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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W. DEPARTMENT

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G.O. No.	505 W	Press.
B.P. No.		Mis.
Dated	6.3.1885	~~1887~~

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Lieut.-Colonel J. L. L. MORANT, R.E., Officiating Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepak, 2nd February 1885, No. 1597.

With reference to Public Works G.O. No. 1837 W., dated 29th July 1884, and subsequent demi-official correspondence in office notes, I have the honor to submit a type design, in eleven sheets, and three schedules of quantities for sub-judge's or district munsif's court with a tiled roof.

2. The plan is almost identical with that sanctioned in Public Works G.O., No. 2854 W., dated 15th November 1884. A slight addition to the verandah fronting the court-house has been made to screen the court more completely from the sun, and to afford more shelter for suitors. The whole design is 25 or 30 per cent. larger in area than the design sanctioned with Public Works G.O., No. 2294 W., dated 6th September 1879.

3. Pains have been taken to secure ample ventilation by means of clerestory lights protected by a continuously projecting roof. Please refer to sheets 3, 4 and 9.

4. A descriptive specification is appended. Great latitude is intended to be given to district officers in selecting the materials of which the court will be built.

5. This design will, if approved, supersede the one sanctioned in Public Works G.O., dated 6th September 1879, No. 2294 W.

6. At Madras rates and if built in Madras the design now submitted would cost Rs. 28,000. Rs. 6,000 could be saved where the foundations can be made less deep, as they well might be in good soil, and by omitting all cutstone and jamb mouldings.

ENCLOSURE.

DESCRIPTIVE SPECIFICATION.

General.—The whole of the building to be built of selected materials, such as are generally used in the district and have been found satisfactory.

Concrete to be of broken stone or hard vitrified brick in mortar laid in the usual way.

Brickwork.—Wherever good bricks are obtainable, the brickwork to be shown up and pointed.

Moulded bricks to be used for jamb and other mouldings. Failing these, plaster might be used.

The smaller outside verandah pillars to be of stone or of teakwood.

Stonework to be placed where shown in drawings if procurable at moderate rates, otherwise good moulded brick or first-rate plaster to be substituted for the stone.

The roofs are to be covered with well burnt flat and pan tiles of good quality. If the quality of these tiles is first-rate the usual unsightly "chunam borders" might be omitted.

The roof ridges are to be covered with simple ornamental ridge tiles ending with terracotta terminals.
The roof valleys to be cased with lead of specified thickness laid on smooth boards of sufficient scantling.
All trusses to bear on stone bed plates—as also the wooden struts of projecting roofs. Failing stone, wood should be used.
Floors to be of stone, or tiles, or plaster, or brick on edge laid in mortar, or in cement, according to pleasure.
Interiors to be fine chunam plastered with shell lime, or, if otherwise, to be whitewashed.
The terracotta work for the latrines to be procured either from the School of Arts or from the Government Brickfield, Madras, under charge of the Consulting Architect to Government.
Perforated damp proof course to be procured from England through the Secretary of State or indent in the usual way.

CHEPARK,
2nd February 1885.

(Signed) J. L. L. MORANT, Lieut.-Col., R.E.,
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.		
MAIN BUILDING.						
Excavation for foundation.						
Main-room all round ...	1	131 0	4 9	5 6	3,422	
Side-rooms do. ...	2	121 6	4 9	5 6	6,318	
Cross walls in do. ...	3	18 3	4 3	5 6	929	
Rear-room large ...	1	55 3	4 9	5 6	1,443	
Rooms in rear verandah ...	1	17 3	4 9	5 6	451	
Rear verandah, large ...	1	14 0	4 3	5 6	654	
Do. small ...	1	26 0	4 3	5 6	608	
Front verandahs at sides ...	1	54 3	4 3	5 6	1,268	
Front and end do. ...	2	21 9	4 3	5 6	578	
Piers ...	1	47 6	4 3	5 6	2,929	
Total, excavation, cubic feet ...	17	114 0	5 0	5 6	3,185	
					22,341	22,341
Concrete.						
Main-room all round ...	1	131 0	4 9	1 6	933	
Side-rooms do. ...	2	124 0	4 9	1 6	1,767	
Cross walls in do. ...	3	18 0	4 3	1 6	287	
Rear-room, large ...	1	57 7 1/2	4 9	1 6	3,284	
Rooms in rear verandah ...	1	19 0	4 9	1 6	135	
Rear verandah, large ...	1	15 7	4 3	1 6	99	
Do. small ...	1	25 6	4 3	1 6	162	
Front verandahs, at sides ...	1	55 11	4 9	1 6	398	
Front and end verandah all round ...	2	26 0	4 9	1 6	185	
Piers ...	1	42 5	4 9	1 6	604	
Front steps ...	17	114 0	5 0	1 6	983	
Rear and do. ...	2	2 9	5 0	1 6	350	
Rear steps ...	1	6 6	2 0	0 9	24	
Piers ...	4	20 6	2 0	0 9	81	
Total, concrete, cubic feet ...	1	3 6	4 9	0 9	92	
					9,346	9,346

Estimate form.—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
<i>Brickwork in foundation footings.</i>						
Main-room all round ...	1	131 0	2 9	1 6	540	
Side-rooms do. ...	2	124 0	2 9	1 6	1,023	
Cross walls of do. ...	3	17 0	2 3	1 6	172	
Rear-room, large ...	1	57 7½	2 9	1 6	238	
Rooms in rear verandah ...	1	21 0	2 9	1 6	86	
	1	177 0	2 3	1 6	597	
	1	27 6	2 3	1 6	93	
Rear verandah, large ...	1	57 11	2 3	1 6	195	
Do. small ...	1	28 0	2 3	1 6	94	
Front verandahs at sides ...	2	44 5	2 9	1 6	366	
Front and end verandah all round ...	1	116 0	2 9	1 6	478	
Piers ...	17	3 9	2 9	1 6	262	
						4,145
<i>Foundation and basement</i>						
Main-room all round ...	1	131 0	1 9	5 6	1,261	
Side-rooms all round ...	2	124 0	1 9	5 6	2,387	
Cross walls of do. ...	3	18 0	1 3	5 6	371	
Rear room, large ...	1	57 7½	1 9	5 6	555	
Rooms in rear verandah ...	1	22 0	1 9	5 6	212	
	1	18 7	1 3	5 6	128	
	1	28 6	1 3	5 6	196	
Rear verandah, large ...	1	60 2	2 6	5 6	827	
Do. small ...	1	29 0	2 6	5 6	399	
Front verandahs at sides ...	2	46 8	2 6	5 6	1,283	
Front and end verandah all round ...	1	115 3	3 0	5 6	1,901	
Piers ...	17	2 9	1 10	5 6	471	
Front steps ...	2	6 6	2 3	2 0	58	
Front and rear steps ...	1	20 6	2 0	0 9	31	
Rear do. ...	4	6 6	5 0	1 6	195	
	1	3 6	5 0	1 6	26	
						10,301
Total foundation, and basement, cubic feet ..						14,446
<i>Brickwork in superstructure.</i>						
Main-room all round ...	1	131 0	1 9	24 0	5,562	
Side-rooms do. ...	2	124 0	1 9	18 6	8,029	
Cross walls of do. ...	3	18 0	1 3	18 6	1,249	
Gables to do. ...	3	21 6	1 3	4 0	322	
Rear-room large ...	1	57 7½	1 9	15 0	1,513	
Do. small ...	1	22 0	1 9	20 6	789	
Gable to do. ...	1	13 7½	1 9	2 0	48	
Gables in verandah ...	1	18 7	1 3	7 8	178	
	1	25 6	1 3	7 8	244	
	3	9 11	1 3	3 2	121	
Front and rear verandah piers.	12	2 9	1 3	7 8	316	
Do. corner piers.	3	4 3	1 3	7 8	122	
Rear verandah do. ...	2	2 9	1 8	7 8	70	
	2	4 0	1 3	7 8	77	
	1	1 3	1 3	7 8	12	
Pilasters ...	21	1 1½	0 3	5 3	31	
Base for piers ...	2	4 9	3 0	1 6	43	
	5	3 0	3 0	1 6	67	

