	3 6	89	
Front verandah ...	1	28 6	0 10	3 6	83	
Back verandah ...	1	33 6	0 10	3 6	98	
Steps ...	2	11 0	4 0	1 7½	143	
Do. ...	2	7 0	2 0	1 6	42	
Front wall ...	1	17 9	1 9	3 6	109	
Do. ...	1	11 4	2 1	3 6	83	
Rear wall ...	1	31 3	1 9	3 6	191	
Partition ...	1	17 6	1 3	3 6	77	
End wall ...	1	21 6	1 6	3 6	113	
Back verandah ...	1	38 0	0 10	3 6	111	
Steps ...	1	11 0	4 0	1 7½	72	
Do. ...	1	7 0	2 0	1 6	21	
Turret ...	1	9 2	9 2	5 0	420	
Front and ends ...	1	42 0	1 10	3 6	270	
Public ... Steps ...	1	18 0	3 0	1 7½	88	
Do. ...	1	15 0	1 6	1 0	23	
Inspector and Police. Front, rear and end. Partition ...	1	54 6	1 10	3 6	350	
Walls ...	1	18 0	1 3	3 6	79	
Covered way ... Steps ...	2	29 4	1 3	3 6	257	
Do. ...	2	11 0	4 0	1 7½	143	
Outer walls ...	2	7 0	2 0	1 6	42	
Jail ... Partitions ...	1	139 6	1 10	3 6	895	
	3	15 0	1 3	3 6	197	
				C. feet.	10,325	
				Do.	502	
				Do.	9,823	

Brickwork in Superstructure.

Court-house, etc. Outer walls ...	1	156 0	1 6	11 6	2,691	
Partitions ...	2	18 0	1 6	11 6	621	
Do. ...	1	10 0	0 10	17 6	146	
Gables ...	4	21 0	1 6	3 9	473	
Front wall ...	1	32 6	1 6	11 6	561	
Rear wall ...	1	38 0	1 6	11 6	656	
Partition wall ...	1	18 0	1 6	11 6	311	
End wall ...	1	16 10½	1 6	12 0	304	
Gables ...	2	21 0	1 6	3 9	236	

c

Proceedings of the Madras Government, Public Works Department,
13th July 1875.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Brickwork in Superstructure.—</i> (Concluded.)						
Turret ...	1	8 6	8 6	26 0	1,879	
Sheristadar and Cashier. { Front wall ...	1	29 9	1 9	12 0	625	
... { Rear wall ...	1	31 3	1 9	12 0	656	
... { Partition wall ...	1	17 6	1 3	12 0	263	
... { End wall ...	1	21 9	1 6	12 0	392	
Record-room ... { Upper storey walls ...	1	97 0	1 6	11 6	1,673	
Public ... { Front and ends ...	1	42 0	1 6	12 0	756	
... { Gable ...	1	18 0	1 6	3 0	81	
Inspector and Police. { Front, rear and end ...	1	54 6	1 6	10 3	838	
... { Partition ...	1	18 0	1 3	10 3	231	
... { Gable ...	1	21 0	1 3	3 9	98	
... { Do. ...	1	21 0	1 6	3 9	118	
Jail ... { Outer walls ...	1	139 6	1 6	11 6	2,406	
... { Partitions ...	3	15 0	1 3	11 6	647	
... { Gables ...	3	18 0	1 3	3 0	203	
... { Do. ...	1	16 0	1 6	3 0	72	
					16,937	
<i>Deductions—</i>						
Archway ...	1	12 0	1 6	4 6	81	
Do. ...	6	5 0	1 6	5 0	225	
Doorways ...	4	4 0	1 9	4 0	112	
Do. ...	2	4 0	1 3	4 0	40	
Do. ...	28	4 0	1 6	4 0	672	
Spiral doors ...	2	2 9	1 3	3 3	22	
Jail ventilators ...	6	4 0	1 6	2 6	90	
Court-house ventilators ...	2	4 0	1 6	3 0	36	
Record-room windows ...	7	2 3	1 6	2 9	65	
Turret void ...	1	28 3	Area.	26 0	735	
Open work ...	2	6 0	1 6	4 0	72	
					2,150	
					C. feet.	14,787
<i>Filling in basement.</i>						
Court-house ...	1	44 0	18 0	2 0	1,584	
Do. ...	1	17 2	10 0	2 0	343	
Clerks' rooms ...	1	35 0	18 0	2 0	1,260	
Sheristadar, Cashier and Public ...	1	47 0	15 0	2 0	1,410	
Inspector and Police ...	1	15 6	18 0	2 0	558	
Covered way ...	1	29 4	14 3	2 0	836	
Jail ...	1	48 0	15 0	2 0	1,440	
Verandahs ...	1	250 0	5 8	2 0	2,833	
					C. feet.	10,264
<i>Out-stone (if procurable at reasonable rates).</i>						
Capping to plinth ...	1	576 0	0 10	0 6	240	
Steps ...	8	45 6	1 3	0 6	228	
Do. ...	1	55 0	1 3	0 6	34	
					C. feet.	502

