(1) பக்கங்களின் எண்ணிக்கை 56.

(2) புதுக்கித் திருப்பிய நாள் 8/89

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PWD துறை

அரசாணை எண்.	அச்சகம்
மு. கோப்புத் தாள் எண். 2239	பலவகை

நாள் : 16 -8-1889 19 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

28 sheets

ஆவண. கா-1—18,006—15-6-87.

2239

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Lieutenant-Colonel A. C. SMITH, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Mannárgudi, 30th July 1889, No. 931 T.J.

I have the honor to bring to your notice that in the standard specifications and designs for civil buildings, such as Taluk Cutcherries, Munsif's Court, &c., no mention is made of any outward slope being given to the floors of verandahs.

2. It would be as well were instructions given for a specified outward slope of, say, 1 in 40 for these verandahs, as now they are generally built level and sometimes an accidental inward slope occurs; this would be effectually prevented even an outward slope ordered.

3. In the military buildings standard designs lately received an outward slope of 1 in 40 is properly shown.

No. 3551 C.

Referred to the Consulting Architect for favor of remarks.

(By order.)

(Signed) W. L. C. BADDELEY, Captain, R.E.,
Dy. Chief Engineer, P.W.D.

6th August 1889.

From J. W. BRASSINGTON, Esq., Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 8th August 1889, No. 688.

In returning letter No. 931 T.J., dated 30th July 1889, from the Superintending Engineer, VI Circle, received with your endorsement No. 3551 C., dated 6th August 1889, I have the honor to state that instructions for the slopes of verandahs are given in section XXIII of the book of standard specifications, and it will be observed that the concluding paragraph of the specification attached to the schedules of quantities for Taluk Cutcherries and District Munsifs' Courts draws attention to the standard specifications.

2. The scale to which the standard plans are drawn, 8 feet to the inch, does not admit of the slope being shown unless a detailed drawing of the verandah is also made, but this may apply as well to other details which are dealt with in the book of specifications above referred to.

3. I take this opportunity of mentioning that the specification drawn up by this office, which accompanies standard plans, is a general one, it not being practicable to

form a detailed specification to suit all localities, which, I presume, should be done by the officer submitting the plans and estimates for sanction.

ORDER—dated 16th August 1889, No. 2239 W., Public Works.

The foregoing correspondence will be communicated to Superintending Engineers for information.

(True Extract.)

Captain, R.E.,
Under-Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.

Exd. J. Henricus.
Spare Copies

2239

2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated August, 16th.

Recd.

Encl.

G.O., 16th Aug. 1889, No. 2239 W.

AUGUST.

Standard Designs

Correspondence relating to slopes for verandahs in — for civil buildings, communicated to Superintending Engineers.

2239

Accompaniment to G.O., No. 2008 W., dated 27th July 1887.

SUB-JUDGE OR DISTRICT MUNSIF'S COURT-HOUSE.

ALTERNATIVE DESIGN WITH TERRACED ROOFING.

Descriptive Specification.

Foundations.—A depth of 5 feet is provided in the quantities, but this should be settled locally in accordance with the nature of the soil.

Walling.—The walls should be built in English bond, 2½ bricks, 2 bricks and 1½ bricks thick. It may be necessary to mould special bricks for the verandah piers shown 15 inches square.

Stonework.—Stone slabs should be placed at the bearings of all beams and over the terrace to receive water falling from the spouts. The steps may also be of stone, if procurable without great expense.

Woodwork.—The beams and joists may be of well seasoned Burma or Indian teak or any other durable country wood proof against white-ants.

Doors and windows.—The doors and windows to be of well seasoned Burma or Indian teak-wood. All doors opening into verandahs will be of ⅓ panel and ⅔ venetians. Inner doors to be panelled throughout. The windows will have outer venetianed shutters and glazed shutters opening inside with 1 inch square iron bars fixed diagonally. The ventilators will be of fixed glazed sashes in two parts set apart not less than 6 inches, for permanent ventilation, with galvanized iron wire netting with ½ inch holes stretched across to prevent bats from entering.

Roofing.—The roofing will consist of "pucka terracing," care being taken that proper slopes are made for drainage towards the weep-holes, which will have shoots made of red-wood or teak-wood covered with sheet lead as shown in detail.

Flooring.—The floor may be laid with square bricks or stone slabs, if the latter are easily procurable. Where the soil is damp, the space below the flooring should be filled with river sand. Asphalte flooring is provided for the record and property room.

Interior and exterior finishing.—The interior walls will be fine plastered with shell lime and polished or plastered and washed. Where good bricks are obtainable, the exterior should be pointed. In damp soils the plinth and interior walls, about 3 feet above floor level, should also be plastered with cement.

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

(Signed) J. W. BRASSINGTON,
Offg. Consulting Architect to Government.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
Excavation for Foundations.						
Court walls, four sides	...	103 6	4 10½	5 0	2,523	
Record and property room, outer walls	...	62 9	4 6	5 0	6,317	
Do. do. partitions ...	...	19 0				
Front, rear and end walls of gumastahs', head clerk's and vakils' rooms, &c.	2	99 6	4 1½	5 0	743	
Partitions of do. do.	3	12 0				
Verandah in front	...	154 9	4 3	5 0	5,180	
Do. in rear	2	44 6				
Steps	5	9 9	3 0	1 6	219	
Total, Cubic feet ...	...	...	...	...	...	14,982

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Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Concrete in Foundations.						
Court walls, four sides	...	103 6	4 10½	1 6	757	
Record and property room, outer walls	...	62 9				
Do. do. partitions ...	...	19 0	4 6	1 6	1,895	
Front, rear and end walls of gumastahs', head clerk's, and vakils' rooms, &c.	2	99 6				
Partitions of do.	3	12 0	4 1½	1 6	223	
Verandah in front	...	154 9	4 3	1 6	1,554	
Do. in rear	2	44 6	3 0	1 6	219	
Steps	5	9 9				
Total, Cubic feet ...	...	...	...	...	...	4,648
Brickwork in Foundations.						
Footings.						
Court walls, four sides	...	103 6	2 10½	1 6	446	
Record and property room, outer walls	...	64 9				
Do. do. partitions ...	...	21 0	2 6	1 6	1,083	
Front, rear and end walls of gumastahs', head clerk's, and vakils' rooms, &c.	2	101 6				
Partitions of do.	3	14 0	2 1½	1 6	134	
Verandah in front	...	156 9	2 3	1 6	843	
Do. in rear	2	46 6				
Above Footings to Ground Level.						
Court walls, four sides	...	103 6	1 10½	2 0	388	
Record and property room, outer walls	...	65 9				
Do. do. partitions ...	...	22 0	1 6	2 0	878	
Front, rear and end walls of gumastahs', head clerk's, and vakils' rooms, &c.	2	102 6				
Partitions	3	15 0	1 1½	2 0	101	
Verandah in front	...	157 9	1 3	2 0	632	
Do. in rear	2	47 6	0 3	2 0	173	
Extra thickness for plinth	...	345 0				
Total, Cubic feet ...	...	...	...	...	...	4,678
Brickwork in Basement.						
Court walls, four sides	...	103 6	1 10½	2 0	388	
Dais walls	...	22 0	1 6	2 0	66	
Do. steps	2	4 0	2 0	2 0	32	
Record and property room, outer walls	...	65 9				
Do. do. partitions ...	...	22 0	1 6	2 0	878	
Front, rear and end walls of gumastahs', head clerk's, and vakils' rooms, &c.	2	102 6				
Partitions	3	15 0	1 1½	2 0	101	
Verandah in front	...	157 9	1 3	2 0	632	
Do. in rear	2	47 6	0 3	2 0	173	
Extra thickness for plinth	...	345 0	3 0	0 6	73	
Steps	5	9 9	2 0	0 6	39	
Do.	5	7 9	1 0	0 6	14	
Do.	5	5 9				
Total, Cubic feet ...	...	...	...	...	...	2,396

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Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Brickwork in Superstructure.						
Court walls, four sides	...	103 6	1 10½	20 9	3,881	
Dais	...	22 6	1 3	1 6	42	
Steps	2	4 0	2 0	0 6	8	
Do.	2	4 0	1 0	0 6	4	
Record and property room, outer walls	...	65 9				
Do. do. partition ...	1	22 0	1 6	15 0	6,587	
Front, rear and end walls of gumastahs', head clerk's, and vakils' rooms, &c.	2	102 6				
Partitions	3	15 0	1 1½	15 0	759	
Verandah walls in front	...	157 9	1 3	10 6	3,317	
Do. rear	2	47 6	1 3	1 6	199	
Parapet over court	...	106 0	1 3	1 0	49	
Do. extra height at corners ...	4	9 9	1 3	1 6	124	
Do. over property and record room	...	66 3	1 3	1 0	14	
Do. extra height at corners ...	2	5 6	1 3	1 0	33	
Binding wall over partition in do.	1	22 3	1 6			
Parapet over gumastahs', head clerk's and vakils' rooms, &c.	2	103 0	1 3	1 6	386	
Do. extra height at corners ...	4	9 3	1 3	1 0	46	
Binding walls over partitions ...	3	15 6	1 1½	1 0	52	
Parapet over verandah in front ...	...	159 5	0 10	1 3	266	
Do. in back verandah	2	47 11				
Do. extra height at corners ..	4	3 2	0 10	1 0	17	
Do. do. do. ...	2	3 8				
Coping to parapet	...	903 0	0 3	0 5	94	
Do.	...	641 0	0 3	0 3	40	
Band in verandah piers, &c.	...	247 0	0 3	0 6	31	15,949
Deductions—						
Doorways in court	7	4 0	1 10½	8 0	420	
Do. in gumastahs', &c., rooms	14	4 0	1 6	8 0	672	
Do. in do. partitions ...	3	4 0	1 1½	8 0	108	
Windows	4	4 0	1 6	6 0	144	
Ventilators in court room ...	8	4 0	1 10½	1 9	105	
Do. in gumastahs', &c., rooms	14	3 0	1 6	1 9	126	
Ventilators in record and property room	2	3 0	1 6	1 9		
Verandah arches	27	5 9	1 3	8 0	1,753	
Do.	4	5 0	1 3	8 0	754	4,082
Archwork as per details ...	...	...	...	...	...	11,867
Total, Cublic feet ...	...	...	...	...	...	
Filling in Basement.						
Court	...	30 0	18 0	1 6	810	
Dais	1	6 6	6 9	1 0	44	
Gumastahs' room	...	25 0				
Head clerk's do.	...	16 1½	15 0	1 6	1,825	
Judge's retiring-room	...	10 0				
Vakils' room	...	15 0				
Nazarat do.	2	15 0	8 7½	1 6	569	
Record and property room	...	22 0	7 6	1 6	2,450	
Verandah in front	2	140 3				
Do. in rear		38 9				
Total, Cubic feet ...	...	...	...	...	...	5,698

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Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Archwork.						
Over court doorways	7	5 3	1 10½	1 1½	77	
Over doorways in gumastahs', &c., rooms	14	5 3	1 6	1 1½	124	
Do. in partitions ...	3	5 3	1 1½	1 1½	20	
Over windows	4	5 3	1 6	1 1½	35	
Do. ventilators in court	8	5 3	1 10½	1 1½	89	
Do. do.	16	4 0	1 6	1 1½	108	
Do. verandah openings	27	7 0	1 3	1 1½		
Do. do.	4	6 3	1 3	1 1½	301	
Total, Cubic feet		...	...	...	...	754
Stone-work, Dressed.						
Slabs under beams for court ...	4	2 0	1 10½	0 6	8	
Do. gumastahs', &c., rooms ...	16	1 6	1 6	0 4	12	
Do. for steps	5	29 3	1 0	0 6	73	
Slabs on terrace below shoots ...	32	2 0	2 0	0 3	32	
Total, Cubic feet		...	...	...	...	125
Teak-wood wrought and put up.						
Court—						
Beams	2	21 0	0 10	1 4	47	
Joists, 18″ centre to centre ...	13	32 0	0 3	0 6½	58	
Gumastahs' rooms—						
Beams	3	17 6	0 7½	1 1	41	
Joists	11	27 0	0 3	0 5	36	
Head clerk's room—						
Beams	1	17 6	0 8	1 1	31	
Joists	11	17 9	0 3	0 5	13	
Judge's retiring-room—						
Joists	11	11 6	0 3	0 6½	20	
Vakils' room—						
Beams	2	17 6	0 7½	1 1	17	
Joists	11	16 6	0 3	0 5	24	
Nazarat establishment—						
Beams	2	17 6	0 7½	1 1	19	
Joists	11	16 6	0 3	0 5	24	
Verandahs—						
Beams at angles	4	12 0	0 5	0 7½	19	
Joists	126	9 0			13	
Do. at angles	8	8 3				
Do. do.	8	6 9				
Do. do.	8	4 9	0 3	0 5	140	
Do. do.	8	3 9				
Do. do.	8	2 6				
Total, Cubic feet		...	...	...	...	500
Venetian and Panel Doors with Frames.						
Doors opening into verandah ...	19	4 0	...	8 0	608	S. ft.
Panelled Doors with Frames.						
Inner doors	5	4 0	...	8 0	160	S. ft.
Venetian windows with frames and iron bars including glazed inner shutters	4	4 0	...	6 0	96	S. ft.

Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Ventilators with fixed glazed sashes and wire netting across.						
For court rooms	8	4 0	...	2 1	67	
„ other „	16	3 0	...	2 1	100	
Total, Square feet ...	...	...	...	...	...	167
Terraced Roofing.						
Court	...	31 0	...	19 0	1,026	
Record and property room	...	23 0	...	19 0	1,376	
Gumastahs', judge's, &c., rooms ...	2	43 0	...	16 0	1,138	
Verandah, front	...	142 3	...	8 0	636	
Do. back	2	39 9	...	8 0		
Square feet ...	...	...	...	...	...	4,176
Total, Squares ...	...	...	...	...	...	41·76
Flooring basement with 9″ square bricks over concrete 6 inches thick.						
Court	1	18 0	...	30 0	540	
Gumastahs', head clerk's rooms judge's retiring room, &c.	...	81 1½	...	15 0	1,217	
Verandahs, front	...	140 3	...	7 6	1,633	
Do. rear	2	38 9	...			
Square feet ...	...	...	...	...	...	3,390
Total, Squares ...	...	...	...	...	...	33·90
Paving door pieces with 9″ square bricks.						
Court doorways	7	4 0	...	1 10½	53	
Doorways	12	4 0	...	1 6	72	
Do.	3	4 0	...	1 1½	14	
Verandah arches	27	5 9	...	1 6	263	
Do.	4	5 0				
Square feet ...	...	...	...	...	...	402
Total, Squares ...	...	...	...	...	...	4·02
Flooring with asphalte ¾″ thick over a bed of concrete 6″ thick.						
Record and property room	2	22 0	...	8 7½	380	
Door pieces	2	4 0	...	1 6	12	
Square feet ...	...	...	...	...	...	392
Total, Squares ...	...	...	...	...	...	3·92
Plastering interior.						
Court	...	96 0	...	19 0	1,824	
Dais sides	2	8 0	...	1 0	16	
Record and property room	2	61 3	...	14 0	1,715	
Gumastahs' room	...	80 0	...	14 0	1,120	
Head clerk's room	...	62 3	...	14 0	872	
Judge's retiring-room	...	50 0	...	14 0	700	

Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Plastering interior—cont.						
Vakils' and nazarat room	2	60 0	...	14 0	1,680	
Door, jambs and soffits ...	7	20 0	...	1 10½	263	
Do. do. ...	14	20 0	...	1 6	420	
Window do. ..	3	20 0	...	1 1½	68	
Ventilator do. ...	4	20 0	...	1 6	120	
Do. do. ...	8	11 6	...	0 11½	86	
Binding walls	16	9 6	...	0 9	114	
Do.	3	15 6	...	3 1½	145	
	1	22 3	...	3 6	78	
Deductions—						
Doorways						9,221
Windows	29	4 0				
Ventilator	4	4 0	...	8 0	928	
Do.	8	4 0	...	6 0	96	
... .	16	3 0	...	1 6	48	
			...	1 6	72	
Square feet ...	...	...	...	...	...	1,144
Total, Squares ...	...	...	...	...	...	8,077
						80·77
Pointing exterior.						
Basement all round	...	310 9				
Front verandah interior ...	...	305 6	} ...	2 0	622	
Back	2	92 6		9 6	4,660	
Property room rear and ends ...	...	41 9	...	15 0	626	
Do. clearstorey ...	2	8 9	...	4 6	79	
Court do. ..	...	62 9	...	9 6	596	
Do. do. ...	...	48 3	...	5 0	241	
Gumastahs' and nazarat ends ..	2	25 6	...	15 0	765	
Do. do. clearstorey ...	4	40 0	...	4 6	720	
Verandah exterior	...	160 3	} ...	10 6	2,706	
Back verandah exterior	2	48 9		4 3	461	
Parapet walls over court	...	108 6	...	2 0	78	
Do. additional height ...	4	9 9	...	4 3	255	
Do. over property and record room ...	...	60 0	...	2 0	22	
Do. additional height ...	2	5 6	...	4 3	886	
Do. over gumastahs', &c., rooms	2	104 3	...	2 0	74	
Do. additional height ...	4	9 3	...	3 4	334	
Do. over front verandah...	...	100 3	...	2 0	40	
Do. additional height ...	...	20 0	...	0 11½	86	
Ventilator jambs	8	11 6	...	0 9	114	
Do.	16	9 6	...			
Deductions—						
Doorways						13,365
Windows	19	4 0				
Ventilators	4	4 0	...	8 0	608	
Do.	8	4 0	...	6 0	96	
	16	3 0	...	1 6	48	
			...	1 6	72	
Square feet ...	...	...	...	...	...	824
Total, Squares ...	...	...	...	...	...	12,541
						125·41
Wooden hand railing for dais ...	...	...	...	...	25	Lineal feet.

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Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Painting doors and windows, 3 coats of Carson's oak paint.						
Venetian and panel doors	3	...	...	608	1,824	
Panelled doors	2	...	...	160	320	
Venetian windows with iron bars ...	4	...	...	96	384	
Ventilators	2	...	...	167	334	
Square feet ...	...	...	...	...	...	2,862
Total, Squares ...	...	...	...	...	...	28·62
Painting with 3 coats of zinc white paint.						
Glazed shutters for windows ...	2	...	...	96 0	192	
Court—						
Beams	2	21 0	...	3 6	147	
Joists	13	32 0	...	0 10	347	
Record and property room—						
Joists	32	10 1½	...	1 3	405	
Gumastahs' room—						
Beams	3	17 6	...	2 9½	147	
Joists	11	27 0	...	1 1	322	
Head clerk's room—						
Beams	1	17 6	...	2 10	50	
Joists	11	17 9	...	1 1	212	
Judge's retiring-room—						
Joists	11	11 6	...	1 4	169	
Vakils' room—						
Beams	2	17 6	...	2 9½	98	
Joists	11	16 6	...	1 1	197	
Nazarat establishment—						
Beams	2	17 6	...	2 9½	93	
Joists	11	16 6	...	1 1	197	
Verandah—						
Beams	4	12 0	...	1 6	72	
Joists	126	9 0	...	1 1	} 1,454	
Do. at angles	...	203 0	...	1 1		
Square feet ...	...	...	...	...	...	4,107
Total, Squares ...	...	...	...	...	...	41·07
Punkah, 10 feet long	...	1 in number.			...	...

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount.	Total.
		Rs.		Rs.	Rs.
14,982 C. ft.	Excavation for foundations		1,000 C. ft.		
4,648 „	Concrete in do.		100 „		
4,678 „	Brickwork in do.		100 „		
2,396 „	Do. in basement		100 „		
11,867 „	Do. in superstructure		100 „		
5,698 „	Filling in basement		1,000 „		
754 „	Archwork		100 „		
125 „	Stonework, dressed		C. ft.		
500 „	Teak-wood wrought and put up		„		

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Estimate Form—Abstract—*cont.*

Quantity.	Description of Work.	Rate.	Per	Amount.	Total.
		Rs.		Rs.	Rs.
608 Sq. ft.	Venetian and panel doors with frames ...		Sq. ft.		
160 "	Panelled doors with frames		"		
96 "	Venetian windows with frames, iron bars and inner glazed shutters		"		
167 "	Ventilators with fixed glazed sashes and wire netting across		"		
41·76 Sqrs.	Terraced roofing		"		
33·90 "	Flooring basement with 9-inch square bricks over concrete 6-inches thick		Sqr.		
4·02 "	Paving door pieces with 9-inch square bricks.		"		
3·92 "	Flooring with asphalte $\frac{3}{4}$ inch thick over a bed of concrete 6-inches thick		"		
80·77 "	Plastering interior		"		
125·41 "	Pointing exterior		"		
25 L. ft.	Railing for dais		"		
28·62 Sqrs.	Painting doors and windows with 3 coats of Carson's oak paint		L. ft.		
41·07 "	Painting glazed shutters and roof timbers with 3 coats of zinc white paint		Sqr.		
1 in No.	Punkah, 10 feet long		"		
	Petty supervision		Each.		
	Contingencies		...		
			...		

Madras,
19th July 1887.

(Signed) J. W. BRASSINGTON,
Offg. Consulting Architect to Government.

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GOVERNMENT OF MADRAS

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From J. W. BRASSINGTON, Esq., Officiating Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 25th May 1887, No. 248.

With reference to paragraph 2 of G.O., No. 1098 W., dated the 21st April 1887, I have the honor to submit, for approval, a design for a sub-judge or district munsif's court-house with a terraced roof.

No. 164 D.

Forwarded for the approval of Government in the Judicial Department.

(Signed) J. O. HASTED, Colonel, R.E.,
27th May 1887. Secy. to Govt., P.W.D.

No. 1259, Judicial.

Approved, and retransferred to the Public Works Department.

(By Order.)

(Signed) A. G. CARDEW,
13th June 1887. Acting Under Secretary.

From J. W. BRASSINGTON, Esq., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 19th July 1887, No. 592.

With reference to G.O., No. 1259, dated the 13th June 1887, forwarded with your endorsement, No. 232 D., dated the 15th June 1887, I have the honor to submit the revised standard plan of court-house for a sub-judge or district munsif, with a terraced roof, with descriptive specification and schedule of quantities.

Order—dated 27th July 1887, No. 2008 W., Public Works.

The revised type design, with schedule of quantities and descriptive specification, for a sub-judge's or district munsif's court-house, with terraced roof, will be circulated to officers of the Public Works Department, for information and guidance, in continuation of G.O., No. 1098 W., dated 21st April 1887, and in supersession of the design circulated with G.O., No. 2854 W., dated 15th November 1884.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
" Judicial Department.

Exd. E. Fernandez.
Spare Copies

7

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated July, 27th.

Recd. *Encl.*

G.O., 27th July 1887, No. 2008 W.

JULY.

Sub-Judge's or District Munsif's Court-house

A revised type design for a —, with terraced roof, circulated to officers of the Public Works Department.

2239

SUB-JUDGE OR DISTRICT MUNSIF'S COURT-HOUSE.

DESCRIPTIVE SPECIFICATION.

Foundation.—A depth of 5 feet is provided in the quantities, but this should be settled locally in accordance with the nature of the soil.

Brickwork.—The walls should be carried up in English bond-walls of central portion being 2½ bricks thick, ends 2 bricks thick, partitions 1½ bricks thick, verandah retaining walls 1 brick thick, except under posts, which will be half a brick thicker.

Where good bricks are obtainable the exterior of the building should be pointed.

Woodwork.—The verandah posts, trusses, doors and windows should be of teakwood, the rafters and other minor roof timbers may be of approved country wood.

Tiled roofing.—The roof will be covered with flat and pantiles; if the quality of these are good the usual unsightly "chunam bands" might be dispensed with.

All valleys should be protected with sheet lead.

Stonework.—Stone slabs 12″ × 12″ × 6″ with mortice holes 2 inches square and 2 inches deep cut into them into which the verandah posts will rest. Slabs will also be placed under the bearings of trusses. The steps may also be of stone if procurable without great expense.

Flooring.—The floor may be of square bricks or stone slabs if the latter are easily procurable.

Interior finishing.—The interior will be fine plastered with shell lime or plastered and washed.

Finials.—The finials may be of copper, iron or wood.

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

(Signed) J. W. BRASSINGTON,
Offg Consulting Architect to Government.

ESTIMATE FORM—Detail Measurements.

