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No 2091 Way 31st July 1883

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From
The Sup^r Engineer
6th circle.
To
The Chief Engineer
Pro.

No 781 T.J.
Dated 19th } July 1883.
Recd. 23 }

No 2091 Way 31-7-83

Sub. Magistrate's testimony
de al. reg. p. 1000:—
Reports on various
points noticed.

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*Proceedings of the Madras Government, Public Works Department,
7th March 1877. No. 786.*

No. 168. Read the following letter from R. F. CHISHOLM, Esq., Consulting Architect to Government, to the Secretary to Government, Public Works Department, dated Chepauk, 6th January 1877, No. 753:—

In compliance with G.O., No. 175, dated 30th October 1876, I have the honor to submit the revised standard design for third-class Taluq Cutcheries with specification and schedule of quantities.

SPECIFICATION of Works to be performed in constructing a third-class Taluq Cutcherry according to the revised drawing, dated 6th January 1877.

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 foundation trenches have been sufficiently sunk, proceed to lay twelve inches of concrete, or such depth as may be considered necessary by the officer in charge.

The concrete will be put down in successive layers, six inches thick, well rammed with heavy beaters.

Brickwork in Chunam.—On the completion of the concrete, the centre lines will be carefully laid out, and the footing courses commenced. The foundation brickwork will be carried up in steps six inches high with a three or four inch offset on either side according to the drawing.

Walling.—The outer walls will be two bricks thick (eighteen inches) and the partitions one and a half bricks thick (thirteen and a half inches).

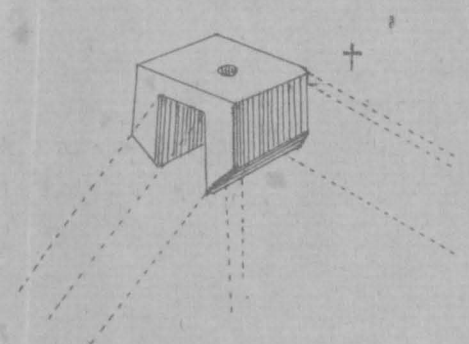
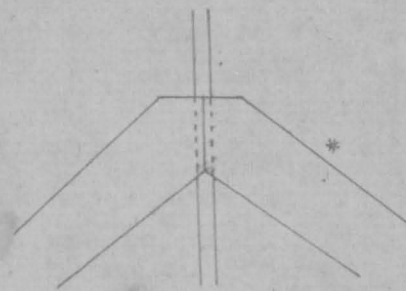
Splays.—All openings will have splayed edges measuring three inches on the face of the splay.

Arching.—The heads of all openings will have flat arches eighteen inches thick. The bricks will radiate to a centre midway between the top and bottom of each opening.

Stonework.—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.

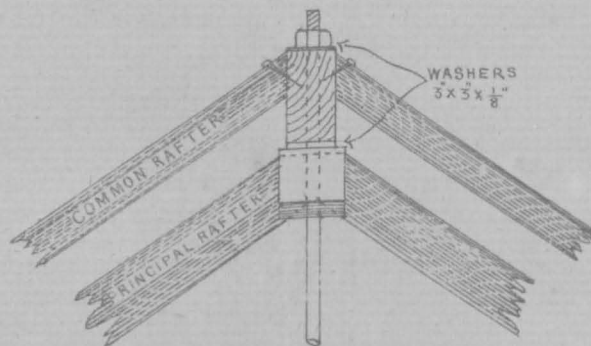
Teakwood.—The teakwood trusses, rafters, verandah posts, &c., will be executed in strict accordance with the details shown on the drawing.

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 hallow chock† will be fastened on by the first nut. (The struts having been cut to admit of the proper camber.) A rope



lapped round the truss and twisted up tight will bring the tie beam to the required camber, and enable the workmen to screw home the nuts. The lower ends of the struts will butt against the

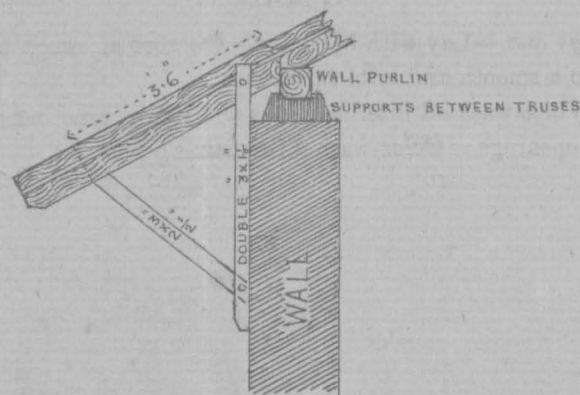
tie beam, and be held in their places by round pieces of wood. The upper ends will be tennoned into the rafters. After the trusses are in position the ridge piece may be added. The purlins



and rafters should be halved each to the extent of one inch. The purlins over the walls should be supported between the trusses.

