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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

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B.P. No.	Mis.
Dated	4-6-1877 197.

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GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

3rd May 1871, No. 14 W.

Civil Works.

No. 27. Read the following letter from R. F. CHISHOLM, Esq., Consulting Architect to Government, to the Chief Engineer, Public Works Department, Buildings and Roads Branch, date Chepauk, 27th October 1876, No. 661:—

IN compliance with G.O., No. 176, dated 26th April 1876, I have the honor to submit a standard plan for Deputy Collectors' Cutcheries with the details of roof, &c., and schedule of quantities.

One Plan.
" Details.
" Specification and Estimate.

SPECIFICATION of Work to be performed in constructing a Deputy Collector's Cutcherry according to the Standard Design, dated 27th October 1876.

EXCAVATOR.

Excavating.—Excavate the trenches to the full depths shown on the drawing, or to such depths as the officer in charge of the work may direct.

Slips.—Clear away all slips which may occur during the progress of the work, and, if necessary, shore the sides in a manner to be approved by the officer in immediate charge of the work.

Baling.—In the event of wet foundations, bale the water from an excavation on the exterior of the site of the building. The officer in charge will fix the number of balers to be employed. They will be paid for extra at a daily rate to be agreed on with the petty contractor.

Filling in.—On receiving an order from the officer in charge in writing, fill in the sides of the completed masonry in layers of not greater thickness than 12 inches of material at a time. Well water and ram with approved beaters each ayer until the whole is brought up to the level of the ground.

Flooring foundation.—Fill in the upper three courses below the flooring in layers of six inches, and immediately under the floor ram three inches of broken brick rubbish to form a foundation for the flooring.

Scaffolding.—Erect, maintain, and dismantl (under orders) all necessary scaffolding and centring. The scaffolding will consist of cross braced with pieces of uprights and strongly fastened with rope.

Clearing away on completion.—On completion of the work, clear away all rubbish which may have accumulated during the progress of the work, and all implements, machinery, and materials used during its construction. Remove stains of whitewash or lime from woodwork. Oil and render efficient all door furniture and fastenings, punkah wheels, and other movable fixtures, and deliver the works up in a sound, neat, and workman-like condition.

STONE MASON.

Stones under uprights.—Provide and lay on even beds No. 20 stones under the uprights of verandahs and porch with clean-wrought martie holes for the uprights.

Stones under trusses.—Provide and lay on even beds No. 4 stones under trusses. Dress all bed stones two lines generally.

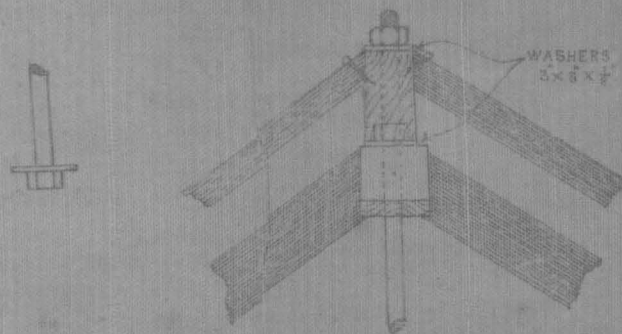
Steps.—(Where stones are procurable at a comparative cheap rate.)—Provide and lay stone steps not less than four inches in thickness tailed under masonry at least three inches. Dress

risers, treads, and joints, three lines. Hammer dress all other surfaces. Make up brickwork under steps and set in mortar truly level. All stones for steps must exceed three feet in length.

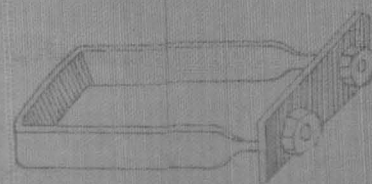
Capping to plinth.—Provide and lay No. 2 running feet of stone capping to plinth four inches in depth and not less than ten inches in breadth of bed, splayed three inches measured on the face of the splay. Fair dress all exposed surfaces two lines, and concealed surfaces one line. Salient angles not to measure less than twelve inches on either face, and hollow angles not less than nine inches.