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
EXCAVATION FOR FOUNDATIONS.						
Court-house, record and property room.						
Outer walls	...	151 3	4 10½	5 0	} 4,052	
Partition	1	15 0	4 10½	5 0	}	
Do.	1	19 0	4 1½	5 0	392	
Gumastah's, Head Clerk's, Judge's retiring room, &c.						
Outer walls	2	99 6	4 6	5 0	4,478	
Partitions	3	12 0	4 1½	5 0	743	
Verandah	...	261 9	3 9	5 0	4,908	
Extra for posts	28	4 0	0 3	5 0	} 146	
Do. at corners	8	0 3	0 3	5 0	}	
Do. next to walls	4	0 9	0 3	5 0	}	
Steps	1	14 0	3 0	1 6	} 252	
Do.	4	10 6	3 0	1 6	}	
Total, Cubic Feet	...	...	...	...	...	14,971
CONCRETE.						
Court-house, record and property room.						
Outer walls	...	151 3	4 10½	1 6	} 1,216	
Partition	1	15 0	4 10½	1 6	}	
Do.	1	19 0	4 1½	1 6	118	

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Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Gumastah's, Head Clerk's, Judge's retiring room, &c.						
Outer walls	2	99 6	4 6	1 6	1,343	
Partitions	3	12 0	4 1½	1 6	223	
Verandah	...	261 9	3 9	1 6	1,472	
Extra for posts	28	4 0	0 3	1 6		
Do. at corners	8	0 3	0 3	1 6		
Do. next to walls	4	0 9	0 3	1 6	44	
Steps	1	14 0	3 0	1 6		
Do.	4	10 6	3 0	1 6	252	
Total, Cubic Feet ...	...	...	...	...	...	4,668
Brickwork in Foundations.						
Footings.						
Court-house, record and property room.						
Outer walls	...	151 3	2 10½	1 6	726	
Partitions	1	17 0	2 10½	1 6		
Do.	1	21 0	2 1½	1 6	67	
Gumastah's, Head Clerk's, Judge's retiring room, &c.						
Outer walls	2	101 6	2 6	1 6	919	
Partitions	3	14 0	2 6	1 6		
Verandah	...	267 9	1 9	1 6	703	
Extra for posts	28	2 0	0 3	1 6		
Do. at corners	8	0 3	0 3	1 6	23	
Do. next to walls	4	0 9	0 3	1 6		
Above footings to ground level.						
Court-house, record and property room.						
Outer walls	...	151 3	1 10½	2 0	567	
Extra thickness for plinth in rear wall and ends	...	43 0	0 3	2 0	22	
Partition	1	18 0	1 10½	2 0	68	
Do.	1	22 0	1 1½	2 0	50	
Gumastah's, Head Clerk's, Judge's retiring room, &c.						
Outer walls	2	102 6	1 6	2 0	615	
Extra thickness for plinth at ends ...	2	18 0	0 3	2 0	18	
Partitions	3	15 0	1 1½	2 0	101	
Verandah	...	270 9	0 9	2 0	406	
Extra for posts	28	1 0	0 3	2 0		
Do. at corners	8	0 3	0 3	2 0	17	
Do. next to walls	4	0 9	0 3	2 0		
Total, Cubic Feet ...	...	...	...	...	...	4,302
Brickwork in Basement.						
Court-house, record and property room.						
Outer walls	...	151 3	1 10½	2 0	567	
Extra thickness for plinth in rear and ends	...	43 0	0 3	2 0	22	
Partition	1	18 0	1 10½	2 0	68	
Do.	1	22 0	1 1½	2 0	50	

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Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Gumastah's, Head Clerk's, Judge's retiring room, &c.						
Outer walls	2	102 6	1 6	2 0	615	
Extra thickness for plinth at ends ...	2	18 0	0 3	2 0	18	
Partitions	3	15 0	1 1½	2 0	101	
Verandah	...	270 9	0 9	2 0	406	
Extra for posts	28	1 0	0 3	2 0		
Do. at corners	8	0 3	0 3	2 0	17	
Do. next to walls	4	0 9	0 3	2 0		
Steps	1	12 3	2 0	1 6	139	
Do.	4	8 6	2 0	1 6		
						2,003
Deductions—						
Stone under-posts and for steps ...	...	...	...	...	...	105
Total, Cubic Feet ...	...	...	...	...	...	1,898
Brickwork in Superstructure.						
Court-house, record and property room.						
Outer wall	...	151 3	1 10½	18 6	5,871	
Partition	1	18 0	1 10½	18 6		
Gable	1	18 0	1 10½	3 0	101	
Partition	1	22 0	1 1½	24 6	606	
Gumastah's, Head Clerk's, Judge's retiring room, &c.						
Outer walls	2	102 6	1 6	13 5	4,126	
Partitions	3	15 0	1 1½	13 5	806	
Gables	3	15 0	1 1½	2 6		
Dais wall	...	23 6	0 9	1 0	18	
						11,528
Deductions—						
At hip from partition in record and property room	1	9 0	1 1½	3 0	30	
Doors	9	4 0	1 10½	8 0	540	
Do.	12	4 0	1 6	8 0	576	
Do.	2	4 0	1 1½	8 0	72	
Windows	2	4 0	1 10½	6 0	90	
Do.	2	4 0	1 6	6 0	72	
Ventilators	9	4 0	1 10½	2 9	186	
Archwork as per details	...	...	...	...	247	
						1,813
Total, Cubic Feet ...	...	...	...	...	...	9,715
Archwork.						
Over doors and windows	11	5 0	1 10½	1 1½	116	
Do. do.	14	5 0	1 6	1 1½	118	
Do. do.	2	5 0	1 1½	1 1½	13	
Total, Cubic Feet ...	...	...	...	...	...	247
Cut-stonework.						
Under-posts	40	1 0	1 0	0 6	20	
Steps	...	169 0	1 0	0 6	85	
Slabs under trusses	4	2 0	1 10½	0 4	5	
Do. do.	10	1 6	1 6	0 4	8	
Total, Cubic Feet ...	...	...	...	...	...	118

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Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Filling in basement.						
Court-house	1	30 0	18 0	1 6	810	
Court dais	1	7 6	7 3	1 0	54	
Record and property room	2	22 0	8 5½	1 6	557	
Gumastah's, head clerk's, judge's retiring room, &c.	...	81 1½	15 0	1 6	1,825	
Verandahs	...	218 3	8 3	1 6	2,701	
Total, Cubic Feet ...	...	...	...	...	...	5,947
Teakwood wrought and put up.						
Court-house, record and property room.						
2 Trusses to span 18 feet. Tie beams	2	21 9	0 4	0 7	8	
2 Trusses to span 18 feet. Principal rafters ...	4	11 9	0 4	0 6	8	
2 Trusses to span 18 feet. Struts	4	5 9	0 4	0 4	3	
Purlins allowing for halving ...	2	47 0	0 5	0 6	20	
Do. over wall do. ...	2	58 6	0 4	0 4	18	
Do. do. ...	2	22 0	0 4	0 4		
Ridge	1	38 0	0 3	0 9	7	
Principal rafters in record and property room	2	11 9	0 4	0 6	4	
Hip rafters	4	19 6	0 4	0 5	11	
Common rafters (18 inches centre to centre)	46	14 6	0 3	0 5		
Do. do. ...	6	13 0	0 3	0 5		
Jack rafters	56	Average length. 9 0	0 3	0 5	130	
Gumastah's, Head Clerk's, Judge's retiring room.						
5 Trusses to span 15 feet. Tie beams	5	18 0	0 4	0 6	15	
5 Trusses to span 15 feet. Principal rafters ...	10	9 9	0 4	0 5	14	
5 Trusses to span 15 feet. Struts	10	4 9	0 4	0 4	5	
Purlins allowing for halving ...	4	41 0	0 4	0 5	23	
Do. over wall	4	45 0	0 3	0 4	18	
Do. do.	2	18 0	0 3	0 4		
Ridge	2	37 0	0 2½	0 7	9	
Hip rafters	4	16 6	0 4	0 4	7	
Common rafters (18 inches centre to centre)	98	11 3	0 3	0 4		
Jack rafters	40	Average length. 6 0	0 3	0 4	112	
Verandahs.						
Posts	40	0 6	0 6	7 6		
Breastsummers allowing for halving.	...	282 0	0 6	0 6	75	
Ridge for entrance to court ...	1	11 0	0 3	0 6	71	
Ridge for end gables of verandah ...	4	5 6	0 2⅓	0 6	1	
Hip rafters	8	17 0	0 4	0 5	2	
Hip for gable at entrance	2	11 6	0 3	0 5	19	
Hip do. at ends	4	8 6	0 3	0 5		
Common rafters	110	13 3	0 3	0 5		
Jack rafters at entrance gable ...	9	9 6	0 3	0 5		
Do. at corners	72	9 3	0 3	0 5	256	
Do. at end gables	8	8 0	0 3	0 5		
Do. do.	24	5 6	0 3	0 5		
Wall plate at front and ends of court.	...	62 0	0 4	0 3	5	

2,239

Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Verandahs—cont.						
Barge board at entrance gable ...	2	8 6	0 1½	0 8	1	
Do. do. do. ...	2	3 0	0 1½	1 0	1	
Do. do. knobs ...	2	0 6	0 6	0 9	1	
Collar piece	1	6 6	0 4	0 3	1	
Do. plank	1	5 0	0 1½	1 9	1	
Barge boards at ends	8	6 6	0 1	0 7	3	
Collar pieces	4	5 6	0 2	0 3	1	
Plank	4	1 0	0 2	1 6	1	
Total, Cubic Feet ...	...	...	...	...	...	851
Venetian and panel doors with frames.						
Outer doors	17	4 0	...	8 0	544	
Total, Square Feet ...	...	...	...	...	...	544
Panelled doors with frames.						
Inner doors, and for record and property room	6	4 0	...	8 0	192	
Total, Square Feet ...	...	...	...	...	...	192
Venetian windows with glazed shutters and iron bars	4	4 0	...	6 0	...	
Total, Square Feet ...	...	...	...	...	...	96
Ventilators.						
For court, record and property room.	9	4 0	...	2 9	...	
Total, Square Feet ...	...	...	...	...	...	99
Wrought Iron work in trusses.						
1" diar. kingrods for 18 feet trusses.	2	8 0	=16 0	× 2·62	= 41·92	
1" hex. nut and bolt heads for do.	6	...	...	× 1·10	= 6·60	
⅜" diar. ¼" thick washers for do.	4	...	...	0·32	= 1·28	
1½" × ½" heel straps for do.	4	2 9	=11 0	× 2·50	= 27·50	
1½" × ½" bearing plates for do.	4	0 6¾	= 2 3	× 2·50	= 5·62	
⅝" hex. nuts for do.	8	...	...	× ·267	= 2·13	
Caps of ⅜" plates 6" wide	2	2 0	= 4 0	× 7·51	= 30·04	
⅞" diar. kingrods for 15 feet trusses.	5	6 7½	=33 1½	× 2·01	= 66·58	
⅞" hex. nut and bolt heads for do.	15	...	...	× 0·73	= 10·95	
⅜" diar. ¼" thick washers for do.	10	...	...	× 0·32	= 3·20	
1½" × ⅜" heel straps for do.	10	2 3	=22 6	× 1·87	= 42·07	
1½" × ⅜" bearing plates for do.	10	0 6¾	= 5 7½	× 1·87	= 10·51	
⅝" hex. nuts for do.	20	...	...	·267	= 5·34	
Caps of ⅜" plate 6" wide	5	1 6	= 7 6	× 7·51	= 56·32	
Total, lb. ...	...	...	...	...	...	310
Tiled roofing with flat and pan tiles.						
Court-house, &c.	1	61 0	...	30 0	1,830	
Gumastah's, head clerk's and judge's retiring room, &c.	2	46 0	...	25 0	2,300	
Verandahs	...	160 0	...	11 0	1,760	
Do.	...	80 0	...	12 6	1,000	
Square Feet ...	...	...	...	...	6,890	
Total, Squares ...	...	...	...	...	...	70

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Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Flooring with 8 inches square pavement bricks.						
Court-house	1	30 0	...	18 0	540	
Record and property room	2	8 5½	...	22 0	371	
Gumastah's, head clerk's, judge's retiring room, &c.	...	81 1½	...	15 0	1,217	
Verandahs	...	237 9	...	9 0	2,140	
Square Feet ...	...	...	...	...	4,268	
Total, Squares ...	...	...	...	...	...	43
Plastering interior (2 coats).						
Court-house	...	96 0	...	18 6	1,776	
Court gables	1	18 0	...	3 0	54	
Dais sides	2	8 0	...	1 0	16	
Record and property rooms	2	60 10½	...	18 6	2,252	
Additional height to partition ...	1	16 10½	...	6 0	210	
Gable	11	20 0	...	6 0	101*	
Door and window jambs	9	9 6	...	1 10½	413	
Gumastah's, head clerk's rooms, &c.		302 3	...	1 10½	160	
Door and window jambs	14	20 0	...	13 5	4,055	
Do. do.	2	20 0	...	1 6	420	
Deductions—				1 1½	45	
Doors	27	4 0				9,502
Windows	4	4 0	...	8 0	864	
Ventilators	9	4 0	...	6 0	96	
			...	2 9	99	
Square Feet ...	...	...	...	...	...	1,059
Total, Squares ...	...	...	...	...	...	8,443
Pointing exterior.						85
Basement all round ...	...	352 9				
Court-house, &c.	...	118 9	...	2 0	706	
Gumastah's rooms, &c.	2	105 6	...	18 6	2,197	
Deductions—			...	13 5	2,831	
Doors	19	4 0				5,734
Windows	4	4 0	...	8 0	608	
Ventilators	9	4 0	...	6 0	96	
			...	2 9	99	
Square Feet ...	...	...	...	...	...	803
Total, Squares ...	...	...	...	...	...	4,931
Lead sheeting for valleys	...	...	...	...	...	50
Mouldings over windows (exterior).	4	96 0	1 6	=144 0 ×	5	720 lb.
Railings for dais	...	5 3	...	...	21	L. ft.
Finials over court room	...	...	...	...	25	L. ft.
Finials over Gumastah's and Nazarat establishment	...	...	...	2 in number.		
Finials for verandahs	...	...	...	2 in number.		
	...	...	...	5 in number.		