Rafters.—The rafters may be halved into the purlins, to the extent of $\frac{3}{4}$ inch, but the purlins must not be cut, as the full section is required for the roof. Where verandahs are shown, the rafters will project beyond the wall purlins and rest on bressummers supported by posts. Each rafter must butt against the ridge and be spiked to it as shown on the drawing.

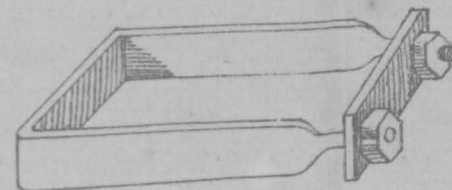
In the jail, the rafters will be strutted at a distance of three feet six inches from the wall purlin.



IRONWORK.

Tie-rods.—The tie-rods will be of the forms and dimensions shown, lower ends to have octagonal head and three inches square by $\frac{1}{2}$ inch washers. The upper end nine inches of worm and double nuts and washers.

Straps.—The straps for trusses will be formed of one inch by $\frac{3}{4}$ inch iron forged to a $\frac{5}{8}$ inch screw at ends, bearing plate $1\frac{1}{4}$ by $\frac{1}{2}$ inch, with nuts and washers.



Doors.—The doors will be one-third panel and two-thirds venetians. The panels to be raised and screwed instead of grooved and tongued, and the edges splayed and not moulded. Venetians to be of ordinary construction.

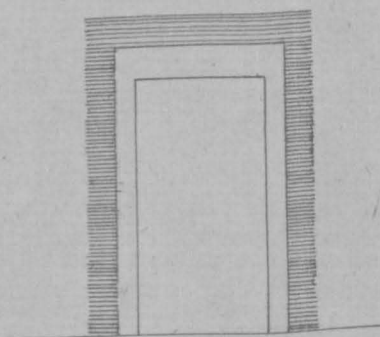
The jail doors will be formed with battens six inches wide and $1\frac{1}{4}$ inches thick with wooden frames and iron shutters of the forms and dimensions shown on the plan of details for "first-class Taluq Cutcherries, dated April 1872."

Painting.—All doors and windows and exposed woodwork of roof will be painted with three coats of "Carson's oak color."

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.

White-wash.—White-wash all interior jambs and soffits, nine inches in breadth at sides and twelve at tops of all openings. Color-wash all remaining portions.



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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.

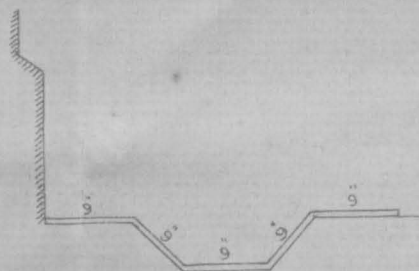
Leading.—After the whole of the carpentry of the roof has been completed, lay in the valleys 18 inches broad leading (or zinc, if sheet lead is not procurable) with a lap of 9 inches where joined.

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.

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 nine inch tiles as sketched below varying the section of the drain according to the slope of the ground.



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

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ESTIMATE FOR CONSTRUCTING A THIRD-CLASS TALUQ CUTCHERRY AS PER
REVISED DRAWING, DATED 6TH JANUARY 1877.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Excavation for foundations.</i>						
Court-room, outer walls ...	...	92 1½	5 0	4 0	1,843	
Do. partition ...	1	11 6	4 7½	4 0	213	
Police record and Clerks' room, front and rear walls ...	2	38 9	5 0	4 0	1,550	
Do. partitions ...	2	11 6	4 7½	4 0	426	
Jail wards, outer walls ...	...	122 9	5 0	4 0	2,455	
Do. partitions ...	3	11 6	4 7½	4 0	638	
Verandah walls ...	...	198 0	3 3	3 0	1,931	
Steps ...	1	11 0	1 0	1 6	17	
Do. ...	2	6 2½	1 0	1 6	19	
Cubic feet ...	...	...	...	...	9,092	
Cubic yards ...	...	...	...	...	...	337
<i>Concrete.</i>						
Excavation ÷ 4 ... cubic feet	...	...	...	...	2,273	
<i>Brickwork in foundations, footings.</i>						
Court-room, outer walls ...	...	92 1½	2 10	1 6	392	
Do. partition ...	1	13 8	2 5½	1 6	50	
Police, Record and Clerks' room, front and rear walls ...	2	40 11	2 10	1 6	348	
Do. do. partitions ...	2	13 8	2 5½	1 6	101	
Jail wards, outer walls ...	...	122 9	2 10	1 6	522	
Do. partition walls ...	3	13 8	2 5½	1 6	151	
Verandah walls ...	...	200 2	1 6	1 0	300	
Above footings to ground level, court room, outer walls ...	...	92 1½	1 6	1 6	207	
Do. partition ...	1	15 0	1 1½	1 6	25	
Police, Record and Clerks' room, front and rear walls ...	2	42 3	1 6	1 6	190	
Do. partitions ...	2	15 0	1 1½	1 6	51	
Jail wards, outer walls ...	...	122 9	1 6	1 6	276	
Do. partitions ...	3	15 0	1 1½	1 6	76	
Do. extra thickness for plinth ...	...	86 8½	0 4	1 6	43	
Verandah walls ...	...	201 6	0 9	1 0	151	
Steps ...	1	11 0	1 0	1 1½	12	
Do. ...	2	6 3	1 0	1 1½	14	
Cubic feet ...	...	...	...	...	2,909	
<i>Brickwork in basement.</i>						
Court-room, outer walls ...	...	92 1½	1 6	1 6	207	
Do. partitions ...	1	15 0	1 1½	1 6	25	
Police, Record and Clerks' room, front and rear walls ...	2	42 3	1 6	1 6	190	
Do. do. partitions ...	2	15 0	1 1½	1 6	51	
Jail wards, outer walls ...	...	122 9	1 6	1 6	276	
Do. partitions ...	3	15 0	1 1½	1 6	76	
Do. extra thickness for plinth ...	...	86 8½	0 4	1 6	43	
Verandah walls ...	...	201 6	0 9	1 0	151	
Steps ...	1	11 0	1 0	0 6	6	
Do. ...	2	6 2½	1 0	0 6	6	
						1,031