IRONWORKER.

King-rods.—Supply to carpenter No. 2 king-rods of the forms and dimensions shown, lower end to have octagonal head and three inches by one-eighth inch washers.* The upper end nine inches of worm and double nuts and washers.†



Straps.—Supply to carpenter No. 4 straps for trusses formed of one inch by three-eighth inch iron forged to a five-eighth inch screw at ends, bearing plate one and a quarter by half inch with nuts and washers.



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

BRICKLAYER.

Concrete.—After the trenches have been dug to the full depths determined by the officer in charge of the work, well water and ram the bottom to receive the concrete. Lay and ram in two layers twelve inches of concrete, composed as follows:—Two parts broken brick (broken to pass through a one-and-a-half inch ring), one part gravel, one part sharp river sand, and one part lime.

Footing courses.—Carry up the foundations according to the detailed drawing.

Superstructure.—Build the walls two bricks thick, splay all angles of doors and windows, leave openings for doors and windows of the size and dimensions shown on the drawings, fix all nogs and other minor fastenings for the after reception of the door frames.

English bond.—Lay bricks in English bond, alternate courses of headers and stretchers, using king or queen closers only when necessary. Keep courses truly level worked to three-eighth inch mortar joints, horizontal and vertical.

Flat arches.—Construct flat arches over all openings of rubbed bricks breaking bond, and twelve inches deep on face at crown set flush with face of wall.

Defects to be made good.—After the roofing and fixtures are completed, make good all defects to the masonry caused by the execution of other works. Plug all putlog holes and remove any bad face bricks marked by the officer in charge of the work.

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.

PLASTERER.

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, and nine inches in breadth at sides and twelve inches at tops of all openings. Color wash all remaining portions.

ROOFER.

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

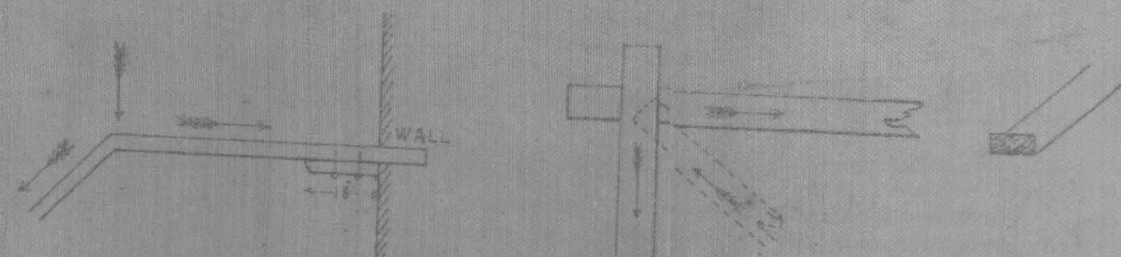
Flooring.—After the masons have brought the surface up ready to receive the floor tiles, lay an even floor of nine inches square tiles set diagonally. The tiles will be rubbed on the surface and gauged to fit each other.

CARPENTER.

Frame trusses of the dimensions and forms shown on the drawings.

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 heads a chock hollowed out so as to cover the joints will be fixed on and fastened by the first nut. (The struts having been cut to admit of the camber.) Lap a rope round 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 purlin over the wall in the centre between the trusses.

Roof of the Porch.—The roof of the porch will be supported by four uprights 4" x 4". A bressummer 6" x 4" halved over the outer piers will run over these supports the ends being let into the wall. A ridge piece let into the wall and butting with a cleat* will meet the tops of two hip rafters and butt against them by the three pieces being tenoned into a chock. The lower ends of the rafters will butt into the corner formed by the bressummers intersecting.



These joints must be neatly worked and care taken to make the cleat of the ridge piece butt fairly against the wall, or further supports will be necessary.

Doors and Windows.—Provide frame and fix all the necessary doors and windows.

PAINTER.

Paint all doors and windows and exposed woodwork with three coats of Carson's oak color, and the woodwork of the roof with three coats of wool-oil.

WORKMANSHIP AND MATERIALS.