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Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Painting with 3 coats of Carson's paint.						
Venetian and panel doors	3	544 0	...	...	1,632	
Panelled doors	2	192 0	...	...	384	
Venetian and glazed windows ...	5	96 0	...	...	480	
Ventilators	2	99 0	...	...	198	
Roof timbers including reepers and verandah posts	...	...	...	...	..	2,694 11,800
Square Feet ...	...	...	...	...	...	14,494
Total, Squares ...	...	...	...	...	...	145
Punkah.						
Over dais	1	10 0	...	...	10	L. ft.

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
		Rs.		Rs.	Rs.
14,971 C. feet ...	Excavation for foundations (rate to include refilling of trenches) ...	...	1,000 C. feet.		
4,668 „ ...	Concrete in foundations	...	100 „		
1,898 „ ...	Brickwork in foundations	...	„		
9,715 „ ...	Do. in basement	...	„		
247 „ ...	Do. in superstructure	...	„		
118 „ ...	Archwork	...	C. feet.		
5,947 „ ...	Cut stonework	..	1,000 C. feet.		
851 „ ...	Filling in basement	...	C. feet.		
544 Sq. feet ..	Teakwood wrought and put up ...	...	Sq. feet.		
	Venetian and panel doors with frames complete	...	„		
192 „ ...	Panelled doors with frames complete ...	...	„		
96 „ ...	Venetian windows with glazed shutters and iron bars complete	...	„		
99 „ ...	Ventilators	...	„		
310 lb. ...	Wrought ironwork in trusses ...	...	lb.		
70 Squares ..	Tiled roofing with flat and pantiles including teak reepers	...	Square.		
43 „ ...	Flooring with 8-inch square pavement bricks	...	„		
85 „ ...	Plastering interior (two coats) ...	...	„		
50 „ ...	Pointing exterior	...	„		
720 lb. ...	Lead sheeting for roof valleys ...	...	lb.		
21 L. feet. ...	Moulding over windows	...	L. feet.		
25 „ ...	Hand railing for dais	...	„		
2 in No. ...	Finials over court room	...	Each.		
2 „ ...	Do. at ends	...	„		
5 „ ...	Do. for verandah	...	„		
145 Squares ...	Painting with 3 coats of Carson's paint.	...	Square.		
5 in No. ...	Add extra for finishing barge boards ...	...	Each.		
1 „ ...	Punkah 10 feet long	...	„		
	Petty supervision				
	Contingencies				

Madras,
12th March 1887.

(Signed) J. W. BRASSINGTON,
Offg. Consulting Architect to Government.

Annexure to G.O., No. 1495 W., dated 3rd June 1887.

ESTIMATE FORM—Detail Measurements.

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
EXCAVATION FOR FOUNDATIONS.						
Court, outer walls	..	92 0	4 0	4 6	1,656	
Property and private room, end walls	3	5 4½	3 7½	4 6	1,007	
Do. do. outer walls	..	45 7½	3 7½	4 6		
Cashier's, sheristadar's, clerk's room, longitudinal walls	2	70 0	4 0	4 6	5,076	
Do. do. partition	3	15 6	4 0	4 6		
Record room, outer walls	..	95 6	4 0	4 6		
Treasury and inspector's room, &c., outer walls	..	115 9	4 4½	4 6	3,268	
Do. do. inner walls	2	20 4½	4 4½	4 6		
Do. do.	1	9 6	4 4½	4 6		
Jail wards, outer walls	..	173 0	4 0	4 6	3,114	
Do. partitions	4	12 6	3 7½	4 6	816	
Verandah and covered way walls near jail	..	89 0	3 3	4 6	5,404	
Do. in front	..	130 0	3 3	4 6		
Do. in rear and sides of record room	..	150 6	3 3	4 6		
Extra thickness at verandah posts	32	1 1½	0 4½	4 6	64	
Do. do. at corners	5	0 4½	0 4½	4 6		
Do. do.	4	1 10½	0 4½	4 6	13	
Steps	2	12 6	3 0	1 6	214	
Do.	1	11 6	3 0	1 6		
Do.	2	5 6	3 0	1 6		
Total, Cubic feet	..	..	..	..	..	20,632
CONCRETE IN FOUNDATIONS.						
Court, outer walls	..	92 0	4 0	1 6	552	
Property and private room, end walls	3	5 4½	3 7½	1 6	336	
Do. do. outer walls	..	45 7½	3 7½	1 6		
Cashier's, sheristadar's and clerk's room, longitudinal walls	2	70 0	4 0	1 6	1,692	
Do. do. partitions	3	15 6	4 0	1 6		
Record room, outer walls	..	95 6	4 0	1 6		
Treasury and inspector's room, outer walls	..	115 9	4 4½	1 6	1,089	
Do. do. inner walls	2	20 4½	4 4½	1 6		
Do. do.	1	9 6	4 4½	1 6		
Jail wards, outer walls	..	173 0	4 0	1 6	1,038	
Do. partitions	4	12 6	3 7½	1 6	272	
Verandah and covered way walls near jail	..	89 0	3 3	1 6	1,800	
Do. in front	..	130 0	3 3	1 6		
Do. in rear and sides of record room	..	150 6	3 3	1 6		
Extra thickness at verandah posts	32	1 1½	0 4½	1 6	26	
Do. do. at corners	5	0 4½	0 4½	1 6		
Do. do.	4	1 10½	0 4½	1 6		
Steps	2	12 6	3 0	1 6	214	
Do.	1	11 6	3 0	1 6		
Do.	2	5 6	3 0	1 6		
Total, Cubic feet	..	..	..	..	..	7,019
BRICKWORK IN FOUNDATIONS.						
Footings.						
Court, outer walls	..	92 0	2 3	1 0	207	
Private and property room end walls	3	7 1½	1 10½	1 0	122	
Do. do. outer walls	..	43 10½	1 10½	1 0		
Cashier's, sheristadar's and clerk's room, longitudinal walls	2	71 9	2 3	1 0	658	
Do. do. partitions	3	17 3	2 3	1 0		
Record room, outer walls	..	97 3	2 3	1 0		
Treasury and inspector's room, outer walls	..	115 9	2 7½	1 0	450	
Do. do. inner walls	2	22 1½	2 7½	1 0		
Do. do.	1	11 3	2 7½	1 0		
Jail wards, outer walls	..	173 0	2 3	1 0	389	
Do. partitions	4	14 3	1 10½	1 0	107	
Verandah and covered way near jail	..	92 6	1 6	1 0	565	
Do. in front	..	131 9	1 6	1 0		
Do. in rear and sides of record room	..	152 3	1 6	1 0		
Extra thickness at verandah posts	32	1 1½	0 4½	1 0	17	
Do. do. at corners	5	0 4½	0 4½	1 0		
Do. do.	4	1 10½	0 4½	1 0		
Above footings to ground level, court, outer walls	..	92 3	1 6	2 0	276	
Private and property room, end walls	3	7 10½	1 1½	2 0	150	
Do. do. outer walls	..	43 1½	1 1½	2 0		

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Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Brickwork in Foundations—*cont.*						
Footings—cont.						
Cashier's, sheristadar's and clerk's rooms, longitudinal walls	2	72 6	1 6	2 0	891	
Cashier's, sheristadar's and clerk's rooms, longitudinal partitions	3	18 0	1 6	2 0		
Record room, outer walls	..	98 0	1 6	2 0		
Treasury and Inspector's room.						
Outer walls	..	116 9	1 10½	2 0	654	
Do. inner walls	2	22 10½	1 10½	2 0		
Do. do.	1	12 0	1 10½	2 0		
Jail, outer walls	..	173 0	1 6	2 0	519	
Do. partitions	4	15 0	1 1½	2 0	135	
Verandah and covered way rear jail	..	94 0	0 9	2 0	509	
Do. in front	..	132 6	0 9	2 0		
Do. in rear and sides of record room	..	153 0	0 9	2 0		
Extra thickness at verandah posts	32	1 1½	0 4½	2 0	34	
Do. at corners	5	0 4½	0 4½	2 0		
Do. do.	4	1 10½	0 4½	2 0		
Extra thickness for plinth	..	199 7½	0 3	2 0	100	
Dais walls	..	20 9	1 1½	1 6	35	
Steps	..	36 6	3 0	0 6	55	
Do.	..	30 6	2 0	0 6	31	
Do.	..	24 6	1 0	0 6	12	
Do. near jail	2	5 6	3 0	1 0	33	
						3,494
Deduct—						
Stone in steps	..	..	..	..	..	72
Total, Cubic feet	..	..	..	..	..	3,422
Brickwork in Superstructure.						
Court, outer walls	..	92 0	1 6	13 3	1,829	
Do. dais walls	..	20 9	1 1½	1 6	35	
Private and property room end walls	3	7 10½	1 1½	8 0	292	
Do. do. half gables	3	7 10½	1 1½	3 0		
Do. do. outer walls	..	43 1½	1 1½	8 0	388	
Cashier's, sheristadar's and clerk's room, longitudinal walls	2	72 6	1 6	13 3	3,955	
Cashier's, sheristadar's and clerk's room, longitudinal partitions	3	18 0	1 6	13 3		
Cashier's, sheristadar's and clerk's room, longitudinal gables	4	21 0	1 6	3 6	441	
Record room, outer walls	..	98 0	1 6	12 0	1,764	
Do. gables	2	18 0	1 6	3 0	162	
Treasury and inspector's room, outer walls, including battlement	..	116 9	1 10½	20 0	4,378	
Treasury and inspector's room, inner walls	2	22 10½	1 10½	15 0	1,624	
Do. do. do.	1	12 0	1 10½	15 0		
Jail wards, outer walls	..	173 0	1 6	12 0	3,114	
Do. partitions	4	15 0	1 1½	12 0	810	
Do. gables at ends	2	18 0	1 6	3 0	162	
Do. do. for partitions	4	18 0	1 1½	3 0	243	
						19,179