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Detailed Quantities—(Continued).

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Deductions.</i>						
Cut stone as per details	...	...	...	...	77	
Under posts do.	...	...	...	...	7	
						84
Cubic feet	...	...	...	...	...	947
<i>Brickwork in Superstructure.</i>						
Court-room, outer walls	...	92 1½	1 6	10 0	1,382	
Do. partitions	1	15 0	1 1½	10 0	169	
Do. gables	2	18 0	1 6	3 0	162	
Do. do.	1	18 0	1 1½	3 0	61	
Police, Record, Clerks' room, front and rear walls	2	42 3	1 6	10 0	1,268	
Do. partitions	2	15 0	1 1½	10 0	338	
Do. gables	2	18 0	1 6	3 0	162	
Do. do.	2	18 0	1 1½	3 0	122	
Jail wards, outer walls	...	122 9	1 6	10 0	1,841	
Jail wards partitions	3	15 0	1 1½	10 0	506	
Do. gables	3	18 0	1 1½	3 0	182	
						6,193
<i>Deductions.</i>						
Police room openings	2	8 0	1 6	10 0	240	
Doors with flat arches two thirds of	9	4 0	1 6	8 0	288	
Do. do. do.	2	4 0	1 1½	8 0	48	
Do. do. do.	4	4 0	1 6	7 6	120	
Windows do. do.	4	3 6	1 6	5 0	70	
Jail ventilators	4	4 0	1 6	2 6	60	
Stones under trusses as per details	...	...	...	...	6	
						832
Cubic feet	...	...	...	...	...	5,361
<i>N.B.—One-third the area of doors and windows allowed to cover expense of centring and arch-work.</i>						
<i>Cut stone if procurable at reasonable rates.</i>						
Capping to plinth	...	266 2½	0 9	0 4	67	
Steps	...	23 6	1 3	0 4	10	
Cubic feet	...	...	...	...	77	
<i>Stone under posts and trusses.</i>						
Under posts	22	1 0	1 0	0 4	7	
Do. trusses	8	1 6	1 6	0 4	6	
Cubic feet	...	...	...	...	13	
<i>Earth filling in basement.</i>						
Court	...	26 11½	15 0	1 0	404	
Police, &c.	...	40 0	15 0	1 0	600	
Jail wards	...	40 0	15 0	1 0	600	
Verandahs	...	188 6	5 9	0 6	542	
Cubic feet	...	...	...	...	2,146	
Cubic yards	...	...	...	...	...	80

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Detailed Quantities—(Continued).