The wood will be teak (or specify any other kind of timber) well seasoned and free from knots or other defects, clean wrought and finished with European tools. All mortices, mitres, and joints of every description will be carefully cut and executed in a clean and workman-like manner.

The iron will be that known as clean wrought and welded hot with an approved lap. All bolts will be provided with washers twice the diameter of the nut or head. (specify the particular quality procurable)

The concrete will be composed of one part broken brick, one part sand, one part gravel, and one part lime well mixed and thrown in a semi-fluid state. The bricks will be of (here specify the quality or quantities) cast from moulds inches by inches by inches. The mortar will be composed of part shell lime and part river sand well pounded and mixed fresh before using. The white and color wash will have a proportion of glue mixed not for sizing.

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

Estimate for constructing a Deputy Collector's Outcherry.

DETAILED QUANTITIES.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Excavation for Foundations.</i>						
Court, front, rear and side walls ...	...	94 0	5 0	4 0	1,880	
Private room, front and rear walls ...	2	6 6	5 0	4 0	260	
Do. "do." end wall ...	1	30 9	6 0	4 0	738	
Record and waiting room, front, rear, and side walls ...	...	53 6	5 0	4 0	1,070	
Do. partition wall ...	1	3 6	4 9	4 0	162	
Clerks' room, front and rear wall ...	2	6 6	5 0	4 0	260	
Do., end wall ...	1	36 6	6 0	4 0	876	
Verandah walls ...	...	59 0	3 10	4 0	905	
Porch wall ...	1	19 6	5 0	4 0	390	
Steps ...	1	15 0	3 0	1 6	68	
Do. ...	1	7 6	3 0	1 6	34	
Cubic feet ...	...	...	...	...	6,643	
Cubic yards ...	...	...	...	...	...	246
<i>Concrete, 12 inches thick.</i>						
$\frac{1}{4}$ of excavation = $\frac{6,541}{4}$ = ...	...	...	...	...	1,635 $\frac{1}{4}$	
For steps $\frac{1}{3}$ of excavation = $\frac{102}{3}$ = ...	...	...	...	...	34	
Cubic feet ...	...	...	...	...	1,669 $\frac{1}{4}$	
<i>Brickwork in Foundations footings.</i>						
Court, front, rear, and side walls ...	...	94 0	2 10	1 6	400	
Private room, front, rear, and end walls ...	...	36 8	2 10	1 6	152	
Record and waiting room, do. ...	...	56 8	2 10	1 6	237	
Do. partition wall ...	1	10 8	2 7	1 6	41	
Clerks' room, front, rear, and end walls ...	1	36 8	2 10	1 6	169	
Verandah walls ...	...	86 4	1 10	1 6	237	
Porch wall ...	1	17 4	2 10	1 6	74	
<i>Above footings to ground level.</i>						
Court, front, rear, and side walls ...	...	94 0	1 6	1 6	212	
Private room, front, rear, and end walls ...	...	37 0	1 6	1 6	83	
Record and waiting room, do. ...	...	57 0	1 6	1 6	128	
Do. partition wall ...	1	12 0	1 3	1 6	23	
Clerks' room, front, rear, and end wall ...	...	41 0	1 6	1 6	92	
Verandah walls ...	...	89 0	0 10	1 6	111	
Do. end ...	1	31 10	0 10	3 0	80	
Do. do. ...	1	26 1	0 10	3 0	65	
Porch wall ...	1	16 0	1 6	1 6	36	
Steps ...	1	15 0	3 0	1 0	45	
Do. ...	1	7 6	3 0	1 0	23	
Plinth ...	...	30 0	0 3	1 6	11	
Cubic feet ...	...	...	...	...	2,219	
<i>Brickwork in basement.</i>						
Court, front, rear, and side walls ...	...	94 0	1 6	1 6	212	
Private rooms, front, rear, and end walls ...	...	37 0	1 6	1 6	83	
Record and waiting room, do. ...	...	57 0	1 6	1 6	128	
Do. partition wall ...	1	12 0	1 3	1 6	23	
Clerks' room, front, rear, and end walls ...	...	41 0	1 6	1 6	92	
Verandah walls ...	...	146 11	0 10	1 6	184	
Porch wall ...	1	16 0	1 6	1 6	36	
Steps ...	1	15 0	3 0	0 6	23	
Do. ...	1	13 0	2 0	0 6	13	
Do. ...	1	11 0	1 0	0 6	6	

DETAILED QUANTITIES—(Continued).