Estimate form.—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
Brickwork in superstructure—cont.						
Base for piers ...	2	6 0	3 0	1 6	54	
	2	5 6	3 0	1 6	49	
	2	4 6	2 6	1 0	22	
	5	2 6	2 6	1 0	31	
	2	5 6	2 6	1 0	27	
	2	5 0	2 6	1 0	25	
Base of columns ...	17	2 0	2 0	1 6	102	
	17	2 0	1 6	1 0	51	
Base for piers ...	17	0 10	0 3	2 6	9	
	2	2 0	2 0	8 7	146	
	2	2 0	2 0	8 7	171	
	2	5 0	2 0	8 7	171	
	2	4 6	2 0	8 7	154	
						19,746
Deductions.						
	15	4 0	1 9	11 0	1,155	
	3	4 0	1 3	11 0	165	
	8	5 0	1 9	12 6	875	
Doors ...	1	3 10	1 9	7 5	50	
	1	3 6	1 3	7 0	30	
	1	3 0	1 9	7 0	37	
	2	3 0	1 9	11 0	115	
	4	3 0	1 9	8 6	178	
	1	3 0	1 9	13 0	68	
Windows ...	3	3 0	1 9	7 6	118	
	3	3 0	1 9	5 0	79	
	2	3 0	1 9	5 0	37	
	2	3 0	1 9	1 6	65	
	4	6 3	1 9	1 6	50	
Ventilators ...	4	4 9	1 9	1 6	205	
	24	3 3	1 9	1 6		
Archwork deduction.						
	15	5 6	1 9	1 6	216	
	3	5 6	1 3	1 3	26	
	8	6 6	1 9	1 6	136	
Doors ...	1	5 3	1 9	1 6	14	
	1	5 0	1 3	1 3	8	
	1	4 6	1 9	1 6	12	
	2	4 6	1 9	1 6	23	
Windows ...	11	4 6	1 9	1 6	130	
	2	4 6	1 3	1 6	17	
Deduction of stone corbels, &c., only inside of masonry.						
Stone corbels all round the base.	1	431 6	0 9	0 9	243	
	1	431 6	0 9	0 3	81	
	1	431 6	0 9	0 7	180	
Do. at piers ...	17	1 3	0 3	0 6	3	
Templates under truss	17	1 3	0 9	0 6	8	
Stone corbels over verandah roof	18	1 9	1 3	1 0	39	
	1	248 0	0 9	0 6	93	
						4,465
Total, brickwork in superstructure, cubic feet ...						15,280

Estimate form.—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
Cutstone corbels actual size.						
Cutstone corbels for base ...	1	431 6	1 9	0 9	568	
	1	431 6	1 0	0 3	108	
	1	431 6	1 3	0 7	315	
Do. for piers ...	17	3 0	0 3	0 6	6	
	17	2 3	0 9	0 6	14	
Templates for truss ...	18	2 9	1 3	1 0	62	
Corbels over verandah	1	248 0	1 3	0 6	155	
Total, stone corbels, cubic feet.					1,226	1,226
Granite columns as per plan ...	17	7 0	0 8	Diameter.		17
Teak truss including iron fittings complete for court-room as per details ...	3	25 6	Running feet.			3
Teak truss including iron fittings complete for side-room and front verandah ...	7	21 6	Running feet.			7
Teakwood roof for court-room.						
Ridge ...	1	20 0	0 4	1 3	8 4 0	
Hip rafters ...	4	24 0	0 3	0 8	16 0 0	
Common do. ...	30	19 0	0 3	0 4	47 6 0	
Jack do. ...	56	9 6	0 3	0 4	44 4 0	
	2	43 0	0 5	0 7	20 10 10	
	2	31 0	0 5	0 7	15 0 10	
Purlins ...	2	24 0	0 5	0 7	11 8 0	
	2	12 0	0 5	0 7	5 10 0	
Cleats ...	6	0 9	0 4	0 7	0 10 6	
Roofing side-rooms.						
Ridge beam ...	2	51 0	0 3	1 1	33 5 7	
Hip rafters ...	4	22 0	0 3	0 7	13 9 0	
Common do. ...	134	16 6	0 4	0 6	368 6 0	
Jack do. ...	56	8 3	0 4	0 6	77 0 0	
Purlins ...	2	74 0	0 4	0 6	27 9 0	
	2	62 0	0 4	0 6	23 3 6	
Cleats ...	6	0 9	0 4	0 6	0 9 0	
Roofing property-room.						
Rafters ...	25	11 6	0 3	0 4	23 11 6	
Collars ...	12	8 0	0 2	0 4	5 4 0	
Hip rafters ...	2	16 6	0 3	0 5	3 9 4	
Jack do. ...	28	5 9	0 3	0 4	13 5 0	
Roofing record-room.						
Rafters ...	16	11 6	0 3	0 4	15 4 0	
Collars ...	8	8 0	0 2	0 4	3 6 8	
Wall plate ...	2	10 0	0 4	0 2	1 1 4	
Roofing rear verandah.						
Breastsummer ...	1	62 0	0 4	0 6	10 4 0	
	1	31 0	0 4	0 6	5 2 0	
	1	65 0	0 4	0 5	9 0 4	
Purlin ...	1	52 0	0 4	0 5	7 2 8	
Rafters ...	68	15 6	0 3	0 5	109 9 6	

