

Judicial (1895.) Department.

ORDINARY MS.

G.O., No. 2398.

Dated 20th Nov: 1895.

INDEXED.

[Despatch Abstract.]

TYPE DESIGN.

Communicating to the Inspector-General of Police and Prisons
Proceedings, Public Works Department, circulating the--with schedule
of quantities, for a Stationary Sub-Magistrate's office with tiled roof
-ing.

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BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Annexure to G.O. No. 1948 W., dated 6th August 1895.

REPORT and specification to accompany the plan and estimate for standard design for a Stationary Sub-Magistrate's office with Mangalore tiled roofing according drawing signed by the Consulting Architect to Government on the 8th April 1895.
Amount of estimate, Rs. 8,290, according to Madras rates.

DESCRIPTION SPECIFICATION.

Foundations.—A depth of 4½ feet is provided in the quantities, but this should be settled locally in accordance with the nature of soil.

Walling.—The walls should be carried up in English bond, according to the various thicknesses shown on the drawing, 1½ and 2 bricks thick.

Stone work.—Stone slabs should be placed at the bearings of trusses and lintel for the ventilators of clerks and private rooms and stone bases for verandah posts 9" × 9" × 12" with mortice holes 2" square and 2" deep into which the posts will be tenoned. The steps may also be of stone if procurable without great expense.

Woodwork.—The trusses and verandah posts should be of well seasoned Burma teak, the rafters and minor roof timbers may be of approved country wood, proof against white ants.

Doors and windows.—The doors and windows to be of well seasoned Burma teakwood. All doors opening into verandahs will be of ½ panel and ⅔ venetians. Inner doors to be panelled throughout. The windows for the record and retiring rooms will have single venetian shutters opening outside, with fixed glazed heads and ⅜" square iron bars set diagonally. The ventilators on north and south sides will consist of ⅜" glazed shutters to open and shut on side pivots, on the east and west sides the ventilators will have teak panelled shutters.

Roofing.—The roof will be covered with Mangalore tiles on teak reapers 2" × 1" about 11½" apart. All valleys should be protected with zinc sheets. Ceiling of teak planking ½" thick should be screwed to underside of rafters over lapping 1" at joints.

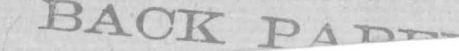
Flooring.—The floor will consist of Cuddapah slabs about 2" thick laid on a 4" bed of concrete and neatly pointed with asphalte. If Cuddapah slabs are not easily procurable, the floor may be of square bricks on a bed of 5" concrete, in which case the record-room should be floored with asphalte. Where the soil is damp, the filling in below the floor should be of river sand. The floor of verandahs will be laid with a fall outwards of 1 inch to 4 feet.

Interior and Exterior finishing.—The interior walls will be fine plastered and polished or plastered and white washed. Where good bricks or stone is obtainable, the exterior should be pointed. Black pointing for brick work with a composition of asphalte, tar and sand neatly executed is preferable, as it shows the brick work to advantage and is very durable. In damp soil the exterior plinth and interior wall to a height of say 3 feet above floor, should also be plastered with Portland cement. The wood work of roof to be stained with three coats wood oil and the doors and windows painted with three coats Oak paint.

The different kinds of work to be done will be executed in conformity with the standard specification of the Public Works Department.

(Signed) H. IRWIN,
Consulting Architect to Government.

G.O.	No.
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W. E. C. C. C.
Sup't Technical Section
Chief Engineers Office P.W.L.

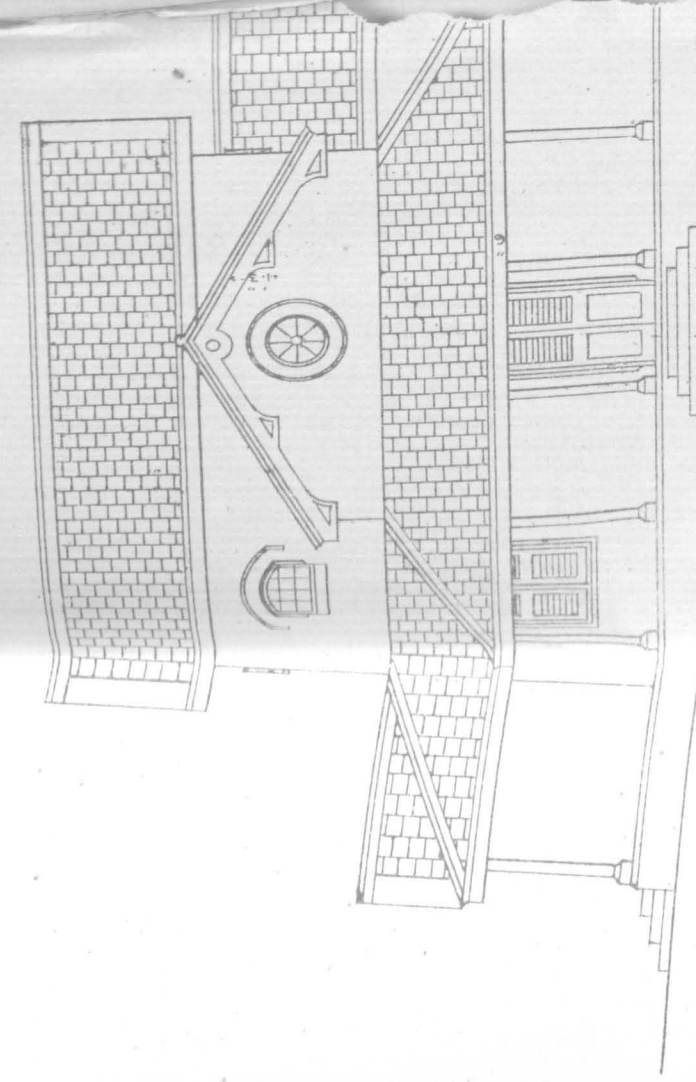
AREA (EXCLUSIVE OF STEPS) = 3373 sq.
COST PER SQ FOOT AT MADRAS RATES Rs 2-5-3