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Brickwork in basement—(Contd.)</i>						
Steps	1	7 6	3 0	0 6	11	
Do.	1	6 6	2 0	0 6	7	
Do.	1	5 6	1 0	0 6	3	
Plinth	1	30 0	0 3	1 6	11	832
<i>Deductions.</i>						
Cutstone work as per details					80	
Do. under posts do.					8	88
Cubic feet						744
<i>Brickwork in superstructure.</i>						
Court, front, rear, and side walls	94	0	1 6	12 0	1,692	
Gables	2	19 6	1 6	3 6	205	
Private room, front, rear, and end walls	37	0	1 6	11 0	611	
Do. gable	1	15 6	1 6	2 9	64	
Do. do.	1	14 0	1 6	2 0	42	
Record and waiting room, front and side wall	33	0	1 6	11 0	545	
Do. rear wall	1	12 0	1 6	7 6	135	
Do. sides of verandah	2	6 0	1 6	9 3	167	
Do. partition wall	1	12 0	1 3	17 6	263	
Do. gable	1	19 6	1 6	3 6	102	
Do. do.	1	18 0	1 6	2 9	74	
Clerks' room, front, rear, and end wall	41	0	1 6	11 0	677	
Do. gable	1	19 6	1 6	3 6	102	4,679
<i>Deductions.</i>						
Doors, flat arches, & rds of	12	4 0	1 6	7 4	352	
Windows, do.	2	4 0	1 6	4 0	32	
Do., do.	2	2 0	1 6	5 0	20	
Do., do.	4	2 0	1 6	4 0	32	
Do., do.	3	1 9	1 6	4 0	21	
Stones under trusses					3	460
Cubic feet						4,219
<i>N.B.—The area of court ventilators not deducted, and one-third the area of doors and windows allowed to cover expense of centring and arch-work.</i>						
<i>Cutstone work (if procurable at reasonable rates).</i>						
Capping to plinth	160	0	0 10	0 4	44	
Do.	1	16 0	1 6	0 4	8	
Steps	1	45 0	1 3	0 4	19	
Do.	1	22 6	1 3	0 4	9	
Cubic feet					80	
<i>Stones under Posts and Trusses.</i>						
Under posts	16	1 0	1 0	0 4	5	
Do. in porch	4	1 6	1 6	0 4	3	
Under trusses	4	1 6	1 6	0 4	3	
Cubic feet					11	
<i>Earth filling in basement.</i>						
Court	26	0	18 0	1 0	468	
Private room	10	0	14 0	1 0	140	

DETAILED QUANTITIES—(Continued).

