Public Works (1897) Department.

G.O., No. 74865

Dated 15 March 1897

[Despatch Abstract.]

District Munsifs' Court-Houses: Circulating to Officers of the department with remark, the Revised type designs with descriptive Specifications and Schedule of Quantities, for —.

230/14

17/3/97

BACK PAPERS.

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

FURTHER PAPERS.

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

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Spare copies*

Regd. *Enclosures*

G.O., No. 748 W., 15th March 1897.

March.

District Munsifs' Court-houses

Circulating to officers of the department, with remark, the revised type designs, with descriptive specifications and schedules of quantities, for —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

Endorsement of the Public Works Department, dated 20th June 1896, No. 498 D.

From the Registrar of the High Court, Madras, No. 428, dated 1st September 1896.

With reference to G.O., R. No. 1075, Judicial, dated 25th June 1896, referring, for remarks, a revised standard design and estimate for a District Munsif's Court-house, with a tiled roof, I am directed to state that the Honourable the Judges consider that the revised type design now forwarded, as well as the one formerly sent (G.O., No. 179 W., dated 17th January 1896), seem to meet all requirements and may therefore be approved. A tiled or terraced roof may be adopted according to the circumstances of the locality, the one being doubtless more suitable in some places than the other.

Memo. No. 1925, Judicial.

The High Court's letter will be communicated to the Public Works Department, with reference to its endorsement, No. 498, dated 20th June 1896, herewith returned.

2. The Government considers that the two small windows in the Court room above the verandah and facing the Bench are open to objection, as they will throw a strong light behind the witnesses and pleaders and render their features almost invisible to the officer presiding in the Court. The undesirability of such windows has before been pointed out to the Public Works Department in connection with other type plans. The order of the rooms to the left of the Court room in the plan also appears to be inconvenient, as it is important that the head clerk should be near the records. The order should accordingly be as follows: (1) record-room, (2) head clerk, (3) copyists, (4) gumastahs.

3. The above-noted alterations should be carried out in the present design with tiled roofing and also in the design with terraced roofing which is circulated in G.O., No. 179 W., dated 17th January 1896. It is further noticed that this latter design provides no door leading into the back verandah from the Judge's retiring room. Such a door should be entered in the plans and estimates. The obvious necessity for this has also been before pointed out to the Public Works Department in connection with other similar plans.

OOTACAMUND,
23rd September 1896.

(Signed) W. FRANCIS,
Ag. Under Secretary.

From G. S. T. HARRIS, Esq., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 26th October 1896, No. 3857.

In returning Judicial Department memo., No. 1925, dated 23rd September 1896, received with your memo., No. 3502, dated the 3rd instant, I have the honour to submit a lithographed copy of the plan with printed estimate for the terraced design duly altered, on approval; a corrected copy may be furnished to each Superintending Engineer to alter their copies accordingly. If six copies of the plan and estimate are forwarded, I shall have the alterations made here and returned.

2. The tiled design is being redrawn and will be submitted with the estimate at an early date.

From G. S. T. HARRIS, Esq., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 17th November 1896, No. 4179.

In continuation of this office letter, No. 3857, dated the 26th October 1896, I have the honour to submit revised plans and estimate for Sub-Judge's or District Munsif's Court-house with roofing of Mangalore tiles.

No. 143 C.

The revised type plans and estimates for District Munsif's Court-houses, with tiled and terraced roofs, modified in accordance with memo., No. 1925, Judicial, dated 23rd September 1896, are forwarded to the Judicial Department for final approval.

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
11th January 1897. Secretary to Government.

G.O., R. No. 203, Judicial, dated 6th February 1897.

Order—R. No. 203, Judicial, dated 6th February 1897.

The revised plans and estimates received with the memorandum read above, are approved and retransferred to the Public Works Department, with the following remarks :—

(i) From the figures given in the abstract estimates for the two designs it is observed that the quantities of the marginally-noted items * of work are greater in the case of the tiled than the terraced design. The reasons for this increase are not apparent. The tiled building is presumably less heavy than the terraced one and so does not require more foundation, and as it needs no plastering on ceilings, the total of plastering work in it should apparently be less.

* 1. Excavation of foundation.
2. Concrete for foundation.
3. Brickwork in foundation.
4. Plastering interior with chunam.

(ii) The quantities of Cuddapah slab flooring and of venetian windows and of ventilators with glazed shutters are also, without apparent reason, greater in the case of the tiled than the terraced design.

(iii) The cost of 44 square feet of batten doors at As. 12–6 per square foot is Rs. *34*, and not *36* as given in the abstract estimate form accompanying the same design.

(True Extract.)

(Signed) W. FRANCIS,
for Chief Secretary.

No. 5256.

ESTIMATE FORM.—Comparative statement of differences for certain items in type design, Court-house for Sub-Judge or District Munsif, terraced and tiled design.

Description of work.	Terraced design.			Tiled design.			More.	Less.	Explanation of difference.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.			
1	2	3	4	5	6	7	8	9	10
	C. FT.	RS. A. P.	RS.	C. FT.	RS. A. P.	RS.	RS.	RS.	
Excavation for foundation.	11,741	4 10 0	54	12,015	4 10 0	56	2	..	Excess in foundations is due to the plinth in the tiled design being made half a brick thicker than the wall above and the concrete bed correspondingly thicker. The foundations in type plans are merely assumed, the actual depth and width required should be decided according to the nature of the soil where the building is to be erected.
Concrete do.	10,451	14 0 0	1,463	10,647	14 0 0	1,491	28	..	
Brickwork do.	3,188	20 0 0	637	3,560	20 0 0	712	75	..	
	S. FT.								
Plastering interior with chunam.	8,322	2 8 0	208	10,067	2 8 0	252	44	..	Area of wall space greater in tiled than terraced design. Ceiling plastering in terraced building is always included in cost of terraced roof.
Flooring with Cuddapah slabs.	4,613	22 0 0	1,015	5,056	22 0 0	1,112	97	..	Less quantity in terraced design owing to larger sectional area of brick piers in verandah, the tiled design having timber uprights of small section.
Venetian windows with frames.	254	1 0 0	254	297	1 0 0	297	43	..	Excess due to an additional window in vakils' room and a window in place of door in copyists' room.
Venetian windows with glass above and iron bars.	110	1 4 0	138	117	1 4 0	146	8	..	Excess due to size of window in tiled design being 1½ feet higher than those provided for terraced design.
Venetian windows without glass head.	..	..	..	20	1 0 0	20	20	..	
Ventilators with glazed shutters.	27	0 11 0	19	168	0 11 0	116	97	..	Excess due to a greater number of ventilators provided in tiled design; these are great boons.
Batten door.	44	0 12 6	34	44	0 12 6	36	..	..	The correction was not made in this office.

CHEPAUK,
25th February 1897.

(Signed) G. S. T. HARRIS,
Consg. Architect to Govt.

ENCLOSURES.

REPORT and specification to accompany the plan and estimate for revised standard design of Court-house for Sub-Judge or District Munsif with tiled roof according to drawing signed by the Consulting Architect to Government and dated 16th November 1896.

	RS.
Amount of estimate	14,260

GENERAL SPECIFICATION.

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

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

Stone work.—Stone slabs should be placed at the bearings of the trusses and stones under verandah posts with mortice holes 2″ × 2″ × 2″ deep into which the posts will be tenoned. The steps may also be of stone, if procurable, without great expense.

Wood work.—The trusses, verandah posts, eaves and barge boards should be of Burma teak, the purlins, rafters and ceiling joists and other minor roof supports may be of approved country wood, proof against white ants.

Doors and windows.—To be of well-seasoned Burma teak wood and supplied with approved iron hinges, bolts and holding down hooks. The ventilators will have glazed shutters to open and shut on side pivots.

Roofing.—The roof will be covered with Mangalore tiles on teak reepers 2″ × 1″. All valleys should be protected with $\frac{3}{32}$ lead sheet or zinc sheets 12 or 16 B.W.G. The interior of rooms to be ceiled with matched 5 inch teak planking, $\frac{3}{4}$ inch thick, tongued and grooved and screwed to 4″ × 2½″ joists, two screws to each plank. The joists will be secured to the tie beams with iron knees $\frac{3}{16}$ inch thick. Where the ceiling joists have to span a greater distance than 10 feet as in the gumastahs', head clerk's and copyists' rooms, they will be suspended to the rafters by battens 2″ × 1″. At about intervals of every third rafter, the battens will be secured to the rafters with iron knees $\frac{3}{32}$ inch thick and screws and simply screwed to the joists. On each side of the tie beam and about 9 inches from wall, ventilators will be provided cut out of thin sheet iron painted light grey and pinned over round holes in the ceiling.

Flooring.—The floor will consist of Cuddapah slabs about 2 inches thick laid in mortar on a 4″ bed of concrete and neatly pointed with asphalte. If Cuddapah slabs are not easily procurable, the floor may be paved with square bricks, in which case the record and property rooms should be floored with asphalte. Where the soil is damp the filling in below floor should be of river sand. The floor of verandahs will be laid with a fall outwards of about $\frac{3}{4}$ inch to 10 feet.

Interior and exterior finishing.—The walls inside rooms will be fine plastered and polished or plastered and whitewashed. Where good bricks or stone are obtainable, the exterior should be pointed—black painting for brick work with a composition of asphalte, tar and sand neatly executed is preferable—as it shows the brick work to advantage and is very durable. A damp-proof course of asphalte ½ inch thick should be laid.

Painting.—The roof timbers concealed by ceiling need not be painted. The verandah uprights and rafters and windows exposed to the weather should be primed and then painted with two coats chocolate paint. Doors and windows protected by verandahs and inside building, and ceiling to be wood-oiled three coats. Barge boards and eave boards painted three coats white lead paint.

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

STANDARD design of Court-house for Sub-Judge or District Munsif with Mangalore tiled roofing.

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	2	3	4	5	6	7
Earthwork excavation for foundation.		FT. IN.	FT. IN.	FT. IN.		
Court walls, 3 sides	..	78 6	..	..	..	
Head clerks to Nazarat Establishment—Outer walls	..	241 6	..	..	..	
Property and record-room walls, 3 sides ..	2	52 6	..	..	..	
	..	425 0	4 0	4 6	7,650	
Gumastahs', &c., rooms partitions	5	12 6	..	..	..	
Verandah front	..	178 3	..	..	..	
Do. rear	..	62 3	..	..	..	
	..	303 0	3 0	4 6	4,091	
	..	21 9	2 0	1 0	44	
Dais walls	2	15 6	..	..	..	
Steps	2	9 6	..	..	..	
Do.	..	50 0	2 6	1 6	188	
Ramp to property room	..	8 0	7 0	0 9	42	
Total Cubic feet ..	..	..	..	..	..	12,015

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.
1	2	3	4	5	6	7
Concrete.		FT. IN.	FT. IN.	FT. IN.		
Court walls, 3 sides		78 6	..	..	..	
Head clerk to Nazarat—						
Establishment outer walls		241 6	..	..	..	
Property and record-room walls, 3 sides	2	52 6	..	..	..	
	..	425 0	4 0	4 0	6,800	
Gumastahs, &c., room partitions	5	12 6	..	..	..	
Verandah, front	..	178 3	..	..	..	
Do. rear	..	62 3	..	..	..	
	..	303 0	3 0	4 0	3,636	
Dais walls	..	21 9	2 0	1 0	44	
Steps	2	15 6	..	..	..	
Do.	2	9 6	..	..	..	
	..	50 0	2 6	1 0	125	
Ramp to property room	1	8 0	7 0	0 7	42	
Total Cubic feet	..	..	..	..	..	10,647
Brick work in foundations and basement.						
Court walls, 3 sides		80 7½	..	..	..	
Head clerks to Nazarat—						
Establishment outer walls		241 6	..	..	..	
Property and record-room walls, 3 sides	2	54 7½	..	..	..	
	..	431 4½	1 10½	2 6	2,022	
Gumastahs, &c., rooms partitions	5	14 7½	..	..	..	
Verandah, front		180 4½	..	..	..	
Do. rear		64 4½	..	..	..	
	..	317 10½	1 6	2 6	1,192	
Dais walls		23 10½	1 1½	2 6	67	
Steps	2	15 6				
Do.	2	9 6	3 0	1 0	150	
Do.	2	13 6				
Do.	2	7 6	2 0	0 6	42	
Do.	2	11 6				
Ramp	2	5 6	1 0	0 6	17	
	1	7 0	8 0	1 3	70	
Total Cubic feet	..	..	..	..	..	3,560
Brick work in superstructure.						
Court walls, 3 sides		81 0	1 6	15 3	1,853	
Do. gables	2	21 0	1 6	2 7½	165	
Establishment outer walls		241 6	1 6	15 6	5,615	
Do. end gable	2	18 0	1 6	2 4½	128	
Do. partitions	5	15 0	1 1½	15 6	1,308	
Do. gables	5	18 0	1 1½	2 4½	240	
Property and record-room walls	2	55 0	1 6	15 6	2,558	
Do. gables	4	19 0	1 6	2 4½	271	
Do. dais walls		24 3	1 1½	1 6	41	
Corbelling for wall plates		230 6	0 5	0 10½	84	
Total	..	..	..	..	..	2,263
Deductions—						
Doors in court	6	4 6	1 6	8 0	324	
Windows, court	2	4 6	1 6	5 0	68	
Do. recesses in court	2	4 6	0 9	3 0	20	
Ventilators on sides	6	3 0	1 6	2 4	63	
Head clerk to Nazarat—						
Establishment doors	9	4 0	1 6	8 0	432	
Do.	2	4 0	1 1½	8 0	72	
Doors	2	3 0	1 6	8 0	72	

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.
1	2	3	4	5	6	7
Brick work in superstructure—cont.		FT. IN.	FT. IN.	FT. IN.	C. FT.	
Head clerk to Nazarat—*cont.*						
Windows	12	4 0	1 6	5 3	378	
Do. recesses	12	4 0	0 9	2 9	99	
Ventilators	18	3 0	1 6	2 4	189	
Door for property room	1	5 6	1 6	8 0	66	
Windows for property-room and record-room	9	2 0	1 6	6 0	162	
Do do. do. do.	2	2 0	1 6	5 0	30	
Archwork as per details	..	..	..	..	356	
Total, Cubic feet	..	..	..	..	..	2,331
Archwork, segmental.						9,932
Over court doors and windows	8	5 9	1 6	1 1½	263	
Over head clerks' rooms and windows	21	5 3	1 6	1 1½		
Do. do. partitions	2	5 3	1 1½	1 1½	13	
Over single shutter doors in gumastah sand retiring rooms	2	4 0	1 6	1 1½	80	
Over door in property room	1	6 9	1 6	1 1½		
Over windows in record and property rooms	11	3 0	1 6	1 1½		
Total, Cubic feet	..	..	..	..	..	356
Stone work.						
Under truss bearings	14	2 0	1 6	0 6	21	
Do. verandah posts	40	1 1½	1 1½	0 6	25	
Total, Cubic feet	..	..	..	..	..	46
Earth filling in basement.						
Court rooms	1	29 7½	17 7½	1 6	522	
From Head clerks to Nazarat—						
Establishment room	1	94 10½	14 7½	1 6	2,081	
Record and property rooms	2	17 7½	15 7½	1 6	826	
Verandah, front	1	162 9	7 3½	1 6	2,491	
Do. rear	1	64 4½	7 3½	1 6		
Total, Cubic feet	..	..	..	..	..	5,920
Teakwood in trusses, wrought and put up.						
Two trusses for court room to span 18 feet. Tie beams	2	21 0	0 4	0 7½	9	
Principal rafters	4	10 9	0 4	0 6½	8	
Struts	4	5 0	0 4	0 4	2	
Block at head	2	1 3	0 3	0 6	1	
Two trusses for record and property rooms, span 16 feet. Tie beams	2	19 0	0 4	0 6½	7	
Principal rafters	4	10 3	0 4	0 5½	6	
Struts	4	4 9	0 4	0 4	2	
Block at head	2	1 3	0 3	0 6	1	
Two trusses for vakils and Nazarat rooms to span 15 feet. Tie beams	2	18 0	0 4	0 6½	7	
Principal rafters	4	9 6	0 4	0 5½	6	
Struts	4	4 6	0 4	0 4	2	
Block at head	2	1 3	0 3	0 6	1	
One truss for gumastahs' room to span 15 feet. Tie beam	1	18 0	0 4	0 6½	3	
Principal rafters	2	9 6	0 4	0 5½	3	
Struts	2	4 6	0 4	0 4	1	
Block at head	1	1 3	0 3	0 6	1	
Total, Cubic feet	..	..	..	..	..	60
Teakwood in purlins rafters, Verandah posts, &c.						
Court purlins	2	10 3				
Do.	2	13 9	0 4	0 6	13	
Do.	2	14 9				
Court room wall purlins	2	10 3				
Do.	2	11 9	0 4	0 5	10	
Do.	2	13 9				