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Teakwood.</i>						
Four trusses 15 { tie beams	4	18 0	0 4	0 6	12	
feet span. { principal rafters	8	9 9	0 4	0 4	9	
{ struts	8	4 9	0 3	0 3	2	
Purlins	2	35 0	0 5	0 6	15	
Do.	2	54 0	0 5	0 6	23	
Do.	2	36 9	0 5	0 6	15	
Do.	2	8 6	0 5	0 6	4	
Do. over police openings	2	10 0	0 5	0 6	4	
Wall purlins	2	35 0	0 4	0 4	8	
Do.	2	46 0	0 4	0 4	10	
Do.	2	46 6	0 4	0 4	10	
Do.	2	18 0	0 4	0 4	4	
Ridge	1	35 0	0 3	0 8	6	
Do.	1	61 6	0 3	0 8	10	
Do.	1	29 0	0 3	0 8	5	
Common rafters	144	10 6	0 2½	0 4	105	
Do. in court gables	8	13 0	0 2½	0 4	7	
Do.	44	14 9	0 2½	0 4	45	
Do. in verandahs	125	10 0	0 2½	0 4	87	
Hip rafters	4	14 0	0 3	0 5	6	
Do. for jail	4	19 6	0 3	0 5	8	
Do. for verandah	8	12 0	0 3	0 5	10	
Posts	22	7 0	0 5	0 5	27	
Bressummers	...	211 0	0 5	0 6	44	
Small uprights over do.	137	1 0	0 2½	0 3	7	
Cheek pieces do.	274	1 3	0 2	0 1½	7	
Barge board for court gables	4	13 0	0 1½	0 11	6	
Eaves board throughout	...	335 0	0 1	0 5	12	
Jail struts	56	3 0	0 2½	0 3	9	
Do. at angles	4	3 6	0 2½	0 3	1	
Do. uprights	112	4 0	0 1½	0 3	14	
Cubic feet	...	...	...	...	532	
<i>Wrought Ironwork in trusses.</i>						
1 inch diameter king rods	4	7 0	28 ×	2·62	73·36	
1 inch hex. nuts and bolt heads	12	...	×	0·55	6·60	
3 inches × 3 inches × ½ inch washers	12	...	×	0·32	3·84	
1 inch × ½ inch flat iron straps	8	2 6	20 ×	1·25	25·00	
1½ inches × ½ inch bearing plates	8	0 6	4 ×	2·08	8·32	
½ inch hex. nuts for straps	16	...	×	0·06	0·96	
2 inches × 2 inches × ¼ inch washers	16	...	×	0·14	2·24	
lbs	...	...	...	...	120·32	
<i>Doors and windows, Venetian and panel with frames.</i>						
Doors	11	4 0	...	8 0	352	
Windows	2	3 6	...	5 0	35	
Superficial feet	...	...	...	...	387	
Venetian windows with frames and iron bars for record room	2	3 6	...	5 0	35	Supl. ft.
Batten doors with frames for Jail wards.	4	4 0	...	7 6	120	Supl. ft.
Iron-barred shutters for jail wards (vide details for 1st-class Taluq Cutcherries)	4	3 6	...	7 0	98	Supl. ft.

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Detailed Quantities—(Continued).

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Doors and windows, Venetian and panel with frames—(Continued).</i>						
Ventilator frames with iron bars for Jail wards ...	4	4 0	...	2 6	40	Supl. ft.
Semi-circular lights in Court room gables ...	2 in number.	...	...	...	...	
<i>Painting doors and windows and exposed woodwork of roofs.</i>						
Doors, panel portion ... 2 x	11	4 0	...	2 8	235	
Do. venetian ... 3 x	11	4 0	...	5 4	704	
Windows do. ... 3 x	4	3 6	...	5 0	210	
Jail doors ... 2 x	4	4 0	...	7 6	240	
Do. iron shutters ... 2 x	4	3 6	...	7 0	196	
Ventilator frames ... 2 x	4	4 0	...	2 6	80	
Semi-circular lights ... 2 x	2	6 3	Area	...	25	
Posts ...	22	1 8	...	6 6	238	
Barge boards ...	4	13 0	...	1 0	52	
Eaves, boarding... ...	335	0	...	0 6	168	
Jail struts ...	56	3 0	...	0 11	154	
Do. at angles ...	4	3 6	...	0 11	13	
Do. uprights ...	112	4 0	...	0 7½	280	
Superficial feet ...	...	...	...	...	2,595	
Squares ...	...	...	...	...	...	25.95
<i>Pointing exterior.</i>						
Walls ...	275	4½	...	10 6	2,891	
Gables ...	2	18 0	...	3 0	108	
Sides of openings, police ...	4	1 6	...	10 0	60	
Door jambs ...	8	20 0	...	0 9	120	
Window do. ...	4	17 0	...	0 9	51	
Jail doors do. ...	2	19 0	...	0 9	29	
Do. ventilator do. ...	4	9 0	...	0 9	27	
Semi-circular ventilators do. ...	2	10 3	...	0 9	15	
Basement ...	291	4½	...	1 0	291	
<i>Deductions.</i>						3,592
Police openings ...	2	8 0	...	10 0	160	
Doors ...	8	4 0	...	8 0	256	
Windows ...	4	3 6	...	5 0	70	
Jail doors ...	2	4 0	...	7 6	60	
Do. ventilators ...	4	4 0	...	2 6	40	
Semi-circular ventilators in gables ...	2	6 3	Area	...	13	
Superficial feet ...	...	...	...	...	...	599
Squares ...	...	...	...	...	...	2,993
<i>Plastering and washing interior.</i>						29.93
Court-room ...	...	70 0	...	10 0	700	
Retiring-room ...	...	43 10½	...	10 0	439	
Gables ...	4	15 0	...	2 6	150	
Clerks' and record-room ...	2	50 0	...	10 0	1,000	
Police ...	...	70 0	...	10 0	700	
Gables ...	6	15 0	...	2 6	225	
Jail wards ...	4	50 0	...	10 0	2,000	

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Detailed Quantities—(Continued).