N.B.—Half the quantity of void is deducted, the other half covering the cost of centring and archwork.

Proceedings of the Madras Government, Public Works Department,
13th July 1875.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Teak-wood—Court-house, etc.</i>						
Two Trusses, 18 feet span.	Tie-beams ...	2	21 0	0 4	0 8	9
	Principal rafters ...	4	11 3	0 4	0 6	8
	Struts ...	4	5 6	0 3	0 4	2
	Purlins ...	2	64 0	0 7	0 8	50
	Do. wall ...	2	64 0	0 4	0 4	14
	Purlin supports ...	10	1 0	1 0	0 6	5
	Ridge ...	1	64 0	0 3	0 10½	14
	Verandah wall plates ...	2	21 0	0 3	0 3	3
	Common rafters ...	86	13 6	0 3	0 4	97
<i>Clerks' rooms.</i>						
One Truss, 18 feet span.	Tie-beam ...	1	21 0	0 4	0 8	5
	Principal rafters ...	2	11 3	0 4	0 6	4
	Struts ...	2	5 6	0 3	0 4	1
	Purlins ...	2	44 0	0 7	0 8	34
	Do. wall ...	2	39 6	0 4	0 4	9
	Purlin supports ...	6	1 0	1 0	0 6	3
	Ridge ...	1	48 6	0 3	0 10½	11
	Common rafters ...	50	13 6	0 3	0 4	56
	Small rafters ...	10	6 9	0 3	0 4	6
	Hip do. ...	2	15 0	0 4	0 5	4
<i>Sheristadar and Cashier.</i>						
	Beams ...	1	34 0	0 9	1 0	26
	Joists ...	24	20 0	0 3	0 5	50
	Verandah wall plates ...	1	31 3	0 3	0 3	2
<i>Record room.</i>						
Two Trusses, 18 feet span.	Tie-beams ...	2	21 0	0 4	0 8	9
	Principal rafters ...	4	11 3	0 4	0 6	8
	Struts ...	4	5 6	0 3	0 4	2
	Principal hip rafters ...	4	15 0	0 6	0 6	15
	Purlins ...	2	23 0	0 7	0 8	18
	Do. ...	2	10 0	0 7	0 8	8
	Do. wall ...	2	34 0	0 4	0 4	8
	Do. do. ...	2	20 0	0 4	0 4	4
	Do. supports ...	8	1 0	1 0	0 6	4
	Ridge ...	1	13 6	0 3	0 10½	3
	Common rafters ...	24	14 6	0 3	0 4	29
	Small do. ...	56	7 3	0 3	0 4	34
	Hip do. ...	4	17 0	0 4	0 5	9
	Wall plate ...	1	104 0	0 5	0 4	14
<i>Public.</i>						
	Purlins ...	2	18 0	0 6	0 7	11
	Do. wall ...	2	18 0	0 4	0 4	4
	Rafters ...	24	12 6	0 3	0 4	25
	Ridge ...	1	18 0	0 3	0 6	3
<i>Inspectors and Police.</i>						
	Purlins ...	2	19 9	0 6	0 7	12
	Do. wall ...	2	19 9	0 4	0 4	4
	Rafters ...	26	17 0	0 3	0 4	37
	Ridge ...	1	19 9	0 3	0 6	2
	Struts ...	26	2 6	0 3	0 3	4
	Uprights (double) ...	52	4 0	0 4	0 2	12