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.
1	2	3	4	5	6	7
Teakwood in purlins rafters, verandah posts, &c.—cont.		FT. IN.	FT. IN.	FT. IN.		
Ridge	1	10 3				
Do.	1	13 9	0 3	0 6½	6	
Do.	1	19 0				
Rafters	26	13 3				
Do. Jack	2	11 3				
Do. do.	2	8 0	0 2½	0 4	28	
Do. do.	2	5 0				
Do. do.	2	2 0				
Eave boards	2	32 0	0 3/4"	0 7	2	
Barge boards	2	11 4½	0 1	0 8	1	
Do. at ends	4	2 0	0 1	1 4	1	
Between barge boards	1	1 3	0 1	1 0	1	
Cover boards	2	13 3	0 1	0 6	1	
Record and property rooms—						
Purlins	4	13 0	0 4	0 6	18	
Do.	4	14 0				
Wall purlins	4	22 6	0 4	0 5	13	
Ridge	2	13 0	0 3	0 6	8	
Do.	2	18 0				
Valley rafters	4	16 6	0 3	0 6	8	
Gutter boards	4	16 6	1 3	0 1	7	
Reepers to support boards	4	16 6	0 2	0 1/2"	1	
Rafters	32	12 3				
Rafters, Jack	2 × 2	11 9	0 2½	0 3½	29	
Do.	2 × 2	8 9				
Do.	2 × 2	5 9				
Do.	2 × 2	3 0	0 2½	0 3½	2	
Eave boards	2 × 2	19 6	0 3/4"	0 7	3	
Barge ,,	2 × 2	10 3	0 1	0 8	2	
,, ,, at ends	2 × 4	2 0	0 1	1 4	2	
Between barge boards	2	1 3	0 1	1 0	1	
Cover boards	4	12 3	0 1	0 5	2	
Shelves	2	16 0	1 6	0 1½	5	
Do. brackets	10	2 9	0 2	0 3	1	
Head Clerks' room—						
Purlins	2	16 10½	0 4	0 8	8	
Wall purlins	2	16 10½	0 4	0 5	5	
Ridge	1	16 10½	0 3	0 6½	2	
Copyists' room purlins	2	15 9	0 4	0 8	7	
Wall purlins	2	15 9	0 4	0 5	4	
Ridge	1	15 9	0 3	0 6½	2	
Gumastahs' room purlins	4	14 6	0 4	0 8	13	
Wall purlins	4	14 6	0 4	0 5	8	
Ridge	2	14 6	0 3	0 6½	4	
Judge's retiring room purlins	2	13 0	0 4	0 6	4	
Wall purlins	2	13 0	0 4	0 5	4	
Ridge	1	13 0	0 3	0 6	2	
Vakils' room purlins	4	10 3	0 4	0 6	7	
Wall purlins	4	10 3	0 4	0 5	6	
Ridge	2	10 3	0 3	0 6	3	
Nazarat establishment—						
Room purlins	2	20 7½	0 4	0 6	7	
Wall ,,	2	20 7½	0 4	0 5	6	
Ridge	1	20 7½	0 3	0 6	3	
Head Clerks to Nazarat establishment—						
Room rafters	62	11 9	0 2½	0 3½	44	
Jack rafters at end rooms	4	11 3				
Do.	4	8 3				
Do.	4	5 3				
Do.	4	2 6				
Jack rafters over Gumastahs and Nazarat establishment rooms.	2	10 3	0 2½	0 3½	10	
Do. do.	2	7 3				
Do. do.	2	5 3				
Do. do.	2	2 3				
Eave boards	1	147 9	0 3/4"	0 7	5	
Barge boards	4	9 9	0 1	0 8	2	
,, at ends	8	2 0	0 1	1 4	1	
Between barge boards	2	1 3	0 1	1 0	1	
Cover boards	4	11 9	0 1	0 5	2	
Valley rafters between court and rear rooms	2	16 3	0 3	0 6	4	
Gutter boards	2	16 3	1 3	0 1	3	
Reeper to support boards	2	16 3	0 2	0 1/2"	1	
Verandah posts	40	7 3	0 5	0 5	50	
Brackets	40	1 3	0 5	0 5	9	

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Teakwood in purlins rafters, verandah posts, &c.—cont.		FT. IN.	FT. IN.	FT. IN.		
Check pieces	80	1 3	0 5	0 1½	5	
Base pieces	160	0 8	0 1½	0 6	7	
Bressummers	..	251 0	0 5	0 5	44	
Wall plates	..	234 0	0 4	0 3	20	
Rafters	81	10 6	0 3	0 5	89	
Jack rafters, total length	..	162 0	0 3	0 5	17	
Hip and valley rafters	4	16 3	0 3	0 6	8	
Gutter boards	2	16 3	1 3	0 1	3	
Reepers to support boards	2	16 3	0 2	0 1/2"	1	
Pieces at ends of verandah to secure boarding.	2	10 0	0 3	0 4	2	
Boarding	2	10 0	0 1	2 6	4	
Eave boards	1	255 0	0 3/4"	0 7	9	
Ceiling joists to Court room—						
Centre bay	7	9 8	..	..	..	
End bays	14	10 6	..	..	..	
Property and record-rooms	24	9 7	..	..	..	
Head Clerks' room	6	14 3	..	..	..	
Copyists' room	6	15 0	..	..	..	
Gumastahs' room	12	14 0	..	..	..	
Judge's retiring room	6	12 3	..	..	..	
Vakil's room	12	9 6	..	..	..	
Nazarat establishment, &c., rooms	6	7 0	..	..	..	
Do. do.	6	9 10½	..	..	..	
		1,076 11	0 2½	0 4	75	
Ceiling joist suspenders	16	5 1½	..	..	..	
	16	3 4½	..	..	..	
	16	1 9	..	..	..	
		164 0	0 2	0 1	2	
Filling pieces over ventilators	18	4 0	0 4	0 2	4	
					Total C. ft.	682
Wrought iron work.						
For two 18 feet trusses—						
1" Diamr. King rods	2	6 5	=12 10	× 2·62	34	
1" Hex nut and bolt heads	2	..	= 2 0	× 1·10	2	
3" Diamr. ½" thick, washers	6	..	= 6 0	× 0·32	2	
2" × ⅜" Heel straps	4	2 9	=11 0	× 2·50	33	
2" × ⅜" Bearing plates	4	0 6	= 2 0			
⅝" Hex nuts for plates	8	..	= 8 0	× 0·26	2	
Caps of ⅜" plates, 6" wide	2	1 6	= 3 0	× 5·01	15	
For two 16 feet trusses—						
⅞" Diamr. King rods	2	6 3	=12 6	× 2·01	25	
⅝" Hex nut and bolt heads	2	..	= 2 0	× 0·73	1	
⅜" Diamr. ½" thick washers	6	..	= 6 0	× 0·32	2	
2" × ⅜" Heel straps	4	2 6	=10 0	× 2·50	30	
2" × ⅜" Bearing plates	4	0 6	= 2 0			
⅝" Hex nuts for plates	8	..	= 8 0	× 0·26	2	
Caps of ⅜" plates, 6" wide	2	1 6	= 3 0	× 5·01	15	
For two 15 feet trusses—						
⅞" Diamr. King rods	2	6 0	=12 0	× 2·01	24	
⅝" Diamr. Hex-nuts and bolt head	2	..	= 2 0	× 0·73	1	
⅜" Diamr. ½" thick washers	6	..	= 6 0	× 0·32	2	
2" × ⅜" Heel straps	4	2 3	= 9 0	× 2·50	28	
2" × ⅜" Bearing plates	4	0 6	= 2 0			
½" Hex nut for do.	8	..	= 8 0	× 0·26	2	
Caps of ⅜" plate, 6" wide	2	1 6	= 3 0	× 5·01	15	
For one 15 feet trusses for gumastahs rooms—						
1" King rod	1	6 0	= 6 0	× 2·62	16	
1" Hex nuts and bolt heads	1	..	= 1 0	× 1·10	1	
3" Diamr. ½" thick washers	3	..	= 3 0	× 0·32	1	
2" × ⅜" heel straps	2	2 4½	= 4 9	× 2·50	14	
2" × ⅜" Bearing plates	2	0 6	= 1 0			
½" Hex nut for do.	4	..	= 4 0	× 0·26	1	
Caps of ⅜" plates, 6" wide	1	1 6	= 1 6	× 5·01	8	
For verandah wall plates—						
1½" × ⅜" straps of about 5 feet apart	48	2 6	= 120	× 1·87	224	
Knees to fasten ceiling joists to tie beams ⅜" thick—						
For court room	28	6" × 4"	× 3/16"	× ·26	91	
For other rooms	50					

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.
1	2	3	4	5	6	7
Wrought iron work—cont.		FT. IN.	FT. IN.	FT. IN.	C. FT.	
Knees to fasten suspenders to rafters $\frac{3}{32}$" thick—In head clerk's, copyist's and gumastah's room	48	6" × 4"	× $\frac{3}{16}$	× ·26	28	
Total lb. ..	..	..	..	..	..	619
Venetian and panel doors with iron hinges fastenings, complete.						
Court room 4½' × 8' with frames 5" × 3½" ..	6	4 6	..	8 0	216	
Head clerk's, &c., rooms 4' × 8' with frames 5" × 3"	8	4 0	..	8 0	256	
Total, square feet ..	..	..	..	..	..	472
Panelled doors with iron hinges and fastenings complete.						
4' × 8' with frames 5 × 3 in partition walls ..	3	4 0	..	8 0	96	
Sides of dais with single shutter 3' × 8' with frames 5" × 3"	2	3 0	..	8 0	48	
Total, square feet ..	..	..	..	..	..	144
Battern doors.						
For property room 5'-6" × 8' with frames 5" × 4" strong iron straps hinges, hooks, hasps staple, complete	1	5 6	..	8 0	44	44
Venetian windows.						
Court room 4½' × 5 with frames 5" × 3" ..	2	4 6	..	5 0	45	
Gumastah's, &c., room 4' × 5½' with frames 5" × 3"	12	4 0	..	5 3	252	
Total, square feet ..	..	..	..	..	..	297
Venetian windows with glass above with 1" Dr. iron bars, iron hinges and fastenings, complete.						
For record and property room 2' × 6½' with frames 6" × 3"	9	2 0	..	6 6	117	117 sq. ft.
For record and property room 2 × 6½ without glass head	2	2 0	..	5 0	20	20 sq. ft.
Ventilators with glazed shutters moving on side pivots.						
Court room sides 3' × 2'-4" with frames 4" × 3".	6	3 0	..	2 4	42	
Head clerk's, &c., rooms 3' × 2'-4" with frames 4" × 3"	18	3 0	..	2 4	126	
Total, square feet ..	..	..	..	..	..	168
Roofing with Mangalore tiles including 2" × 1" teak reepers and wind tie, complete.						
Court	2	37 3				
Record and property rooms	2 × 2	25 3	..	13 3	987	
Head clerks to Nazarat—				12 6		
Establishment rooms, front					1,263	
Do. do. rear	2	49 0				
Do. do. do. ends	1	72 9	..	..	..	
	2	7 6	..	..	..	
	..	135 9	..	..	..	
Verandah, front	1	168 3	..	12 0	2,229	
Do. rear	1	64 9	..	..	..	
	..	233 0	..	..	..	
Total, square feet ..	..	..	..	11 6	2,680	
	..	..	..	..	..	7,159

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.
1	2	3	4	5	6	7
Ceiling boards ¾" thick tongued and grooved.		FT. IN.	FT. IN.	FT. IN.	C. FT.	
For court room	1	30 0	18 0	..	540	
For head clerk's room	1	12 3	..	..	..	
For copyists' room	1	13 6	..	..	..	
For gumastah's room	1	26 7½	..	..	..	
For judge's retiring room	1	10 9	..	..	..	
For vakil's room	1	18 0	..	..	..	
For Nazarat establishment room	1	16 0	..	..	..	
	..	97 1½	15 0	..	1,457	
Record and property rooms	2	18 0	16 0	..	576	
Total, square feet ..	..	..	..	..	..	2,573
Flooring with Cuddapah slabs 2" thick on a 4" bed of concrete.						
Court	1	30 0	..	18 0	540	
Record and property rooms	2	18 0	..	16 0	576	
From head clerk to Nazarat establishment rooms.	1	97 1½	..	15 0	1,457	
Front verandah	1	165 9	..	9 0	2,075	
Rear do.	1	64 9	..			
Door pieces	6	4 6	..	1 6	41	
Do.	9	4 0	..	1 6	54	
Do.	2	4 0	..	1 1½	9	
Do.	2	3 0	..	1 6	9	
Do.	1	5 6	..	1 6	8	
Window pieces	2	4 6	..	0 9	7	
Do.	12	4 0	..	0 9	36	
Steps	2	16 0	..	3 6	112	
Do.	2	10 0	..	3 6	70	
Ramp	1	7 6	..	8 3	62	
Total, square feet ..	..	..	..	..	..	5,056
Damp proof course with ½" thick, asphalte.						
Court walls, three sides	..	80 7½	..	..	..	
Head clerks to Nazarat establishment outer walls	..	241 6	..	..	..	
Property and record room walls, three sides ..	2	54 7½	..	..	..	
		431 4½	1 10½	..	809	
Partition walls	5	14 7½	..	..	..	
Verandah, front	..	180 4½	..	..	..	
Do. rear	..	64 4½	..	..	..	
		317 10½	1 6	..	477	
Dais walls	..	23 10½	1 1½	..	27	
Total, square feet ..	..	..	..	..	..	1,313
Plastering interior.						
Court	1	96 0	..	15 9	1,512	
Gables	3	18 0	..	2 1½	115	
Record and property rooms	2	68 0	..	15 9	2,142	
Do. gables	6	16 0	..	2 1½	204	
Head clerk and other rooms	..	374 3	..	16 0	5,988	
Do. gables	12	15 0	..	2 1½	383	
Dais	..	27 0	..	1 6	41	
Door jambs and soffits	6	20 6	..	1 0	123	
Do. do.	9	20 0	..	1 0	180	
Do. do.	2	20 0	..	0 7½	25	
Do. do.	2	19 0	..	1 0	38	
Do. do.	1	21 6	..	1 0	22	
Window jambs and soffits	2	14 6	..	1 0	29	
Do. do.	12	14 6	..	1 0	174	
Do. do. sills	2	4 6	..	0 9	7	
Do. do.	12	4 0	..	0 9	36	
Do. do. sides of recesses	28	0 9	..	2 9	58	
Ventilators jambs and sills	6	7 8	..	1 2	54	
Do. do.	18	7 8	..	1 2	161	
Iron barred windows	9	17 0	..	1 0	153	
Do. do.	2	14 0	..	1 0	28	
						11,472