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Plastering and washing interior—(Continued).</i>						
Gables ...	6	15 0	...	2 6	225	
Door jambs ...	8	20 0	...	0 9	120	
Do. ...	2	20 0	...	1 1½	45	
Do. ...	1	20 0	...	1 6	30	
Window jambs ...	4	17 0	...	0 9	51	
Jail door do. ...	2	19 0	...	0 9	29	
Jail door jambs ...	2	19 0	...	1 6	57	
Do. ventilators do. ...	4	9 0	...	0 9	27	
Semi-circular do. do. ...	2	10 3	...	0 9	15	5,813
<i>Deductions.</i>						
Police openings... ...	2	8 0	...	10 0	160	
Doors ...	8	4 0	...	8 0	256	
Do. ... 2 x	3	4 0	...	8 0	192	
Windows ...	4	3 6	...	5 0	70	
Jail doors ...	2	4 0	...	7 6	60	
Do. ... 2 x	2	4 0	...	7 6	120	
Do. ventilators ...	4	4 0	...	2 6	40	
Semi-circular do. ...	2	6 3	Area	...	13	911
Superficial feet ...	...	...	...	...	...	4,902
Squares ...	...	...	...	...	...	49.02
<i>Tiled roofing with flat and pantiles, including teak reepers, and chunam bands, &c., complete.</i>						
Court and retiring room ...	...	33 0	...	21 0	693	
Clerks, Record, and Police do. ...	...	52 9	...	21 0	1,108	
Jail wards ...	...	70 0	...	15 0	1,050	
Do. ...	...	38 0	...	10 6	399	
Verandahs ...	...	190 0	...	10 0	1,900	
Superficial feet ...	...	...	...	...	5,150	
Squares ...	...	...	...	...	...	51.50
<i>Flooring with 9 inches square pavement tiles.</i>						
Court and retiring room ...	...	26 11¼	...	15 0	404	
Clerks, Record, and Police do. ...	...	40 0	...	15 0	600	
Verandahs ...	...	190 0	...	5 9	1,093	
Police openings... ...	2	8 0	...	1 6	24	
Door pieces ...	9	4 0	...	1 6	54	
Do. ...	2	4 0	...	1 1½	9	
Do. jail ...	4	4 0	...	0 9	12	
Superficial feet ...	...	...	...	...	2,196	
Squares ...	...	...	...	...	...	21.96
<i>Flooring with Asphalte ¾ inch thick.</i>						
Jail wards ...	4	10 0	...	15 0	600	
Door pieces ...	4	4 0	...	0 9	12	
Superficial feet ...	...	...	...	...	612	
Squares ...	...	...	...	...	...	6.12

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Detailed Quantities—(Continued).

Description of Works.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Laying lead or zinc sheets to the valleys 18 inches broad	3	27 0	...	...	81 Lineal ft.	
Exterior drain	...	291	Lineal feet.			
DETAILED QUANTITIES FOR REGISTRARS' AND POST OFFICES.						
Excavation for foundations.						
Outer walls	...	48 9	5 0	4 0	975	
Partition	1	11 6	4 7 $\frac{1}{2}$	4 0	213	
Verandah walls... ..	2	18 7 $\frac{1}{2}$	3 3	3 0	363	
Step	1	11 0	1 0	1 6	17	
Cubic feet	...	...	...	...	1,568	
Cubic yards	...	...	...	...	...	58
Concrete 12 inches thick.						
Excavation $\div 4 =$... cubic feet.	...	...	...	...	...	392
Brickwork in foundations, footings.						
Outer walls	...	50 11	2 10	1 6	216	
Partition	1	13 8	2 5 $\frac{1}{2}$	1 6	50	
Verandah walls... ..	2	18 7 $\frac{1}{2}$	1 6	1 0	56	
Above footings to ground level outer walls	...	52 3	1 6	1 6	118	
Partition	1	15 0	1 1 $\frac{1}{2}$	1 6	25	
Verandah walls... ..	2	18 7 $\frac{1}{2}$	0 9	1 0	28	
Step	1	11 0	1 0	1 1 $\frac{1}{2}$	12	
Cubic feet	...	...	...	...	505	
Brickwork in basement.						
Outer walls	...	52 3	1 6	1 6	118	
Partition	1	15 0	1 1 $\frac{1}{2}$	1 6	25	
Verandah walls... ..	2	18 7 $\frac{1}{2}$	0 9	1 0	28	
Steps	1	11 0	1 0	0 6	6	
						177
Deduct.						
Cut stone as per details... ..	...	...	...	...	14	
Stone under posts	...	...	...	...	1	
						15
Cubic feet	...	...	...	...	...	162
Brickwork in Superstructure.						
Outer walls	...	52 3	1 6	10 0	784	
Partition... ..	1	15 0	1 1 $\frac{1}{2}$	10 0	169	
Gables	1	18 0	1 6	3 0	81	
Do.	1	18 0	1 1 $\frac{1}{2}$	3 0	61	
						1,095