WITH TILED ROOFING

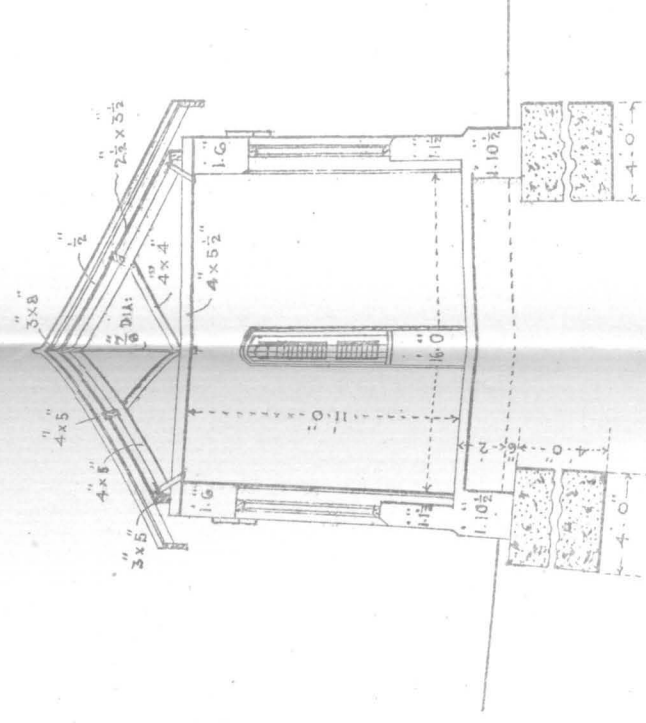
Accompaniment to G.O. No.

W dated 6th August 1895.

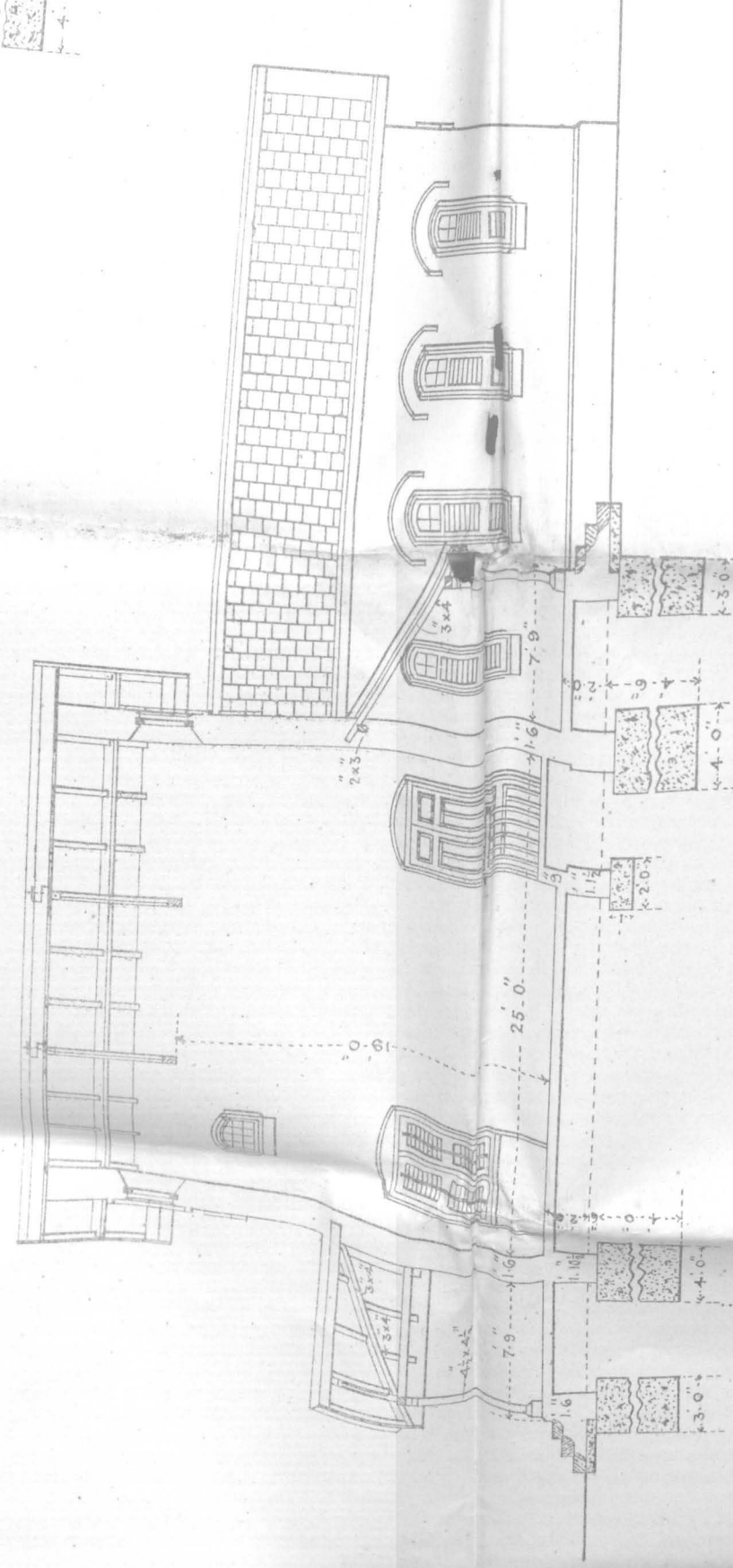
No.