Proceedings of the Madras Government, Public Works Department,
13th July 1875.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.	C. FT.	
<i>Covered way.</i>						
Posts ...	4	0 6	0 6	11 9	12	
Cheek pieces ...	8	0 4	0 6	2 3	3	
Struts ...	4	4 6	0 3	0 4	2	
Tie-beams ...	2	18 0	0 4	0 6	6	
Principal rafters ...	4	9 9	0 4	0 5	5	
Struts ...	4	4 9	0 3	0 3	1	
Ends of principal rafters ...	8	7 0	0 1½	0 5	3	
Cleats ...	4	0 7	0 4	0 5	1	
Purlins ...	4	33 0	0 5	0 6	28	
Do. ...	2	37 0	0 5	0 6	15	
Ridge ...	1	41 0	0 3	0 9	8	
Common rafters ...	42	15 6	0 3	0 4	54	
Small do. ...	10	7 9	0 3	0 4	6	
Hip do. ...	2	12 6	0 4	0 5	4	
<i>Jail.</i>						
Tie-beams ...	2	18 0	0 4	0 6	6	
Principal rafters ...	4	9 9	0 4	0 5	5	
Struts ...	4	4 9	0 3	0 3	1	
Principal hip rafters ...	4	11 6	0 6	0 6	12	
Purlins ...	2	46 0	0 5	0 6	19	
Do. ...	2	9 0	0 5	0 6	4	
Do. wall ...	2	54 9	0 4	0 4	12	
Do. ...	2	18 0	0 4	0 4	4	
Ridge ...	1	36 0	0 3	0 9	7	
Common rafters ...	52	15 6	0 3	0 4	67	
Small do. ...	40	7 9	0 3	0 4	26	
Hip do. ...	4	17 6	0 4	0 5	10	
Struts ...	86	3 3	0 3	0 3	17	
Uprights (double) ...	172	4 2	0 4	0 2	40	
Wall plates ...	2	40 0	0 5	0 4	11	
<i>Turret.</i>						
Wall plates ...	8	2 9	0 6	0 5	5	
Uprights ...	8	1 0	0 6	0 6	24	
Breastsummers ...	8	2 9	0 6	0 6	6	
Brackets ...	16	0 7	0 7	0 6	3	
Venetians ...	48	1 6	1 9	0 1	11	
Horizontal pieces ...	8	4 0	0 4	0 6	5	
Central boss ...	1	1 0	1 0	0 7	1	
Angle rafters ...	8	0 3	0 4	11 6	8	
Piece under finial ...	1	1 4	1 4	2 9	5	
Planks ...	22	1 6	0 9	0 3	12	
Plate under plank-ing ...	8	3 6	0 3	0 4	2	
Roll caps ...	8	11 3	0 3	0 3	6	
<i>Verandah.</i>						
Posts ...	26	0 5	0 5	8 3	52	
Breastsummers ...	1	270 0	0 5	0 5	47	
Rafters ...	185	11 0	0 3	0 4	170	
Uprights (small) ...	185	0 5	0 5	1 0	32	