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.
1	2	3	4	5	6	7
Plastering interior—cont.		FT. IN.	FT. IN.	FT. IN.	C. FT.	
Deductions—						
Door ways	6	4 6	..	8 0	216	
Do.	14	4 0	..	8 0	448	
Do.	4	3 0	..	8 0	96	
Do.	1	5 6	..	8 0	44	
Windows	2	4 6	..	5 0	45	
Do.	12	4 0	..	5 3	252	
Do.	9	2 0	..	6 6	117	
Do.	2	2 0	..	5 0	20	
Ventilators	6	3 0	..	2 4	42	
Do.	18	3 0	..	2 4	126	
						1,406
Total, square feet	..	..	..	..	..	10,067
Plastering with Portland cement ½" thick.						
Plinth all round	1	388 0	..	2 3	873	
Sides of steps	..	48 0	..	0 6	24	
Total, square feet	..	..	..	..	..	897
Painting exterior black.						
Court	1	84 0	..	15 3	1,281	
Do. gables	1	21 0	..	2 6	53	
Other rooms	1	304 6	..	15 3	4,644	
Gables	2	19 0	..	2 6	95	
Do.	2	18 0	..	2 6	90	
						6,163
Deductions—						
Door ways	6	4 6	..	8 0	216	
Do.	8	4 0	..	8 0	256	
Do.	1	5 6	..	8 0	44	
Windows	2	4 6	..	5 0	45	
Do.	12	4 0	..	5 3	252	
Do.	9	2 0	..	6 6	117	
Do.	2	2 0	..	5 0	20	
Ventilators	6	3 0	..	2 4	42	
Do.	18	3 0	..	2 4	126	
						1,118
Total, square feet	..	..	..	..	..	5,045
Painting verandah uprights and windows exposed to the weather with three coats chocolate paint.						
Court purlins	2	2 0	..	1 8	7	
Do. wall purlins	2	2 0	..	1 6	6	
Court ridge	1	2 0	..	1 7	3	
Do. rafters	2	13 3	..	1 1	29	
Do. do. at eaves	24	1 9	..	1 1	46	
Record and property room purlins	4	2 0	..	1 8	13	
Wall purlins	4	2 0	..	1 6	12	
Ridge	2	2 0	..	1 6	6	
Valley rafters	4	2 0	..	1 6	12	
Gutter boards	4	2 0	..	2 8	21	
Reepers to support boards	4	2 0	..	0 5	3	
Rafters at gable ends	4	12 3	..	1 0	49	
Do. at eaves	32	1 9	..	1 0	56	
Head clerk's room purlins	2	2 0	..	2 0	8	
Wall purlins	2	2 0	..	1 6	6	
Ridge	1	2 0	..	1 7	3	
Nazarat establishment room purlins	2	2 0	..	1 8	7	
Wall purlins	2	2 0	..	1 6	6	
Ridge	1	2 0	..	1 6	3	
Rafters at gable ends of head clerk, Nazarat establishment rooms	4	11 9	..	1 0	47	
Rafters at eaves	58	1 6	..	1 0	87	
Valley rafters at eaves between court and rear rooms	2	2 0	..	1 6	6	
Gutter boards	2	2 0	..	2 8	11	
Reepers to support boards	2	2 0	..	0 5	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.
1	2	3	4	5	6	7
Painting verandah uprights and windows exposed to the weather with three coats chocolate paint—cont.		FT. IN.	FT. IN.	FT. IN.	C. FT.	
Verandah posts	40	6 6	..	1 8	433	
Brackets	40	1 3	..	1 8	83	
Check pieces sides	160	1 3	..	1 8	83	
Base pieces	160	0 8	..	0 6	54	
Bressummers	..	251 0	..	1 8	418	
Wall plates	..	234 0	..	1 2	273	
Rafters	81	11 3	..	1 4	1,215	
Jack rafters	..	162 0	..	1 4	216	
Hip and Valley rafters	4	16 3	..	1 6	98	
Gutter boards	2	16 3	..	2 8	87	
Reepers to support boards	2	16 3	..	0 5	14	
Pieces at ends of verandah to secure boarding	2	10 0	..	1 2	23	
Boarding	2 × 2	10 0	..	2 6	100	
Venetian windows at head clerk and Nazarat establishment rooms	3½ × 2	4 6	..	5 0	158	
Venetian windows with iron bars	4 × 9	2 0	..	6 6	468	
Do. do.	4 × 2	2 0	..	5 0	80	
Total, square feet	..	..	..	..	..	4,194
Staining doors and windows protected by verandah inside building with two coats of wood-oil.						
Venetian and panelled doors	3½ × 6	4 6	..	8 0	702	
Do. do.	3½ × 8	4 0	..	8 0	832	
Panelled doors	2½ × 3	4 0	..	8 0	216	
Do.	2½ × 2	3 0	..	8 0	108	
Batten doors	2½ × 1	5 6	..	8 0	99	
Venetian windows	3½ × 2	4 6	..	5 0	158	
Do.	3½ × 10	4 0	..	5 3	735	
Ventilators glazed shutters	6	3 0	..	2 4	42	
Do. do.	18	3 0	..	2 4	126	
Sides of filling pieces over ventilators	2 × 18	4 0	..	0 2	24	
Ceiling boards, court room	1	30 0	18 0	..	540	
Do. head clerk's room	1	12 3	..	..	..	
Copyist's room	1	13 6	..	..	..	
Gumastah's room	1	26 7½	..	..	..	
Judge's retiring room	1	10 9	..	..	..	
Vakil's room	1	18 0	..	..	..	
Nazarat establishment room	1	16 0	..	..	..	
	..	97 1½	15 0	..	1,457	
Record and property rooms	2	18 0	16 0	..	576	
Total, square feet	..	..	..	..	..	5,615
Painting with three coats of white lead paint.						
Court room's eave boards	2	32 0	..	1 2¾	79	
Barge boards	2	11 4½	..	1 5	32	
Do. at ends	4	2 0	..	2 8	21	
Between large boards	1	1 3	..	2 0	3	
Cover boards	2	13 3	..	0 11	24	
Record and property rooms—						
Eave boards	2 × 2	19 6	..	1 2¾	96	
Barge boards	2 × 2	10 3	..	1 5	58	
,, at ends	2 × 4	2 0	..	2 8	43	
Between barge boards	2	1 3	..	2 0	5	
Cover boards	4	12 3	..	0 11	45	
Head clerks to Nazarat establishment room—						
Eave boards	1	147 9	..	1 2¾	182	
Barge boards	4	9 9	..	1 5	55	
,, at ends	8	2 0	..	2 8	43	
Between barge board	2	1 3	..	2 0	5	
Cover boards	4	11 9	..	0 11	43	
Verandah eave boards	1	255 0	..	1 2¾	314	
Total, square feet	..	..	..	..	..	1,048

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.
1	2	3	4	5	6	7
Galvanized iron wire netting ¾″ mesh to be nailed in space between open ceiling and rafters behind ventilators.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Behind ventilators	24	3 9	..	2 0	180	
Total, square feet ..	..	..	..	..	..	180
Teakwood railing.						
For dais including fixing and varnishing complete	..	..	..	..	20	20
Lead sheeting $\frac{3}{32}$″ thick.						
Valley gutters allowing for overlapping at joints						
gumastahs' room leading to verandah roof ..	2	18 6				
Over head clerk and Nazarat establishment rooms	2	18 6	1 10	lb. 5 56	1,506	
Over head clerk and Nazarat establishment rooms leading to rear verandah	2	18 6				
Front verandahs	2	18 6				
Total lb. ..	..	..	..	..	..	1,506
Punkahs, complete for court	..	..	..	..	16	16
Cast iron rain water pipes.						
Heads for 4″ Diamr. pipe	4	..	..	..	4	No. 4
Offsets 4″ Diamr. ,, ...	4	..	..	..	4	No. 4
Bends 4″ Diamr. ,, ...	4	..	..	..	4	No. 4
Pipes 4″ Diamr.						
Front	2	× 14½	= 28½	..	..	
	2	× 11¾	= 23½	..	..	
Rear	2	× 12¼	= 25½	..	..	
	2	× 11¾	= 23½	..	..	
Total, Lineal feet ..	..	..	101	..	..	101
Imported sheet iron ventilators on sides of tie beams	..	..	..	..	28	No. 28
Stone slab in front gable 3′ × 1½′ × 6″ with date of erection cut into it	..	..	..	..	1	No. 1

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
		RS. A. P.		RS.	RS.
12,015 c. ft. ..	Excavation for foundation	4 10 0	1,000 c. ft.	56	
10,647 ,, ..	Concrete	14 0 0	100 ,,	1,491	
3,560 ,, ..	Brickwork in foundation and basement with stock bricks	20 0 0	Do.	712	
9,932 ,, ..	Brickwork in superstructure with stock bricks ..	22 0 0	Do.	2,185	
356 ,, ..	Arch work, segmental	25 0 0	Do.	89	
46 ,, ..	Stone work	2 0 0	Cubic foot.	92	
5,920 ,, ..	Earth filling in basement	3 0 0	1,000 c. ft.	18	
60 ,, ..	Teakwood in trusses wrought, framed and put up.	3 12 0	Cubic foot.	225	
682 ,, ..	Do. in purlins, rafters and verandah posts, &c.	3 8 0	Do.	2,387	
619 lb. ..	Wrought iron work	0 3 0	lb.	116	
472 sq. ft...	Teakwood venetian and panel doors with iron hinges fastenings complete 4½′ × 8′ with frames	1 0 0	Square foot.	472	
144 ,, ..	Teakwood venetian and panelled doors with iron hinges fastenings complete 4′ × 8′ with frames	0 14 0	Do.	126	

Estimate Form—Abstract—*cont.*

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
		RS. A. P.		RS.	RS.
44 S. ft. ..	Batten doors 5½′ × 8′ with frames strong iron strap hinges hooks hasps staples complete	0 12 6	Square foot.	34	
297 ,, ..	Venetian windows 4½′ × 5′ with frames ..	1 0 0	Do.	297	
117 ,, ..	Do. do. with glass above with 1″ Diamr. iron bars, iron hinges fastenings complete	1 4 0	Do.	146	
20 ,, ..	Venetian windows 4½′ × 5′ without glass heads ..	1 0 0	Do.	20	
168 ,, ..	Ventilators with glazed shutters moving on side pivots	0 11 0	Do.	116	
7,159 ,, ..	Roofing with Mangalore tiles including 2″ × 1″ teak reepers and wind tie complete	18 0 0	100 sq. ft.	1,289	
2,573 ,, ..	Ceiling boards ¾″ thick tongued and grooved ..	33 0 0	Do.	849	
5,056 ,, ..	Flooring with Cuddapah slabs 2″ thick on a 4″ bed of concrete	22 0 0	Do.	1,112	
1,313 ,, ..	Damp proof course with ½″ thick asphalte ..	17 0 0	Do.	223	
0,067 ,, ..	Plastering interior with chunam, two coats polished.	2 8 0	Do.	252	
897 ,, ..	Do. with Portland cement ½″ thick ..	6 8 0	Do.	58	
5,045 ,, ..	Pointing exterior black	3 0 0	Do.	151	
4,194 ,, ..	Painting verandah uprights and windows exposed to the weather with three coats, chacolate paint.	2 9 6	Do.	109	
5,615 ,, ..	Staining doors and windows protected by verandah inside building with two coats of wood oil ..	0 15 0	Do.	53	
1,048 ,, ..	Painting with three coats of white lead paint ..	2 10 0	Do.	28	
180 ,, ..	Galvanized iron wire netting ¾″ mesh	0 4 0	Square foot.	45	
20 R. ft. ..	Teakwood railing for dais including fixing and varnishing complete	1 8 0	R. ft.	30	
1,506 lb. ..	Lead sheeting $\frac{3}{32}$″ thick, valley gutters allowing for overlap at joints	0 3 0	lb.	282	
16 R. ft...	Punkahs complete for court	1 8 0	R. ft.	24	
4 No. ..	Cast iron rain water pipe heads for 4″ Dr. pipes.	3 0 0	each.	12	
4 ,, ..	Do. do. offsets 4″ Dr. do.	5 0 0	Do.	20	
4 ,, ..	Do. do. bends 4″ Dr. do.	3 0 0	Do.	12	
101 L. ft. ..	Do. do. pipes 4″ Dr. do.	0 14 0	Lineal foot.	88	
28 No. ..	Perforated iron ventilators on sides of tie beams ..	1 0 0	each.	28	
1 ,, ..	Stone slabs in front gable 3′ × 1½′ × 6″ with date of erection cut into it	15 0 0	Do.	15	
	Contingencies at 5 per cent. ..	..	..	665	13,262
	Petty supervision at 2½ per cent. ..	..	..	333	
					998
	Grand Total of Estimate ..	..	..	..	14,260

NOTE.—Rates according to Madras schedule.

(Signed) G. S. T. HARRIS,
Consulting Architect to Government.

ENCLOSURES.

REPORT and specification to accompany the plan and estimate for revised standard design of Court-house for a Sub-Judge or District Munsif with terraced roof according to drawing signed by the Consulting Architect on 5th March 1895.

Amount of estimate, Rs. 13,080 according to Madras rates.

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

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

Stonework.—Stone slabs should be placed at the bearing of beams. The steps may also be of stone, if procurable without great expense.

Woodwork.—The beams and joists to be of well-seasoned Burma teakwood, or any other durable wood proof against white ants: where sound wooden beams of the sizes required are not available, rolled steel beams may be used; the strength to be calculated according to instructions given in G.O., No. 480 W., dated 1st March 1895.

Doors and windows.—To be of well-seasoned Burma teakwood. All doors opening into verandahs will be one-third panel and two-third venetians; inner doors to be entirely panelled; the windows for the record and property rooms will have single venetianed shutters opening outside with ¾″ square iron bars set diagonally. The ventilators will consist of a glazed shutter to open and shut on side pivots.

Cornice.—In place of the usual cornice, Cuddapah or any other similar slabs resting on brick corbels will be fixed throughout the building. The slabs to be well fitted and the joints neatly pointed with cement.

Roofing.—The roofing to consist of "pucca terracing," care being taken that proper slopes are made towards the weep holes; to be made about 2 feet apart in the parapet wall; the rain water will flow over the slabs and fall clear of the building.

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

Interior and Exterior finishing.—The interior walls will be fine plastered and polished, or plastered and whitewashed. Where good bricks or stone is obtainable, the exterior should be pointed. In damp soil the exterior plinth and walls inside rooms, 3 feet above floor, should be plastered with Portland cement.

Painting.—The roof timbers may be painted three coats light sage green, or stained with wood oil. The doors and windows to be painted with three coats oak paint, the panels and venetians light oak, and the frames, rails and stiles dark oak.

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

11th July 1895.

(Signed) C. C. RAWSON, Lt.-Col., R.E.,
In charge Consulting Architect's Division.

Revised standard design of Court-house for a Sub-Judge or District Munsif.

Estimate Form—Detail Measurements.