SIDE ELEVATION



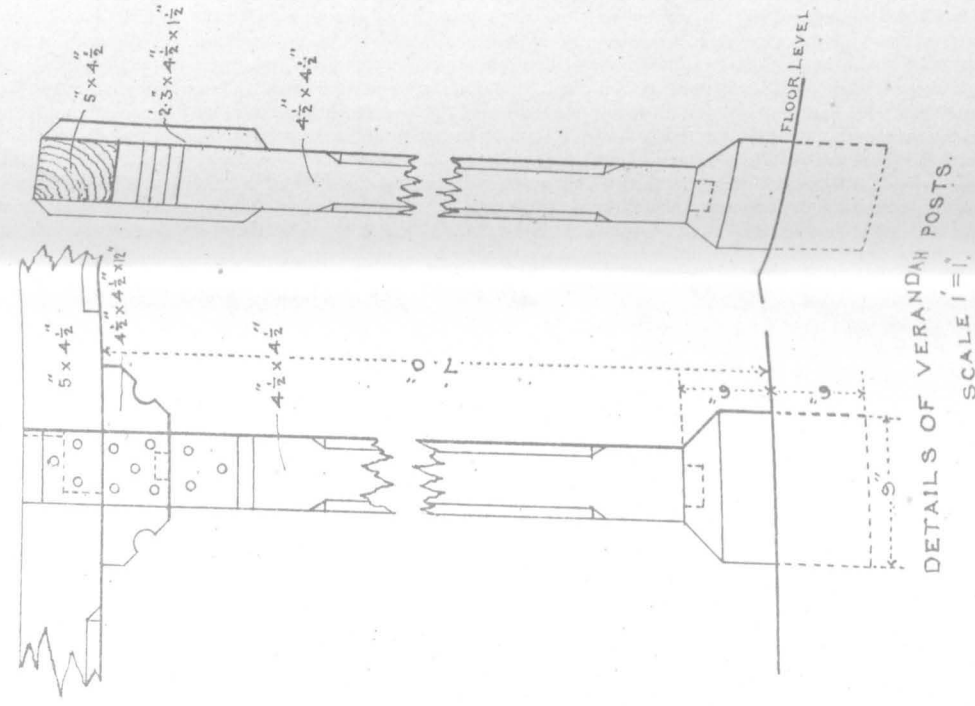
SECTION ON C. D.



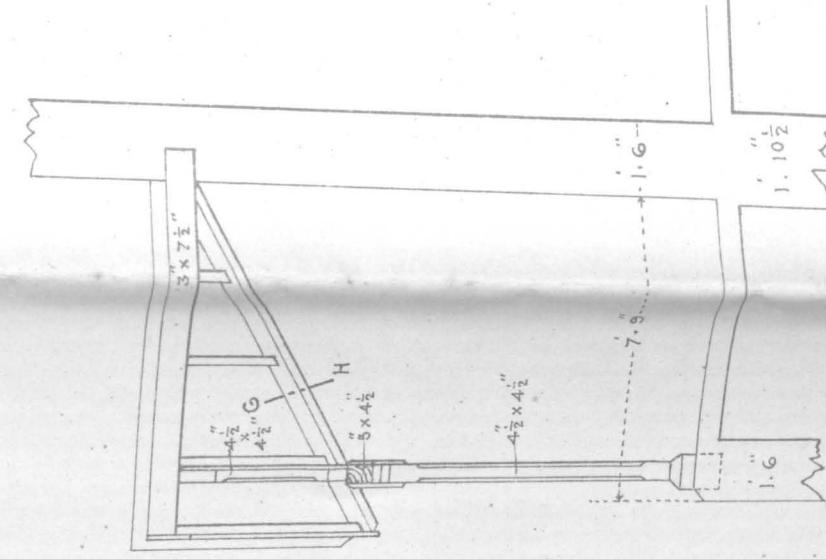
SECTION ON E. F.



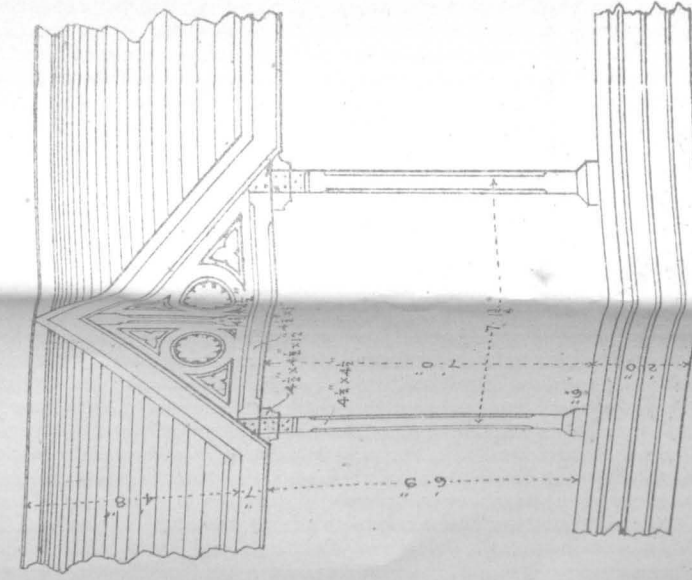
SECTION OF VALLEY RAFTER & GUTTER ON G. H.
SCALE 1"=1'



DETAILS OF VERANDAH POSTS.
SCALE 1"=1'



SECTION
SCALE 1"=1'



DETAIL ELEVATION OF FRONT GABLE.
SCALE 1"=1'

(Signed)

Henry Irwin C.E.
Consulting Architect to Govt.
8th April 1895.

(Signed) C.H.B. Burton
Dy. Chief Engineer P.W.D.

Annexure to G.O. No. 1948 W., dated 6th August 1895.

REPORT and specification to accompany the plan and estimate for standard design for a Stationary Sub-Magistrate's office with Mangalore tiled roofing according drawing signed by the Consulting Architect to Government on the 8th April 1895.

Amount of estimate, Rs. 8,290, according to Madras rates.