Proceedings of the Madras Government, Public Works Department,
13th July 1875.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.	C. FT.	
<i>Verandah.—(Concluded.)</i>						
Side pieces... ..	370	1 3	0 2	0 1½	10	
Hip rafters ...	6	12 6	0 3	0 5	8	
Eaves board through-out ...	1	680 0	0 3	0 5	18	
Barge board, Court-house gables ...	4	13 6	0 1	0 9	3	
					1,509	
<i>Wrought Iron in trusses, etc.</i>						
1" King rods for 18 feet trusses ...	5	8 0	= 40	× 2·62	104·80	
¾" Do. for 15 " " " "	4	7 0	= 28	× 1·48	41·44	
1½" × ½" Flat iron straps for 18 feet trusses ...	10	3 0	= 30	× 1·87	56·10	
Do. do. for 15 feet do. ...	8	2 6	= 20	× 1·87	37·40	
1½" × ½" Bearing plates for trusses ...	18	0 7	= 10½	× 2·92	30·66	
3" × 3" × ½" Washers for trusses ...	27			× 0·32	8·64	
1" Hex nuts and head for 18 feet trusses.	5			× 1·65	8·25	
¾" Do. do. for 15 do. do. ...	4			× 0·65	2·60	
½" Do. for straps ...	36			× 0·06	2·16	
1" Bolt for holding down turret wall plate ...	8	5 0	= 40	× 2·62	104·80	
¾" Plates 9" × 9" for do. ...	8			× 3·75	30·00	
1" Hex nut and head for do. ...	8			× 1·10	8·80	
½" Bolts for securing covered way posts.	8	1 3	= 10	× 0·65	6·50	
¾" Hex nut and head for do. ...	8			× 0·12	0·96	
½" Bolts for securing covered way rafters.	12	0 8	= 8	× 0·16	1·28	
¾" Hex nut and head for do. ...	12			× 0·02	0·24	
				lbs.	444·63	
<i>Stone under trusses ...</i>	18 in No.					
<i>Doors venetian and panel ...</i>	28	4 0		8 0	896	Supl. ft.
<i>Doors with iron bars for Treasury ...</i>	3	4 0		8 0	96	Supl. ft.
<i>Panel door for record room... ..</i>	1	3 0		7 0	21	Supl. ft.
<i>Iron doors with wooden frames and shutters for jail ...</i>	6	4 0		8 0	192	Supl. ft.
<i>Windows with iron bars for record room ...</i>	7	2 3		4 6	71	
	8½	4 0	Area.		34	
					105	Supl. ft.
<i>Jail ventilators with iron bars ...</i>	6	4 0		2 6	60	Supl. ft.
<i>Venetian Ventilators.</i>						
<i>In Court-house gables ...</i>	2	4 0		3 0	24	Supl. ft.
<i>Open work with 12" square tiles.</i>						
<i>(Vide details of open work) ..</i>	2	6 0		8 0	96	Supl. ft.
<i>Iron railing 10 feet high for Treasury ...</i>	1	15 0			15	Lin. ft.
<i>Painting with Oak color.</i>						
<i>Doors, panel portion ...</i>	2	28	4 0		2 8	597
<i>Do. venetians ...</i>	3	28	4 0		5 4	1,792
<i>Do. for record room ...</i>	2	1	3 0		7 0	42
<i>Do. for jail ...</i>	4	6	4 0		8 0	768
<i>Windows for record room ...</i>	3	7	2 3		4 6	213
<i>Do. do. circles ...</i>	2	8½	4 0	Area.		68