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Earth filling in basement—(Continued).</i>						
Record room	12	0	13 7½	1 0	164	
Waiting room	12	0	9 1½	1 0	110	
Clerks' room	18	0	10 0	1 0	180	
Verandahs	35	8	5 5	1 0	464	
Do. ends	38	0	1 8	1 0	63	
Cubic feet					1,589	
Cubic yards						59
<i>Teakwood.</i>						
<i>Court—</i>						
2 Trusses, 18 feet span. (Tie beams	2	21 0	0 4	0 6	7	
(Principal rafters	4	11 3	0 4	0 5	6	
(Struts	4	5 4	0 4	0 4	2	
Purlins	2	34 6	0 6	0 6	17	
Wall purlins	2	34 6	0 4	0 4	8	
Do. supports	2	1 0	1 0	0 4	1	
Ridge	1	34 6	0 3	0 9	6	
Common rafters	25	15 0	0 2½	0 4	26	
Do.	23	12 6	0 2½	0 4	19	
Private room—Purlins	2	15 6	0 6	0 6	8	
Wall purlins	2	15 6	0 4	0 4	3	
Do. supports	2	1 0	1 0	0 4	1	
Ridge	1	20 0	0 3	0 9	4	
Common rafters	24	10 0	0 2½	0 4	17	
Record and waiting room—Purlins	3	14 6	0 6	0 6	11	
Wall purlins	2	14 6	0 4	0 4	3	
Do. supports	2	1 0	1 0	0 4	1	
Ridge	1	20 6	0 3	0 9	4	
Common rafters	22	12 3	0 2½	0 4	19	
Do.	9	9 9	0 2½	0 4	6	
Clerks' room—Purlins	2	15 0	0 6	0 6	8	
Wall purlins	2	15 0	0 4	0 4	3	
Do. supports	2	1 0	1 0	0 4	1	
Ridge	1	15 0	0 3	0 9	3	
Common rafters	22	12 3	0 2½	0 4	19	
Verandah—Rafters	55	9 9	0 2½	0 4	37	
Do.	11	8 0	0 2½	0 4	6	
Posts	13	0 4	0 4	7 3	10	
Do.	3	0 4	0 4	8 0	3	
Bressummers	93	0	0 4	0 6	16	
Porch—Posts	4	9 5	0 4	0 4	4	
Struts	4	2 3	0 3	0 6	1	
Carved pieces between posts	2	1 7½	0 3	1 9	1	
Bressummers	2	15 0	0 4	0 6	5	
Do.	1	17 4	0 4	0 6	3	
Ridge	1	8 6	0 4	0 6	2	
Cleat	1	1 6	0 4	0 6	2	
Rafters	16	10 9	0 2½	0 3	9	
Collar pieces	5	7 0	0 2½	0 3	2	
Hip rafters	2	10 3	0 3	0 5	2	
Barge board for Court	2	30 2	0 3	1 6	23	
Do. for ends	1	36 6	0 2	0 11	6	
Do. do.	1	41 6	0 2	0 11	6	
Eaves board all round	190	0	0 1	0 6	8	
Cubic feet					347	

DETAILED QUANTITIES—(Continued).

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Wrought Ironwork in Trusses.</i>						
1 inch diar. king rods for trusses ...	2	7 6	15 0	× 2-62	39-30	
1 inch hex nuts and bolt heads for trusses ...	2	...	...	× 1-65	3-30	
3 inches × 3 inches × $\frac{1}{2}$ inch washers for do. ...	6	...	...	× 0-32	1-92	
2 inches × $\frac{3}{4}$ inch flat iron straps ...	4	3 0	12 0	× 2-50	30-00	
2 $\frac{1}{2}$ inches × $\frac{1}{2}$ inch bearing plates ...	4	0 9	3 0	× 3-76	11-23	
$\frac{1}{2}$ inch hex nuts for securing straps to plates ...	8	...	...	× 0-13	1-04	
2 inches × 2 inches × $\frac{1}{2}$ inch washers for securing straps to plates ...	8	...	...	× 0-14	1-12	
lbs. ...	...	...	...	...	87-95	
Doors one-third Panel and two-thirds Venetians with Frames ...	12	4 0	...	7 4	352	Supl. ft.
Venetian windows with frames ...	1	4 0	...	4 0	16	
	2	2 0	...	5 0	20	
	2	2 0	...	4 0	16	
	3	1 9	...	4 0	21	
Superficial feet ...	...	...	...	...	73	
<i>Venetian Windows with Frames and Iron Bars.</i>						
For record room ...	1	4 0	...	4 0	16	
Do. ...	2	2 0	...	4 0	16	
Superficial feet ...	...	...	...	...	32	
Ventilators in gables ...	2 in number.	...	...	...	...	
<i>Painting with three coats of "Carson's Oak Color."</i>						
Doors, panel portion ...	2 × 12	4 0	...	2 6	240	
Do. venetians ...	3 × 12	4 0	...	4 10	696	
Venetian windows ...	3 × 1	4 0	...	4 0	48	
Do. with iron bars ...	4 × 1	4 0	...	4 0	64	
Do. windows ...	3 × 2	2 0	...	5 0	60	
Do. ...	3 × 2	2 0	...	4 0	48	
Do. with iron bars ...	4 × 2	2 0	...	4 0	64	
Venetian windows ...	3 × 3	1 9	...	4 0	63	
Ventilators in gables ...	2 × 2	4 0	...	2 0	32	
Verandah posts ...	13	1 4	...	7 3	126	
Do. ...	3	1 4	...	8 0	32	
Porch posts ...	4	1 4	...	9 0	48	
Do. struts ...	4	1 4	...	2 3	12	
Pieces between posts ...	2	1 6	...	1 9	5	
Barge board ...	2	30 2	...	1 6	91	
Do. ...	1	36 6	...	1 1	40	
Do. ...	1	41 6	...	1 1	45	
Eaves board ...	...	190 0	...	0 7	111	
Superficial feet ...	...	...	...	...	1,825	
Squares ...	...	...	...	...	...	18-25