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7th March 1877. No. 786.

Detailed Quantities—(Continued).

Description of Works.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Deductions.						
Doors with flat arches $\frac{2}{3}$ rds of	1	4 0	1 6	8 0	32	
Windows do. do.	3	3 6	1 6	5 0	53	
						85
Cubic feet	...	...	...	...	...	1,010
Cut stone (if procurable at reasonable rates).						
Capping to plinth	2	18 7 $\frac{1}{2}$	0 9	0 4	9	
Steps	1	11 0	1 3	0 4	5	
Cubic feet	...	...	...	...	14	
Stone under Posts	4	1 0	1 0	0 4	1 $\frac{1}{2}$	C. ft
Earth filling in basement.						
Post and Registration Offices	2	8 0	15 0	1 0	240	
Verandahs	2	18 7 $\frac{1}{2}$	5 9	0 6	107	
Cubic feet	...	...	...	...	347	
Cubic yards	...	...	...	...	...	13
Teakwood.						
Purlins	2	19 0	0 5	0 6	8	
Wall do.	2	19 0	0 4	0 4	4	
Ridge	1	19 0	0 3	0 8	3	
Common rafters	24	10 6	0 2 $\frac{1}{2}$	0 4	18	
Verandah do.	26	10 0	0 2 $\frac{1}{2}$	0 4	18	
Do. hip rafters	2	14 0	0 3	0 5	3	
Posts	4	7 0	0 5	0 5	5	
Bressummers	2	19 0	0 5	0 6	8	
Small uprights over do.	24	1 0	0 2 $\frac{1}{2}$	0 3	1	
Cheek pieces do. do.	48	1 3	0 2	0 1 $\frac{1}{2}$	1	
Eaves boarding	2	19 0	0 1	0 5	1	
Cubic feet	...	...	...	...	70	
Doors Venetian and panel with frames.	1	4 0	...	8 0	32	Supl. ft.
Venetian windows with frames and Iron bars	3	3 6	...	5 0	53	Supl. ft.
Painting doors and windows and exposed woodwork of roofs.						
Door panel portion	2 x	1	4 0	...	2 8	21
Do. Venetian do.	3 x	1	4 0	...	5 4	64
Windows do.	3 x	3	3 6	...	5 0	158
Posts	4	1 8	...	6 6	43	
Eaves boarding	...	38 0	...	0 6	19	
Superficial feet	...	...	...	...	305	
Squares	...	...	...	...	...	3.05

Proceedings of the Madras Government, Public Works Department,
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Detailed Quantities—(Continued).

Description of Works.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Pointing exterior.</i>						
Walls	2	18 7½	...	10 6	391	481
Door jambs	1	20 0	...	0 9	15	
Windows do.	3	17 0	...	0 9	38	
Basement	2	18 7½	...	1 0	37	
<i>Deductions.</i>						
Door	1	4 0	...	8 0	32	85
Windows	3	3 6	...	5 0	53	
<i>Superficial feet ...</i>						
...	...	...	...	...	...	396
<i>Squares ...</i>						
...	...	...	...	...	...	3-96
<i>Plastering and washing interior.</i>						
Rooms	2	46 0	...	10 0	920	1,123
Gables	4	15 0	...	2 6	150	
Door jambs	1	20 0	...	0 9	15	
Window jambs	3	17 0	...	0 9	38	
<i>Deductions.</i>						
Doors	1	4 0	...	8 0	32	85
Windows	3	3 6	...	5 0	53	
<i>Superficial feet ...</i>						
...	...	...	...	...	...	1,038
<i>Squares ...</i>						
...	...	...	...	...	...	10-38
<i>Tiled roofing with flat and pan tiles, including teak reepers, chunam bands, &c., complete rooms ...</i>						
...	...	19 0	...	21 0	399	7-79
Verandahs	2	19 0	...	10 0	380	
<i>Superficial feet ...</i>						
...	...	...	...	...	779	7-79
<i>Squares...</i>						
...	...	...	...	...	...	454
<i>Squares ...</i>						
...	...	...	...	...	...	4-54
<i>Flooring with 9 inches square pavement tiles.</i>						
Rooms	2	8 0	...	15 0	240	454
Verandahs	2	18 7½	...	5 9	214	
<i>Superficial feet ...</i>						
...	...	...	...	...	454	4-54
<i>Squares ...</i>						
...	...	...	...	...	...	4-54
<i>Lead or zinc sheet to the valleys 18 inches broad ...</i>						
...	...	12	Lineal feet.		...	
<i>Exterior drain ...</i>						
...	...	38	Lineal feet.		...	