Proceedings of the Madras Government, Public Works Department,
13th July 1875.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Painting with Oak color.—(Concl'd.)</i>		FT. IN.	FT. IN.	FT. IN.	C. FT.	
Ventilators for jail 2	6	4 0		2 6	120	
Do. for court-house 3	2	4 0		3 0	72	
Covered way posts 4	4	2 0		11 6	92	
Do. struts 4	4	4 6		1 2	21	
Verandah posts 36	36	1 8		8 0	480	
Do. breastsummers 1	270	0		1 3	338	
Inspectors' room struts 26	26	2 6		1 0	65	
Do. uprights 52	52	4 0		0 10	173	
Jail struts 86	86	3 3		1 0	280	
Do. uprights 172	172	4 2		0 10	597	
Woodwork in turret 1	20	0		12 0	240	
Do. do. 8	8	2 9		1 4	29	
Do. do. 8	8	3 0		6 0	144	
Do. do. 8	8	2 9		2 0	44	
Do. do. 16	16	0 7		2 0	19	
Do. do. 48	48	1 9		3 0	252	
Eaves board throughout 1	680	0		0 6	340	
Barge board, ends of court-house 4	13	6		0 10	45	
				Supl. ft.	6,831	
				Squares.	68½	
<i>Pointing exterior walls.</i>						
Court-house and clerks' rooms 1	214	0		11 6	2,461	
Do. gables 2	21	0		3 9	158	
Turret 1	14	6		28 0	406	
Sheristadar and Cashier 1	43	3		12 0	519	
Record room 1	103	0		11 6	1,185	
Public 1	45	0		12 0	540	
Gable 1	18	0		3 0	54	
Inspector's room 1	57	6		10 3	589	
Gable 1	21	0		3 9	79	
Jail 1	145	6		11 6	1,673	
Gable 1	16	0		3 0	48	
Basement throughout 1	577	0		2 0	1,154	
				Supl. ft.	8,866	
				Squares.	88½	
<i>Plastering interior and washing.</i>						
Court-house 1	214	4		11 6	2,465	
Do. gables 6	18	0		3 6	378	
Do. partition 2	10	0		17 0	340	
Clerks' rooms 1	142	0		11 6	1,633	
Do. 4	18	0		3 6	252	
Record room 1	98	6		11 6	1,133	
Sheristadar and Cashier 1	130	0		11 6	1,495	
Public 1	54	0		12 0	648	
Do. gables 2	15	0		3 0	90	
Inspector and Police 1	103	0		10 3	1,056	
Do. gables 4	18	0		3 6	252	
Jail 1	216	0		11 6	2,484	
Do. gables 6	15	0		3 0	270	
				Supl. ft.	12,496	
				Squares.	125	

Proceedings of the Madras Government, Public Works Department,
13th July 1875.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Terracing.</i>		FT. IN.	FT. IN.	FT. IN.	C. FT.	
Sheristadar and Cashier 1	32	0		18 0	576	
					Squares.	5½
<i>Tiling with Flat Tiles underneath, including reepers, nails, etc.</i>						
Court-house 1	64	0		26 0	1,664	
Clerks' rooms 1	43	0		26 0	1,118	
Record room 1	37	3		29 0	1,080	
Public 1	16	6		25 0	413	
Police Inspectors and covered way 1	54	0		33 0	1,782	
Jail 1	62	9		33 0	2,071	
Verandahs 1	256	0		9 6	2,432	
				Supl. ft.	10,560	
				Squares.	105½	
<i>Flooring with square pavement tiles.</i>						
Court-house 1	54	0		18 0	972	
Clerks' rooms 1	35	0		18 0	630	
Sheristadar and Cashier 1	30	0		17 6	525	
Public 1	15	0		12 0	180	
Inspector and Police 1	15	6		18 0	279	
Covered way 1	30	0		14 8	440	
Verandahs 1	252	3		5 8	1,429	
Archways 1	12	0		1 6	18	
Do 6	5	0		1 6	45	
Doorways 4	4	0		1 9	28	
Do. 22	4	0		1 6	132	
Do. 2	4	0		1 3	10	
				Supl. ft.	4,688	
				Squares.	47	
<i>Flooring with Asphalt.</i>						
Jail wards 1	48	0		15 0	720	
Doorways 6	4	0		1 6	36	
				Supl. ft.	756	
				Squares.	7½	
<i>Cornice.</i>						
Court-house interior 2	54	0			108	
Clerks' rooms, do. 2	35	0			70	
Public do. 2	12	0			24	
Inspector and Police, do. 2	15	6			31	
Record-room, exterior and interior 1	209	0			209	
Turret, exterior 1	28	0			28	
					470	Lin. ft.
<i>Fixing Zinc sheets to the valleys—</i>						
Over Court-house 2	25	0			50	
Do. Jail 2	20	0			40	
					90	Lin. ft.