DESCRIPTION SPECIFICATION.

Foundations.—A depth of $4\frac{1}{2}$ feet is provided in the quantities, but this should be settled locally in accordance with the nature of soil.

Walling.—The walls should be carried up in English bond, according to the various thicknesses shown on the drawing, $1\frac{1}{2}$ and 2 bricks thick.

Stone work.—Stone slabs should be placed at the bearings of trusses and lintel for the ventilators of clerks and private rooms and stone bases for verandah posts $9" \times 9" \times 12"$ with mortice holes $2"$ square and $2"$ deep into which the posts will be tenoned. The steps may also be of stone if procurable without great expense.

Woodwork.—The trusses and verandah posts should be of well seasoned Burma teak, the rafters and minor roof timbers may be of approved country wood, proof against white ants.

Doors and windows.—The doors and windows to be of well seasoned Burma teakwood. All doors opening into verandahs will be of $\frac{1}{2}$ panel and $\frac{2}{3}$ venetians. Inner doors to be panelled throughout. The windows for the record and retiring rooms will have single venetian shutters opening outside, with fixed glazed heads and $\frac{3}{4}"$ square iron bars set diagonally. The ventilators on north and south sides will consist of a glazed shutters to open and shut on side pivots, on the east and west sides the ventilators will have teak panelled shutters.

Roofing.—The roof will be covered with Mangalore tiles on teak reepers $2" \times 1"$ about $11\frac{1}{2}"$ apart. All valleys should be protected with zinc sheets. Ceiling of teak planking $\frac{1}{2}"$ thick should be screwed to underside of rafters over lapping $1"$ at joints.

Flooring.—The floor will consist of Cuddapah slabs about $2"$ thick laid on a $4"$ bed of concrete and neatly pointed with asphalte. If Cuddapah slabs are not easily procurable, the floor may be of square bricks on a bed of $5"$ concrete, in which case the record-room should be floored with asphalte. Where the soil is damp, the filling in below the floor should be of river sand. The floor of verandahs will be laid with a fall outwards of 1 inch to 4 feet.

Interior and Exterior finishing.—The interior walls will be fine plastered and polished or plastered and white washed. Where good bricks or stone is obtainable, the exterior should be pointed. Black pointing for brick work with a composition of asphalte, tar and sand neatly executed is preferable, as it shows the brick work to advantage and is very durable. In damp soil the exterior plinth and interior wall to a height of say 3 feet above floor, should also be plastered with Portland cement. The wood work of roof to be stained with three coats wood oil and the doors and windows painted with three coats Oak paint.

The different kinds of work to be done will be executed in conformity with the standard specification of the Public Works Department.

(Signed) H. IRWIN,
Consulting Architect to Government.

Estimate for constructing a Sub-Magistrate's office with Mangalore tiled roofing.
Detail Measurements.

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Excavation for foundation.</i>						
		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Court room walls	1	92 0				
Private do.	1	40 6				
Clerks do.	1	67 6				
Record do.	1	68 6				
		268 6	4 0	4 6	4,833	
Verandah rectangular walls	1	213 6	3 0	4 6	2,882	
Retiring room side walls	2	4 4½	3 0	4 6	118	
Dais in Court room	1	16 0	2 0	1 6	40	
Steps, front	1	22 6				
Do. rear	1	11 3				
Do. sides	2	10 0				
		53 9	2 3	0 6	60	
Total, Cubic feet						7,933
<i>Concrete.</i>						
Walls as above	1	268 6	4 0	4 0	4,296	
Do.	1	222 3	3 0	4 0	2,667	
Steps as above	1	53 9	3 0	0 6	81	
Dais in Court room	1	16 0	2 0	1 0	32	
Total, Cubic feet						7,076
<i>Brickwork in foundation and basement.</i>						
Court room walls		92 0				
Private do.		42 7½				
Clerk do.		69 7½				
Record do.		70 7½				
		274 10½	1 10½	2 6	1,288	
Retaining walls	2	215 6½				
Retiring (bath) room side walls		6 0½				
		227 7½	1 6	2 6	854	
Dais in Court room	1	18 6	1 1½	2 6	52	
Steps, front	1	22 0				
Do. rear	1	10 9				
Do. sides	2	9 6				
		51 9	3 0	0 6	78	
Steps, front	1	20 0				
Do. rear	1	8 9				
Do. sides	2	7 6				
		43 9	2 0	0 6	44	
Steps, front	1	18 0				
Do. rear	1	6 9				
Do. sides	2	5 6				
		35 9	1 0	0 6	18	
Total, Cubic feet						2,334
<i>Brickwork in superstructure.</i>						
Court room walls	1	92 0	1 6	19 6½	2,697	
Do. gable walls	2	21 0	1 6	3 6	221	
Private gable wall	1	43 0				
Clerks do.	1	70 0				
		113 0	1 6	14 1½	2,394	
Private and clerks room gable walls	1	19 0	1 6	3 3	186	
Record-room wall	1	71 0	1 6	11 5½	1,220	
Do. gable wall, outer	1	19 0	1 6	3 3	93	
Do. do. inner	1	9 0	1 6	1 6	20	
Bath-room rear walls	1	6 6	1 1½	7 0	51	
Do. rear side walls	2	7 6½	1 1½	9 6	162	
Dais wall	1	18 6	1 0	1 0	14	
Do. steps	2	3 0	0 9	0 6	3	

Detail Measurements—cont.