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Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Brickwork in Superstructure—*cont.*						
Deductions—						
Doors in treasury	8	4 0	1 10½	8 0	750	
Windows do.	6	4 0	1 10½	6 0		
Archway in treasury square portion	1	12 0	1 10½	4 0	90	
Do. semi-circular do.	..	56 6	Area.	1 10½	106	
Doors in court, &c.	17	4 0	1 6	8 0	861	
Do. do.	1	4 0	1 6	7 6		
Do. in private and property room	2	4 0	1 1½	7 6	104	
Windows in do.	2	4 0	1 1½	4 0		
Doors in jail	5	4 0	1 6	7 6	225	
Ventilators in jail	7	4 0	1 6	2 0	84	
Record-room windows	18	1 9	1 6	5 6	260	
Archwork as per details	..	..	..	..	535	
						3,015
Total, Cubic feet	..	..	..	..	..	16,182
Archwork.						
Over treasury doors and windows	14	5 0	1 10½	1 1½	148	
Do. arch semi-circular	1	21 6	1 10½	1 6	60	
Over doors in court, &c.	18	5 0	1 6	1 1½	152	
Do. and windows in private and property room	4	5 0	1 1½	1 1½	25	
Over doors and end ventilators in jail	7	5 0	1 6	1 1½	150	
Over record-room windows	18	3 0	1 6	1 1½		
Total, Cubic feet	..	..	..	..	..	535
Cut Stonework.						
Slabs under posts	48	1 0	1 0	0 6	24	
Steps	..	142 0	1 0	0 6	72	
Slabs under trusses	22	2 0	1 6	0 4	22	
Total, Cubic feet	..	..	..	..	..	118
Earth filling in basement.						
Court	1	25 0	18 0	1 6	675	
Dais	1	5 10½	6 9	1 0	40	
Private and property rooms	..	20 9	7 10½	1 6	363	
Clerk's, sheristadar's, &c., rooms	..	68 0	18 0	1 6	1,836	
Treasury and verandah	1	21 0	12 6	1 6	378	
Arms and inspector's room	2	22 10½	8 0	1 6	549	
Jail wards	..	64 0	15 0	1 6	2,340	
Record room	1	40 0	15 0	1 6		
Verandahs	..	170 0	8 3	1 6	2,104	
Do.	..	167 0	5 9	1 6	1,440	
Covered way	1	18 0	13 6	1 6	365	
Total, Cubic feet	..	..	..	..	..	10,090
Teakwood wrought and put up.						
Court, clerk, sheristadar's, &c., room—						
Five trusses to span 18 feet. Tie beams	5	21 0	0 4	0 7	20	
Principal rafters	10	11 3	0 4	0 6	20	
Struts	10	5 9	0 4	0 4	6	
Purlins allowing for halving	..	196 0	0 4	0 6	33	
Wall purlins do.	..	205 0	0 3	0 4	17	
Ridge do.	..	94 0	0 3	0 9	18	
Hip rafters for court	5	17 0	0 3½	0 6	17	
Do. for sheristadar's room	2	15 0	0 3½	0 6		
Common rafters, 18 inches centre to centre	102	12 6	0 3	0 4	154	
Jack rafters for court	48	9 0 Average length.	0 3	0 4		
Do. for sheristadar's room	20	7 0 Average length.	0 3	0 4		
Record-room—						
Three trusses to span 15 feet. Tie beams	3	18 0	0 4	0 6	9	
Principal rafters	6	9 3	0 4	0 5	8	
Struts	6	4 9	0 4	0 4	3	
Purlins (allowing for halving)	2	49 0	0 4	0 5	14	
Wall purlins	2	44 0	0 3	0 3	6	
Ridge	1	53 6	0 3	0 3	9	
Common rafters, 18 inches centre to centre	58	10 9	0 3	0 3	42	
Do. do. at ends	4	12 6	0 3	0 3		
Treasury, inspector and arms' room—						
Joists, 18 inches centre to centre	16	14 0	0 3½	0 8	44	
Do. do.	32	9 6	0 3	0 6	38	

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Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
TEAKWOOD WROUGHT AND PUT UP—*cont.*						
Jail wards.						
Three trusses to span 15 feet. { Tie beams	3	18 0	0 4	0 6	9	
Principal rafters	6	9 9	0 4	0 5	8	
Struts	6	4 9	0 4	0 3	3	
Purlins allowing for halving	2	75 6	0 4	0 4	21	
Wall purlins do.	2	75 6	0 4	0 3	9	
Ridge	1	75 6	0 3	0 3	13	
Common rafters, 18 inches centre to centre	56	12 6	0 3	0 3	} 76	
Do. do. do.	48	10 9	0 3	0 3		
Covered way.						
One truss to span 15 feet. { Tie beam	1	16 6	0 4	0 6	3	
Principal rafters	2	9 3	0 4	0 5	3	
Struts	2	4 9	0 4	0 4	1	
Purlins	2	20 0	0 4	0 5	6	
Do. over posts	2	20 0	0 4	0 4	4	
Ridge	1	20 0	0 4	0 5	3	
Hip rafters	2	16 0	0 3	0 4	3	
Common rafters	18	12 6	0 3	0 3	} 17	
Jack rafters	8	6 6	0 3	0 3		
Verandah.						
Posts	48	0 6	0 6	2 6	55	
Breastsummers for 9 feet verandah	..	187 0	0 6	0 7½	58	
Do. for 6½ feet do.	..	272 9	0 6	0 7½	58	
Hip rafters	4	12 6	0 6	0 6		
Do.	1	18 5	0 3	0 6	}	
Ridges	1	15 6	0 3	0 6		
Common rafters for 9 feet verandahs and property room 18" centre to centre	122	13 6	0 3	0 6	13	
Jack rafters do. do.	24	5 8	0 3	0 5		
		Average length.				
Do.	4	7 6	0 3	0 5	195	
		Average length.				
Common rafters for 6½' verandah 18" centre to centre	12	8 6	0 3	0 6		
Jack rafters	102					
Boarding at ends of Jail.						
Verandahs	28	10 0	0 3	0 4	} 98	
		6 6	0 3	0 4		
Barge boards for jail and record room gables	2	8 0	0 1	3 5	4	
Do. collar piece	6	13 0	0 2	0 9	5	
Barge boards for finials	6	3 0	0 1	1 0	2	
Do. do.	3	9 0	0 1	1 0	2	
Do. do.	3	6 6	0 3	0 4	2	
Front Verandah gables.	3	1 6	0 3	0 3	1	
Barge boards	6	4 0	0 6	0 6	1	
Collar pieces			2 0	0 1½	1	
Finials	4	7 0	0 1	0 7½	2	
Planks	2	7 0	0 2	0 4	1	
Weather boards for Jail.	2	6 0	0 2	0 3	1	
Brackets	2	2 6	0 1½	1 6	1	
Struts	4	3 6	0 1	0 3½	} 1	
Breastsummers	4	3 0	0 2	0 3½		
Rafters	2	6 9	0 2	0 3½		
Planks including overlap	8	4 6	0 7	0 3½		
Total, Cubic feet ..	12	6 3	0 2½	0 2	4	
	..	..	..	..	..	1,185
VENETIAN AND PANEL DOORS WITH FRAMES COMPLETE.						
Outer doors of court, clerk's, sheristadar's, &c., rooms	11	4 0	..	5 0	352	
Private room	1	4 0	..	7 6	30	
Total, Square feet ..	..	..	..	..	..	382
PANELLED DOORS WITH FRAMES.						
Inner doors of court, clerk's, sheristadar's, &c., room	6	4 0	..	5 0	192	
Do. do. do.	1	4 0	..	7 6	30	
Total, Square feet ..	..	..	..	..	..	222

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Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
WROUGHT IRON GRATED DOORS WITH WOODEN FRAMES.						
For jail wards	5	4 0	..	7 6	150	
Treasury, &c.	8	4 0	..	8 0	256	
Total, Square feet ..	..	..	..	..	..	406
Strong battened shutters for treasury doors without frames	4	3 6	..	7 6	105	Sq. ft.
Strong battened door with frame for property room	1	4 0	..	7 6	30	Sq. ft.
VENETIAN WINDOWS WITH FRAMES AND IRON BARS.						
For private and property room	2	4 0	..	4 0	32	Sq. ft.
BATTENED WINDOWS WITH FRAMES AND IRON BARS.						
For arms and inspector's room	6	4 0	..	6 0	144	
For record room	18	1 9	..	5 6	173	
Total, Square feet ..	..	..	..	..	..	317
Teak frames with iron bars for jail ventilators	7	4 0	..	2 0	56	Sq. ft.
WROUGHT IRON WORK IN TRUSSES.						
1" diar. king rods for 18 feet trusses	5	8 0	= 40 0	× 2·62	= 105	
1" hex. nut and bolt head for do.	15	..	..	× 1·10	= 17	
3" diar. ½" thick washers for do.	10	..	..	× 0·32	= 3	
1½" × ½" heel straps for do.	10	2 9	27 6	× 2·50	= 69	
1½" × ½" bearing plates for 18 feet trusses	10	0 6¾	= 5 3¾	× 2·50	= 13	
⅝" hex. nuts for do. do.	20	..	..	× ·267	= 5	
Caps of ⅜" plate 6" wide	5	2 0	= 10 0	× 7·51	= 75	
⅞" diar. kingrod for 15 feet trusses	7	6 7½	= 46 4½	× 2·01	= 93	
⅞" hex. nut and head for trusses	21	..	..	× 0·73	= 15	
⅜" diar. ½" thick washers for trusses	14	..	..	× 0·32	= 4	
⅜" diar. ½" thick washers for trusses	14	2 3	= 31 6	× 1·87	= 58	
1½" × ⅜" bearing plate for trusses	28	0 6¾	= 7 10½	× ·267	= 15	
⅝" hex. nut for trusses	7	..	..	× 7·51	= 7	
Caps of ⅜" plate 6" wide	7	1 6	= 10 6	× 7·51	= 79	
Total, lb. ..	..	..	..	..	..	558
TERRACE ROOFING.						
For treasury, inspector's and arms' rooms	..	32 9	..	23 10½	782	Sq. ft.
Squares ..	..	..	..	..	..	7·82
TILED ROOFING.						
Court room	..	28 0	..	26 0	} 2,808	
Clerk's, sheristadar's, &c., rooms	..	80 0	..	26 0		
Record room	..	49 0	..	23 0	1,127	
Jail	..	74 6	..	24 6	1,825	
Covered way	..	15 3	..	25 0	381	
Verandah 9 feet wide	..	210 0	..	12 0	2,520	
Do. 6½ do.	..	182 0	..	9 0	1,638	
Square feet ..	..	..	..	..	..	10,299
Total, Squares ..	..	..	..	..	..	103
FLOORING WITH 8" SQUARE BRICKS.						
Court	1	25 0	..	18 0	450	
Private room	1	7 10½	..	18 9	} 242	
Property room	1	7 10½	..	12 0		
Clerk's, sheristadar's, &c., room	..	68 0	..	18 0	1,244	
Treasury and verandah	..	22 10½	..	12 0	} 641	
Inspector's and arms' room	2	22 10½	..	8 0		
Covered way	1	18 0	..	15 0	270	
Verandah 9 feet wide	..	175 0	..	9 0	1,575	
Do. 6½ do.	..	167 0	..	6 6	1,086	
Door pieces	18	4 0	..	1 6	108	
Do.	8	4 0	..	1 10½	60	
Do.	2	4 0	..	1 1½	9	
Square feet ..	..	..	..	..	..	5,685
Total, Squares ..	..	..	..	..	..	56·85