Proceedings of the Madras Government, Public Works Department,
13th July 1875.

Detailed Quantities.—(Concluded.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.	C. FT.	
Metal gutter and flashing at spiral.	...				10	Lin. feet.
Metal flashing over clerks' room	...				40	Lin. feet.
Exterior drain	...					Lin. feet.
Barge board and finial for entrance complete (vide details dated 8th April 1874)	...					
Wrought Iron finial for turret	...					
Spiral stairs	...					

ABSTRACT.

Quantity.	Item.	Rate.	Per.	Amount.	Total.
		RS. A. P.		RS. A. P.	RS. A. P.
19,674 C. ft.	Excavation for foundations	...		...	...
4,918½ "	Concrete	...		...	...
9,823 "	Brickwork in foundations and basement	...		...	...
14,787 "	Brickwork in superstructure	...		...	...
10,264 "	Filling in basement	...		...	...
502 "	Cutstone	...		...	...
1,509 "	Teakwood	...		...	...
444.63 lbs.	Wrought iron in trusses, etc.	...		...	...
18 in No.	Stone under trusses	...		...	...
896 Supl. feet.	Doors, venetian and panel	...		...	...
96 "	Doors with iron bars for Treasury.	...		...	...
21 "	Panel door	...		...	...
192 "	Iron doors with wooden frames and shutters for jail	...		...	...
105 "	Windows with iron bars for record room	...		...	...
60 "	Ventilators with iron bars for jail...	...		...	...
24 "	Venetian ventilators	...		...	...
96 "	Open work with 12" square tiles	...		...	...
15 Lin. feet.	Iron Railing 10 feet high for Treasury	...		...	...
68½ Squares.	Painting with oak color	...		...	...
88½ "	Pointing exterior walls...	...		...	...
125 "	Plastering and washing interior	...		...	...
5½ "	Terracing	...		...	...
105½ "	Tiling roof	...		...	...
47 "	Flooring with pavement tiles	...		...	...
7½ "	Flooring with asphalt	...		...	...
470 Lin. feet.	Cornice	...		...	...
90 "	Fixing zinc to the valleys	...		...	...
10 "	Metal gutter and flashing at spiral.	...		...	...
40 "	Metal flashing	...		...	...
1 No.	Exterior drain	...		...	...
1 "	Barge board and finial for entrance complete	...		...	...
1 "	Wrought iron finial for turret	...		...	...
1 "	Spiral stairs	...		...	...
	Contingencies at per cent.	...		...	...
	Total...				

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

21st December 1874.

Proceedings of the Madras Government, Public Works Department,
13th July 1875.

No. 355.

ORDER THEREON, 13th July 1875, No. 1,986.

CIVIL WORKS, No. 25.

ORDERED that the accompanying revised standard Specification and Estimate for the construction of a Taluq

Cutcherry be circulated for the guidance of Superintending and District Engineers.

(True Extract.)

J. R. C. S.

Major, R.E.,

Offg. Joint Secretary to Government.

To all Superintending and District Engineers.
To the Executive Engineer, Wynaad.

" Controller of Public Works Accounts.
" Consulting Architect to Government.
" Revenue Departments.
" Judicial do.

Exl. A. Grubert

20 Spare Copies

will follow

1635
9

26.6-96
15-1-96

Rev: 1875- Dept
N. 2978

Govt. of [1875] Madras.

PUBLIC WORKS.

To

ATTN SUPERINTENDING AND DISTRICT

ENGINEERS.

A. C. R.

Dated July 18th.

Issued

Recd.

30 H

Encl.

G. O., 13th July 1875, No. 1,936.

JULY.

Nos. 354-355

Revised Standard Specification and Estimate for the construction of a Taluk Cutcherry.
The to be circulated for the guidance of Superintending and District Engineers.

N^o 1635

Comm^d to the
Board of Revenue

4 Aug 75 AM