DETAILED QUANTITIES—(Continued).

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Painting woodwork in roof with three coats of wood-oil.</i>						
Court—Tie beams ...	2	18 0	...	1 8	60	
Principal rafters ...	4	11 2	...	1 2	53	
Struts ...	4	5 4	...	1 4	28	
Purlins ...	2	31 6	...	1 6	95	
Wall purlins ...	2	31 6	...	0 4	21	
Ridge ...	1	31 6	...	1 3	39	
Common rafters ...	25	13 6	...	0 10 $\frac{1}{2}$	295	
Do. ...	23	11 0	...	0 10 $\frac{1}{2}$	221	
Private room—Purlins ...	2	12 6	...	1 6	38	
Wall purlins ...	2	12 6	...	0 4	8	
Ridge ...	1	12 6	...	1 3	16	
Common rafters ...	24	8 6	...	0 10 $\frac{1}{2}$	179	
Record and waiting room—Purlins ...	3	12 0	...	1 6	54	
Wall purlins ...	2	12 0	...	0 4	8	
Ridge ...	1	12 0	...	1 3	15	
Common rafters ...	22	11 0	...	0 10 $\frac{1}{2}$	212	
Do. ...	9	8 3	...	0 10 $\frac{1}{2}$	65	
Clerks' room—Purlins ...	2	12 6	...	1 6	38	
Wall purlins ...	2	12 6	...	0 4	8	
Ridge ...	1	12 6	...	1 3	16	
Common rafters ...	22	10 9	...	0 10 $\frac{1}{2}$	207	
Verandah do. ...	55	8 6	...	0 10 $\frac{1}{2}$	409	
Do. ...	11	6 9	...	0 10 $\frac{1}{2}$	65	
Bressummers ...	...	88 9	...	1 4	118	
Porch—Bressummers ...	...	45 0	...	1 4	60	
Ridge ...	1	7 6	...	1 4	10	
Rafters ...	16	10 9	...	0 8 $\frac{1}{2}$	122	
Collar pieces ...	5	7 0	...	0 11	32	
Hip rafters ...	2	10 3	...	1 1	22	
Superficial feet ...	...	...	...	...	2,514	
Squares ...	...	...	...	...	...	25-14
<i>Tiled roofing including flat and pan tiles, teak respers, and chunam borders, complete.</i>						
Court ...	...	32 0	...	15 3	488	
Do. ...	...	36 0	...	11 0	396	
Private room ...	...	17 0	...	21 0	357	
Waiting do. ...	...	13 6	...	12 6	169	
Record do. ...	...	13 6	...	21 0	284	
Do. over court room ...	...	3 9	...	25 0	94	
Clerks' room ...	...	14 0	...	25 0	350	
Verandahs ...	...	75 0	...	8 6	638	
Do. ...	...	14 0	...	6 9	95	
Porch ...	...	15 6	...	22 0	341	
Superficial feet ...	...	...	...	...	3,212	
Squares ...	...	...	...	...	...	32-12
<i>Flooring with 9 inches square bricks including foundations.</i>						
Court ...	...	26 0	...	18 0	468	
Private room ...	...	16 0	...	14 0	140	
Record do. ...	...	12 0	...	13 7 $\frac{1}{2}$	164	

DETAILED QUANTITIES—(Continued).