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Brickwork in superstructure—cont.</i>						
		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Deduct—	8	4 6	1 6	8 6	459	
Doors all round	1	3 0	1 6	8 6	38	
Do. in private room	1	2 6	1 1½	7 0	20	
Do. to bath-room	6	4 6	1 6	5 9	233	
Windows to main rooms	6	4 6	0 4½	2 9	28	
Do. recess below cill	2	3 0	1 6	5 9	52	
Do. at sides of dais	2	3 0	0 4½	2 9	6	
Do. recess below cill	9	2 0	1 6	4 6	122	
Do. to record-room	1	2 0	1 1½	4 6	10	
Do. to bath-room	10	2 0	0 4½	2 9	21	
Do. to bath recess below cill	6	3 0	1 6	1 9	47	
Ventilators for clerks and private rooms						
Lintel stone over ventilators for clerks and private rooms	6	5 0	1 6	0 6	23	
Ventilators for Court room	6	3 0	1 6	2 0	54	
Do. circular	4	4'909 area		1 6	29	
Archwork as per details					349	
						1,511
Total, Cubic feet						5,549
<i>Archwork including string course—</i>						
Over doors and windows	14	6 0				
Do. do.	3	4 6				
Over record-room windows	9	3 6				
Do. ventilators in Court	6	4 6				
		156'0	1 6	1 1½	263	
Over circular ventilators	4	11'38	1 6	1 1½	77	
Do. bath-room door	1	4 0	1 1½	1 1½	5	
Total, Cubic feet						345
<i>Cut stone work—</i>						
Stone slabs under trusses	12	2 0	1 6	0 6	18	
Do. for verandah posts	31	0 9	0 9	1 0	18	
Lintel stones over ventilators of clerks and private rooms	6	5 0	1 6	0 6	23	
Total, Cubic feet						59
<i>Earth fitting in basement—</i>						
Court room	1	24 7½	17 7½	1 6	651	
Clerks' do.	1	25 1½				
Private do.	1	11 7½	15 7½	1 6	1,462	
Record do.	1	25 7½				
Verandah and bath-room	1	181 7½	6 0½	1 6	1,642	
Dais	1	6 6	5 3	1 0	34	
Total, Cubic feet						3,789
<i>Teakwood, wrought, and put up.</i>						
Court room, 18 feet span—	2	21 0	0 4	0 6½	8	
Tie beams	4	5 0	0 4	0 4½	2	
Struts	4	10 9	0 4	0 6	7	
Principal rafters	2	9 0	0 3	0 6	8	
Wall purlins	4	12 0				
Purlins	2	9 0	0 4	0 6	11	
Do.	4	12 0				
Ridge pieces	1	9 0	0 3	0 9	6	
Do.	2	12 0	0 3	0 4	26	
Rafters about 2½ feet apart	24	13 0				
Clerks' room 16 feet span—	2	19 0	0 4	0 5½	6	
Tie beams	4	4 6	0 4	0 4	2	
Struts	4	9 6	0 4	0 5	5	
Principal rafters	4	9 0	0 3	0 5	6	
Wall purlins	2	12 0				
Purlins	4	9 0	0 4	0 5	8	
Ridge pieces	2	9 0	0 3	0 8	5	
Rafters about 2½ feet apart	1	12 0	0 2½	0 3½	18	
Private room, 16 feet span—	2	16 0	0 3	0 5	3	
Wall purlins	2	16 0	0 4	0 5	4	
Purlins	1	17 0	0 3	0 8	3	
Ridge pieces	14	12 0	0 2½	0 3½	10	
Rafters about 2½ feet apart						

Detail Measurements—cont.

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Teakwood, wrought, and put up—cont.</i>						
		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Record-room, 16 feet span—	2	19 0	0 4	0 5½	6	
Tie beams	4	4 6	0 4	0 5	2	
Struts	4	9 6	0 4	0 5	5	
Principal rafters	2	10 9	0 3	0 5	6	
Wall parlins	2	11 6				
	2	8 6				
	2	10 9	0 4	0 5	9	
	2	11 6				
Parlins	2	8 6				
	1	10 9	0 3	0 8	5	
	1	11 6				
Ridge pieces	24	12 0	0 2½	0 3½	18	
Rafters about 2½ feet apart	31	6 5½	0 4½	0 4½	28	
Verandah posts	62	2 3	0 4½	0 1½	7	
Check pieces	31	1 0	0 4½	0 4½	4	
Head pieces	1	7 6½				
Bressumers including over lapping—	2	14 8				
Front verandah of Court-room at entrance	2	9 4½				
Do. at ends	2	13 10½				
Front verandah Court-room at sides	3	20 2½				
Do. Clerks and private rooms	2	13 7½				
End verandah, 3 bays	2	17 1½				
Do. 2 bays	1	16 8½				
Boar verandah, 2 bays	1	18 1				
Do. 2 bays	1	7 8½				
Do. 1 bay at corner	1					
		224 6½	0 4½	0 5	35	
		157 6	0 2	0 3	7	
Wall plates for verandah roof	2×2	13 9	0 2½	0 5	9	
Valley rafters	2×2	13 8	0 3	0 6	10	
Hip rafters	6	11 0				
Rafters about 2½ feet apart	56	10 0				
	12	7 6				
	12	2 6				
Jack rafters { of hip rafters	4	11 0				
	4	6 0				
	4	3 6				
	2	6 0				
	2	4 6				
Rafters to gable at entrance	2	3 6				
Jack rafters to entrance	2	2 3				
		970 6	0 3	0 4	81	
		3 9	0 4½	0 4½	1	
		9 0	0 3	0 7½	1	
Upright posts to gable entrance	1	13 6				
Ridge piece to do.	4	11 9	0 1	1 3	14	
Barge board to Court room	4	11 9				
Do. to clerks and private rooms	2	11 9				
Do. to record-rooms	2	6 0	0 0½	0 6	14	
Do. to entrance	2	444 6	0 0½	0 9	2	
Eave boards to main and verandah roofs	2	13 9	0 0½	0 9	2	
Planks below valley rafters	2	11 0	0 1½	1 0	2	
Do. do. at entrance	1	7 0				
Ornamental gable boards at entrance	1					
						404
Total, Cubic feet						
Record-racks (6' × 2'3" × 9'11") uprights	6	9 11	0 3	0 3	4	
Horizontal pieces	28	2 10½	0 2	0 3	3	
End and cross pieces	21	2 3	0 2	0 3	3	
Horizontal pieces for shelves	42	2 10½	0 3	0 1	12	
Total for one rack						
Total for six racks						
Racks (6' × 1'3" × 9'11") uprights	6	9 11	0 3	0 3	4	
Horizontal pieces	28	2 10½	0 2	0 3	3	
Ends and cross pieces	21	1 0	0 2	0 3	1	
Horizontal pieces for shelves	42	2 10½	0 3	0 1	1	
Total for one rack						
Total for three racks						
Total, Cubic feet of woodwork for record-racks						27
						99

Detail Measurements—cont.