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Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
FLOORING RECORD ROOM AND JAIL WITH ASPHALTE ¾" THICK OVER A BED OF CONCRETE.						
Record room	1	40 0	..	15 0	} 1,560	
Jail	1	64 0	..	15 0		
Door pieces	5	4 0	..	1 6	30	
Square feet ..	..	..	..	..	..	1,590
Total, Squares ..	..	..	..	..	..	15·90
PLASTERING INTERIOR (TWO COATS).						
Court	..	86 0	..	13 3	1,140	
Private room	..	43 3	..	10 6	454	
Property room	..	19 10½	..	8 0	159	
Do.	2	7 10½	..	10 6	165	
Do.	1	4 1½	..	13 3	55	
Clerk's, sheristadar's, &c., room	..	280 0	..	13 3	3,710	
Gables	9	18 0	..	3 0	486	
Record room	..	110 0	..	12 0	1,320	
Gables	2	15 0	..	2 6	75	
Treasury	..	64 0	..	14 0	} 3,073	
Do. verandah	..	42 0	..	14 0		
Inspector's and arms' room	2	61 9	..	14 0		
Jail wards	..	278 0	..	12 0	3,336	
Do. gables	10	15 0	..	2 6	375	
Door jambs and soffits	17	20 0	..	1 6	510	
Do. do.	1	19 0	..	1 6	29	
Do. do.	8	20 0	..	1 10½	300	
Do. do.	2	19 0	..	1 1½	43	
Do. do.	5	19 0	..	1 6	143	
Arch do.	..	27 0	..	1 10½	51	
Window do.	6	20 0	..	1 10½	225	
Do. do.	2	16 0	..	1 1½	36	
Do. do.	18	14 6	..	1 6	} 488	
Ventilator jambs	2	12 0	..	1 6		
Do.	5	8 0	..	1 6		16,278
Deductions—						
Doorways	32	4 0	..	8 0	1,024	
Do.	9	4 0	..	7 6	270	
Archway, square portion	1	12 0	..	4 0	48	
Do. semi-circular portion	1	56 6	Area.	..	57	
Windows	2	4 0	..	4 0	32	
Do.	6	4 0	..	6 0	144	
Do.	18	1 9	..	5 6	174	
Ventilators	7	4 0	..	2 0	56	1,805
Square feet ..	..	..	..	..	..	14,473
Total, Squares ..	..	..	..	..	..	144·73
POINTING EXTERIOR.						
Court	..	50 9	..	13 3	} 3,028	
Clerk's, sheristadar's, &c., rooms	..	177 9	..	13 3		
Property and private room	..	62 3	..	7 6	467	
Do. half gables	2	9 0	..	3 0	54	
Record room	..	101 0	..	12 0	1,212	
Do. gable	1	18 0	..	3 0	54	
Treasury and inspector's, &c., rooms	..	124 3	..	21 6	2,671	
Do. inside parapet	..	109 3	..	5 0	546	
Jail wards	..	179 0	..	12 0	2,148	
Do. gables	2	18 0	..	3 0	108	
Basement all round	..	609 0	..	2 0	1,218	11,506
Deduct—						
Doorways	16	4 0	..	8 0	512	
Do.	7	4 0	..	7 6	210	
Archway, square portion	1	12 0	..	4 0	48	
Do. semi-circular portion	1	56 6	Area.	..	57	
Windows	2	4 0	..	4 0	32	
Do.	6	4 0	..	6 0	144	
Do.	18	1 9	..	5 6	174	
Ventilators	7	4 0	..	2 0	56	
End wall, cashier's room	1	21 0	..	16 0	336	1,569
Square feet ..	..	..	..	..	..	9,937
Total, Squares ..	..	..	..	..	..	99·37
Lead sheeting for roof valleys	..	184 0	1 6	× 276	Per foot lb. × 5	lb. 1,380
Mouldings over windows for inspector's and arms' room.	6	6 0	..	..	36	L. ft.

Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Coping for treasury	..	..	..	125	L. ft.	
Railing for dais	..	..	..	23	,,	
Finials over court	..	..	2 in number.			
PAINTING WITH THREE COATS OF CARSON'S PAINT.						
Venetian and panel doors	3	382 0	..	..	1,146	
Panelled doors	2	222 0	..	..	444	
Wrought iron grated doors	2	406 0	..	..	812	
Batten shutters	2	105 0	..	..	210	
Do. do.	2	30 0	..	..	60	
Do. windows	2	317 0	..	..	634	
Ventilators	2	56 0	..	..	112	
Roof timbers including weather boards, &c. ..	..	..	..	..	11,972	
Square feet ..	..	..	..	..	..	15,390
Total, Squares ..	..	..	..	..	..	154
Add extra labor in finishing bargeboards and finials.	..	..	5 in number.			
Punkah 10 feet long	..	..	1 ,,			

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ESTIMATE FORM—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
		RS.		RS.	RS.
20,632 C. feet ..	Excavation for foundation	..	1,000 C. feet.		
7,019 ,, ..	Concrete in foundation	..	100 C. feet.		
5,843 ,, ..	Brickwork in foundations	..	,,		
3,422 ,, ..	Do. in basement	..	,,		
16,182 ,, ..	Do. in superstructure	..	,,		
535 ,, ..	Archwork	..	,,		
118 ,, ..	Cut stonework	..	C. feet.		
10,090 ,, ..	Filling in basement	..	1,000 C. feet.		
1,185 ,, ..	Teakwood wrought and put up	..	C. feet.		
382 Sq. feet.	Venetian and panel doors with frames	..	Square feet.		
222 ,, ..	Panelled doors with frames	..	,,		
406 ,, ..	Wrought iron grated doors with teak frames ..	..	,,		
105 ,, ..	Strong battened shutters for treasury doors without frames	..	,,		
30 ,, ..	Strong battened door with frame for property room ..	..	,,		
32 ,, ..	Venetian windows with frames and iron bars ..	..	,,		
317 ,, ..	Battened do. do. ..	..	,,		
56 ,, ..	Teak frames with iron bars for jail ventilators ..	..	,,		
558 lb. ..	Wrought iron work in trusses	..	lb.		
7·82 Squares.	Terrace roofing	..	Square.		
103 ,, ..	Tiled roofing with flat and pan tiles including teak reepers	..	,,		
56·85 ,, ..	Flooring with 8-inch square pavement tiles	..	,,		
15·90 ,, ..	Flooring record room and jail with asphalte ¾ inch thick over a bed of concrete	..	,,		
144·73 ,, ..	Plastering interior (two coats)	..	,,		
99·37 ,, ..	Pointing exterior	..	,,		
1,380 lb ..	Lead sheeting for roof valleys	..	lb.		
36 L. feet.	Mouldings over windows	..	L. feet.		
125 ,, ..	Coping for treasury parapet	..	,,		
23 ,, ..	Hand railing for dais	..	,,		
2 in No.	Finials over court	..	Each.		
154 Squares.	Painting with three coats of Carson's paint	..	Square.		
5 in No. ..	Add extra labor in finishing barge boards and finials ..	..	Each.		
1 ,, ..	Punkah 10 feet long	..	,,		
..	Petty supervision	..	..		
..	Contingencies	..	..		

MADRAS,
25th April 1887.

(Signed) J. W. BRASSINGTON,
Offg. Consulting Architect to Government.

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TAHSILDAR'S CUTCHERRY.

Descriptive Specification.

Foundations.—A depth of 4 feet 6 inches is provided in the quantities, but this should be settled locally in accordance with the nature of the soil.

Walling.—The walls should be carried up in English bond, walls of treasury 2½ bricks thick, court, offices, record room and outer walls of jail 2 bricks thick, jail partitions and verandah rooms near court 1½ bricks. Verandah retaining walls 1 brick thick, except under posts which will be half a brick thicker.

Stonework.—Stone slabs 12″ × 12′ × 6″ with mortice holes 2 inches square and 2 inches deep cut into them into which the verandah posts will be tennoned.

Slabs will also be placed at the bearings of trusses. The steps may also be of stone, if procurable without great expense.

Woodwork.—The doors, windows, weather boards, verandah posts and trusses should be of well-seasoned teakwood, the rafters and other minor roof timbers may be of approved country wood.

Roofing.—The roof of the treasury, arms, and inspector's room will be of pucka terrace. The rest of the building will be covered with flat and pan tiles; if the quality of these are good the usual unsightly "chunam bands" might be dispensed with; all valleys should be protected with sheet lead.

Flooring.—The floor may be of square bricks or stone slabs if the latter are easily procurable. Jail wards and record room floors to be asphalted.

Interior and exterior finishing.—The interior walls will be fine plastered with shell lime or plastered and washed. Where good bricks are obtainable the exterior should be pointed.

Where the soil is damp the space below the flooring should be filled with river sand to a depth of 1 foot at least and the interior walls plastered with Portland cement ¼ an inch thick to a height of 3 feet all over above floor level. The exterior plinth should also be plastered with cement.

Finials.—The finials may be of copper, iron or wood.

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

CHEPÂK,
25th April 1887.

(Signed) J. W. BRASSINGTON,
Offg. Consulting Architect to Government.

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From J. W. BRASSINGTON, Esq., Officiating Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 25th April 1887, No. 95.

In continuation of my letter, No. 1530, dated the 12th March last, I have the honor to submit a revised plan and schedule of quantities for tahsildars' cutcherries.

2. The plan and quantities for deputy tahsildars' cutcherries will follow.

No. 72 D.

Forwarded for the approval of Government in the Revenue Department.

2. The design has already been approved in Committee by the Honorable Members and Secretaries to Government.

6th May 1887. (Signed) J. O. HASTED, Col., R.E.,
Chief Engineer, P.W.D.

G.O., dated 23rd May 1887, No. 2981, Revenue.

Read—endorsement of Public Works Department, dated 6th May 1887, No. 72 D., forwarding, for approval, revised standard design for taluk offices.

Order—dated 23rd May 1887, No. 2981, Revenue.

Approved.

(True Extract.)

(Signed) J. F. PRICE,
Ag. Secy. to Govt.

ORDER—dated 3rd June 1887, No. 1495 W., Public Works.

The revised type design, with schedule of quantities and descriptive specification for a first-class taluk office, will be circulated to officers of the Public Works Department, for information and guidance, in supersession of all previous standard designs for similar buildings.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
" the Consulting Architect to Government.
" the Revenue Department.

Exd. P. L. Pereira.
Spare Copies

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BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated June, 3rd.

Read. *Encl.*

G.O., 3rd June 1887, No. 1495 W.

JUNE.

Taluk Office

A revised type design for a first-class —, circulated to officers of the department.

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Accompaniment to G.O., No. 1602 W., dated 15th June 1887.

DEPUTY TAHSILDAR'S CUTCHERRY.

Descriptive Specification.

Foundations.—A depth of 4 feet is provided in the quantities, but this should be settled locally in accordance with the nature of the soil.

Walling.—The walls should be built in English bond, outer walls 2 bricks thick, partitions 1½ bricks thick, verandah walls 1 brick thick, except under posts which will be half a brick thicker.

Stonework.—Stone slabs 12″ × 12″ × 6″ with mortice holes 2 inches square and 2 inches deep cut into them into which the verandah posts will be tenoned. Slabs will also be placed at the bearings of trusses. The steps may also be of stone, if procurable without great expense.

Woodwork.—The doors, windows, weather boards, verandah posts and trusses should be of well seasoned teakwood, the rafters and other minor roof timbers may be of approved country wood.

Roofing.—The roof will be covered with flat and pan tiles; if the quantity of these are good, the usual unsightly "chunam bands" might be dispensed with. All valleys should be protected with sheet lead.

Flooring.—The floor may be of square bricks or stone slabs, if the latter are easily procurable. Asphalte flooring is provided for jail wards.

Interior and exterior finishing.—The interior walls will be fine plastered with shell lime or plastered and washed. Where good bricks are obtainable the exterior should be pointed.

Note.—Where the soil is damp, the space below the flooring should be filled with river sand to a depth of 1 foot at least.

The interior walls to a height of 3 feet above floor level and the plinth all round should be plastered with Portland cement ½ an inch thick.

Finials.—The finials over the court may be of copper, iron or wood.

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

(Signed) J. W. BRASSINGTON,
Offg. Consulting Architect to Government.