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Earthwork—Excavation for foundation.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Court room walls	1	79 0				
Long walls of gumastahs, copyists, head clerk, judge's retiring, vakils and Nazarat establishment rooms	1	241 6				
Cross walls of gumastahs, copyists, head clerk, judge's retiring, vakils and Nazarat establishment rooms	5	13 0				
Record and property room walls	2	53 0				
Front verandah walls	1	176 7				
Rear do.	1	60 7				
Total	..	728 8	3 6	4 6	11,477	..
Dais walls	1	23 0	3 0	2 0	138	..
Front step	1	20 0				
Rear step	1	11 0				
Total	..	31 0	2 6	1 0	78	..
Ramp to property room	1	8 0	6 0	1 0	48	..
Total, Earthwork—Excavation for foundation	..	..	..	..	11,741	11,741
Concrete.						
Walls above	1	728 8	3 6	4 0	10,201	
Dais walls above	1	23 0	3 0	1 6	104	
Front step	1	20 0	2 6	1 0	50	
Rear step	1	11 0	2 6	1 0	28	
Ramp to property room	1	8 0	6 0	1 0	48	
Steps to dais	2	4 0	2 6	1 0	20	
Total, Concrete	..	..	..	..	10,451	10,451

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.
1	2	3	4	5	6	7
Brickwork in foundation and basement.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Court room walls	1	81 0				
Long and cross walls of gumastahs, copyists, head clerk, judge's retiring, vakils and Nazarat establishment rooms including screen walls	1	270 2				
Record and property room walls in rear verandah	2	7 6				
Total	..	366 2	1 6	2 6	1,373	..
Outer walls—Record and property rooms, end walls of gumastahs and Nazarat establishment rooms and front and rear verandahs	1	383 3	1 8½	2 6	1,617	
Dais walls	1	25 0	1 1½	2 6	70	
Steps at front	1	19 0	3 0	0 6	29	
Do. at rear	1	10 0	3 0	0 6	15	
Do. at front	1	17 0	2 0	0 6	17	
Do. at rear	1	8 0	2 0	0 6	8	
Do. at front	1	15 0	1 0	0 6	8	
Do. at rear	1	6 0	1 0	0 6	3	
Ramp to property room	1	8 0	6 0	1 0	48	
Total, Brickwork in foundation and basement	..	..	..	..	..	3,188
Brickwork in superstructure.						
Court room walls	1	102 0	1 6	18 0	2,754	
Front, rear and end walls of main building	1	220 6	1 6	15 0	4,961	
Cross walls in main building	1	75 0	1 1½	15 0	1,266	
Record and property room walls	2	55 0	1 6	12 0	1,980	
Front verandah walls	1	178 7	1 6	12 0	3,215	
Rear verandah walls	1	62 7	1 6	12 0	1,126	
Dais walls	1	25 0	0 9	1 6	28	
Do. steps	2	3 0	2 0	0 9	9	
Binding wall	5	15 0	1 1½	0 6	42	
Do.	2	7 6	1 6	0 6	11	
Total	..	..	..	..	..	15,392
Deductions.						
Outer faces between pilasters of main end walls.	2	14 2	0 4½	13 3	141	..
Do. do. do. of front verandah walls	1	141 5½				
Do. do. do. of rear do.	1	53 4				
Do. do. do. of record-room walls	1	36 7½				
Do. do. do. of property do.	1	28 4½				
Total	..	259 9½	0 4½	10 6	1,023	..
Verandah openings, 6½′ span up to bottom of head	6	6 6				
Do. 6½′ do. do.	6	6 3				
Do. 6½′ do. do.	10	6 1½				
Do. 6½′ do. do.	1	6 1				
Do. 4½′ do. do.	2	4 6				
Total	..	152 10	1 1½	6 6	1,118	..
Verandah openings, 6½′ span above bottom of head	6	6 0				
Do. 6½′ do. do.	6	5 9				
Do. 6½′ do. do.	10	5 7½				
Do. 6½′ do. do.	1	5 7				
Do. 4½′ do. do.	2	4 0				
Total	..	140 4	1 1½	1 6	237	..
Doors including segmental head.						
Doors—Court room	6	4 6	1 6	9 3	375	
Do. Between court and main rooms	2	3 0	1 6	9 3	83	
Do. Main rooms	10	4 0	1 6	8 3	495	
Do. Property room	1	5 6	1 6	8 3	68	
Do. Cross walls	2	4 0	1 1½	8 3	74	

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.
1	2	3	4	5	6	7
Deductions—cont.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Doors including segmental head—*cont.*						
Windows—Court room	2	4 6	1 6	6 3	84	
Recess below windows of court room ..	2	4 6	0 6	3 0	14	
Windows—Main room	8	4 0	1 6	5 3	252	
Do. do. in end walls	2	4 0	1 1½	5 3	47	
Do. Record and property rooms ..	9	2 0	1 1½	5 3	106	
Do. do. do. ..	2	2 0	1 6	5 3	32	
Recessss below window of main rooms ..	8	4 0	0 6	3 0	48	
Ventilators, court rooms	6	3 0	1 6	1 9	47	
Stone slabs under beams	4	2 0	1 6	0 6	6	
Archwork as per details	..	..	..	..	603	
Total, Deductions ..	..	..	..	..	..	4,853
Total, Brickwork in superstructure—less deductions ..	..	..	..	..	..	10,539
Brickwork in parapets, cornices, &c.						
Parapet over court	1	100 6				
Do. over main rooms	1	219 9				
Do. over front verandah	1	177 10				
Do. over rear verandah, record and property rooms	1	156 5½				
Total ..	..	654 6½	1 1½	2 6	1,841	
Cornices under Cuddapah slabs.						
Court room	1	109 6				
Main rooms	1	228 0				
Front verandah	1	182 3				
Rear verandah, record and property rooms ..	1	161 4				
Total ..	..	681 1	0 4½	1 0	255	
Brackets in cornice	67	1 1½	0 4½	1 0	28	
Cornice over doors, windows and ventilators ..	1	230 0	0 3	0 3	14	
Total, Brickwork in parapets, cornices, &c. ..	..	..	..	..	..	2,138
Archwork, Segmental.						
Verandah arches, 6½′ span	6	7 3				
Do. 6¼′ do.	6	7 0				
Do. 6¼′ do.	10	6 9				
Do. 6⅛′ do.	1	6 8				
Do. 4½′ do.	2	5 9				
Over doors in cross walls	2	5 6				
Do. windows in end walls	2	5 6				
Do. do. in record and property rooms ..	9	3 3				
Total ..	..	222 5	1 1½	1 1½	281	
Over doors in court	6	5 9				
Do. in court room	2	4 9				
Do. in main rooms	10	5 6				
Do. in property rooms	1	6 3				
Over windows in court room	2	5 9				
Do. ventilators in court room	6	4 0				
o. windows in main building	8	5 6				
D . do. in record and property rooms ..	2	3 0				
Total ..	..	190 9	1 6	1 1½	322	
Total, Archwork ..	..	..	..	..	..	603
Stonework.						
Stone slabs under beams for court room ..	4	2 0	1 6	0 6	6	
Do. do. for record and property rooms ..	2	2 0	1 6	0 6	3	
Do. do. for do. ..	2	1 6	1 1½	0 6	2	
Do. do. for verandah angle beams ..	8	1 6	1 6	0 6	9	
Total, Stonework ..	..	..	..	..	..	20

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.
1	2	3	4	5	6	7
Earth-filling in basement.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Court room	1	30 0	18 0	1 6	810	
Gumastah's, copyists', head clerk's, judge's retiring, vakils' and Nazarat establishment rooms.	1	99 0	15 0	1 6	2,228	
	1	7 6	8 0	1 6	90	
Dais	2	18 0	16 0	1 6	864	
Record and property rooms	1	160 7				
Front verandah	1	62 7				
Rear do.						
Total ..	..	223 2	7 6	1 6	2,511	
Total, Earth-filling in basement ..	..	..	..	..	..	6,503
Teakwood, wrought and put up.						
Court room, 18′ span—						
Beams	2	21 0	0 10½	1 5	52 0¾	
Joists, centre, bay	13	10 9				
Do. end, bay	26	11 1½				
Total ..	..	429 0	0 3	0 7	62 6¾	
Gumastah's, copyists', head clerk's, judge's retiring, vakils' and Nazarat establishment rooms, 15′ span—						
Joists	70	17 0	0 3½	0 10	289 3	
Record and property rooms, 16′ span—						
Beams	2	18 6	0 10	1 4	41 1⅛	
Joists	48	10 0	0 3	0 6	60 0	
Front verandah—						
Angle beams	4	14 0	0 6	0 7	16 4	
Joists	91	9 0				
Do. angles	8	6 9				
Do. do.	8	5 3				
Do. do.	8	3 9				
Do. do.	8	2 6				
Rear verandah—						
Joists	43	9 0				
Total ..	..	1,352 0	0 3	0 5	140 10	
Total, Teakwood, wrought and put up ..	..	..	..	..	662 1⅝	662
Two-thirds Venetian and one-third Panelled Doors.						
To court room, 4½′ × 9½′ with frames, 5″ × 4″, and iron fittings, &c., complete	6	4 6	..	9 3	250	
To main rooms, front and rear, 4′ × 8′, with frames, 5″ × 4″, and iron fittings, &c., complete	9	4 0	..	8 0	288	
Total, Venetian and Panelled doors S. ft. ..	..	..	..	..	..	538
Panelled Doors.						
To record and main rooms—doors, 4′ × 8′, with frames, 5″ × 4″, and iron fittings, &c., complete	3	4 0	..	8 0	96	
Doors between court and main room, 3′ × 9′, with frames, 5″ × 3½″, and iron fittings, &c., complete—single shutters	2	3 0	..	9 0	54	
Total, Panelled doors S. ft. ..	..	..	..	..	..	150
Batten Doors.						
To property room, 5½′ × 8′, with frames, 5″ × 4″, strong iron straps and iron fittings, &c., complete	1	5 6	..	8 0	44	
Tatal, Batten doors S. ft. ..	..	..	..	..	..	44
Venetian Windows.						
To court room, 4⅓′ × 6′, with frames, 5″ × 4″, and iron fittings, &c., complete	2	4 6	..	6 0	54	
To main rooms, 4′ × 5′, with frames, 5″ × 3″, and iron fittings, &c., complete	10	4 0	..	5 0	200	
Total, venetian windows S. ft. ..	..	..	..	..	..	254

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.
1	2	3	4	5	6	7
Iron-barred Venetian Windows.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
To record and property rooms, 2′ × 5′, with frames, 6″ × 3″, iron bars and necessary iron fittings, &c., complete	11	2 0	..	5 0	110	
Total, Venetian windows with iron bars S. ft. ..	..	..	..	..	..	110
Ventilators with glazed shutters moving on side pivots.						
To court room, 3′ × 1½′, with frames 4″ × 3″, and iron fittings, &c., complete	6	3 0	..	1 6	27	
Total, Ventilators with glazed shutters, &c. S. ft. ..	..	..	..	..	..	27
Cuddapah slabs, cornice.						
Court room	1	108 0				
Main rooms	1	226 6				
Record and property rooms and rear verandah ..	1	160 7				
Front verandah	1	181 7				
Total ..	..	676 8	3 0	..	2,030	
Total, Cuddapah slabs, cornice S. ft. ..	..	..	..	..	..	2,030
Terrace Roofing.						
Court room	1	31 0	19 0	..	589	
Gumastah's room	1	27 7½				
Copyists' do.	1	14 6				
Head clerk's do.	1	13 3				
Judge's retiring room	1	11 9				
Vakils' room	1	19 0				
Nazarat establishment room	1	17 0				
Total ..	..	103 1½	16 0	..	1,650	
Record and property rooms	2	19 0	17 0	..	646	
Rear verandah	1	63 7				
Front do.	1	161 6½				
Total ..	..	225 1½	8 6	..	1,914	..
Total, Terrace roofing, S. ft. ..	..	..	..	..	..	4,799
Flooring with Cuddapah slabs on a 4″ bed of concrete.						
Court room	1	30 0	18 0	..	540	
Gumastah's, copyists', head clerk's, judge's retiring, vakils' and Nazarat establishment rooms..	1	97 1½	15 0	..	1,457	
Record and property rooms	2	18 0	16 0		576	
Rear verandah	1	62 7				
Front do.	1	160 7				
Total ..	..	223 2	7 6	..	1,674	
Door pieces of court and head clerk's rooms ..	7	4 6				
Do. of property room	1	5 6				
Do. between court and head clerk's room.	2	3 0				
Do. of main room	6	4 0				
Total ..	..	67 0	1 6	..	101	
Door pieces of cross walls	2	4 0	1 1½		9	
Window pieces in court room	2	4 6	0 6	..	5	
Do. in main rooms	11	4 0	0 6	..	22	
Verandah openings, 6′ 6″ span	6	6 6				
Do. 6′ 3″ do.	6	6 3				
Do. 6′ 1½″ do.	10	6 1½				
Do. 6′ 1″ do.	1	6 1				
Do. 4′ 6″ do.	2	4 6				
Total ..	..	152 10	1 6	..	229	
Total, Flooring with Cuddapah slabs on a 4″ bed of concrete, S. ft. ..	..	..	..	..	..	4,613

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.
1	2	3	4	5	6	7
Plastering, Interior.		FT. IN.	FT. IN.	FT. IN.		
Court room	1	96 0	..	17 8	1,656	
Gumastas' room	1	83 3				
Copyists' do.	1	57 0				
Head clerk's do.	1	54 6				
Judge's retiring room	1	51 6				
Vakils' room	1	66 0				
Nazarat establishment room	1	62 0				
Total ..	..	374 3	..	14 3	5,333	
Record and property rooms	2	68 0	..	11 3	1,530	
Door jambs and soffits of court room	6	23 0				
Do. do. do.	2	21 6				
Do. do. of front and rear verandahs	10	20 6				
Do. do. of property room ..	1	22 0				
Total ..	..	544 0	1 1	..	589	
Door jambs and soffits in cross walls	2	20 6	0 8½		29	
Window jambs and soffits	2	17 0	1 1		37	
Do. cills	2	4 6	0 7		5	
Do. sides of recess	2 × 2	..	0 7	3 0	7	
Do. do.	2 × 8	..	0 6	3 0	24	
Do. sides, soffits and cills	8	18 6	1 1	..	160	
Do. do. do.	2	18 6	0 8½		26	
Do. do. do.	9	14 6	0 7½		82	
Do. do. do.	2	14 6	1 0		29	
Do. do. do.	6	9 6	1 2	..	67	
Ventilators, sides, soffits and cills	1	17 6	..	1 6	26	
Sides of dais	4	2 0	..	0 6	4	
Ends of steps in dais						
Total, square feet ..	..	..	..	..	9,604	
Deductions.						
Doors in court room	6	4 6	..	9 3	250	
Do. between court room and head clerk's room.	2 × 2	3 0	..	9 3	111	
Do. in main rooms and in cross walls ..	14	4 0	..	8 3	462	
Do. in property room	1	5 6	..	8 3	45	
Windows in court room	2	4 6	..	6 3	56	
Do. in main room	10	4 0	..	5 3	210	
Do. in record and property rooms ..	11	2 0	..	5 3	116	
Ventilators	6	3 0	..	1 9	32	
Total, Deductions, square feet ..	..	..	..	..	1,282	
Net Total, Plastering, interior, less deductions, square feet	..	..	..	..	..	8,322
Pointing, Exterior.						
Plinth	1	388 0	..	2 2½	857	
Steps, sides	4	6 0	..	0 6	12	
Front verandah, interior	1	336 2	..			
Rear do. do.	1	140 2	..			
Total ..	..	476 4	..	11 3	5,359	
Front verandah, exterior	1	204 1	..	..	..	
Record and property rooms and rear verandah, exterior	1	177 1	..	..	..	
Total ..	..	381 2	..	10 10½	4,145	
Front and rear verandahs, record and property rooms and parapet walls above, exterior ..	1	342 2	..	4 0	1,369	
End walls of gumastas, and Nazarat establishment rooms, exterior	2	26 11	..	13 7½	734	
End walls of gumastas, and parapet wall above, exterior	2	23 2	..	4 3	197	
Main building, front and rear, above verandah terrace and parapet walls, exterior	1	174 2	..	5 6	958	
Spaces above end walls of verandahs, record and property rooms	4	1 6	..	3 0	18	