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
		FT. IN.	FT. IN.	FT. IN.	S. FT.	S. FT.
Ceiling with ½" thick planking including over-lapping 1" at every joints—						
Court room	2	25 3	10 6	..	530	
Clerks' room	2	25 9		..		
Private room	2	12 3	9 6	..	1,221	
Record-room	2	26 3		..		
Total, Square feet						1,751
Venetian and panel doors—						
Doors opening into verandahs	5	3 11	..	7 11	155	
Do. in private room	1	2 7	..	8 1	20	
Total, Square feet						175
Panelled doors—						
Inner doors	3	3 11	..	7 11	93	
Door in bath-room	1	2 0	..	6 6	13	
Total, Square feet						106
Venetian windows—						
To Court, clerks and private rooms	6	4 0	..	5 3	126	
To Court room	2	2 6	..	5 3	26½	
Total, Square feet						152½ or 152
Venetian windows with glazed tops and ¾" diameter or square iron bars—						
To record and bath-rooms	10	1 7	..	4 1	65	
Total, Square feet						65
Ventilators with glazed shutters moving on side pivots—						
To Court room	6	2 6	..	1 6	23	
To clerks and private rooms	6	2 6	..	1 3	19	
Circular ventilators in gables	4	2 0	..	2 0	16	
Total, Square feet						58
<i>Note.—Doors and windows taken out in accordance with appendix G. Standard Specification.</i>						
Tiled roofing with Mangalore tiles including teak reapers—						
Court room	2	32 0	13 6	..	864	
Clerks' room	2	29 0		..		
Private room	2	15 6	12 6	..	1,850	
Record-room	2	29 6		..		
Verandahs	1	190 3	9 6	..	1,807	
Do. entrance	2	9 3	12 6	..	116	
			2			
Total, Square feet						4,637
Flooring with Cuddapah slabs on a 4" bed of concrete and pointing with asphalt—						
Court room	1	25 0	18 0	..	450	
Clerks' room		25 6		..		
Private room		12 0	16 0	..	1,016	
Record-room		26 0		..		
Bath-room		6 6	6 5½	..	42	
Verandahs		176 0	6 3	..	1,100	
Space between posts in verandah	1	192 4	1 6	..	289	
Door pieces	8	4 6	1 1	..	42	
Do.	1	3 0	1 1	..		
Do.	1	2 6	0 8½	..	2	
Window pieces	6	4 6		..		
Do.	2	3 0	0 4½	..	20	
Do.	10	2 0		..		
Total, Square feet						2,961
Plastering—						
Court room		86 0	..	19 6½	1,681	
Do. gables	2	18 0	..	3 6	126	
Clerks' room		83 0	..	14 1½	1,963	
Private room		56 0	..			
Record-room		84 0	..	11 5½	963	
Gables	6	16 0	..	3 3	312	
Bath-room		25 10½	..	7 0	181	
Do. gables	2	6 0	..	1 7½	20	

Detail Measurements—cont.

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Plastering—cont.	8	FT. IN.	FT. IN.	FT. IN.	S. FT.	S. FT.
Door, jambs and soffits ..	1	22 0	1 1	1 1	213	
Do. ..	1	17 0	0 9	1 1	13	
Do. ..	6	16 6	1 1	1 1	107	
Window, jambs and soffits ..	2	15 0	1 1	1 1	157	
Window, jambs and soffits at the sides of dais ..	10	11 6	1 1	1 1		
Do. do. in the record and bath room ..	6	4 6	0 7½	33		
Do. cills ..	2	3 0	2 9	37		
Do. do. ..	10	2 0	1 1	62		
Do. do. ..	36	0 4½	1 1	34		
Windows, sides, of recesses ..	6	9 6	1 1	20		
Ventilators, sides, soffits and cills ..	4	2½ × 3-1416	1 0	2		
Do. do. circular ..	4	20 0	0 6	5,924		
Sides of dais ..	4	1 0	0 6			
Ends of steps of dais ..	11	4 6	8 6	446		
Deductions—						
Doors ..	1	3 0	7 0	18		
Do. ..	1	2 6	5 9	190		
Do. ..	6	4 6	4 6	90		
Windows ..	2	3 0	2 0	36		
Do. ..	10	3 0	1 9	32		
Do. ..	6	3 0	20	832		
Ventilators ..	4	2-5² × 7854				
Do. circular ..	4			5,092		
Total, Square feet ..						
Pointing Exterior—	1	280 10½	2 3	532		
Plinth ..	8	2 0	1 6	24		
Steps, sides ..	1	74 0	11 5½	848		
Record-room ..	1	19 0	3 3	62		
Gables ..	2	65 6	14 1½	784		
Clerks room, exterior ..	2	9 6	3 3	62		
Do. above the roof of record-room ..	2	39 0	19 6½	762		
Court room front and sides ..	2	21 0	3 6	147		
Gables ..	2	32 6	14 1½	459		
Private room, front and end ..	2	19 0	3 3	124		
Gables of clerks and private room ..	2	9 6	3 3	124		
Sides of Court room above end roofs ..	4	23 10½	7 3	173		
Bath-room ..	2	7 6½	2 0	30		
Gables ..	1	8 9	3 3	28		
Bath-room above verandah roof ..	1	24 3	14 1½	343		
Rear of Court and private rooms ..	2	21 0	5 9	121		
Above Court room ..	5	4 6	8 6	217		
Deductions—						
Doorways ..	1	3 0	7 0	18		
Do. ..	1	2 6	5 9	190		
Do. ..	6	4 6	4 6	90		
Windows ..	2	3 0	2 0	36		
Do. ..	10	3 0	1 9	32		
Do. ..	6	3 0	20	603		
Ventilators ..	4	2-5² × 7854				
Do. circular ..	4			4,120		
Total, Square feet ..						
Painting doors and windows with three coats						
oak paint—	3 × 5	4 6	8 6	574		
Ventilators and panel doors ..	3 × 1	3 0	8 6	77		
Venetian and panel doors ..	2 × 3	4 6	7 0	230		
Panel doors ..	2 × 1	2 6	5 9	35		
Do. ..	3 × 6	4 6	5 9	104		
Venetian windows ..	3 × 2	3 0	4 6	270		
Do. ..	3 × 10	2 0	2 0	36		
Do. ..	6	3 0	1 9	32		
Ventilators, glazed ..	6	3 0	20	603		
Do. ..	4	2-5² × 7854				
Do. circular ..	4			1,844		
Total, Square feet ..						
Wood ceiling roof timbers—	1	25 0	21 0	525		
Ceiling boards Court room ..	1	25 6	19 0	713		
Do. clerks room ..	1	12 0				
Do. private room ..	1					