Estimate Form.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
Excavation for Foundation.						
Court and retiring room—						
Outer walls	...	92 3	4 6	4 0	1,661	
Partition	1	12 0	4 1½	4 0	198	
Clerks, record and police—						
Outer walls	2	49 3	4 6	4 0	1,773	
Partitions	2	12 0	4 1½	4 0	396	
Jail wards, outer walls	...	122 9	4 6	4 0	2,210	
Do. partitions	3	12 0	4 1½	4 0	594	
Verandah at front and end	...	122 9	3 6	4 0	2,408	
Do. at rear	...	49 3	3 6	4 0		
Extra thickness under posts ...	21	1 1½	0 4½	4 0		
Do. do. at corners	1	1 10½	0 4½	4 0	45	
Do. do. do.	3	0 4½	0 4½	4 0		
Do. next to walls	4	0 9½	0 4½	4 0		
Steps	2	16 6	3 0	1 6	194	
Do.	1	10 0	3 0	1 6		
Total, Cubic feet ...	...	...	...	...	...	9,479

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Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Concrete.						
Court and retiring room—						
Outer walls	...	92 3	4 6	1 6	623	
Partition	1	12 0	4 1½	1 6	74	
Clerks, record and police—						
Outer walls	2	49 3	4 6	1 6	665	
Partitions	2	12 0	4 1½	1 6	149	
Jail wards, outer walls	...	122 9	4 6	1 6	829	
Do. partitions	3	12 0	4 1½	1 6	223	
Verandah at front and end	...	122 9	3 6	1 6	903	
Do. at rear	...	49 3	3 6	1 6		
Extra thickness under posts ...	21	1 1½	0 4½	1 6		
Do. do.	1	1 10½	0 4½	1 6		
Do. do.	3	0 4½	0 4½	1 6	17	
Steps	4	0 9½	0 4½	1 6		
Do.	2	16 6	3 0	1 6		
... ...	1	10 0	3 0	1 6	194	
Total, Cubic feet ...	...	...	...	...	...	3,677
Brickwork in Foundations.						
Footings.						
Court and retiring room—						
Outer walls	...	92 3	2 3	1 6	311	
Partition	1	14 3	1 10½	1 6	40	
Clerks, record and police—						
Outer walls	2	51 6	2 3	1 6	348	
Partitions	2	14 3	1 10½	1 6	80	
Jail wards, outer walls	...	122 9	2 3	1 6	414	
Do. partitions	3	14 3	1 10½	1 6	120	
Verandah at front and end	...	125 0	1 6	1 6	397	
Do. at rear	...	51 6	1 6	1 6		
Extra thickness under posts ...	21	1 1½	0 4½	1 6		
Do. corners	1	1 10½	0 4½	1 6		
Do. do.	3	0 4½	0 4½	1 6	17	
Do. next to walls ...	4	0 9½	0 4½	1 6		
Above footings to ground level.						
Court and retiring room—						
Outer walls	...	92 3	1 6	1 0	138	
Partition	1	15 0	1 1½	1 0	17	
Clerks, record and police—						
Outer walls	2	52 3	1 6	1 0	157	
Partitions	2	15 0	1 1½	1 0	34	
Jail wards, outer walls	...	122 9	1 6	1 0	184	
Do. partitions	3	15 0	1 1½	1 0	51	
Verandah at front and end	...	125 9	0 9	1 0	134	
Do. at rear	...	52 3	0 9	1 0		
Extra thickness under posts ...	21	1 1½	0 4½	1 0		
Do. at corners	1	1 10½	0 4½	1 0		
Do. do.	3	0 4½	0 4½	1 0	11	
Do. next to walls ...	4	0 9½	0 4½	1 0		
Extra thickness for plinth	...	117 3	0 3	1 0	29	
Total, Cubic feet ...	...	...	...	...	...	2,482
Brickwork in Basement.						
Court and retiring room—						
Outer walls	...	92 3	1 6	2 0	277	
Partition	1	15 0	1 1½	2 0	34	

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Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Brickwork in Basement—cont.						
Clerks, record and police—						
Outer walls	2	52 3	1 6	2 0	314	
Partitions	2	15 0	1 1½	2 0	68	
Jail wards—						
Outer walls	...	122 9	1 6	2 0	368	
Partitions	3	15 0	1 1½	2 0	101	
Verandah at front and end ...	...	125 9	0 9	2 0	189	
Do. at rear	...	52 3	0 9	2 0	78	
Do. extra thickness under posts	21	1 1½	0 4½	2 0		
Do. do. at corners ...	1	1 10½	0 4½	2 0	22	
Do. do. do. ...	3	0 4½	0 4½	2 0		
Do. do. next to walls.	4	0 9½	0 4½	2 0		
Do. do.	...	117 3	0 3	2 0	59	
Extra thickness for plinth	2	16 6	3 0	0 6	50	
Steps	2	14 6	2 0	0 6	29	
Do.	2	12 6	1 0	0 6	13	
Do.	1	10 0	3 0	0 6	15	
Do.	1	8 0	2 0	0 6	8	
Do.	1	6 0	1 0	0 6	3	1,628
Do. ...						
Deduct—						
Cut stones in steps and under posts	...	...	...	...	...	79
Total, Cubic feet ...	...	...	...	...	...	1,549
Brickwork in Superstructure.						
Court front and end walls	...	60 3	1 6	12 9	1,152	
Do. rear wall	1	15 0	1 1½	12 9	215	
Do. dais	1	19 9	1 1½	1 6	33	
Retiring room rear wall	1	18 0	1 6	8 0	216	
Do. sides	2	7 0	1 6	10 4½	218	
Clerks, record and police—						
Outer walls	2	52 3	1 6	12 9	1,999	
Partitions	2	15 0	1 1½	12 9	430	
Gables	1	18 0	1 6	3 0	81	
Do.	2	18 0	1 1½	3 0	122	
Jail wards—						
Outer walls	...	122 9	1 6	12 9	2,348	
Partitions	3	15 0	1 1½	12 9	645	
Gables	3	18 0	1 6	3 0	243	
Do.	3	18 0	1 1½	3 0	182	7,884
Deductions—						
Doorways	9	4 0	1 6	8 0	432	
Do.	1	4 0	1 1½	8 0	70	
Do.	1	4 0	1 1½	7 6		
Do.	4	4 0	1 6	6 6	156	
Do.	3	4 0	1 6	5 0	114	
Windows	1	4 0	1 6	4 0		
Do.	6	4 0	1 6	2 0	72	
Ventilators	2	7 6	1 6	6 6	146	
Openings in police room ...	...	...	...	...	210	1,200
Archwork as per details ...	...	...	...	...	...	6,684
Total, Cublic feet ...	...	...	...	...	...	

Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Archwork.						
Over doors and windows	16	5 0	1 6	1 1½	135	
Do. do.	2	5 0	1 1½	1 1½	13	
Ventilators	2	5 0	1 6	1 1½	17	
Openings in police room	2	10 0	1 6	1 6	45	
Total, Cubic feet ...	...	...	...	...	...	210
Cutstone Work.						
Slabs under posts	29	1 0	1 0	0 6	79	
Steps	...	129 0	1 0	0 6		
Slabs under trusses	10	2 0	1 6	0 4	10	
Total, Cubic feet ...	...	...	...	...	...	89
Earth filling in Basement.						
Court and retiring room	9	27 0	15 0	1 6		
Clerks, record and police	...	50 0	15 0	1 6	2,633	
Jail wards	...	40 0	15 0	1 6		
Verandahs in front and end ...	...	110 9	6 9	1 6	1,650	
Do. in rear	...	52 3	6 9	1 6		
Dais	...	5 9	5 10½	1 0	34	
Total, Cubic feet ...	...	...	...	...	...	4,317
Teakwood wrought and put up.						
5 trusses to span 15 feet — Tie beams	5	18 0	0 4	0 6	15	
Principal rafters	10	9 9	0 4	0 5	14	
Struts	10	4 9	0 4	0 4	5	
Purlins (allowing for halving) ...	2	22 0	0 4	0 6		
Do. do.	2	63 6	0 4	0 6	46	
Do. do.	2	52 0	0 4	0 6		
Wall purlins	2	22 0	0 3	0 4		
Do.	2	17 0	0 3	0 4		
Ridge	2	55 0	0 3	0 4	24	
Do.	2	52 0	0 3	0 4		
Do.	1	5 6	0 3	0 4		
Wall plate for outer wall of retiring room	1	71 0	0 3	0 8	21	
Hip rafters	1	52 0	0 3	0 8		
Common rafters, 18″ centre to centre	7	17 0	0 3	0 2	1	
for court	10	15 0	0 3	0 5	11	
Clerks, records, and police	72	10 9	0 3	0 4		
Jail wards	20	10 9	0 3	0 4		
Do.	44	12 6	0 3	0 4	157	
Jack rafters		average				
Rafters for retiring room	40	6 0				
Verandah—	11	11 6	0 3	0 4		
Posts	29	0 5	0 3	0 5	13	
Breastsummers allowing for halving	...	186 0	0 5	7 6	38	
Hip rafters	7	16 0	0 5	0 5	32	
Do.	2	10 0	0 3	0 5	14	
Ridge for verandah gables ...	2	6 0	0 3	0 5		
				0 6	2	

Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Teakwood wrought and put up—cont.						
Verandah—*cont.*						
Common rafters	76	11 6	0 3	0 5		
Jack rafters — average length.	40	9 6	0 3	0 5		
Do.	8	5 6	0 3	0 5	138	
Do.	6	8 6	0 3	0 5		
Do.	12	5 0	0 3	0 5		
Barge boards for jail gables ...	4	13 0	0 1	0 9	3	
Do.	4	3 0	0 1	1 0	1	
Do. collar pieces ...	2	9 0	0 3	0 4	2	
Do. finials	2	6 6	0 3	0 3	1	
Do. do.	2	1 0	0 8	0 8	1	
Do. do.	2	4 0	2 0	0 1¼	2	
Verandah gables—						
Barge boards	4	7 0	0 1	1 0	2	
Collar pieces	2	7 0	0 2	0 4	1	
Finials	2	6 0	0 3	0 3	1	
Planks	2	2 6	0 1¼	1 6	1	
Weather boards for jail—						
Brackets	4	3 6	0 2	0 2½		
Struts	4	3 0	0 2	0 2½	1	
Breastsummers	2	6 0	0 2	0 2½		
Rafters	8	4 6	0 1½	0 2	1	
Planks including overlap ...	12	6 3	0 2¾	0 9	4	
Boarding at ends of jail—						
Verandahs	2	8 0	0 1	3 0	4	
Battens	2	7 6	0 3	0 4	1	
Total, Cublic feet ...	...	...	...	...	...	557
Venetian and Panel Doors with Frames.						
Outer doors ... ... Square feet ...	8	4 0	...	8 0	256	
Panelled Doors with Frames.						
Inner doors	2	4 0	...	8 0	64	
Do.	1	4 0	...	7 6	30	
Total, Square feet ...	...	...	...	...	94	
Wrought-iron grated Doors with wooden Frames.						
For jail wards ... Square feet ...	4	4 0	...	6 6	104	
Venetian Windows with Frames.						
For police and retiring room ...	3	4 0	...	5 0	60	
For retiring room	1	4 0	...	4 0	16	
Total, Square feet ...	...	...	...	...	76	
Teak Frames with Iron Bars for Jail.						
Ventilators ... ... Square feet ...	6	4 0	...	2 0	48	
Wrought-iron Work in Trusses.						
⅞″ Dia. king rods	5	6 7½	= 33	×2·01	66	
⅞″ Hex. nuts and heads	15	...	...	×0·73	11	

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Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Wrought-iron Work in Trusses—cont.						
3″ Dia. $\frac{1}{8}$″ Thick washers	10					
$1\frac{1}{2}$″ × $\frac{3}{8}$″ Heel straps	10	...	...	× 0·32	3	
$1\frac{1}{2}$″ × $\frac{3}{8}$″ Bearing plate	10	2 3	= 23	1·87	43	
$\frac{5}{8}$″ Hexagon nuts for straps ...	20	0 $6\frac{1}{4}$	= 6	1·87	11	
Caps of $\frac{5}{8}$″ plate 6″ wide	5	...		·267	5	
		1 6	= 8	× 7·51	= 60	
Total, lb. ...	...					
Tiled Roofing.		...	...	...	...	199
Court and verandahs	...	40 6	...	43 0	1,742	
Clerks, record and police, including verandah	...	53 0				
Jail	...	50 0	...	43 0	2,279	
Do.	2	7 0	...	25 0	1,250	
			...	4 6	63	
Square feet ...	...					
		...	...	...	5,334	
Total, Squares ...	...					
Flooring with 8″ square Bricks.		...	...	...	...	53·34
Court and retiring room	...	27 0				
Clerks, records and police	...	50 0	...	15 0	1,155	
Verandahs	...	164 6	...	15 0		
Archways in police room	2	7 6	...	7 6	1,234	
Door pieces	9	4 0	...	1 6	23	
Do.	2		...	1 $1\frac{1}{2}$	9	
		...	...	...	2,475	
Square feet ...	...					
		...	...	...	...	24·75
Total, Squares ...	...					
Flooring with Asphalte $\frac{3}{4}$″ thick over a bed of Concrete.						
Jail wards	4	10 0				
Door pieces	4	4 0	...	15 0	600	
			...	1 6	24	
Square feet ...	...					
		...	...	...	624	
Total, Squares ...	...					
Plastering Interior, two coats.		...	...	...	...	6·24
Court	...	70 0				
Retiring room	...	44 0	...	12 9	893	
Clerks, records and police	...	190 0	...	10 $4\frac{1}{2}$	457	
Jail wards	4	50 0	...	12 9	4,973	
Gables	16	18 0	...	12 9		
Arch jambs	2	21 0	...	3 0	864	
Door jambs	9	20 0	...	1 6	63	
Do.	1	20 0	...	1 6	270	
Do.	1	19 0	...	1 $1\frac{1}{2}$	44	
Window jambs	4	17 0	...	1 $1\frac{1}{2}$		
Do.	3	18 0	...	1 6		
Ventilator jambs	1	12 0	...	1 6		
Do.	2	12 0	...	1 6	285	
	4	8 0	...	1 6		
Deduct—			...	1 6		
Archways	2					
Doorways	12	7 6				
Do.	2	4 0	...	6 6	98	
Do.	6	4 0	...	8 0	384	
		4 0	...	7 6	60	
			...	6 6	156	
					7,849	