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.
1	2	3	4	5	6	7
Pointing, Exterior—cont.		FT. IN.	FT. IN.	FT. IN.		
Court room walls above verandah terrace, exterior	1	84 0	..	6 0	504	
Court room walls above terrace of head clerk's room	1	21 0	..	3 0	63	
Parapet walls of court room, exterior	1	108 0	..	..	..	
Do. of main room, interior	1	214 6	..	..	..	
Do. of court room, do.	1	96 0	..	..	..	
Do. of rear verandah, record and property rooms, interior ..	1	154 7	..	..	..	
Do. of front verandah, interior ..	1	175 7	..	..	..	
Total ..	..	748 8	..	2 6	1,872	
Top of parapet walls, rear verandah	1	154 7	..	..	..	
Do. front verandah	1	177 10	..	..	..	
Do. main rooms	1	219 0	..	..	..	
Do. court room	1	100 6	..	..	..	
Total ..	..	651 11	1 1½	..	733	
Sides and soffits of arch ways, 6′ 6″ span ..	6	22 0	..	..	..	
Do. do. 6′ 3″ do. ..	6	21 9	..	..	..	
Do. do. 6′ 1½″ do. ..	10	21 7½	..	..	..	
Do. do. 6′ 1″ do. ..	1	21 7	..	..	..	
Do. do. 4′ 6″ do. ..	2	20 0	..	..	..	
Total ..	..	540 4	1 1½	..	608	
Total, Pointing Exterior ..	..	..	..	..	17,429	
Deductions.						
Verandah openings, 6′ 6″ span up to head ..	2 × 6	6 6	..	..	..	
Do. 6′ 3″ do. ..	2 × 6	6 3	..	..	..	
Do. 6′ 1½″ do. ..	2 × 10	6 1½	..	..	..	
Do. 6′ 1″ do. ..	2 × 1	6 1	..	..	..	
Do. 4′ 6″ do. ..	2 × 2	4 6	..	..	..	
Total ..	..	305 8	..	6 6	1,987	
Verandah openings, 6′ 6″ span above head ..	2 × 6	6 0	..	..	..	
Do. 6′ 3″ do. ..	2 × 6	5 9	..	..	..	
Do. 6′ 1½″ do. ..	2 × 10	5 7½	..	..	..	
Do. 6′ 1″ do. ..	2 × 1	5 7	..	..	..	
Do. 4′ 6″ do. ..	2 × 2	4 0	..	..	..	
Total ..	..	280 8	..	1 6	421	
Doors, including segmental head—						
In court room	6	4 6	..	9 3	250	
In main room	9	4 0	..	..	..	
In property room	1	5 6	..	..	..	
Total ..	..	68 6	..	8 3	565	
Windows, including segmental head—						
In court room	2	4 6	..	6 3	56	
In main room	10	4 0	..	..	..	
In record and property rooms	11	2 0	..	..	..	
Total ..	..	62 0	..	5 3	326	
Ventilators	6	3 0	..	1 9	32	
Total, Deductions, square feet ..	..	..	..	..	3,637	
Net Total, Pointing, exterior, less deductions, square feet	..	..	..	..	..	13,792
Painting Doors and Windows with three coats of Oak paint.						
Two-third venetian and ⅓ panel doors—						
To court room	3½ × 6	4 6	..	9 0	790	
To main room, front and rear	3½ × 9	4 0	..	8 0	936	
Panel doors to court room	2½ × 2	3 0	..	9 0	122	
Do. to record and copyists' room ..	2¼ × 3	4 0	..	8 0	216	

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.
1	2	3	4	5	6	7
Painting Doors and Windows with three coats of Oak paint—cont.		FT. IN.	FT. IN.	FT. IN.		
Batten doors to property room	2¼ × 1	5 6	..	8 0	99	
Venetian windows to court room	3½ × 2	4 6	..	6 0	189	
Do. to main rooms	3½ × 10	4 0	..	5 0	700	
Do. to record and property rooms.	3½ × 11	2 0	..	5 0	385	
Ventilators to court room	6	3 0	..	1 6	27	
Total, Painting doors and windows with 3 coats of Oak paint, square feet	..	..	..	..	..	3,464
Wood-oiling Roof timbers.						
Court room—						
Beams	2	21 0	4 7	..	193	
Joists, centre, bay	13	10 9	..	..	..	
Do. end, bay	26	11 1½	..	..	..	
Total ..	..	429 0	1 8	..	715	
Main rooms—						
Joists	70	17 0	2 3	..	2,678	
Record and property rooms—						
Beams	2	18 6	4 4	..	160	
Joists	48	10 0	1 6	..	720	
Front verandah—						
Angle beams	4	14 0	2 2	..	121	
Front and rear verandahs—						
Joists	..	1,352 0	1 4	..	1,803	
Total, Wood-oil painting, square feet ..	..	..	..	..	..	6,390
Dais railing.						
Dais railing, R. feet	..	20 0	..	..	..	20
Punkahs.						
Court room	1	10 0	..	..	10 0	
Private room	1	6 0	..	..	6 0	
Total, punkahs, R. feet ..	..	..	..	..	..	16

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
		RS. A. P.		RS.	RS.
11,741 c. ft. ..	Excavation for foundation	4 10 0	1,000 c. ft.	54	
10,451 ,, ..	Concrete in foundations with broken clinker bricks	14 0 0	100 ,,	1,463	
3,188 ,, ..	Brick-work in foundations and basement with stock bricks	20 0 0	100 ,,	637	
10,539 ,, ..	Brick-work in superstructure with stock bricks ..	22 0 0	100 ,,	2,319	
2,138 ,, ..	Brick-work in parapets, cornices, &c.	24 0 0	100 ,,	513	
603 ,, ..	Archwork	25 0 0	100 ,,	151	
20 ,, ..	Stone slabs dressed under beams	2 0 0	Cubic foot.	40	
6,503 ,, ..	Earth filling in basement	3 0 0	1,000 c. ft.	20	
662 ,, ..	Teakwood wrought and put up	3 8 0	Cubic foot.	2,317	
538 s. ft. ..	Two-third venetian and one-third panel doors with iron fittings, &c., complete	1 0 0	Square foot.	538	
150 ,, ..	Panel doors with iron fittings	0 14 0	Do.	131	
44 ,, ..	Batten doors with iron fittings	0 12 6	Do.	34	
254 ,, ..	Venetian windows with iron fittings	1 0 0	Do.	254	
110 ,, ..	Venetian windows with iron bars and iron fittings.	1 4 0	Do.	138	
27 ,, ..	Ventilators with glazed shutters and iron fittings.	0 11 0	Do.	19	
2,030 ,, ..	Cuddapah slabs for cornices including fixing, complete	25 0 0	100 sq. ft.	508	

Estimate Form—Abstract—*cont.*

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
		RS. A. P.		RS.	RS.
4,799 S. ft. ..	Terrace roofing with brick on edge 3″ concrete and 3 courses of flat tiles plastered and polished on top and ceiling	25 0 0	100 sq. ft.	1,200	
4,613 „ ..	Flooring with Cuddapah slabs 2″ thick on a 4″ bed of concrete pointed with tar and asphalte ..	22 0 0	100 „	1,015	
8,322 „ ..	Plastering interior with chunam, 2 coats, polished.	2 8 0	100 „	208	
13,792 „ ..	Pointing exterior black with tar and asphalte ..	3 0 0	100 „	414	
3,464 „ ..	Painting doors and windows with 3 coats Oak paint.	2 5 0	100 „	80	
6,390 „ ..	Wood-oiling roof timbers, 3 coats	0 15 0	100 „	60	
20 L. ft. ..	Wooden railing for dais including fixing and varnishing, complete	1 8 0	Lineal foot.	30	
16 „ ..	Punkahs, complete, including wheel, &c. ..	1 8 0	Do.	24	
					12,167
	Petty supervision ..	2 8 0	Cent.	..	305
	Contingencies ..	5 0 0	Do.	..	608
	Grand Total of estimate ..	..	..	..	13,080

NOTE.—The rates affixed are according to Madras Schedule of rates.

CHEPAUK,
12th July 1895.

(Signed) C. C. RAWSON, Lt.-Col., R.E.,
In charge, Consulting Architect's Division.

ORDER—No. 748 W., dated 15th March 1897.

The revised type designs, with descriptive specifications and schedules of quantities for District Munsifs' Court-houses with terraced and tiled roofing, will be circulated to officers of the department in supersession of previous designs.

2. The explanatory statement submitted by the Consulting Architect with his endorsement No. 5256, dated 25th February 1897, disposes of the points raised in G.O., No. 203, Judicial, dated 6th February 1897.

(True Extract.)

Under Secretary to Government.

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

Ex'd. C. M. Thumbuswamy.

Revise type design for District Munsifs' Court buildings

No. 748 Wks dt. 15.3.97

DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Memo.
Judicial Dept. No. 1925 dated 23.9.96
From the C.A. to Govt. No. 3857 — dt. — 26.10.96
— — — — — — No. 4179 — dt. — 17.11.96
Memo. in the P.W. Dept. — No. 1436 — dt. — 11.1.97
Proc. Judicial Dept. — No. 203 — dt. — 6.2.97
From the C.A. to Govt. — No. 5256 — dt. — 25.2.97

Paint. with 2 coats of Snowcem as an alternative to oil paint. Plain tiles also allowed.

The revised type designs, with descriptive specification and schedules of quantities, for District Munsifs' Court-houses with terraced and tiled roofing, will be circulated to officers of the Department in supersession of previous designs.

2. The explanatory statement submitted by the Consulting Architect with his endorsement No. dated 25th Feby 1897 disposes of the points raised

A4H 12.3.97

The Chief Secretary, for favour of communication.

W. 40.
000—16-1-97.

Rec. No 2103 for 1897

Feby 1897.

Curd 5:3:97. 6/3/97

AE 9/3/97

Draft 9/3/97.

(Plans returned
To
Will you arrange please
about letter forwarding the
plans. Rec
13/3/97

To T—
B—

To Supdg—Engr—
CA. Officer—
Asst—Draftsman— 20/6/97

BACK PAPERS. MUTILATED PAPERS.

Public Works (1897) Department.

CURRENT No. 2103

Order 8.

From

The Consulting Architect
to the Government
of Madras

No. 5256

Dated 25th February 1897

Received 26-2-97

Enclosures 1 file 7 papers 15 (+4 Plans)

Spare copies

SUBJECT.

Submitting an statement explaining cause of difference in estimate items of Tenancy & Jail designs for District Munsiffs Court houses.

BACK PAPERS.

G.O.	No.	Department.	Date.
	1077c	Jud.	23-2-97
	1446	"	11-1-97
	143c	"	11-1-97
	3502C	"	3-10-96
	2569N	"	4-9-96
	4985	"	20-6-96
	2476c	"	6-6-96
	1791N	"	17-6-96
	2555N	"	18-10-95
	~~to be returned from Despatch~~		
	~~Despatched~~		

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Public Works (1897) Department.

CURRENT No. 1508

cd. 131 within

6

CONSULTING ARCHITECT TO THE GOVERNMENT OF MADRAS. 3977 24 FEB. 97

From

No. 1077 C of 23rd Feby 1897 The Judicial Dept

Order on.

J. C. A.

for favour

Q No. 203.

remarks.

20/2/97

W

Contd 20.2.97

Dated 6th February 1897.

Received 11.2.97

Registered 11.2.97

Enclosures 12 13 (+4 Plans)

Spare copies

I

B P K S 23/2/97

Dp. 5256 J: 25.2.97

To W.

Statement explaining cause of difference in certain items of Terraced & Tiled design herewith forwarded

C. A to Govt

SUBJECT.

Approving with the remarks the revised plans and Estimate for Constructing Dt Munsif Court houses with terraced roofs.

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

E. No. 12

CIRCLE— 9

DIVISION—

DISTRICT—

ESTIMATE FORM.—Comparative Statement of Differences.

To accompany the Revised Estimate

No. of 189 -9 , for *

* Here enter the Name and Description of work in full.

Terraced and Tiled designs.

ESTIMATE FORM.—Comparative Statement of Differences. for certain Items in

Description of Work.	Original Estimate. Terraced design			Revised Estimate. Tiled design			More.	Less.	Explanation of Difference.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.			
1	2	3	4	5	6	7	8	9	10
	C ft	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	
Excavation for foundation	11741	4·10·0	54	12015	4·10·0	56	2		Excess in foundations is due to the
Concrete do	10467	4·0·0	1163	10647	4·0·0	1491	28		plinth in the tiled design being
Brickwork do	3188	20·0·0	637	3560	20·0·0	712	75		made half a brick thicker than
									the wall above and the concrete bed
									correspondingly thicker. The foun-
									dations in type plans are merely
									assumed, the actual depths & widths
									required should be decided accord-
									ing to the nature of the soil
									where the building is to be erected.
Plastering interior with Chunam	Sq ft 8322	2·8·0	208	10067	2·8·0	252	44		Area of wall space greater in tiled than terraced design — Ceiling plastering in terraced building is always included in cost of terraced roof.
Flooring with Cuddapah Slabs	4613	22·0·0	1015	5056	22·0·0	1112	97		Less quantity in terraced design owing to larger sectional area of brick piers in Verandah, the tiled design having timber uprights of small section.
Venetian windows with frames	254	1·0·0	254	297	1·0·0	297	43		Excess due to an additional window in Vehicle room and a window in place of door in Cofyjeto room.
Venetian windows with glass shutters & iron bars	110	1·4·0	138	117	1·4·0	146	8		Excess due to size of window in tiled design being 1/4 ft higher than those provided for terraced design.
Do without glass shutters				20	1·0·0	20	20		
Ventilators with glazed Shutters	27	0·11·0	19	168	0·11·0	116	97		Excess due to a greater number of Ventilators provided in tiled design; these are great hooms. — The correction was not made in this Office.
Batten door	44	0·12·6	34	44	0·17·6	36			

12 15

STATION Chepauk 3 4 3 3 4 3 3 3

Dated 25 February 189 7

5,000—16-5-95.

Lui Davis

~~Executive Engineer.~~

Consulting architect to Govt

C.A 37 960—6-5-95.

12

REPORT and specification to accompany the plan and estimate for Revised Standard design of Court house for Sub Judge or District Munsif with tiled roof according to drawing signed by the Consulting architect to Govt dated 16th November/96

Amount of Estimate, Rs. 11,274/-

Reference.—

REPORT.

General Specification

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

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

Stonework Stone slabs should be placed at the bearings of the trusses and stones under verandah posts with mortice holes 2"×2"×2" deep into which the posts will be tenoned. The steps may also be of stone, if procurable without great expense.

The trusses, Verandah posts, fascia and barge boards should be of Burmah teak, the purlins, rafters and ceiling joists and other minor roof supports may be of approved country wood, proof against white ants. Wood work

To be of well seasoned Burmah teak wood and supplied with approved Iron hinges, bolts & holding down hooks. The Ventilators will have glazed shutters to open & shut on side pivots. Doors & Windows

The roof will be covered with mangalore tiles on teak purlins 2"x1". All valleys should be protected with $\frac{3}{32}$ lead sheet or 17 zinc sheets 12 or 16 B.W.G. The interior of rooms to be ceiled with matched 5" teak planking $\frac{3}{4}$" thick tongued and grooved & screwed to 4"x2½" joists 2 screws to each plank. The joists will be secured to the tie beams with iron knees $\frac{3}{16}$" thick. Where the ceiling joists have to span a greater distance than 10 feet as in the Gymnasium, Head Clerk's & Copyists rooms, they will be suspended to the rafters by battens 2"x1". at about intervals of every 3 rafters the battens will be secured Roofing

secured to the rafters with iron knees $\frac{3}{32}$" thick and screws and simply screwed to the joists. On each side of the tie beam and about 9" inches from wall Ventilators will be provided cut out of thin sheet iron painted light grey and pinned over round holes in the ceiling.

Flooring The floor will consist of Cuddapah slabs about 2" thick laid in mortar on a 4" bed of concrete and neatly pointed with asphalte. If Cuddapah slabs are not easily procurable, the floor may be paved with square bricks, in which case the record and property rooms should be floored with asphalte. Where the soil is damp the filling in below floors should be of river sand. The floors of Verandahs will be laid with a fall outwards of about 3/4" inch to 10 feet.

1" in 4 ft in terraced roofing

Interior and Exterior finishing:- The walls inside rooms will be fine plastered and polished or plastered and whitewashed. Where good bricks or Stone are obtainable, the Exterior should be pointed

painted, black painting for brick work with a composition of asphalte tar and sand neatly executed is preferable, as it shows the brick work to advantage and is very durable. A damp-proof course of asphalte ½" thick should be laid.

The roof timbers concealed by ceiling need not be painted. The Verandah uprights and rafters and windows exposed to the weather should be primed and then painted with 2 Coats Chocolate paint. Doors and Windows protected by Verandahs and inside building and ceiling to be wood-oiled 3 Coats. Barge boards & Eave boards painted 3 Coats white lead paint.