Estimate form.—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
<i>Roofing side verandah.</i>						
Breastsummer	2	53 0	0 4	0 6	17 8 0	
Purlin	2	50 0	0 4	0 5	13 10 8	
Rafters	46	15 6	0 3	0 5	74 3 3	
<i>Front and end verandah.</i>						
Ridge beam	1	12 0	0 3	0 5	2 3 0	
Hip rafters	2	22 6	0 3	0 8	7 6 0	
Jack rafters	6	27 6	0 3	0 9	30 11 3	
Common do.	32	9 0	0 3	0 5	30 0 0	
Breastsummer over piers	96	9 0	0 3	0 6	108 0 0	
Do. columns	12	17 9	0 3	0 6	26 7 6	
Doublings for court-house	1	110 0	0 6	0 7½	34 4 6	
Braces for do.	1	113 0	0 6	0 7½	35 3 3	
Doublings for side-room	2x 86	3 9	0 3	0 1	13 5 3	
Braces do.	86	3 0	0 3	0 4	21 6 0	
Property-room do.	2x 190	3 9	0 3	0 1	29 8 3	
Verandah hip rafters at ends	190	3 0	0 3	0 4	47 6 0	
Do. rafters at sides	2x 28	3 9	0 3	0 1	4 4 6	
Do. rafters at sides	28	3 0	0 3	0 4	7 0 0	
Do. rafters at sides	4	6 0	0 3	0 5	2 6 0	
Do. rafters at sides	32	4 0	0 2	0 3	5 4 0	
Total, teakwood, cubic feet					1,435 2 1	or 1,436 c.
Teak panelled venetian door with fixed glazed shutter on top including frames and fittings complete as per plan.	18	4 0	...	11 0	792	
	8	5 0	...	12 6	500	
	1	3 6	...	7 0	24½	
	1	3 0	...	7 0	21	
	2	3 0	...	11 0	66	
Total					1,403½	or 1,404
Teak ornamental panelled door with iron barred shutter inside together with teak frames as per plan for property-room	1	3 10	...	7 5	29	29
Teak venetian windows with swinging glazed shutter on top also glazed shutter inside together with frames and fittings complete as per plan.	4	3 0	...	8 6	102	102
Teak venetian window with glass panes including frames, and iron bars and fittings complete as per plan	1	3 0	...	13 0	39	39
Teak batten window covered with sheet lead with frames, iron bars and fittings complete as per plan	3	3 0	...	7 6	67½	or 68

Estimate form.—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
Teak venetian window with frames and fittings complete as per plan ...	5	3 0	...	5 0	75	75
Glazed ventilators with frames, &c., complete as per plan.	4	6 3	...	1 6	37½	
	4	4 9	...	1 6	28½	
	24	3 3	...	1 6	117	
					183	183
Teak sun-shades, as detailed in the drawing, to be fixed over windows ...	4	in number		...	4	4
Forming teak ornamental barge board including pinnacles	9	do.		...	9	9
Teak ornamental boarding at end of verandah ...	...	...	...	...	...	3
Teak platform with turned rails and steps as per plan complete	1	10 0	8 0	...	1	1
<i>Tile roofing.</i>						
Court-room ...	1	57 0	22 0	...	1,254	
Side-rooms ...	2	62 0	34 0	...	4,216	
Property-room ..	1	28 6	20 0	...	570	
Record-room ..	1	15 0	21 0	...	360	
Rear verandahs ...	2	53 0	15 6	...	1,643	
Side do. ...	2	40 6	15 6	...	1,255	
Front and side verandah	1	62 0	17 6	...	1,085	
Portion of front do.	1	35 0	6 0	...	210	
Total square feet ...		...	...	...	10,593	
or squares ...		...	...	...	...	106
<i>Plastering inside.</i>						
Court-room ...	1	124 0	...	24 0	2,976	
Gumastahs' room ...	1	96 0	...	18 6	1,776	
Head clerk's room ...	1	76 0	...	18 6	1,406	
Judge's retiring-room ..	1	65 6	...	18 6	1,212	
Nazarat and vakils' rooms	2	70 0	...	18 6	2,590	
Gables for side-rooms ...	3	21 6	...	8 0	516	
Property-room ...	1	64 3	...	15 0	964	
Record-room ...	1	40 6	...	20 6	830	
Gables to do. ...	1	13 7½	...	4 0	54	
						12,324
<i>Plastering outside.</i>						
Front and rear verandah piers.	12	8 0	...	7 8	736	
Front and corner do. ...	3	9 6	...	7 8	219	
	2	8 0	...	7 8	122	
	2	6 6	...	7 8	99	
Rear verandah piers ...	1	4 0	...	7 8	31	
Pilasters ...	21	1 0	...	5 3	110	

Estimate form.—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.		
		Length.	Breadth.	Depth.				
<i>Plastering outside—cont.</i>								
Base of front and side verandah piers.	2	7 9	...	1 6	23	10,600		
	5	9 0	...	1 6	67			
	2	9 0	...	1 6	27			
	2	14 6	...	1 6	44			
	2	7 0	...	1 0	14			
	5	7 6	...	1 0	38			
	2	7 0	...	1 6	14			
	2	13 0	...	1 0	26			
Base of columns	17	6 0	...	1 6	153			
	17	5 3	...	1 0	89			
	17	0 6	...	2 6	21			
Basement all round	1	431 6	...	3 0	1,295			
Side-rooms	2	17 6	...	18 9	4,781			
Court-room	1	66 0	...	24 0	1,584			
Record-room	1	24 0	...	20 6	492			
Property-room	1	41 0	...	15 0	615			
<i>Deduct plastering.</i>								
Doors	18	4 0	...	11 0	792	1,896		
	8	5 0	...	12 6	500			
	1	3 6	...	7 0	24			
	1	3 0	...	7 0	21			
	2	3 0	...	11 0	66			
Windows	1	3 10	...	7 5	28		21,028	
	4	3 0	...	8 6	28			
	1	3 0	...	13 0	102			
	3	3 0	...	7 6	39			
	5	3 0	...	5 0	67			
Ventilators	4	6 3	...	1 6	75			44
	4	4 9	...	1 6	37			
	24	3 3	...	1 6	26			
					117			
Total, plastering squares								
Forming moulding work in chunam around doors and windows, as per plan						21,028		
Flooring.						44		
Court-room	1	40 0	22 0	...	880	6,577		
Record-room	1	10 1½	10 1½	...	102			
Property-room	1	22 0	22 1½	...	223			
Rear verandah	1	50 6	10 0	...	513			
Rear-rooms	1	29 0	10 2	...	295			
Side-rooms	2	8 8	8 8	...	150			
Side verandah	1	50 0	18 0	...	900			
Side verandah	1	48 9	18 0	...	878			
Front verandahs	2	36 6	10 0	...	730			
Front verandahs	1	100 0	14 6	...	1,450			
Steps	1	29 6	10 6	...	310			
	4	6 6	5 0	...	130			
	1	3 6	4 6	...	16			