Estimate Form.—Detail Measurements.—*cont.*

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Plastering Interior, two coats—cont.						
Deduct—						
Windows	3	4 0	...	5 0	60	
Do.	1	4 0	...	4 0	16	
Ventilators	6	4 0	...	2 0	48	
						822
Square feet ...	...	...	...	...	...	7,027
Total, Squares ...	...	...	...	...	...	70·27
Pointing Exterior.						
Court	...	45 3	...	12 9	577	
Retiring room	...	18 0	...	7 6	135	
Do. end walls	2	8 6	...	10 $4\frac{1}{2}$	176	
Clerks, records and police	2	52 3	...	12 9	2,744	
Jail	...	110 9	...	12 9		
Jail gables	2	18 0	...	3 0	108	
Basement all round	...	293 3	...	2 0	587	
						4,327
Deductions—						
Archways	2	7 6	...	6 6	98	
Doorways	8	4 0	...	8 0	256	
Do.	2	4 0	...	6 6	52	
Windows	3	4 0	...	5 0	60	
Do.	1	4 0	...	4 0	16	
Ventilators	6	4 0	...	2 0	48	
						530
Square feet ...	...	...	...	...	...	3,797
Total, Squares ...	...	...	...	...	...	3,797
					Per foot lb.	
Lead sheeting for roof valleys ...	...	112 0	1 6	168	× 5	840 lb.
Railing for dais	...	...	...	...	22	Lineal ft.
Finials over court	...	...	2 in number.		...	...
Painting with three coats of Carson's Paint.						
Venetian and panel doors	3	256 0	= ...	...	768	
Panelled doors	2	94 0	= ...	...	188	
Wrought-iron grated doors ...	2	104 0	= ...	...	208	
Venetian windows with frames ...	4	76 0	= ...	...	304	
Jail ventilators	2	48 0	= ...	...	96	
Roof timbers including weather boards, posts, &c.	...	...	...	...	6,336	
Square feet ...	...	...	...	...	7,900	...
Total, Squares ...	...	...	...	...	...	79
Extra labor in finishing barge boards and finials.						
Jail gables	2	...	...	...	...	...
Verandah gables	2	...	...	...	...	...
	4	in number.		...	...	...
Punkah 8 feet long for court room.	1	in number.		...	...	...

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount.	Total.
		RS.		RS.	RS.
9,479 C. ft.	Excavation for foundations (rate to include refilling of trenches)	...	1,000 C. ft.		
3,677 „	Concrete in do. do. ...	...	100 „		
2,482 „	Brickwork in foundation	...	100 „		
1,549 „	Do. in basement	...	100 „		
6,684 „	Do. in superstructure	...	100 „		
210 „	Archwork	...	100 „		
89 „	Cutstone work	...	100 „		
4,317 „	Filling in basement	...	C. ft.		
557 „	Teakwood wrought and put up	...	1,000 C. ft.		
256 Sq. ft.	Venetian and panel doors with frames complete	...	C. ft.		
94 „	Panelled doors	...	Sq. ft.		
104 „	Wrought-iron grated doors with teak frames complete	...	„		
76 „	Venetian windows with frames complete ...	...	„		
48 „	Teak frames with iron bars for jail ventilator	...	„		
199 lb.	Wrought-iron in trusses	...	„		
53·34 Sqrs.	Tiled roofing with flat and pan tiles including teak reepers	...	lb.		
24·75 „	Flooring with 8-inch square bricks	...	Sqr.		
6·24 „	Do. with asphalte ¾ inch thick over a bed of concrete	...	„		
70·27 „	Plastering interior, 2 coats	..	„		
37·97 „	Pointing exterior	...	„		
840 lb.	Lead sheeting for roof valleys	...	„		
22 L. ft.	Railing for dais	...	lb.		
2 in No.	Finials over court	...	L. ft.		
79 Sqrs.	Painting with 3 coats of Carson's paint ...	...	Each.		
4 in No.	Add extra for labor in finishing barge boards and finials	...	Sqr.		
1 „	Punkah 8 feet long	...	Each.		
...	Petty supervision	...	...		
...	Contingencies	...	...		

MADRAS,
17th May 1887.

(Signed) J. W. BRASSINGTON,
Offg. Consulting Architect to Government.

2239

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From J. W. BRASSINGTON, Esq., Officiating Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 17th May 1887, No. 224.

In continuation of my letter, No. 95, dated 25th April 1887, I have the honor to submit the revised standard plan with schedule of quantities for a deputy tahsildar's cutcherry.

No. 139 D, Public Works.

Forwarded, in continuation of No. 72 D., dated 6th May 1887, for the approval of Government in the Revenue Department.

(Signed) J. O. HASTED, Colonel, R.E.,
20th May 1887. Secy. to Govt., P.W.D.

Proceedings of the Madras Government, Revenue Department, dated 1st June 1887, No. 3106.

Read—endorsement of the Public Works Department, dated 20th May 1887, No. 139 D., on letter from the Consulting Architect to the Government of Madras, dated 17th May 1887, No. 224, submitting revised standard design and schedule of quantities for deputy tahsildars' cutcherries.

Order—dated 1st June 1887, No. 3106, Revenue.

Approved.

(True Extract.)

(Signed) J. F. PRICE,
Ag. Secretary to Govt.

ORDER—dated 15th June 1887, No. 1602 W., Public Works.

The revised type design, with schedule of quantities and descriptive specification, for second-class taluk offices, will be circulated to officers of the Public Works Department, for information and guidance, in continuation of G.O., No. 1495 W., dated 3rd June 1887.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
„ Revenue Department.

Exd. P. L. Pereira.

Spare Copies

21

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated June, 15th.

Recd. *Encl.*

G.O., 15th June 1887, No. 1602 W.

JUNE.

Second-class Taluk Offices

A revised type design for — circulated to officers of the Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

2237

Buildings and Roads.
Civil Works.

Read—the following papers:—

From the Consulting Architect to Government, dated 4th February 1887, No. 1327.

From J. W. BRASSINGTON, Esq., Officiating Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 12th March 1887, No. 1530.

I have the honor to submit a revised plan, with schedule of quantities, for a Sub-Judge or District Munsif's court.

2. This design will supersede the design circulated with G.O., No. 505 W., dated the 6th March 1885.

3. The revised design and quantities for Tahsildars' cutcherries will follow.

No. 970 C.

Forwarded for the approval of Government in the Judicial Department.

2. The design has already been approved in Committee by the Honorable Members and Secretaries to Government.

15th March 1887. (Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

Approved and transferred to the Public Works Department.

(By Order.)

Ootacamund,
12th April 1887. (Signed) H. A. STUART,
Under Secy., J.D.

Order—dated 21st April 1887, No. 1098 W., Public Works.

The revised type design, with schedule of quantities and descriptive specification, for a Sub-Judge's or District Munsif's court-house with tiled roof, will be circulated to officers of the Public Works Department, for information and guidance, in supersession of the design circulated with G.O., No. 505 W., dated 6th March 1885.

2. The Consulting Architect will, as early as practicable, submit a type design affording the same accommodation for a court-house with a terraced roof.

3. The submission of a revised type design for taluk offices is awaited.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

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

Exd. P. L. Pereira.
Spare Copies.

22

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated April, 21st.

Recd. *Encl.*

G.O., 21st April 1887, No. 1098 W.

APRIL.

Sub-Judge's or District Munsif's Court-house

A revised type design for a — with tiled roof, circulated to officers of the Public Works Department.

2239
7402

Do 22394

For orders whether the two letters from S.E. VI & C.A. may be printed & communicated to all S.Es for information.

[illegible]
9.8.87

Yes. I think they should be printed.

[illegible]
9.8.87

23

1P

OFFICE OF THE SUPERINTENDING ENGINEER,

6TH CIRCLE.

(Camp) ~~Mannargudi 30th July~~ 1889
D 31/-

Prin

No. 931/T.J.

From Lieutt. Col. A.C. Smith R.E.

The Superintending Engineer,

6th Circle.

2739

To

The Chief Engineer,

P.W.D.

Madras.

Sir,

I have the honor to bring to your notice that in the standard specifications and designs for Civil buildings such as Taluq Cutcherries Munsiff Court &c &c no mention is made of any outward slope being given to the floors of Verandahs

ENCLOSURES.

2 It would be as well were instructions given for a specified outward slope of say 1 in 40 for these verandahs, as now they are generally built level & sometimes an accidental inward slope occurs, this would be effectually prevented were an outward slope ordered.

3 In the military buildings standard designs lately received an-

24

out-

outward slope of 1 in 40 is properly shown.

I have the honor to be,

Sir,

Your most obedient Servant,

H Scott Limitt C.E.R.C.

Superintending Engineer 6th Circle

2237

25

Print / 2P

No. 3551 C d/ 6 Augt. 1889

Referred to the Consulting Architect for favour of remarks.

(By order)

W. R. Baddeley
Capt. R.E.
Dy: Chief Engineer P.W.D.

P. W. D. 6TH CIRCLE.

From

The Superintending Engineer,
6th Circle.

To

The Chief Engineer
P. W. D.

No. 9317

Dated 30 / 8 31 July 1889

Received 2-8-89

Enclosure. -

Standard designs for civil buildings:—

Pointing out that no mention is made for giving slopes to the floors of Verandahs & requests information

P. W. D.

Office of the Consulting Architect to Govt.
Chepak, Madras,
8th August 1889

No. 688

From

J. W. Brassington, Esq.,
Consulting Architect
to the Government of Madras,

To

The Chief Engineer
P. W. Department
Madras

Sir,

Enclosures. 1

In returning letter No 931 dated 30th July 1889 from the Superintending Engineer 6th Circle, received with your endorsement No 3551 C dated 6th August 1889, I have the honor to state that instructions for the slopes of Verandahs are given in Section XXIII of the book of Standard Specifications, and it will be observed that the concluding paragraph of the specification attached to the Schedules of quantities for Taluq Cutcherries and District Munsiffs Courts draws attention to the Standard Specifications.

2. The Scale to which the Standard plans are drawn, 8 feet to the inch, does not admit of the slope being shewn unless a detailed

26 26 drawing

drawing of the Verandah is also made, but this may apply as well to other details which are dealt with in the book of Specifications above referred to.

3. I take this opportunity of mentioning that the Specification drawn up by this office, which accompanies Standard plans is a general one, it not being practicable to form a detailed specification to suit all localities, which I presume, should be done by the officer submitting the plans and Estimates for Sanction.

I have the honor to be
Sir,
Your most obedient Servant,

[illegible]
Consulting Architect to Govt.

2839

27

Ft. Geo. 1495 W/ 3.6.87.
" " 1602 W/ 15.6.87
" " 1098 W/ 21.4.87
" " 2000 W/ 27.7.87

4P

B & R
Read Cons. 7151, & 7402

No 2239 W/ 16 August 1889

A The foregoing corres=
The foregoing corres=
=pondence will be communicated
pondence will be communicated
to Supdg. Engrs. for
to Supdg. Engrs.
information
for information –

10.8.89

12.8.89

Cir

16/8/89

29/8

Supdg. Engrs.
Supdg. Engrs.
Consg. Archt. to Govt.
Cons. Archt. to Govt.

O.S. 5/8. M. 15/8.

10/8.

P.W.D.
P.W.C. No. 7402

From

The Consulting Architect
to Government

To

The Chief Engineer
P.W.D.
Madras

No. 688

Dated 8 }
Despd. 8 } August 1889
Recd. 9 }

Enclosure 1

Subject:

Explanation regarding slopes for Verandahs in Taluq Cutcherries Munsiffs Courts &c.

Write order

5

2239

28

Govt. of 18 Madras.

PUBLIC WORKS.

Dates

Recd.

Encl.

G.O., 16 Augt 1889 No. 2239W

Standard designs

=

Correspondence relating to slopes for verandahs in [illegible] for civil buildings, Circd. to Supdg. Engrs. -

130/6

28

220/12

Cw/6 17