Detail Measurements—cont.

Detail of Work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
		FT. IN.	FT. IN.	FT. IN.	S. FT.	S. FT.
Wood oiling roof timbers—cont.	1	26 0	19 0	494		
Ceiling record-room ..	2	21 0	1 9	74		
Tie beams, Court room ..	4	19 0	1 7	120		
Do. clerks and record room ..	4	5 0	1 4½	28		
Struts, Court room ..	8	4 6	1 4	48		
Do. clerks and record room ..	4	10 9	1 8	72		
Principal rafters, Court room ..	8	9 6	1 6	114		
Do. clerks and record-room ..	2	32 0	1 4	85		
Court room ..	2	32 0	1 3	80		
Do. on walls ..	2	29 0	1 2	68		
Clerks room ..	2	29 0	1 1	63		
Do. on walls ..	2	15 6	1 2	36		
Private room ..	2	15 6	1 1	34		
Do. on walls ..	2	29 6	1 2	69		
Record room ..	2	29 6	1 1	64		
Do. on walls ..	2	2 0	2 0	8		
Ridge piece outside of Court room ..	3	2 0	1 10	11		
Do. clerks, private and record room ..	24	1 6	0 11	33		
Rafters at eaves, Court room ..	56	1 6	0 9½	67		
Do. clerks, private and record-room ..	31	6 6	1 6	302		
Verandah posts ..	31	0 7½	1 1½	22		
Head pieces ..	31	221 6	1 2½	268		
Bressummers ..	2	12 9	1 7	72		
Valley rafters, sides, and bottom of plank ..	2	10 0	1 3	95		
Do. do. ..	6	12 8				
Hip rafters ..	56	10 0				
Common rafters ..	12	10 0				
Jack rafters ..	12	7 6				
Do. ..	12	2 6				
Do. ..	4	11 0	0 11	838		
Do. ..	4	6 0				
Do. ..	4	3 6				
Do. ..	2	6 0				
Rafters at entrance ..	2	4 6				
Jack rafters do. ..	2	3 6				
Do. ..	2	2 3				
Do. ..	1	3 6	1 6	5		
Upright posts ..	2	7 0	3½	25		
Front and rear of gable plank at entrance ..	1	9 0	1 6	14		
Ridge piece ..	1	136 6	2 7	353		
Barge boards as per details ..	2	444 6	1 0½	472		
Eave boards do. ..	2	7 0	3½	25		
Gable boards at entrance ..	2		2			
Total, Square feet of main building ..	6	10 0	1 0	60		5,297
Record-racks (6'-0"×2'-6"×9'-11") uprights ..	28	2 9	0 10	64		
Horizontal pieces ..	21	2 0	0 10	35		
Ends and cross pieces ..	42	2 9	0 8	77		
Horizontal pieces for shelves ..						
Total for one rack ..				236		
Total for six racks ..						1,416
Racks (6'-0"×1'-3"×9'-11") uprights ..	6	10 0	1 0	60		
Horizontal pieces ..	28	2 9	0 10	64		
Ends and cross pieces ..	21	0 9	0 10	13		
Horizontal pieces for shelves ..	14	2 9	0 8	27		
Total for one rack ..				164		
Total for three racks ..						492
Total, Square feet of wood oiling, three coats ..						7,205
Wrought Iron work.						
1" Diameter king rod for 18' trusses ..	2	6 7½	13-3	34-71		
1" Hex nut and head to do. ..	2		2	2-20		
3" square ½" thick washers ..	4	0 9	× 125 =	1-26		
1½"×½" heal straps ..	4	3 0	× 120 =	30-00		
1½"×1½" bearing plates ..	4	0 6½	× 2-3 =	5-62		
1" Hex nuts and head ..	8		× 8 =	2-13		
Caps of ½" plates 5" wide ..	2	1 6	× 3-0 =	18-78		
1" Diameter king rod for 16' trusses ..	4	5 10½	× 23-6 =	47-23		
Do. Hex nuts and heads to trusses ..	4		× 0-73 =	2-92		

Detail Measurements—cont.