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Flooring with 9 inches square bricks including foundations—(Contd.)</i>						
Waiting room ...	...	12 0	...	9 1½	110	
Clerks' do. ...	...	10 0	...	18 0	180	
Verandahs ...	...	72 6	...	5 5	393	
Do. ...	...	13 2	...	3 8	48	
Do. ends ...	...	38 0	...	1 8	63	
Doors, pieces ...	12	4 0	...	1 6	72	
Superficial feet ...	...	...	...	...	1,638	
Squares ...	...	...	...	...	...	16·38
<i>Plastering interior.</i>						
Court walls ...	...	88 0	...	12 0	1,056	
Gables ...	2	18 0	...	3 3	117	
Private room walls ...	...	48 0	...	11 0	528	
Gable ...	3	14 0	...	2 6	35	
Do. ...	1	12 6	...	2 0	25	
Record and waiting room walls ...	...	48 6	...	11 0	534	
Do. do. ...	2	12 0	...	17 3	414	
Do. do. ...	1	12 0	...	7 6	90	
Do. do. ...	2	4 6	...	9 0	81	
Gable ...	1	18 0	...	3 3	59	
Do. ...	1	16 0	...	2 6	40	
Clerks' room walls ...	...	56 0	...	11 0	616	
Gables ...	2	18 0	...	3 3	117	
Door jambs ...	8	18 8	...	0 9	112	
Do. ...	4	18 8	...	1 6	112	
Window jambs ...	2	16 0	...	0 9	24	
Do. ...	2	14 0	...	0 9	21	
Do. ...	4	12 0	...	0 9	36	
Do. ...	3	11 6	...	0 9	26	
Ventilators ...	2	12 0	...	0 9	18	
Deductions.						4,061
Doors ...	8	4 0	...	7 4	235	
Do. ...	2 ×	4 0	...	7 4	235	
Windows ...	2	4 0	...	4 0	32	
Do. ...	2	2 0	...	5 0	20	
Do. ...	4	2 0	...	4 0	32	
Do. ...	3	1 9	...	4 0	21	
Ventilators ...	2	4 0	...	2 0	16	
Superficial feet ...	...	...	...	...	...	3,470
Squares ...	...	...	...	...	...	34·70
<i>Pointing exterior.</i>						
Court walls ...	...	60 6	...	12 0	726	
Gables ...	2	21 0	...	3 6	147	
Private room walls ...	...	40 0	...	11 0	440	
Gable ...	1	17 0	...	2 9	47	
Record, waiting and clerks' room walls ...	...	57 6	...	11 0	633	
Do. do. ...	1	15 0	...	7 6	113	
Do. do. ...	2	6 0	...	9 3	111	
Basement all round ...	...	231 0	...	1 6	347	
Door jambs ...	8	18 8	...	0 9	112	

DETAILED QUANTITIES—(Continued).

Description of Work.	No.	Length	Breadth.	Depth.	Contents.	Total.
Window jambs...	2	10 0	...	0 9	24	2,801
Do.	2	10 0	...	0 9	21	
Do.	4	12 0	...	0 9	36	
Do.	3	11 6	...	0 9	26	
Ventilator do.	2	12 0	...	0 9	18	
<i>Deductions.</i>						
Doors	8	4 0	...	7 4	235	356
Windows	2	4 0	...	4 0	32	
Do.	2	2 0	...	5 0	20	
Do.	4	2 0	...	4 0	32	
Do.	3	1 9	...	4 0	21	
Ventilators	2	4 0	...	2 0	16	
						356
Superficial feet ...	...	...	...	...	...	2,445
Squares ...	...	...	...	...	...	24·45
<i>Lead or zinc sheeting.</i>						
For valleys 18 inches broad ...	...	...	...	...	51	Lineal ft.
<i>Lead or zinc flashings.</i>						
Porch ...	...	...	...	...	22	59
Verandahs ...	...	...	...	...	37	
						59
						Lineal ft.
Dental Cornice—						
Court room ...	...	...	...	...	88	
Windows at ends ...	2	3 0	...	...	6	
Do.	1	5 0	...	...	5	
						99
						Lineal ft.