Painting

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

C. Irwin

Consulting Architect to Govt.

Standard Design of Court house for Sub Judge & District Munsif with Mangalore Tiled roofing. 12

S. 129.
5,000-6-5-01.

ESTIMATE FORM.—Detail Measurements

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Earth work-Excavation for foundation						
Court walls 3 Sides		78-6				
Head Clerks to Nazarat Establishment Outer walls		24-6				
Property and Record room walls 3 Sides	2	52-6				
		425	0 4	0 4	6 7650	
Gymnastahe & rooms partitions	5	12-6				
Verandah front		178-3				
Do Rear		62-3				
		203	0 3	0 4-6	4091	
Dais walls		21-9	2-0	1-0	44	
Steps	2	15-6				
Do	2	9-6				
		50	0 2	6 1-6	188	
Ramp to Property room		8-0	7-0	0 9	42	
		Total Cubft.			12015	
					(11,741 in Estimate sq ft)	
Concrete						
Court walls 3 Sides		78-6				
Head Clerk to Nazarat Establishment Outer walls		24-6				
Property and Record room walls 3 Sides	2	52-6				
		425	0 4	0 4	6800	
Carried Over					6800	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					6800	
Gymnastic store room						
partitions	5	12·6				
Verandah front		178·2				
Do rear		62·3				
		303-03	04·0		3636	
Dais walls		21·9	2·01	0	44	
Steps	2	15·6				
Do	2	9·6				
		50-02	6	1·0	125	
Ramp to Property room	1	8-07·00		7	42	
		Total Cubic ft.				10,647
Brickwork in foundations and basement.						(10451 in Temp)
Court walls 3 sides		80·7½				
Head clerks to Magazine						
Establishment Outer walls		241·6				
Property & Record room walls 3 sides.	2/5	54·7½				
		431·4½	1·10½	2·6	2022	
Gymnastic store rooms partitions	5	16·7½				
Verandah front		130·4½				
Do rear		64·4½				
		217·10½	1·6	2·6	1172	
Dais walls.		23·10½	1·1½	2·6	67	
Steps	2	15·6				
Do	2	9·6	3·0	1·0	150	
		Carried Over			3431	

15

E 120.
5,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					3431	
Steps	2	13·6	2·0	0·6	42	
do	2	7·6				
do	2	11·6	1·0	0·6	17	
do	2	5·6				
Ramp	1	7·0	8-01·3		70	
		Total Cubic ft.				3560
						(3188 in T-B)
Brickwork in Superstructure						
Court walls 3 sides		81-01	6	15-3	1853	
do Gables.	2	21·0	1·6	2·7½	165	
Head Clerk to Magazine						
Establishment Outer walls		241·6	1·6	15·6	5615	
do Red Gable.	2	18-01	6	2·4½	128	
do partitions	5	15-01	1·1½	15·6	1308	
do Gables.	5	18·0	1·1½	2·4½	240	
Property and Record room walls 3	2	55-01	6	15·6	2558	
do Gables	4	19·0	1·6	2·4½	271	
Dais walls		24·3	1·1½	1·6	41	
Corbelling for wall plates		230·6	0·5	0·10½	84	12263
Deductions						
Doors in Court	6	4·6	1·6	8·0	320	
Windows do	2	4·6	1·6	5·0	68	
do recesses in do	2	4·6	0·9	3·0	20	
Ventilators in Sides	6	3·0	1·6	2·4	63	
Head Clerk to Magazine						
Establishment Doors	9	4·0	1·6	7·0	432	
Do	2	4·0	1·1½	3·0	70	
		Carried Over			979	12263

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					979	12263
Doors	2	3—0	1·6	8—	72	
Windows	12	4·0	1·6	5·3	278	
do reeessed	12	4·0	0·9	2·9	99	
Ventilators	18	3·0	1·6	2·4	189	
Door for Property room	1	5·6	1·6	8—	66	
Windows for do & Record Do	9	2—0	1·6	6—	162	
Do Do	2	2—0	1·6	5—	30	
Archwork as per details					356	
						2331
			Total	Cub ft		9932
Archwork Segmental						
Over Court Doors & windows	8	5—9	1·6	1·1½	263	
Over Hd Clerks room do	21	5·3	1·6	1·1½		
do do partitions	25	3—3	1·1½	1·1½	13	
Over Single Shutter doors in Gymnastahs & retiring rooms	2	4—0	1·6	1·1½		
Over door in Property room	1	6·9	1·6	1·1½	80	
Over windows in record and property rooms	11	3—0	1·6	1·1½		
			Total	Cub ft	356	
Stone work						
Under Iron beamings	14	2—0	1·6	0·6	21	
do Verandah posts	40	1·1½	1·1½	0·6	25	
			Total	Cft	46	

E. 120.
50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Earth filling in basement.						
Court rooms	1	29·7½	17·7½	1·6	522	
From Head clerks to Bazaar & Establishment rooms	1	94·10½	14·7½	1·6	2081	
Record and Property rooms	2	17·7½	15·7½	1·6	826	
Verandah front	1	162·9	7·3¾	1·6	2491	
Do rear	1	64·4½	7·3¾	1·6		
			Total	Cub ft	5904	
Teak wood in trusses brought and put up.						
Two trusses for Court room to span 18 ft. — Tie beams	2	21·0	4·0	7½	9	
Principal rafters	4	10·9	4·0	6½	8	
Struts	4	5·0	4·0	4	2	
Block at Head	2	1·3	0·3	0·6	1	
Two trusses for Record & Property rooms span 66 ft. — Tie beams	2	19·0	4·0	6½	7	
Principal rafters	4	10·3	0·4	0·5½	6	
Struts	4	4·9	0·4	0·4	2	
Block at Head	2	1·3	0·3	0·6	1	
Two trusses for Vakils & Nazir at rooms to span 15 ft. — Tie beams	2	18—0	4·0	6½	7	
Principal rafters	4	9·6	0·4	0·5½	6	
Struts	4	4·6	0·4	0·4	2	
Block at Head	2	1·3	0·3	0·6	1	
One truss for gymnastahs room to span 15 feet — Tie beam	1	18·0	0·4	0·6½	3	
Principal rafters	2	9·6	0·4	0·5½	3	
Struts	2	4·6	0·4	0·4	1	
Block at Head	1	1·3	0·3	0·6	1	
			Total	Cub feet	60	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Teak wood in purlins rafters						
Verandah posts &c.						
Court purlins	2	10·3				
Do	2	13·9	0·4	0·6	13	
Do	2	14·9				
Court room wall purlins	2	10·3				
Do	2	11·9	0·4	0·5	10	
Do	2	13·9				
Ridge	1	10·3				
Do	1	13·9	0·3	0 6½	6	
Do	1	19·0				
Rafters	26	13·3				
Do Jack	2	11·3				
Do do	2	8·0	0·2½	0·4	28	
Do do	2	5·0				
Do do	2	2·0				
Eave boards	2	32	0·3½	0·7	2	
Barge boards	2	11·4½	0·1	0·8	1	
Do at ends	4	2·0	0·1	1·4	1	
Between barge boards	1	1·3	0·1	1·0	1	
Cover boards	2	13·3	0·1	0·5	1	
Record & Property rooms.						
Purlins	4	13·0	0·4	0·6	18	
Do	4	14·0				
Wall purlins	4	22·6	0·4	0·6	13	
Ridge	2	13·0	0·3	0·6	8	
do	2	18·0				
Carried Over c/f					102	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forwards					102	
Valley purlins	4	16·6	0·3	0·6	8	
Gutter boards	4	16·6	1·3	0·1	7	
Purlins to support Do	4	16·6	0·2	0·½	1	
Rafters	32	12·3				
Do Jack	2X2	11·9	0·2½	0·3½	29	
Do Do	2X2	8·9				
Do Do	2X2	5·9				
Do Do	2X2	3·0	0·2½	0·3½	2	
Eave boards	2X2	19·6	0·3¼	0·1	3	
Barge Do	2X2	10·3	0·1	0·8	2	
Do Do at ends	2X4	2·0	0·1	1·4	2	
Between barge boards	2	1·3	0·1	1·0	1	
Cover boards	4	12·3	0·1	0·5	2	
Shelves	2	16·0	1·6	0·1¼	5	
Do brackets	10	2·9	0·2	0·3	1	
Head Clerk's room						
Purlins	2	16·10½	0·4	0·8	8	
Wall do	2	16·10½	0·4	0·5	5	
Ridge	1	16·10½	0·3	0·6½	2	
Copyists room Purlins	2	15·9	0·4	0·8	7	
Wall do	2	15·9	0·4	0·5	4	
Ridge	1	15·9	0·3	0·6½	2	
Gumastahs room Purlins	4	14·6	0·4	0·8	13	
Wall do	4	14·6	0·4	0·5	8	
Ridge	2	14·6	0·3	0·6½	4	
Carried Over c/f					218	

E. 120.
50,000—6-3-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					218	
Judges Retiring room Purlins	2	13·0	0·4	0·6	4	
Wall do	2	13·0	0·4	0·5	4	
Ridge	1	13·0	0·3	0·6	2	
Vakils room Purlins	4	10·3	0·4	0·6	7	
Wall do	4	10·3	0·4	0·5	6	
Ridge	2	10·3	0·	0·6	3	
Nazarat Establishment room Purlins	2	20·7½	0·4	0·6	7	
Wall do	2	20·7½	0·4	0·5	6	
Ridge	1	20·7½	0·3	0·6	3	
Head clerks to Nazarat Establishment room Rafters	62	11·9	0·2½	0·3½	44	
Jack rafters at end rooms	4	11·3				
Do	4	8·3				
Do	4	5·3				
Do	4	2·6				
Jack rafters over Gumashtahs Nazarat Establishment rooms	2	10·3	1·2½	0·3½	10	
Do	2	7·3				
Do	2	5·3				
Do	2	2·3				
Eave boards	1	176·6	0·3/4	0·7	5	
Barge boards	4	9·9	0·1	0·8	2	
Do at ends	8	2·0	0·1	1·4	1	
Between barge boards	2	1·3	0·1	1·0	1	
Cover boards	4	11·9	0·1	0·6	2	
Carried Over					326	

18

E. 120.
50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					326	
Valley rafters between Court and Rear rooms	2	16·3	0·3	0·6	4	
Gutter boards	2	16·3	1·3	0·1	3	
Rafters to Support Do	2	16·3	0·2	0·½	1	
Verandah posts	40	7·3	0·5	0·5	50	
Brackets	40	1·3	0·5	0·5	9	
Check pieces	80	1·3	0·5	0·1½	5	
Base pieces	160	0·8	0·1½	0·6	7	
Bressummers		257	0·5	0·5	44	
Wall plates		234	0·4	0·3	20	
Rafters	81	10·6	0·3	0·5	89	
Jack rafters total length		162	0·3	0·5	17	
Hip & Valley rafters	4	16·3	0·3	0·6	8	
Gutter boards	2	16·3	1·3	0·1	3	
Rafters to Support Do	2	16·3	0·2	0·½	1	
Irons at Ends of Verandah to Secure boarding	2	10·0	0·3	0·4	2	
Boarding	2	10·0	0·1	2·6	4	
Eave boards	1	255·0	0·3/4	0·7	9	
Ceiling joists to Court room.						
Centre bays	7	9·8				
End bays	14	10·6				
Property & Record rooms	24	9·7				
Head Clerks room	6	14·3				
Copyists room	6	15·0				
Gumashtahs room	12	14·0				
		788·2				
Carried Over					602	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward		7882			602	
Judges Retiring room	6	12-3				
Vahicle room	12	9 6				
Sergeant Establishments room	6	7 0				
2° 2°.	6	9·10½				
		1076-11½	0·2½	0·1	75	
Ceiling Joist Suspenders	16	5-1½				
	16	3·4½				
	16	1·9				
		164	0·2	0·1	2	
Filling pieces over Ventilators	18	4·0	0·4	0·2	4	
		Total Cub ft.			683	

Wrought Iron work.

For two 18 ft trusses.

			per lb.	
1" D° King rods.	2	6·5	=12·10 ×2·62	34
1" Hex nut & bolt heads	2		=2·0×1·10	2
3" D° ⅛" thick washers	6		=6·0×0·32	2
2"×⅜" Heel Straps	4	2·9	=11·0 ×	
2"×⅜" Bearing plates	4	0·6	=2·0 } ×2·50	33
⅝" Hex nuts for do	8		=8·0×0·26	2
Caps of ⅜" plate 6" wide	2	1·6	=3·0×5·01	15
For two 16 ft Trusses.				
⅞" D° King rods.	2	6·3	=12·6×2·01	25
⅞" Hex nut & bolt heads	2		=2·0×0·73	1
3" D° ⅛" thick washers	6		=6·×0·32	2
2"×⅜" Heel Straps.	4	2·6	=10· }	
2"×⅜" bearing plates.	4	0·6	=2· } 1·50	30
		Carried Over		146

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50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					146	
⅝" Hex nuts for do.	8		=8·0×0·26		2	
Caps of ⅜" plates 6" wide	2	1·6	=3·0×5·01		15	
For two 15 feet Trusses.						
⅞" D° King rods	2	6·0	=12·0×2·01		24	
⅞" D° Hex nuts & bolt head	2		=2·0×0·73		1	
3" D° ⅛" thick washers	6		=6·0×0·32		2	
2"×⅜" Heel Straps	4	2·3	=9·0 }			
2"×⅜" Bearing plates	4	0·6	=2·0 }	2·50	28	
⅝" Hex nut for do	8		=8·0×0·26		2	
Caps of ⅜" plate 6" wide	2	1·6	=3·0×5·01		15	
For one 15 ft Trusses for Gymnastic rooms.						
1" King rod	1	6·0	=6·0×2·62		16	
1" Hex nuts & bolt heads	1		=1·0×1·10		1	
3" D° 1⅛" thick washers	3		=3·0×0·32		1	
2"×⅜" Heel Straps	2	2·4½	=4·9 }			
2"×⅜" bearing plates	2	0·6	=1·0 }	2·50	14	
⅝" Hex nut for do.	4		=4·0×0·26		1	
Caps of ⅜" plate 6" wide	1	1·6	=1·6×5·01		8	
For Verandah wall plates						
1½"×⅜" Straps of about 5 ft apart	48	2·6	=120×1·87		224	
Knees to fasten ceiling Joists to tie beams 3/32" thick						
For Court room	28	6"×4"×3/16"	×·26		91	
For other rooms	50					
Knees to fasten Suspenders to rafters 3/32" thick.						
In Head clerks Office & Gymnastic rooms	48	6"×4"×3/16"	×·26		28	
		Total lbs			619	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Venetian & panel doors with						
Iron hinges fastenings complete.						
Court room 4½×8 with frames 5×3½ 5×3	6	4·6 3·11		8·0 7·6	216 174	Taken in accordance with appendix G Standard specification
Head clerk's & 4×8 with frames 5×3"	8	4·0 3·6		8·0 7·6	256 210	
				Total Sq ft	384	472
Panelled doors with Iron hinges & fastenings complete.						
4'×8' with frames 5"×3" in partition walls.	3	4·0 4·6		8·0 7·6	96 77	
Sides of dais with single						
Shutter 3'×8' with frames 4" 5"×3"	2	3·0 2·6		8·0 7·6	48 38	
				Total Sq ft	117	144
Batten doors						
For Property room 6'-6"×8' with frames 5"×4" Strong iron						
Straps hinges, hooks hasps						
Staple complete.	1	5·6 4·10		8·0 7·4	44 36	44 35 Sq ft
Venetian windows						
Court room 4½×5 with frames 5"×3"	2	4·6 4·0		8·0 4·6	45 36	
Gymnastic & room 4×5¼ with frames 6"×3"	12	4·0 3·6		5·0 4·9	25·2 20·0	49
				Total Sq ft	236	297
Venetian windows with fluss above with 1" Dº iron bars, Iron hinges and fastenings complete.						
For Record & Property room 2'×6½ with frames 6"×3"	9	2·0 1·6		6·6 6·0	117 87	117 Sq ft 87 11
Dº Dº without fluss head.	2	2·0 1·6		5·6 5·0	11 8	11 Sq ft 20 Sq ft

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ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Ventilators with glazed shutters moving on side pivots.						
Court room sides 3'×2'4" with frames 4"×3"	6	3·0 2·6		2·4 1·10	42 28	
Head clerk's & rooms 3'×2'-4"	18	3·0 2·6		2·4 1·10	126 83	
				Total Sq ft	111	168
Roofing with Mangalore Tiles including 2"×1" teak battens & wind tie complete.						
Court	2	37·3		13·3	987	
Record and Property rooms	2	225·3		12·6	1263	
Head Clerk's to Nazarat						
Establishment rooms Front	2	49·0				
do do Rear	1	72·9				
do do do ends	2	7·6				
		185·9		12	2229	
Verandah front	1	168·3				
do rear	1	64·9				
		233·0		11·6	2680	
				Total Sq ft	7159	
Ceiling boards ¾" thick tongued and grooved.						
For Court room	1	30·0	18·0		540	
" Head clerk's room	1	12·3				
" Copyists room	1	13·6				
Carried over		25·9			540	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward.		25·9			540.	
Gumashahs room	1	26·7½				
Judges retiring room	1	10·9				
Vakils room	1	18·0				
Nazarat Establishment room	1	16·0				
		97·1½	15·—		1457	
Record and Property rooms	2	18·0	16·0		576	
			Total	Sq ft		2573.
Flooring with Cuddapah Slabs 2" thick on a 4" bed of concrete.						
Court	1	30·0	18·—		540	
Record and Property rooms	2	18·0	16·0		576	
Front Head clerk to Nazarat Establishment rooms.	1	97·1½	15·—		1457	
Front Verandah	1	165·9				
Rear do	1	64·9	9·0		2075	
Door pieces	6	4·6	1·6		41	
Do	9	4·0	1·6		54	
Do	2	4·0	1·1½		9	
Do	2	3·0	1·6		9	
Do	1	5·6	1·6		8	
Window pieces	2	4·6	0·9		7	
Do	12	4·0	0·9		36	
Steps	2	16·0	3·6		112	
Do	2	10·0	3·6		70	
Ramp	1	7·6	8·3		62	
			Total	Sq ft		5066.