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ABSTRACT.

Quantity.	Item.	Rate.	Per	Amount.	Total.
337 C. yds.	Excavation for foundations	...	C. yd.		
2,273 C. ft.	Concrete	...	C. ft.		
2,909 "	Brickwork in foundations	...	"		
947 "	Do. in basement	...	"		
5,361 "	Do. in superstructure	...	"		
77 "	Cut-stone if procurable at reasonable rates	...	"		
13 "	Stone under posts and trusses	...	"		
80 C. yds.	Filling in basement... ..	...	C. yd.		
532 C. ft.	Teakwood wrought and put up	...	C. ft.		
120-32 lbs.	Wrought iron in trusses	...	lb.		
387 S. ft.	Venetian and panel doors and windows with frames	...	S. ft.		
35 "	Venetian windows with frames and iron bars	...	"		
120 "	Batten doors with frames for jail	...	"		
98 "	Iron barred shutters for do.	...	"		
40 "	Ventilator frames with iron bars for jail	...	"		
2 No.	Semi-circular lights in Court-room gables	...	each.		
25 95 Sqrs.	Painting doors and windows and exposed woodwork with 3 coats of Carson's oak color	...	Sqrs.		
29-93 "	Pointing exterior	...	"		
49-02 "	Plastering and washing interior	...	"		
51-50 "	Tiled roofing complete	...	"		
21-96 "	Flooring with 9 inches square tiles including foundations	...	"		
6 12 "	Flooring with asphalt ¼ inch thick including foundations	...	"		
81 L. ft.	Lead or zinc sheets to the valleys... ..	...	L. ft.		
291 "	Exterior drain	...	"		
	Contingencies at 5 per cent	...			
<i>Registrars' and Post Offices.</i>					
58 C. yds.	Excavation for foundations	...	C. yd.		
392 C. ft.	Concrete	...	C. ft.		
505 "	Brickwork in foundations	...	"		
162 "	Do. in basement	...	"		
1,010 "	Do. in superstructure	...	"		
14 "	Cut-stone if procurable at reasonable rates	...	"		
1½ "	Stone under posts	...	"		
13 C. yds.	Filling in basement	...	C. yd.		
70 C. ft.	Teakwood wrought and put up	...	C. ft.		
32 S. ft.	Venetian and panel door with frames	...	S. ft.		
53 "	Venetian windows with frames and iron bars	...	"		
3-05 Sqrs.	Painting doors and windows and exposed woodwork with 3 coats of Carson's oak color... ..	...	Sqrs.		
3-96 "	Pointing exterior	...	"		
10-38 "	Plastering and washing interior	...	"		
7-79 "	Tiled roofing complete	...	"		

*Proceedings of the Madras Government, Public Works Department,
7th March 1877. No. 786.*

Quantity.	Item.	Rate.	Per	Amount.	Total.
	<i>Registrars' and Post Offices— (Continued.)</i>				
4.54 Sqrs.	Flooring with 9 inches square tiles including foundations ...	...	Sqrs.		
12 L. ft.	Lead or zinc sheets to valleys ...	...	L. ft.		
38 "	Exterior drain ...	...	"		
	Contingencies at 5 per cent ...	...			
	Total ...				

CHEPAUK,
6th January 1877.

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

No. 169. ORDER THEREON, 7th March 1877, No. 786.

CIVIL WORKS, No. 18.

ORDERED that the specification and
estimate of quantities be printed, and the
revised design lithographed for adoption

as the standard design for 3rd-class Taluq Cutcherry.

(True Extract.)

(Signed) W. FAREWELL, Colonel,
Acting Joint Secy. to Govt., P.W.D.,
Buildings and Roads Branch.

To District Engineers.
To the Consulting Architect to Government.
„ Judicial Department.

Exd. S. T. Austin.

Spare Copies

Gobt. of {1877} Madras.

PUBLIC WORKS.

To

DISTRICT ENGINEERS,

&c., &c., &c.

Dated March 7th.

Issued

Recd.

Encl.

G. O., 7th March 1877, No. 786.

MARCH

Nos. 168-169.