Estimate form.—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENT IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
<i>Deduct flooring.</i>						
Front and rear verandah piers.	12	2 9	1 3	...	41	
Do. verandah corners do.	3	4 3	1 3	...	16	
	2	2 9	1 8	...	9	
	2	4 0	1 3	...	10	
Rear verandah piers	1	1 3	1 3	...	2	
Pilasters ...	21	1 1½	0 3	...	6	
	2	4 9	3 0	...	29	
Base for piers ...	2	6 6	3 0	...	36	
						149
Total, flooring ...						6,428
<i>Wood oil to roof.</i>						
Ridge beam ...	1	20 0	...	2 10	57	
Hip rafters ...	4	21 0	...	1 7	133	
Common rafters ...	30	19 0	...	0 11	523	
Jack do. ...	56	9 6	...	0 11	488	
	2	43 0	...	1 7	136	
	2	31 0	...	1 7	98	
Purlins ...	2	24 0	...	1 7	76	
	2	12 0	...	1 7	38	
	6	0 9	...	1 2	5	
Cleats ...	2	51 0	...	2 6	255	
Ridge beam ...	4	19 0	...	1 6	114	
Hip rafter ...	134	16 6	...	1 4	2,948	
Common rafter ...	56	8 3	...	1 4	616	
Jack rafter ...	2	74 0	...	1 4	197	
Purlins ...	2	62 0	...	1 4	165	
	6	0 9	...	1 0	5	
Cleats ...	25	11 0	...	0 11	252	
Rafters ...	12	8 0	...	0 10	80	
Collar ...	2	15 0	...	1 2	35	
Hip rafter ...	28	5 9	...	0 11	148	
Jack rafter ...	16	11 0	...	0 11	161	
Rafters ...	8	8 0	...	0 10	53	
Collars ...	1	62 0	...	1 4	83	
Breastsummer ...	1	30 0	...	1 4	40	
	1	65 0	...	1 2	76	
Purlins ...	1	52 0	...	1 2	61	
	68	15 0	...	1 1	1,105	
Rafters ...	2	50 0	...	1 4	133	
Breastsummer ...	2	50 0	...	1 2	117	
Purlins ...	46	15 0	...	1 1	748	
Rafters ...	1	12 0	...	1 9	21	
Ridge beam ...	2	22 0	...	1 7	70	
Hip rafter ...	6	27 0	...	1 9	283	
	32	9 0	...	1 1	312	
Jack rafters ...	96	9 0	...	1 3	1,080	
	12	17 0	...	1 3	255	
Common rafters ...	1	110 0	...	1 9	193	
Breastsummer over piers	1	113 0	...	1 9	198	
Do. columns	2×86	3 6	...	0 7	376	
Doublings for court-house	86	2 6	...	0 11	197	
Braces for do.	2×190	3 9	...	0 7	831	
Doublings for side-rooms	190	2 6	...	0 11	435	
Braces do.	2×25	3 9	...	0 7	123	
Property room	28	2 6	...	0 11	64	
Braces for do.	4	6 0	...	1 1	26	
Verandah hip rafters at ends...						

Estimate form.—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
Verandah hip rafters at ends ...	32	4 0	...	0 8	85	215
Add for teak reepers ...	...	...	...	...	8,000	
Total, wood oil, sq. feet ...	...	...	...	...	21,495	
or squares ...	...	...	...	...	...	
Carson's paint.	...	...	...	...	2,376	
Panelled venetian door ...	3 × 18	4 0	...	11 0	1,500	
...	3 × 8	5 0	...	12 0	74	
...	3 × 1	3 6	...	7 0	63	
Panelled venetian door ...	3 × 1	3 0	...	7 0	198	
...	3 × 2	3 0	...	11 0	85	
Iron door ...	3 × 1	3 10	...	7 5	408	
...	4 × 4	3 0	...	8 6	117	
Venetian window ...	3 × 1	3 0	...	13 0	225	54.00
...	3 × 5	3 0	...	5 0	135	
...	2 × 3	3 0	...	7 6	374	
Batten window ...	4	6 3	...	1 6	281	
...	4	4 9	...	1 6	117	
...	24	3 3	...	1 6	...	
Total, Carson's paint ...	...	...	...	...	5,364	
or squares ...	...	...	...	...	...	

Estimate form.—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
<i>Main Building.</i>					
22,341 c. ft.	Excavating foundation and filling in ...	...	1,000 c. ft.	...	...
9,346 "	Concrete in chunam ...	...	100 "	...	...
14,446 "	Brickwork in foundation and basement with mortar ...	...	Do.	...	...
15,280 "	Brickwork in superstructure with mortar ...	...	Do.	...	...
582 "	Archwork in chunam ...	...	Do.	...	...
1,226 "	Cut-stone corbels ...	...	C. ft.	...	...
17 "	Granite columns complete ...	...	Each.	...	...
3 "	Teak truss of 25½ feet in length including iron fittings and wood oiling complete for court-room as per plan ...	...	Do.	...	...
7 "	Teak truss of 21½ feet in length including iron fittings and wood oiling complete for side-rooms of court verandah complete ...	...	Do.	...	...
1,436 sq. ft.	Teakwood wrought and put up ...	...	C. ft.	...	...
1,404 "	Teak panelled venetian door with fixed glazed shutters on top including frames and fittings complete as per plan ...	...	Sq. ft.	...	...
29 "	Teak ornamental panelled door with iron barred shutter inside together with teak frames as per detailed plan for property-room ...	...	Do.	...	...
102 "	Teakwood venetian windows with swinging glazed shutters and top also glazed shutters inside together with frames and fittings complete as per detailed plan ...	...	Do.	...	...
39 "	Teak venetian window with glass panes including frames and iron bars and fittings complete as per detailed plan ...	...	Do.	...	...