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E. 12a.
5,000—6-5-97.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Damp proof course with ½" thick asphalte						
Court walls 3 Sides		80·7½				
Head Clerks to Nazarat Establishment Outer walls		241·6				
Property & record room walls 3 Sides	2	54·7½				
		431·4½	1·10½		809	
Partition walls.	5	14·7½				
Verandah front		180·4½				
Do rear		65·4½				
		317·10½	1·6		477	
Dais walls		23·10½	1·1½		27	
			Total	Sq ft		1313.
Plastering interior						
Court	1	96·—	15·9		1512	
Gables	3	18·—	2·1½		115	
Record & Property rooms	2	68·0	15·9		2142	
do Gables	6	16·—	2·1½		204	
Head Clerk & rooms		374·3	16·0		5988	
do Gables	12	15·—	2·1½		383	
Dais		27·—	1·6		41	
Door Jambs & Soffits	6	20·6	1·0		123	
Do	9	20·—	1·0		180	
Do	2	20·—	0·7½		25	
Do	2	19·—	1·0		38	
Do	1	21·6	1·0		22	
Carried Over					10773	

ESTIMATE FORM.--Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					10773	
Window jambs & soffits	2	14.6		1.0	29	
Do	12	14.6		1.0	174	
Do Cells sills	2	4.6		0.9	7	
Do	12	4.0		0.9	36	
Do Jambs of recesses	28	0.9		2.9	58	
Ventilators jambs & cells sills	6	7.7		1.2	64	
Do Do	18	7.8		1.2	161	
Iron barred Windows	9	17.0		1.0	153	
Do Do	2	14.0		1.0	28	11473
Deductions.						
Doorways	6	4.6		8-0	216	
Do	14	4-0		8-0	448	
Do	4	3-0		8-0	96	
Do	1	5.6		8-0	44	
Windows	2	4.6		5-0	45	
Do	12	4.0		5-3	252	
Do	9	2-0		6.6	117	
Do	2	2-0		5-0	20	
Ventilators	6	3-0		2.4	42	
Do	18	3.0		2.4	126	1406
			Total Sq ft.			10067
Plastering with Portland Cement 1/2" thick						
Plinth all round	1	388-0		2.3	892	
Sides of Steps		48-0		0.6	24	
do Ramps		7.0		1.6	11	897
			Total Sq ft.			9065

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ESTIMATE FORM.--Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Painting Interior Woodwork						
Coved.	1	84-0		15-3	1281	
Do Gables	1	21.0		2-6	53	
Other rooms	1	304.6		15-3	4644	
Gables	2	19-0		2.6	95	
Do	2	18-0		2.6	90	
						6163
Deductions						
Doorways	6	4.6		8-0	216	
Do	8	4-0		8-0	256	
Do	1	5.6		8-0	44	
Windows	2	4.6		5-0	45	
Do	12	4.0		5-3	252	
Do	9	2-0		6.6	117	
Do	2	2-0		5-0	20	
Ventilators	6	3.0		2.4	42	
Do	18	3.0		2.4	126	
						1118
			Total Sq ft.			5045
Painting Verandah uprights and windows exposed to the weather with 3 coats Chocolate paint.						
Coved purlins	2	2-0		1.8	7	
do Wall purlins	2	2-0		1.6	6	
				Carried Over	13	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forwards					13	
Court Ridge	1	2—		1·7	3	
do Rafters	2	13·3		1·1	29	
do do at Eaves	2#	1·9		1·1	46	
Record and Property room						
Purlins	4	2—		1·8	13	
Wall do	4	2—		1·6	12	
Ridge	2	2—		1·6	6	
Valley Rafters	4	2—		1·6	12	
Gutter boards	4	2—		2·8	21	
Rearers to support Do	4	2—		0·5	3	
Rafters at gable ends	4	12·3		1·0	49	
do at Eaves	32	1·9		1·0	56	
Head Clerks room purlins	2	2—		2—	8	
Wall purlins	2	2—		1·6	6	
Ridge	1	2—		1·7	3	
Nazarat Establishment room Purlins	2	2—		1·8	7	
Wall purlins	2	2—		1·6	6	
Ridge	1	2—		1·6	3	
Rafters at gable ends of Head Clerk Nazarat Establishment rooms	4	11·9		1·0	47	
				C.C.	343	

E. 120.
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ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					343	
Rafters at Eaves	58	1·6		1·0	87	
Valley rafters at Do between Court & rear rooms	2	2—0		1·6	6	
Gutter boards	2	2—0		2·8	11	
Rearers to support Do	2	2—0		0·5	2	
Verandah Posts	40	6·6		1·8	433	
Brackets	40	1·3		1·8	83	
Check pieces sides	160	1·3		0 1½	25	
Base pieces	160	8—0		0·6	640	
Bressummers	1	251—0		1·8	418	
Wall plates	4	234—0		1·2	273	
Rafters	81	11·3		1·4	1215	
Jack rafters		162—0		1·4	216	
Hip and Valley rafters	4	16·3		1·6	98	
Gutter boards	2	16·3		2·8	87	
Rearers to support do	2	16·3		0·5	14	
Pieces at ends of Verandah to secure boarding	2	10—0		1·2	23	
Boarding	2#	2 10—0		2·6	100	
Venetian windows at Head clerk & Nazarat Establishment rooms	3½	2 4·6		5—0	158	
Venetian windows with vision lines	4	9 2—0		6·6	468	
Do Do	4	2 2—0		5—0	80	4194
				Total Square ft	4780	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Staining ~~Painting~~ Doors and windows protected by Verandah inside building ~~with oil~~ with 2 coats of wood oil.						
Venetian & Panelled Doors	3 1/2 x 6	4·6		8—0	702	
do do	3 1/4 x 8	4·0		8—0	832	
Panelled Doors	2 1/4 x 3	4·0		8·0	216	
do	2 1/4 x 2	3—0		8—0	108	
Batten doors	2 1/4 x 1	5·6		8—0	99	
Venetian windows	3 1/2 x 2	4·6		5—0	158	
do	3 1/2 x 10	4—0		5·3	735	
Ventilators glazed Shutters	6	3—0		2·4	42	
do do	18	3—0		2·4	126	
Sides of filling pieces over Ventilators	2 x 18	4—0		0·2	24	
Ceiling boards Court room	1	30—0	18—0		540	
do Head Clerks room	1	12·3				
Copyists room	1	13·6				
Gamaskaka room	1	26·11 1/2				
Judges retiring room	1	10·9				
Pakils room	1	18—0				
Nazyarat Establishment room	1	16—0				
		97·11 1/2	15—0		1457	
Record & Property rooms	2	18—0	16—0		576	
				Total Sqre feet	5615.	

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50,000—6-5-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Painting with 3 coats of white lead paint.						
Court Rooms Jane boards	2	32—0		1·2 3/4	79	
Barge boards	2	11·4 1/2		1·6	32	
30 at Ends	4	2·0		2·8	21	
Between barge boards	1	1·3		2·0	3	
Cover boards	2	13·3		0·11	24	
Record and Property rooms						
Jane boards	2x2	19·6		1·2 3/4	96	
Barge boards	2x2	10·3		1·5	68	
" at Ends	2x4	2—0		2·8	43	
Between barge boards	2	1·3		2·0	5	
Cover boards	4	12·3		0·11	45	
Head Clerks to Nazarat Establishment room						
Jane boards	1	147·9		1·2 3/4	182	
Barge boards	1	17·4		1·2 3/4	217	
" at Ends	4	9·9		1·5	55	
Between barge boards	8	2—0		2·8	43	
Cover boards	2	1·3		2—0	5	
Verandah Jane boards	4	11·9		0·11	43	
	1	255—0		1·2 3/4	314	
				Total Sqre ft	1085	
					1048	
Galvanized Iron wire netting 3/4" mesh to be nailed in Spaces between open ceiling & rafters behind Ventilators						
Behind Ventilators	24	3·9		2·0	180	
				Total Sqre ft	180	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Teak wood Railing for Dais including fixing & Varnishing Complete.					20	20 Sq ft.
Lead Sheeting 3 lbs thick						
Valley gutters allowing for over lapping at Joints						
Gymnastaho room leading to Verandah roof	2	18-6				
Over Head clerks & Nazarat Establishment rooms	2	18-6				
do do leading to rear Verandah.	2	18-6				
Front Verandahs.	2	18-6				
				1"	1.10 × 5-6	1506
					Total ft.	1,506
Pantahs Complete for Court					16	Rft
Cast Iron Rain water pipes.						
Heads for 4" Dr pipe	4				4	Nos
Offsets 4" Dr do	4				4	"
Bends 4" Dr do	4				4	"
Pipes 4" Dr.						
Front.	2	× 11 1/4	= 23 1/2			
	2	× 11 3/4	= 23 1/2			
Rear.	2	× 12 3/4	= 25 1/2			
	2	× 11 3/4	= 23 1/2			
					Total Lineal ft	101

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Imported Sheet Iron Ventilators on sides of two beams					28	Nos
Stone Slab in Sprinkable 3 × 1½ × 6 with date cut in it.					1	No

E. 170.
6,000—6-6-95.

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	2	3	4	5	6	7

ESTIMATE FORM.—Abstract.

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Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
12,015 c/ft.	Excavation for foundation	1-10-0	c/ft 1000	56	
10,647 "	Concrete	14-0-0	100 c/ft	1491	
3,560 "	Brick work in foundation & basement with Stock bricks	20 c/ft	"	712	
9,932 "	Brick work in superstructure with do	22-0-0	"	2185	
356 "	Arch work Segmental	25-0-0	"	89	
46 "	Stone work	2-0-0	c/ft	92	
5920 5,904 "	Earth filling in basement	3-0-0	c/ft 1000	18	
60 "	Teak wood in trusses wrought, framed & put up	3-12-0	c/ft	225	
683 "	Do in purlins rafters and Verandah posts &c	3-8-0	"	2387 2291	
619 lbs	Wrought Iron work	0-3-0	lbs	116	
384 s/ft 472	Teakwood Venitian panel doors with iron hinges fastenings complete 4½×8 with frames 5×8	1-0-0	s/ft	472	
47 " 144	Do panelled doors with Iron hinges fastenings complete 4×8 with frames 5×8	1-4-0 @ 14-0	"	194 126	
35 " 44	Batten doors 5½×8 with frames 3"×4" Strong iron Strap hinges hooks hasps Staples Complete	0-12-6 1-0-0	"	34 39	34?
	Carried Over &c.			8044	8044

Grand Total of Estimate ..

STATION _____

Date _____ 189

30,000—15-5-95.

Executive Engineer.

(E. No. 123.)

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

27

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Brought forward.			80114	
236 sft.	Venetian Windows 4½ x 5 with frames 5" x 3"	1-4-0	sft.	295	
84 "	do. do. with glass shaue with 1" do. iron bars, iron hinges fastenings complete	1-4-0	"	146	
14 "	Do. Do. without glass heads	1-8-0	"	21	
111 "	Ventilators with glazed shutters moving on side pivots	1-0-0	"	111	
7169 "	Roofing with mangalore tiles including 2" x 1" teak rafters and wind ties complete	15-0-0	sq.	1289	
2573 "	Ceiling boards ¾" thick tongued and grooved.	33-0	"	849	
5056 "	Flooring with Cuddapah slabs 2" thick on a 4" bed of concrete.	22-0	"	1112	
1313 "	Damp-proof course with ½" thick asphalt.	17-0	"	223	
19067 "	Plastering interior with Chunam 2 coats polished	2-8-0	"	252	
908 "	Plastering with Portland Cement ½" thick	3-4-0	"	59	
5045 "	Painting Exterior black	3-0-0	"	151	
	Carried Over			12578	

Grand Total of Estimate ..

STATION—

Date—189 .

Executive Engineer.

(E. No. 123.)

5,000—6-1-96.

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

28

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Brought forward.			12578	
4780 Sft. 4194	Painting Verandah uprights and windows exposed to the weather with 3 coats chocolate paint	2·96	100 Sft	103	
5615 " 5615	Staining doors and windows protected by Verandah inside building ~~oiling~~ with 2 coats of wood oil.	0·15	"	53	
1083 " 1048.	Painting with 3 coats of white lead ~~colour~~ paint	2·10	"	28	
180 "	Galvanized Iron wire netting 3/4" mesh mesh	0·4	Sft	45	
20 Rft	Teak wood railing for deck including fixing & Varnishing Complete	1·8	Rft	30	
1506 lbs	Lead Sheeting 3/32" thick Valley gutters allowing for overlap at joints	0·3	lb	282	
16 Rft.	Punkah complete for Court	1·8	Rft	24	
4 No	Cast Iron Rain water pipe Heads for 4" Dr. pipe	3·—	Each	12	
4 "	do do Offsets 4" Dr. do	5·—	"	20	
	Carried Over			13135 13114	

Grand Total of Estimate ..

STATION——————

Date——————189 .

Executive Engineer.

(E. No. 123.)

60,000–6-1-96.

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Brought forward.			131.14 / 12135	
4 Nos.	Cast Iron Bends 4" Dr pipes	3-00	Each	12	
101 Lft.	do do Pipes 4" Dr.	0-14-	Lft.	88	
28 Nos.	Perforated Iron Ventilators on sides of tie beams.	1-0-	Each	28	
1 No.	Stone Slabs in front gable 3'×1½×6" with date of erection cut into it.	15-00		15	
					13262 / 13275
	Contingencies @ 5%			664	665
	Petty Supervision @ 2½%			332	333
					998 / 998

Note. Rates according to Madras Schedule

Grand Total of Estimate .. 14260

STATION———

Date———189 .

Executive Engineer.

Consulting architects to Govt

(E. No. 123.)

1000—6-1-96.

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—Standard design of Court house for Sub Judge or District Munsif with bungalow tiled roofing.