Standard designs for 3rd-class Taluk Cutcheries.—The specification and estimate of quantities ordered to be printed and the revised design lithographed for adoption as the —

12TH MAY 1883, No. 1395 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

No. 265 T.J.

Note by the Superintending Engineer, Sixth Circle, on the estimate for constructing a Sub-Magistrate's Cutcherry at Negapatam.

The estimate is prepared with reference to G.O., No. 3121 W., of 27th November 1882. Provision is made for constructing a Cutcherry and a first-class Police station combined.

- 1 Plan.
- 1 Site Plan.
- 1 Estimate.
- 1 Duplicate Abstract Estimate.

The Cutcherry and the Station-house are to be constructed under the same roof; well close by, and to divert the road at either ends of the proposed building as shown in red dotted in the accompanying site plan.

No compensation is allowed in the estimate for the land which belonging to the Municipality the Commissioners waive any claims they may have on it.

TRICHINOPOLY,
4th May 1883.

(Signed) H. R. MEAD, Lieut.-Colonel, R.E.,
Superintending Engineer, Sixth Circle.

To the Chief Engineer, Public Works Department.

MEMORANDUM.

The plans and estimate are submitted for the sanction of Government.

2. It appears to the Chief Engineer, however, that a reconsideration of the estimated provision for roof timbers is necessary before the work is carried out, and that stone slabs under the purlins on top of cross walls seem desirable as well as under the trusses.

3. The air-holes in the lock-up and police room might with advantage be converted into barred ventilators, and it is thought that there should be a door from the guard-room into the back verandah as well as the two in front. Also that the windows of the record-room should have iron bars.

4. Out-offices of some sort seem necessary, but it is presumed there are places available, or provision would have been made for them in the estimate.

CHEPAUK,
11th May 1883.

(Signed) R. H. SANKEY, Colonel, R.E.,
Chief Engineer, P.W.D.

ORDER—dated 12th May 1883, No. 1395 W., Public Works.

The estimate, amounting to Rs. 6,420, for constructing a Sub-Magistrate's Cutcherry and Police station at Negapatam, is sanctioned.

2. A sum of Rs. 5,000 is provided for the work in the current year's Provincial Budget.

3. The attention of the Superintending Engineer is called to the remarks in the Chief Engineer's memorandum above recorded.

4. This sanction has been registered as Provincial No. 28 W. of 1883-84 and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, Sixth Circle, with six Enclosures.
" Examiner, Public Works Accounts, with duplicate Abstract Estimate.
" Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1883) Madras.

PUBLIC WORKS.

Dated May, 12th.

Recd.

Encl.

G.O., 12th May 1883, No. 1395 W.

MAY.

Sub-Magistrate's Cutcherry and
Police Station at Negapatam

The estimate for constructing a —, sanc-
tioned.

No 2132.

Executive Engineer's Office,
Negapatam, 16th July 1883.

From,

The Executive Engineer
Negapatam Du
To
The Superintending Engineer
Circle.

Sir,

With reference to your Endorse-
ment No 3837 of dated 21st May/83 on
G.O. No 1395 of 12th May, I have the honor
to report as follows.

2. That on reconsidering the esti-
mated provision of roof timbers I
find that the scantling of each timber
shown in the estimate as well as the
plan, is taken from the standard
plans &c. circulated with G.O. No 786 of
7th March/77 except in a few cases which
I have altered accordingly the increased
amount of teak becomes 9.15 cft
at Rs 3 - 12 - "

3. Provision was already made
in the estimate for stone slabs under
the brusses, but they were not

shown on plan.

4. The other suggestions made by the Chief Engineer in paras 2 & 3 of his Memorandum dated 11 May 83 have been duly attended to and accordingly estimated for separately. They amount to Rs 90 making a total of Rs 125. This sum can be met from contingencies as it is within 5 per cent.

5. The Collector has informed me that out houses such as ryot's shed, Latrine &c are not wanted as there is no sub. jail attached to the butchery; hence no provision was made in the original Estimate.

I have &c.

Signed/ C. H. Wilks.

Executive Engineer.

No. 78/T.J.

Copy forwarded to the Chief Engineer P.W.D. for information with reference to para 3 of G.O. No 1395 W

of 12 May 1883.

Discharge by 3
19 July 1883

 Lt Col V. C. B.
Supd. Engineer, Sule. S.

Leak Rs 35
other " 90
125

12. 786 y. 3. 17
1395 w 12. 5. 83

No 2091 Wd/31st July/83

B

Recorded
Recorded

Cy
28/7

M.C. 4. 6175
From
The Supd Engineer
to
The Chief Engineer
Per

No 781 T.J.
Dated 19th 3 July 1883.
Per. 23

No 2091 Wd/31-7-83

Sub. Magistrate's duties
de al. hegapatani:—

Reports on various
points noticed—

12/3/80
with order
Sent to the Chief Engineer