Estimate form.—Abstract—cont.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
<i>Main Building—cont.</i>					
68 sq. ft.	Teak batten window covered with sheet lead together with frames, iron bars and fittings complete as per detailed plan ...	...	Square.	...	...
75 "	Teak venetian window with frames and fittings complete as per detailed plan ...	...	Do.	...	...
183 "	Glazed ventilator with frames complete as per detailed plan ...	...	Do.	...	...
4 "	Teakwood sun shades, as detailed in the drawing, to be fixed on window ...	...	Each.	...	...
9 "	Forming teak ornamental barge boards, gables with pinnacle complete as per detailed plan ...	...	Do.	...	...
3 "	Teak ornamental boarding at ends of verandah ...	...	Do.	...	...
1 "	Teak platform with turned rails and steps on either side as per plan complete for court-room ...	...	Do.	...	...
10,600 "	Covering the roof with teak reepers, flat and pan tiles including chunam borders complete ...	...	Square. R. ft.	...	...
200 r. ft.	Ridge tiling with lapping complete ...	...	Do.	...	...
200 "	Laying zinc sheets to the valley of roof and flashing including lapping complete.	...	Do.	...	...
21,000 sq. ft.	Plastering the walls with two coats chunam ...	...	Squares.	...	...
44 "	Forming moulding work in chunam as per plan around doors and windows ...	...	Each.	...	...
6,400 "	Flooring with square tiles in chunam with a levelling course of wall bricks underneath ...	...	Square.	...	...
21,500 "	Wood oil three coats for scantlings of roofing only ...	...	Do.	...	...
5,400 sq. ft.	Carson's paint three coats to doors, windows and ventilators, &c. ...	...	Square. R. ft.	...	...
156 r. ft.	Punkah complete ...	...	...	...	...
...	Petty supervision at 2½ per cent. do. ...	...	...	...	...
...	Contingencies ...	...	...	...	...
Grand total of estimate ...		...	...	...	...

(Signed) J. L. L. MORANT,
Offg. Consulting Architect to Government.
MADRAS,
2nd February 1885.

Estimate form.—Detail measurements.

		MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
Detail of work.	Number.	Length.	Breadth.	Depth.		
MANTAPAM.						
Excavation.						
	1	116 0	5 0	4 6	2,610	
All round ...	2	6 0	6 0	4 6	324	
Columns inside ...	4	5 0	5 6	4 6	495	
Outer columns ...	2	14 0	2 0	1 6	84	
Steps ...	2	10 0	2 0	1 6	60	
						3,573
Total, excavation, cubic feet.	...	...	...	...	...	

Estimate form—Detail measurements—cont.

Detail of Work.	Number.	MEASUREMENTS IN FEET.			Area or Contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
MANTAPAM—cont.						
Concrete.						
All round	1	116 0	5 0	1 6	870	
Columns inside	2	6 0	6 0	1 6	108	
Outer columns	4	5 0	5 6	1 6	165	
Step	2	10 0	2 0	1 0	40	
	2	13 9	2 0	1	55	
Total, concrete, cubic feet.	...	...	...	...	...	1,238
Foundation in footings.						
All round	1	116 0	3 0	1 6	522	
Columns inside	2	4 0	4 0	1 6	48	
Do. outside	4	3 0	3 6	1 6	63	
Foundation and basement.						
All round	1	116 0	2 3	3 0	783	
Columns inside	2	3 0	3 0	3 0	54	
Do. outside	4	2 3	2 9	3 0	74	
Steps	2	12 9	2 0	1 3	64	
	2	9 0	2 0	1 3	45	
Total, foundation in footings and basement, cubic feet.	...	...	...	...	...	1,653
Brickwork in superstructure.						
Piers	12	2 0	2 0	9 6	456	
Base of columns	8	2 0	2 6	1 6	60	
	4	2 3	1 6	1 0	13	
Plinth for columns	8	0 10	0 3	2 6	4	
Parapet between piers...	4	8 6	1 0	3 0	102	
	4	3 0	1 0	3 0	106	
Total, brickwork in superstructure, cubic feet.	...	...	...	...	...	671
Cut-stone templates under truss	4	3 0	1 3	1 0	15	C. ft.
Do. columns	8	6 6	...	...	...	8 No.
	2	12 0	...	...	...	2 No.
	2	22 0	...	...	...	2 No.
Teakwood truss	1	13 0	...	...	...	1 No.
Teakwood roofing.						
Ridge beam	1	8 6	0 3	1 0	2 1 6	
	1	26 0	0 3	1 0	6 6 0	
Purlin	1	116 0	0 4	0 6	21 9 0	
	1	90 0	0 4	0 6	16 10 6	
Hip rafters	4	2 3	0 3	0 7	12 4 9	
Valley do.	4	13 0	0 3	0 7	7 7 0	
Jack do.	20	17 0	0 3	0 4	45 0 0	
	8 x ...	10	3 6	0 3	56 8 0	
Total, teakwood roofing ...	...	...	...	...	168 10 9	or 169 c.ft.

Estimate form—Detail measurements—cont.

Estimate form—Detail measurements.						
Detail of Work	Number.	MEASUREMENTS IN FEET.			Area or Contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
					1,645	or 16-50
MANTAPAM—cont.						
Tiling.						
Mantapam	1	47 0	35 0	...	...	26
Ridging	1	26 0	R. ft.	...	...	
Forming ridge barge boards ...	...	2 in number.			...	60
Forming barge board gables ...	...	2 do.			...	
Laying zinc sheet to the valley of the roof	1	60 0	R. ft.	...	...	
Plastering.						
Basement	1	12 6	...	1 6	189	
Piers	12	8 0	...	9 6	912	
Side of do.	16	2 6	...	1 0	69	
	4	8 6	...	7 0	238	
Parapet between piers...	4	3 0	...	7 0	84	
Total, plastering, square feet ...	...	...	...	...	1,483	or 15 sqrs.
Flooring.						
Mantapam	1	36 0	18 0	...	648	
Entrances	2	8 0	2 3	...	36	
	2	10 0	2 3	...	45	
Between piers	8	8 6	0 9	...	51	
	8	3 0	0 9	...	18	
Steps	2	13 6	2 0	...	54	
	2	10 0	2 0	...	40	
Total, flooring, square feet ...	...	...	...	...	892	9
Squares	...	...	...	...	...	
Wood-oiling.						
Breastsummer	1	140 0	1 3	...	175	
	1	26 0	2 3	...	58	
Ridge beam	1	8 6	1 3	...	11	
	1	96 0	1 6	...	144	
Purlin	1	84 0	1 6	...	126	
	1	21 0	1 6	...	126	
Hip rafters	4	13 0	1 6	...	78	
Valley rafters	4	17 0	1 0	...	340	
Common do.	20	8 6	1 0	...	680	
Jack do.	8 x 10	...	...	...	1,200	
Add for teak reapers ...	...	...	...	...	2,938	
Total, wood-oil, square feet ...	...	...	...	...	...	29-50
Squares	...	...	...	...	...	