ABSTRACT.

Quantity.	Item.	Rate.	Per	Amount.	Total.
246 Cubic yds.	Excavation for foundations ...	RS. A. P.	C. yd.	RS. A. P.	RS. A. P.
1,669½ "	feet. Concrete ...		C. foot.		
2,219 Do.	Brickwork in foundations ...		"		
744 Do.	Do. in basement ...		"		
4,219 Do.	Do. in superstructure ...		"		
80 Do.	Outstone work, if procurable at reasonable rates ...		"		
11 Do.	Stone under posts and trusses ...		"		
59 Cubic yds.	Earth filling in basement ...		C. yd.		
347 Cubic feet.	Teakwood wrought and put up ...		C. ft.		
87·96 lbs.	Wrought ironwork in trusses ...		lb.		
352 S. feet.	Doors, panel, and venetian with frames ...		Sq. ft.		
73 Do.	Windows, venetian with frames ...		"		
32 Do.	Venetian, windows with frames and iron bars ...		"		

ABSTRACT—(Continued).

Quantity.	Item.	Rate.	Per	Amount.	Total.
2 No.	Ventilators in gables ...	RS. A. P.	No.	RS. A. P.	RS. A. P.
18-25 Squares.	Painting with three coats of Car- son's oak color ...		Sqrs.		
25-14 Do.	Painting woodwork in roof with three coats of wood oil ...		"		
32-12 Do.	Tiled roofing with flat and pan tiles, teak reapers and chu- nam bands complete ...		"		
16-38 Do.	Flooring with 9 inches square bricks including foundations ...		"		
34-70 Do.	Plastering interior ...		"		
24-45 Do.	Pointing exterior ...		"		
51 L. feet.	Lead or zinc sheeting for valleys of roof 18 inches broad ...		L. ft.		
59 Do.	Lead or zinc flashings ...		"		
99 Do.	Dental cornice ...		"		
...	Contingencies at 5 per cent. ...		"		
	Total ...				

CHEPAUK,
27th October 1876.(Signed) R. F. CHISHOLM,
Consulting Architect to Government.

To the Examiner of Public Works Accounts.

No. 28.

ORDER THEREON, 3rd May 1877, No. 14 W.

ORDERED that the specification and estimate of quantities be printed and the revised design lithographed for adoption as the standard design for Deputy Collectors' Cutcheries.

(True Extract.)

(Signed) E. A. FOORD, Colonel, R.E.,
Secretary to Government, P.W.D.To District Engineers.
To the Consulting Architect.
To the Judicial Department.

Order in the Judicial Department 29 May 1877 No. 132

Communicated to the Revenue Department and
to the Board of Revenue.

Exd. E. C. Shunker.

Spare Copies

To the Revenue Department
and Board of Revenue

31/5

True Extract

W. H. Sharkey
Sgt. Secy

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1877 Madras.
PUBLIC WORKS.

To

DISTRICT ENGINEERS,

&c., &c., &c.

Dated May 3rd.

Issued

Recd.

Encl.

G.O., 3rd May 1877, No. 14 W.

MAY.

Nos. 27-28.

Standard Design for Deputy Collectors' Cutcheries.—The specification and estimate of quantities ordered to be printed and the revised design lithographed as the —.

18-1-88
1-7-90
25-5-91

4 June 1877
Revenue 1877 Dep't
No 2708
Ms

Pro. of Govt Judicial Dept

Dated 29th }
Received 31 } May 1877

No 1327
En 2

(8)

Communicating
Proceedings P.W. Dept,
ordering the specification
and estimate of quantities
be printed and the revised
design lithographed as the
Standard Design for Deputy
Collector's Cutcherry

4th June No 3132

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