Detail of work.	Number.	Measurement in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Wrought iron work—cont.</i>						
		FT.	IN.	FT.	IN.	
3" square $\frac{1}{2}$ " thick washers	8	0.9	125	=	9.0	2.52
1 $\frac{1}{2}$ " $\times$ $\frac{1}{2}$ " heel straps	8	2.6	=	20	$\times$ 1.87	37.40
$\frac{3}{4}$ " $\times$ $\frac{1}{2}$ " bearing plates	16	0.62	=	4.6	$\times$ 1.87	8.41
1" Hex nuts	4	1.4	=	5.4	$\times$.261	4.17
Caps of $\frac{1}{2}$ " plates, 5" wide	31	1.3	=	38.9	$\times$ 1.476	57.19
Pins for posts $\frac{1}{2}$ " diameter	12	1.4	=	16.0	$\times$.656	10.49
Holding down bolts at ends of each trusses $\frac{1}{2}$ " diameter	12	..	=	12	$\times$.128	1.53
Heads and nuts to diameter	55	0.9	125	=	61.87	17.32
3" square $\frac{1}{2}$ " thick washers for holding down bolts and pillars	31	$\times$ 110.11	=	312.58	$\times$.164	51.26
Bolts for fixing check pieces to posts $\frac{1}{2}$ " diameter	31	$\times$ 11	=	341	$\times$.017	5.79
$\frac{1}{2}$ " nuts and heads to posts $\frac{1}{2}$ " diameter	..	..	..	..	..	374.31
Total lb.	..	..	..	..	..	..
Zinc gutters 1' 9" broad for valleys including over lapping to valleys of verandah roofs	2	14	6	..	..	..
Do. of entrance	2	11	9	..	..	..
Total	..	53	..	..	..	53 R. ft.
Dais Railing	..	..	..	..	..	14 R. ft.
Punkahs.	1	10	0	..	..	..
Court room	1	6	0	..	..	..
Private room	..	..	..	..	..	16 R. ft.
Total	..	16	0	..	..	..
Wooden moveable ladder	..	..	..	..	..	1

Abstract.

Quantity.	Description of work.	Rate.	Per.	Amount.	Total.
1	2	3	4	5	6
		RS. A. P.		RS.	RS.
7,933 c. ft. ..	Excavation for foundation	4 10 0	1,000 c. ft.	37	
7,076 " ..	Concrete in foundations with broken clincker bricks	14 0 0	100 "	991	
2,334 " ..	Brick work in foundation and basement with stock bricks	20 0 0	Do.	467	
5,549 " ..	Brick work in superstructure with stock bricks	22 0 0	Do.	1,221	
845 " ..	Arch work in superstructure with stock bricks	25 0 0	Do.	86	
59 " ..	Stone slabs dressed under beams, wooden posts and lintels to ventilators	2 0 0	c. ft.	118	
3,789 " ..	Earth felling in basement	3 0 0	1,000 c. ft.	11	
404 " ..	Teakwood, wrought, and put up for record-racks	3 8 0	c. ft.	1,414	
99 " ..	Do. for record-racks including over ceiling with $\frac{1}{2}$ " thick plank	4 0 0	Do.	396	
1,751 sq. ft. ..	Lapping 1" at every joints	20 0 0	100 sq. ft.	350	
175 " ..	Venetian and panel doors with iron fittings	1 1 0	sq. ft.	186	
106 " ..	Penal doors with iron fittings	0 14 0	Do.	93	
153 " ..	Venetian windows with iron fittings	1 1 0	Do.	162	
65 " ..	Do. with iron bars with iron fittings	1 12 0	Do.	114	
58 " ..	Ventilators square and circular with glazed shutters and iron fittings	1 0 0	Do.	58	
4,637 " ..	Roofing with Mangalore tiles including teak reapers	18 0 0	100 sq. ft.	835	
2961 " ..	Flooring with Cuddapah slabs 2" thick on a 4" bed of concrete painted with tar and asphalt	22 0 0	Do.	651	
5,092 " ..	Plastering interior with chunnam, 2 coats polished	2 8 0	Do.	127	
4,129 " ..	Pointing exterior black with tar and asphalt	3 0 0	Do.	124	
1,544 " ..	Painting doors and windows with 3 coats Oak paint	2 5 0	Do.	43	

Abstract—cont.

Quantity.	Description of work.	Rate.	Per.	Amount.	Total.
1	2	3	4	5	6
		RS. A. P.		RS.	RS.
7,205 sq. ft. ..	Wood oiling roof timbers, three coats	0 15 0	100 sq. ft.	68	
374.31 lb. ..	Wrought iron work for trusses	0 3 0	lb.	70	
14 R. ft. ..	Wooden railings for dais including fixing and varnishing, complete	1 8 0	R. ft.	21	
53 " ..	Zinc gutters 1' 9" broad for Valleys	0 8 0	Do.	27	
16 " ..	Punkahs, complete, including wheels, &c.	1 8 0	Do.	24	
1 " ..	Wooden moveable ladder	16 0 0	Each.	16	
..	Petty supervision at 2 $\frac{1}{2}$ per cent.	..	..	194	7,710
..	Contingencies at 5 per cent	..	..	386	580
Grand Total of estimate ..		..	..	..	8,290

Note.—Madras rates are entered.

CHEPAUK,
8th April 1895.(Signed) H. IRWIN,
Consulting Architect to Govt.

6TH AUGUST 1895, No. 1948 W., PUBLIC WORKS.

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In continuation of this office letter No. 2301, dated the 3rd November 1894, I
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Sub-Magistrate's office with tiled roofing.

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The type design, with schedule of quantities, for a Stationary Sub-Magistrate's
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Encl. 2

G.O., 6th Aug. 1895, No. 1948 W.

CHIEF SECRETARY
NOV. 1895
AUGUST.
GOVERNMENT OF MADRAS

Type design

The —, with schedule of quantities, for a
Stationary Sub-Magistrate's office, with tiled
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Works Department.

To the Secy of Police & Prisons.
Capt 20/11
15/11

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