Estimate form—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount.	Total.
		RS.		RS.	RS.
MANTAPAM.					
3,573 c. ft.	Excavating foundation and filling in ...	...	1,000 c. ft.	...	...
1,238 "	Concrete in chunam ...	...	100 "	...	...
1,653 "	Brickwork in foundation and basement with mortar ...	...	Do. ...	...	...
671 "	Brickwork in superstructure with mortar ...	...	Do. ...	...	...

Estimate form—Abstract—cont.

Quantity.	Description of Work.	Rate.	Per	Amount.	Total.
	MANTAPAM—cont.	RS.		RS.	RS.
15 c. ft.	Cut-stone templates under truss ...	...	C. ft.	...	...
8	Do. small columns as per plan ...	...	Each	...	...
2	Do. large do. ...	...	Do.	...	...
2	Teakwood, large truss, of 22 feet in length with iron fittings complete as per plan ...	...	Do.	...	...
1	Teakwood, small, with iron fittings complete as per plan ...	...	Do.	...	...
169 c. ft.	Teakwood, wrought and put up ...	...	C. ft.	...	...
16-50	Covering the roof with teak reapers, flat and pan tiles and chunam borders complete...	...	Square	...	...
26 r. ft.	Ridge tiles ...	...	R. ft.	...	...
2	Forming ridge barge board gables as per plan ...	...	Each	...	...
2	Do. entrance do. do. ...	...	Do.	...	...
60 r. ft.	Laying zinc sheets to the valley of the roof and flashing ...	...	R. ft.	...	...
1,500 sqr. ft.	Plastering with two coats of chunam ...	...	Square	...	...
900 "	Flooring with square tiles in chunam with a levelling course of wall bricks underneath ...	...	Do.	...	...
2,950 "	Wood-oil with three coats to the scantlings of the roof, &c. ...	...	Do.	...	...
...	Petty supervision at 2½ per cent. ...	...	...	...	...
...	Contingencies at 2½ per cent. ...	...	...	...	...
	Grand total of estimate	...	...	...	...

MADRAS,
2nd February 1885.(Signed) J. L. L. MORANT, Lieut.-Col., R.E.,
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.		
LATRINE.						
<i>Excavation for foundation.</i>						
Pillars	10	4 6	4 6	4 6	911 3	
Front and rear walls between pillars	6	3 4	3 9	4 6	337 6	
End walls of do.	4	2 3	3 9	4 6	161 11	
Partition wall between passage and men	1	11 8	3 6	4 6	183 9	
Partition wall between passage and women	1	9 0	3 6	4 6	141 9	
Partition wall for women	1	3 6	3 6	4 6	55 2	
Screen walls for men and women	2	4 4	3 6	4 6	136 6	
Screen walls for passage	1	2 11	3 6	4 6	46 0	
Seats including partitions for men	1	11 8	2 6	4 6	131 3	
Seats including partitions for women	1	2 8	2 6	4 6	30 0	
Cistern	1	4 6	3 3	3 0	43 11	
Earth-bin	1	17 11	area	1 0	17 11	
Total, cubic feet of excavating foundation ..		...	...	...	...	2,187

Estimate form—Detail measurements—cont.

Detail of Work.	Number.	MEASUREMENTS IN FEET.			Area or Contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
LATRINE—cont.						
Concrete.						
Pillars	10	4 6	4 6	1 6	303 9	
Front and rear walls between pillars	6	3 4	3 9	1 6	112 6	
End walls of do.	4	2 3	3 9	1 6	50 8	
Partition wall between passage and men	1	11 8	3 6	1 6	61 3	
Partition wall between passage and women	1	9 0	3 6	1 6	47 3	
Partition wall for women	1	3 6	3 6	1 6	18 5	
Screen walls for men and women	2	4 4	3 6	1 6	45 6	
Screen walls for passage	1	2 11	3 6	1 6	15 4	
Seats including partitions for men	1	11 8	2 6	1 6	43 9	
Seats including partitions for women	1	2 8	2 6	1 6	10 0	
Cistern	1	4 6	3 3	1 0	14 8	
Earth-bin	1	17 11	area	1 0	17 11	
Total, cubic feet of concrete ...		...	...	...	...	741
Brickwork in foundation footings.						
Pillars	10	2 6	2 6	1 6	93 9	
Front and rear walls between pillars	6	5 4	1 9	1 6	84 0	
End walls of do.	4	4 3	1 9	1 6	44 8	
Partition wall between passage and men	1	13 8	1 6	1 6	30 9	
Partition wall between passage and women	1	11 0	1 6	1 6	24 9	
Partition wall for women	1	3 6	1 6	1 6	7 10	
Screen walls for men and women	2	4 4	1 6	1 6	19 6	
Screen walls for passage	1	2 11	1 6	1 6	6 7	
Seats including partitions for men	1	13 8	2 6	1 6	51 3	
Seats including partitions for women	1	4 8	2 6	1 6	17 6	
Cistern	1	3 6	2 9	0 6	4 10	
Total, cubic feet of foundation.		...	...	...	...	385
Above footings to ground level.						
Pillars	10	1 9	1 9	1 6	46 0	
Front and rear walls between pillars	6	6 4	1 0	1 6	57 0	
End walls of do.	4	5 3	1 0	1 6	31 6	
Partition wall between passage and men	1	14 8	0 6	1 6	11 0	
Partition wall between passage and women	1	12 0	0 6	1 6	9 0	
Partition wall for women	1	3 6	0 6	1 6	2 8	
Screen walls for men and women.	2	4 4	0 6	1 6	6 6	
Do. for passage	1	2 11	0 6	1 6	2 2	

Estimate form—Detailed measurements—cont.

Detail of Work.	Number.	MEASUREMENTS IN FEET.			Area or Contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
LATRINE—cont.						
Above footing to ground level—cont.						
Seats including partitions for men	1	14 8	2 6	1 6	55 0	
Seats including partitions for women	1	12 0	2 6	1 6	45 0	
Cistern	1	7 6	0 9	1 6	8 5	
Total, cubic feet of above footings to ground level.		...	...	...	...	274
Total, cubic feet of foundations.		...	...	...	...	659
Brickwork in basement.						
Pillars	10	1 6	1 6	1 0	22 6	
Front and rear walls between pillars	6	6 4	1 0	1 0	38 0	
End walls of do.	4	5 3	1 0	1 0	21 0	
Partition wall between passage and men	1	14 8	0 6	1 0	7 4	
Partition wall between passage and women	1	12 0	0 6	1 0	6 0	
Partition wall for women	1	3 6	0 6	1 0	1 9	
Screen walls for men and women	2	4 4	0 6	1 0	4 4	
Screen wall for passage	1	2 11	0 6	1 0	1 6	
Seats including partitions for men	1	14 8	2 6	1 0	36 8	
Seats including partitions for women	1	12 0	2 6	1 0	30 0	
Cistern	1	7 0	0 7	0 6	2 0	
Earth-bin	1	8 3	1 0	1 0	8 3	
Total, cubic feet of basement...	...	...	...	...	...	179
Superstructure.						
Pillars	10	1 6	1 6	8 0	180 0	
Front and rear walls between pillars including cornice work	6	6 4	0 9	4 0	114 0	
End walls of do. including do.	4	5 3	0 9	4 0	63 0	
Partition wall between passage and men	1	14 8	0 6	6 0	44 0	
Partition wall between passage and women	1	12 0	0 6	6 0	36 0	
Partition wall for women	1	3 6	0 6	6 0	10 6	
Screen walls for men and women	2	4 3	0 6	6 0	25 6	
Screen wall for passage	1	2 6	0 6	6 0	7 6	
Partition walls between seats for men and women	4	2 6	0 6	6 0	30 0	
Seats including trough for men and women	1	19 6	2 6	0 11	44 8	
Earth-bin	1	8 3	0 6	2 9	11 4	
Horizontal walls between terracotta panels in front and rear.	12	6 4	0 9	0 6	28 6	
Horizontal walls between terracotta panels in ends...	8	5 3	0 9	0 6	15 9	

Estimate form—Detail measurements—cont.

Detail of Work.	Number.	MEASUREMENTS IN FEET.			Area or Contents.	Total quantity of each description of Work.
		Length.	Breadth.	Depth.		
LATRINE—cont.						
Superstructure—cont.						
Vertical walls between terracotta panels in front, rear and ends	72	1 0	0 9	0 6	27 0	
Total, cubic feet ...	...	...	...	...	637 9	
Deduct as specified below, cubic feet ...	...	...	...	...	13 7	
Net cubic feet of superstructure ...	...	...	...	...	...	624
Deductions.						
Troughs	6	2 6	0 9	0 7 1	7 0	
Passage	6	0 9	0 6	0 10 1	2 0	
Partition walls between seats...	4	2 6	0 6	0 11	4 7	
Total cubic feet of deduction...	...	...	...	...	13 7	
Earth-filling	1	21 6	11 6	0 6	123 7	134
Flooring with asphalt 3" thick over a 5" bed of concrete	1	22 9	12 9	...	290 0	
Deduct as specified below	...	...	...	...	73 9	
Net square feet of flooring...	...	...	...	...	218 3	Sqrs. 2 25
Deduction.						
Partition wall between passage, men and women	1	30 0	0 6	...	15 0	
Screen walls for passage, men and women	1	11 9	0 6	...	5 10 1	
Seats including partitions for men and women	1	19 6	2 6	...	48 9	
Earth-bin	1	8 3	0 6	...	4 11	
Total, square feet of deductions	...	...	...	...	73 9	
Scantlings of woodwork.						
Wall plates over front, rear and end walls	1	80 0	0 6	0 4	13 4	
Common rafters	18	12 0	0 4	0 3	18 0	
Collar pieces (in big)	8	11 9	0 4	0 2 1	6 6	
Do. (in small)	8	6 10	0 4	0 2 1	3 9	
Hip rafters	4	16 6	0 3	0 6	8 3	
Ridge piece in longitudinal	1	16 8	0 4	0 3	1 6	
Do. in cross	1	7 0	0 4	0 3	0 7	
Jack rafters	48	6 0	0 4	0 3	24 0	
Rafters to dormer windows in front, rear and ends	8	4 6	0 4	0 2 1	2 6	
Jack rafters to dormer windows in front, rear and ends	12	2 3	0 4	0 2 1	1 11	
Total, cubic feet of woodwork...	...	...	...	...	80 4	50
Terracotta panels, 13 1/2" x 13 1/2" (manufactured by the Madras School of Arts) in number...	92	...	...	...	...	92

Estimate form—Detail measurements—cont.

Detail of Work.	Number.	MEASUREMENTS IN FEET.			Area or Contents.	Total quantity of each description of Work.
		Length.	Breadth.	Depth.		
LATRINE—cont.						
Perforated damp proof course for ventilation (Taylor's patent), 9" x 9" x 3" in number	46	...	...	...	...	46
Roofing with teak reapers, nails, flat and pan tiles and chunam bands complete	1	31 0	21 0	...	651 0	
Roofing with teak reapers, nails, flat and pan tiles and chunam bands complete for a long dormer windows	4	3 6	4 0	...	56 0	
Total, square feet of roofing.	...	...	...	...	707 0	Sqrs. 7
Ridging ... R. feet ...	24	...	...	...	...	24
Paintings with three coats of wood-oiling for woodwork.						
Wall plates	1	80 0	1 4	...	106 8	
Common rafters	18	12 0	0 11	...	198 0	
Collar pieces (in big)	8	11 9	0 10½	...	82 3	
Do. (in small)	8	6 10	0 10½	...	47 10	
Hip rafters	4	16 6	1 3	...	82 6	
Ridge piece in longitudinal	1	16 8	0 11	...	15 3	
Do. in cross	1	7 0	0 11	...	6 5	
Jack rafters	48	6 0	0 11	...	264 0	
Rafters to dormer windows in front, rear and ends	8	4 6	0 10½	...	31 6	
Jack rafters to dormer windows in front, rear and ends	12	2 3	0 10½	...	23 7	
Total, square feet of paintings	...	...	...	...	858 0	Sqrs. 8½
Plastering in and out.						
Pillars	10	8 0	...	8 0	480 0	
Top of pillars	10	1 6	...	1 6	22 6	
Front, rear and end walls between pillars	1	59 0	...	9 0	531 0	
Horizontal walls between terracotta panels	1	236 0	...	0 4½	88 6	
Vertical walls between terracotta panels	1	144 0	...	0 4½	54 0	
Top of do.	1	59 0	...	0 9	44 3	
Partition walls between passage, men and women	1	30 0	...	12 6	375 0	
Screen walls between passage, men and women	1	12 6	...	12 6	156 3	
Partition walls between troughs	4	2 6	...	12 6	125 0	
Seats including troughs	1	27 0	...	3 3	87 9	
Around the basement	1	82 0	...	1 3	115 0	
Earth-bin	1	8 3	...	6 6	49 6	
Total, square feet	...	...	...	...	2,138 9	
Deduct as specified below	...	...	...	...	127 7	
Net square feet of plastering	...	...	...	...	2,001 2	Sqrs. 20

Estimate form—Detail measurements—cont.

Detail of Work.	Number.	MEASUREMENTS IN FEET.			Area or Contents.	Total quantity of each description of Work.
		Length.	Breadth.	Depth.		
LATRINE—cont.						
Deduction.						
Walls in the side of pillars ...	20	0 9	...	6 6	97 6	
Partition walls in the side of pillars ...	1	1 6	...	6 0	9 0	
Screen walls in the side of pillars ...	1	2 6	...	6 0	15 0	
Earth-bin ...	1	1 0	...	2 9	2 9	
Troughs ...	6	0 9	...	0 9	3 4	
Total, square feet of deductions ...	...	...	...	...	127 7	
Surki plaster for cistern.						
Cistern ...	1	2 0	...	2 0	4 0	
Around the cistern walls inside ...	1	8 0	...	2 0	16 0	
Top of do. ...	1	7 0	...	0 6	3 6	
Around the cistern walls outside ...	1	9 0	...	0 6	4 6	
Total, square feet of surki plaster ...	...	...	...	...	28 0	Sqrs. 25
Tarring.						
Around the basement outside ...	1	92 6	...	4 3	391 0	
Do. do. inside ...	1	69 0	...	3 0	207 0	
Partition wall between passage, men and women ...	1	30 0	...	6 0	180 0	
Screen walls between passage, men and women ...	1	13 0	...	6 0	78 0	
Earth-bin ...	1	8 3	...	6 0	49 6	
Partition walls between seats ...	4	5 6	...	3 0	66 0	
Seats including troughs ...	1	27 0	...	3 3	87 9	
Total, square feet ...	...	...	...	...	859 3	
Deduct as specified below ...	...	...	...	...	8 4	
Net square feet of tarring ...	...	...	...	...	850 11	Sqrs. 8½
Deductions.						
Partition walls between seats ...	1	2 6	...	0 6	5 0	
Front faces of troughs ...	6	0 9	...	0 9	3 4	
Total, square feet of deductions ...	...	...	...	...	8 4	
Trap door ...	1	...	...	...	...	
Bucket ...	1	...	...	...	...	
Barge boards to dormer windows as per plan ...	4	...	...	...	...	
Finials as per plan ...	4	...	...	...	...	
Contingencies at about 5 per cent. ...	...	...	...	...	...	

ESTIMATE FORM—Abstract.

Quantity.	Description of Work.	Rate.	Per.	Amount.	Total.
	LATRINE.	RS.		RS.	RS.
2187 c. ft.	Excavation for foundation ...	...	1,000 c. ft.	...	...
741 "	Concrete ...	...	100 "	...	...
659 "	Brickwork in foundations ...	...	Do. ...	...	...
179 "	Do. in basement ...	...	Do. ...	...	...
624 "	Do. in superstructure ...	...	Do. ...	...	...
124 "	Earth-filling in basement ...	...	1,000 c. ft.	...	...
2-25 sqrs.	Flooring with asphalt $\frac{3}{4}$ " thick over a 5' bed of concrete ...	...	Square ...	...	...
80 c. ft.	Teakwood, wrought and put up ...	...	C. ft. ...	...	...
92 No.	Terracotta panels $13\frac{1}{2}$ " x $13\frac{1}{2}$ " (manufactured by the Madras School of Arts) ...	...	Each ...	...	...
46 "	Perforated damp proof course for ventilation (Taylor's patent) 9 " x 9 " x 3 " ...	...	" ...	...	...
7 sqrs.	Roofing with teak reapers, nails, flat and pan tiles and chunam bands completed ...	...	Square ...	...	...
24 r. ft.	Ridging ...	...	R. ft. ...	...	...
8-5 sqrs.	Paintings with three coats of wood-oiling for woodwork ...	...	Square ...	...	...
20 "	Plastering with two coats of chunam ...	...	" ...	...	...
25 "	Surki plaster with two coats ...	...	" ...	...	...
8-5 "	Tarring with one coat ...	...	" ...	...	...
1	Trap door ...	...	Each ...	...	...
1	Bucket ...	...	" ...	...	...
4	Barge boards to dormer windows as per plan. ...	...	" ...	...	...
4	Finials as per plan (wooden) ...	...	" ...	...	...
	Contingencies at about 5 per cent. ...	...	...	...	...
	Grand total of estimate ...	...	...	...	...

MADRAS,
2nd February 1885.(Signed) J. L. L. MORANT, Lieut.-Col., R.E.,
Offg. Consulting Architect to Government

ESTIMATE No. 51 of 1884-85.

Financial Head—Provincial Services (Imperial).
 Budget Head—Civil Buildings.
 Departmental Head—Original Work.
 Main Head—Law and Justice.
 Sub-Head—K. Buildings.
 Project of which the work forms part—Sub-Judge's court.
 Section—
 Name of Work—Constructing a court-house for sub-judge or district munsif.
 Amount of Estimate—
 To be carried out by—The Public Works Department.

REFERENCES.

A design for a building with a tiled roof was sanctioned in Public Works G.O., No. 2294 W., dated 6th September 1879. Subsequent correspondence with their Honorable the Judges of the Madras High Court elicited an opinion that the plan of the proposed court needed revision. This was done, and a building with a flat roof was sanctioned in Public Works G.O., No. 2854 W., dated 15th November 1884. The same plan is now treated with a tiled roof.

From J. A. DAVIES, Esq., Acting Registrar of the High Court of Judicature at Madras, Appellate Side, to the Chief Secretary to Government, dated 17th February 1885. No. 490.

In returning the type design with specification, &c., for a subordinate judge's or district munsif's court with a tiled roof, forwarded with endorsement, dated the 11th instant, No. 350, Judicial, on memorandum from the Under Secretary to Government, dated the 6th idem, No. 238 C., Public Works Department, I am directed to state that the design has the approval of the Honorable the Judges.

No. 447, Judicial.

Returned with the approval of the High Court to the Public Works Department.

(By Order.)

(Signed) H. A. STUART,
Acting Assistant Secretary.

23rd February 1885.

ORDER—dated 6th March 1885, No. 505 W., Public Works.

The 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, in continuation of G.O., No. 2854 W., dated 15th November 1884.

2. G.Os., No. 3929 W., dated 9th October 1878, and No. 2294 W., dated 6th September 1879, are hereby superseded.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

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

Ed. A. Grubert.
Spare Copies

13-8-08
BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1885 Madras.

PUBLIC WORKS.

Dated March, 6th.

Recd.

Encl.

G.O., 6th March 1885, No. 505 W.

MARCH.

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

Type design, with schedule of quantities
and descriptive specification, circulated to
officers of the department.