Amount of Estimate, Rs.—14,274

To be carried out by—

REFERENCES.

38

Annexure to G.O. No. 179 W., dated 17th January 1896.

REPORT and specification to accompany the plan and estimate for revised standard design of Court-house for a Sub-Judge or District Munsif with terraced roof according to drawing signed by the Consulting Architect on 5th March 1895.

13070

Amount of estimate, Rs. 12,840 according to Madras rates.

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

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

Stonework.—Stone slabs should be placed at the bearing of beams. The steps may also be of stone, if procurable without great expense.

Woodwork.—The beams and joists to be of well seasoned Burma teakwood, or any other durable wood proof against white ants: where sound wooden beams of the sizes required are not available, rolled steel beams may be used; the strength to be calculated according to instructions given in G.O. No. 480 W., dated 1st March 1895.

Doors and windows.—To be of well seasoned Burma teakwood. All doors opening into verandahs will be one-third panel and two-third venetians; inner doors to be entirely panelled; the windows for the record and property rooms will have single venetianed shutters opening outside with ¾" square iron bars set diagonally. The ventilators will consist of a glazed shutter to open and shut on side pivots.

Cornice.—In place of the usual cornice, Cuddapah or any other similar slabs resting on brick corbels will be fixed throughout the building. The slabs to be well fitted and the joints neatly pointed with cement.

Roofing.—The roofing to consist of "pucca terracing," care being taken that proper slopes are made towards the weep holes; to be made about 2 feet apart in the parapet wall; the rain water will flow over the slabs and fall clear of the building.

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

Interior and Exterior finishing.—The interior walls will be fine plastered and polished, or plastered and whitewashed. Where good bricks or stone is obtainable, the exterior should be pointed. In damp soil the exterior plinth and walls inside rooms, 3 feet above floor, should be plastered with Portland cement.

Painting.—The roof timbers may be painted three coats light sage green, or stained with wood oil. The doors and windows to be painted with three coats oak paint, the panels and venetians light oak, and the frames, rails and stiles dark oak.

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

11th July 1895.

(Signed) C. C. RAWSON, Lt.-Col., R.E.,
In charge Consulting Architect's Division.

Revised standard design of Court-house for a Sub-Judge or District Munsif.

Estimate Form—Detail Measurements.

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Earthwork—Excavation for foundation.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Court room walls	1	79 0				
Long walls of gumastahs, copyists, head clerk, Judge's retiring, vakils and Nazarat establishment rooms	1	241 6				
Cross walls of gumastahs, copyists, head clerk, Judge's retiring, vakils and Nazarat establishment rooms	5	13 0				
Record and property room walls	2	53 0				
Front verandah walls	1	176 7				
Rear do. do.	1	60 7				
Total ..	..	728 8	3 6	4 6	11,477	..
Dais walls	1	23 0	3 0	2 0	138	
Front step	1	20 0				
Rear step	1	11 0				
Total ..	..	31 0	2 6	1 0	78	..
Ramp to property room	1	8 0	6 0	1 0	48	..
Total, Earthwork—Excavation for foundation	..	..	..	..	11,741	11,741
Concrete.						
Walls above	1	728 8	3 6	4 0	10,201	
Dais walls above	1	23 0	3 0	1 6	104	
Front step	1	20 0	2 6	1 0	50	
Rear step	1	11 0	2 6	1 0	28	
Ramp to property room	1	8 0	6 0	1 0	48	
Steps to dais	2	4 0	2 6	1 0	20	
Total, Concrete ..	..	..	..	..	10,451	10,451
Brickwork in foundation and basement.						
Court room walls	1	81 0				
Long and cross walls of gumastahs, copyists, head clerk, Judge's retiring, vakils and Nazarat establishment rooms including screen walls	1	270 2				
Record and property room walls in rear verandah	2	7 6				
Total ..	..	366 2	1 6	2 6	1,373	..
Outer walls—Record and property rooms, end walls of gumastahs and Nazarat establishment rooms and front and rear verandahs	1	383 3	1 8½	2 6	1,617	
Dais walls	1	25 0	1 1½	2 6	70	
Steps at front	1	19 0	3 0	0 6	29	
Do. at rear	1	10 0	3 0	0 6	15	
Do. at front	1	17 0	2 0	0 6	17	
Do. at rear	1	8 0	2 0	0 6	8	
Do. at front	1	15 0	1 0	0 6	8	
Do. at rear	1	6 0	1 0	0 6	3	
Ramp to property room	1	8 0	6 0	1 0	48	
Total, Brickwork in foundation and basement ..	..	..	..	..	3,188	
Brickwork in superstructure.						
Court room walls	1	102 0	1 6	18 0	2,754	
Front, rear and end walls of main building	1	220 6	1 6	15 0	4,961	
Cross walls in main building	1	75 0	1 1½	15 0	1,266	
Record and property room walls	2	55 0	1 6	12 0	1,980	
Front verandah walls	1	178 7	1 6	12 0	3,215	
Rear verandah walls	1	62 7	1 6	12 0	1,126	
Dais walls	1	25 0	0 9	1 6	28	
Do. steps	2	3 0	2 0	0 9	9	
Binding wall	5	15 0	1 1½	0 6	42	
Do.	2	7 6	1 6	0 6	11	
Total ..	..	..	..	..	15,392	..

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.
1	2	3	4	5	6	7
Deductions.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Outer faces between pilasters of main end walls.	2	14 2	0 4½	13 3	141	
Do. do. do. of front verandah walls ..	1	141 5½				
Do. do. do. of rear do. ..	1	53 4				
Do. do. do. of record-room walls ..	1	36 7½				
Do. do. do. of property do. ..	1	28 4½				
Total ..	..	259 9½	0 4½	10 6	1,023	..
Verandah openings, 6½′ span up to bottom of head.	6	6 6				
Do. 6¼ do. do. ..	6	6 3				
Do. 6⅛ do. do. ..	10	6 1½				
Do. 6⅛ do. do. ..	1	6 1				
Do. 4½ do. do. ..	2	4 6				
Total ..	..	152 10	1 1½	6 6	1,118	..
Verandah openings, 6½′ span above bottom of head	6	6 0				
Do. 6¼ do. do. ..	6	5 9				
Do. 6⅛ do. do. ..	10	5 7½				
Do. 6⅛ do. do. ..	1	5 7				
Do. 4½ do. do. ..	2	4 0				
Total ..	..	140 4	1 1½	1 6	237	..
Doors including segmental head.						
Doors—Court room	6	4 6	1 6	9 3	375	
Do. Between court and main rooms ..	2	3 0	1 6	9 3	83	
~~Do. Head clerk's room .. .. ..~~	~~1~~	~~4 6~~	~~1 6~~	~~8 9~~	~~66~~	
Do. Main rooms	~~6~~ 10	4 0	1 6	8 3	~~297~~ 495	
Do. Property room	1	5 6	1 6	8 3	68	
Do. Cross walls	2	4 0	1 1½	8 3	74	
Windows—Court room	2	4 6	1 6	6 3	~~84~~	
Recess below windows of court room	2	4 6	0 6	3 0	14	
Windows—Main room	~~8~~ 11	4 0	1 6	5 3	~~347~~ 252	
Do. Do. in end walls	2	4 0	1 1½	5 3	47	
Do. Record and property rooms ..	9	2 0	1 1½	5 3	106	
Do. Do. do. ..	2	2 0	1 6	5 3	32	
Recesses below window of main rooms ..	~~8~~ 11	4 0	0 6	3 0	~~66~~ 88	
Ventilators court room	~~6~~ 8	3 0	1 6	1 9	~~63~~ 84	
Stoneslabs under beams	4	2 0	1 6	0 6	6	
Archwork as per details	..	..	..	..	~~617~~ 822	
Total, Deductions ..	..	..	..	..	4,854	
Total, Brickwork in superstructure—less deductions ..	..	..	..	..	..	10,538
Brickwork in parapets, cornices, &c.						
Parapet over court	1	100 6				
Do. over main rooms	1	219 9				
Do. over front verandah	1	177 10				
Do. over rear verandah, record and property rooms	1	156 5½				
Total ..	..	654 6½	1 1½	2 6	1,841	..
Cornices under Cuddapah slabs.						
Court room	1	109 6				
Main rooms	1	228 0				
Front verandah	1	182 3				
Rear verandah, record and property rooms ..	1	161 4				
Total ..	..	681 1	0 4½	1 0	255	..
Brackets in cornice	67	1 1½	0 4½	1 0	28	
Cornice over doors, windows and ventilators ..	1	230 0	0 3	0 3	14	
Total, Brickwork in parapets, cornices, &c. ..	..	..	..	..	..	2,138

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.
1	2	3	4	5	6	7
Archwork, Segmental.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Verandah arches, 6½′ span	6	7 3				
Do. 6½′ do.	6	7 0				
Do. 6½′ do.	10	6 9				
Do. 6½′ do.	1	6 8				
Do. 4½′ do.	2	5 9				
Over doors in cross walls	2	5 6				
Do. windows in end walls	2	5 6				
Do. do. in record and property rooms	9	3 3				
Total	..	222 5	1 1½	1 1½	281	
Over doors in court ~~and head clerk rooms~~	~~6 7~~	5 9				
Do. in court room	2	4 9				
Do. in main rooms	~~10 6~~	5 6				
Do. in property rooms	1	6 3				
Over windows in court room	2	5 9				
Do. ventilators in court room	~~6 8~~	4 0				
Do. windows in main building	~~8 11~~	5 6				
Do. do. in record and property rooms	2	3 0				
Total	..	~~199 0~~	1 6	1 1½	~~336~~ 322	
Total, Archwork	..	..	..	..	..	~~617~~ 603
Stonework.						
Stone slabs under beams for court room	4	2 0	1 6	0 6	6	
Do. do. for record and property rooms	2	2 0	1 6	0 6	3	
Do. do. do.	2	1 6	1 1½	0 6	2	
Do. do. for verandah angle beams	8	1 6	1 6	0 6	9	
Total, Stonework	..	..	..	..	..	20
Earth filling in basement.						
Court room	1	30 0	18 0	1 6	810	
Gumastahs, copyists, head clerk, Judge's retiring, vakils and Nazarat establishment rooms	1	99 0	15 0	1 6	2,228	
Dais	1	7 6	8 0	1 6	90	
Record and property rooms	2	18 0	16 0	1 6	864	
Front verandah	1	160 7				
Rear do.	1	62 7				
Total	..	223 2	7 6	1 6	2,511	
Total, Earth filling in basement	..	..	..	..	..	6,503
Teakwood, wrought and put up.						
Court room, 18′ span—						
Beams	2	21 0	0 10½	1 5	52 0¾	
Joists, centre, bay	13	10 9				
Do. end, bay	26	11 1½				
Total	..	429 0	0 3	0 7	62 6¾	
Gumastahs, copyists, head clerk, Judge's retiring, vakils and Nazarat establishment rooms, 15′ span—						
Joists	70	17 0	0 3½	0 10	289 3	
Record and property rooms, 16′ span—						
Beams	2	18 6	0 10	1 4	41 1⅓	
Joists	48	10 0	0 3	0 6	60 0	
Front verandah—						
Angle beams	4	14 0	0 6	0 7	16 4	
Joists	91	9 0				
Do. angles	8	6 9				
Do. do.	8	5 3				
Do. do.	8	3 9				
Do. do.	8	2 6				
Rear verandah—						
Joists	43	9 0				
Total	..	1,352 0	0 3	0 5	140 10	
Total, Teakwood, wrought and put up	..	..	..	..	662 1⅔	662

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.
1	2	3	4	5	6	7
Two-thirds Venetian and one-third Panelled Doors.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
To court room, 4½′ × 9′, with frames, 5″ × 4″, and iron fittings, &c., complete	6	~~4 6~~ ~~8 10~~	..	~~9 3~~ ~~8 4~~	~~250~~ ~~192~~	
To head clerk's room, 4½′ × 8′, with frames, 5″ × 4″, and iron fittings, &c., complete	~~1~~	~~8 10~~	..	~~7 4~~	~~28~~	
To main rooms, front and rear, 4′ × 8′, with frames, 5″ × 4″, and iron fittings, &c., complete	~~9 5~~	~~4 0~~ ~~3 4~~	..	~~8 0~~ ~~7 4~~	~~288~~ ~~122~~	
Total, Venetian and Panelled doors S. ft.	..	..	..	..	..	~~538~~ ~~342~~
Panelled Doors.						
To record and inner rooms—doors, 4′ × 8′, with frames, 5″ × 4″, and iron fittings, &c., complete.	3	~~4 0~~ ~~3 4~~	..	~~8 0~~ ~~7 4~~	~~96~~ ~~73~~	
Doors between court and head clerk's room, 3′ × 9′, with frames, 5″ × 3¼″, and iron fittings, &c., complete—single shutters	2	~~3 0~~ ~~2 5½~~	..	~~9 0~~ ~~8 5½~~	~~54~~ ~~42~~	
Total, Panelled doors S. ft.	..	..	..	..	..	~~150~~ ~~115~~
Batten Doors.						
To property room, 5½′ × 8′, with frames, 5″ × 4″, strong iron straps and iron fittings, &c., complete	1	~~5 6~~ ~~4 10~~	..	~~8 0~~ ~~7 4~~	~~44~~ ~~35~~	
Total, Batten doors S. ft.	..	..	..	..	..	~~44~~ ~~35~~
Venetian Windows.						
To court room, 4½′ × 6′, with frames, 5″ × 4″, and iron fittings, &c., complete	2	~~4 6~~ ~~3 10~~	..	~~6 0~~ ~~5 4~~	~~54~~ ~~41~~	
To main rooms, 4′ × 5′, with frames, 5″ × 3″, and iron fittings, &c., complete	~~10 13~~	~~4 0~~ ~~3 6~~	..	~~5 0~~ ~~4 6~~	~~200~~ ~~205~~	
Total, Venetian windows S ft.	..	..	..	..	..	~~254~~ ~~246~~
Iron-barred Venetian Windows.						
To record and property rooms, 2′ × 5′, with frames, 6″ × 3″, iron bars and necessary iron fittings, &c., complete	11	~~2 0~~ ~~1 6~~	..	~~5 0~~ ~~4 6~~	~~110~~ ~~74~~	
Total, Venetian windows with iron bars S. ft.	..	..	..	..	..	~~110~~ ~~74~~
Ventilators with glazed shutters moving on side pivots.						
To court room, 3′ × 1½′, with frames, 4″ × 3″, and iron fittings, &c., complete	~~6 8~~	~~3 0~~ ~~2 6~~	..	~~1 6~~ ~~1 0~~	~~27~~ 20	
Total, Ventilators with glazed shutters, &c. S. ft.	..	..	..	..	..	~~27~~ 20
NOTE.—Doors and windows taken out in accordance with Appendix G., Standard specification.						
Cuddapah slabs, cornice.						
Court room	1	108 0				
Main rooms	1	226 6				
Record and property rooms and rear verandah	1	160 7				
Front verandah	1	181 7				
Total	..	676 8	3 0	..	2,030	
Total Cuddapah slabs, cornice S. ft.	..	..	..	..	..	2,030
Terrace Roofing.						
Court room	1	31 0	19 0	..	589	
Gumastah's room	1	27 7½				
Copyists do.	1	14 6				
Head clerk's do.	1	13 3				
Judge's retiring room	1	11 9				

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.
1	2	3	4	5	6	7
Terrace Roofing—cont.		FT. IN.	FT. IN.	FT. IN.		
Vakil's room	1	19 0				
Nazarat establishment room	1	17 0				
Total ..	..	103 1½	16 0	..	1,650	
Record and property rooms	2	19 0	17 0	..	646	
Rear verandah	1	63 7				
Front do.	1	161 6½				
Total ..	..	225 1½	8 6	..	1,914	..
Total, Terrace roofing, square feet ..	..	..	..	..	..	4,799
Flooring with Cuddapah slabs on a 4″ bed of concrete.						
Court room	1	30 0	18 0	..	540	
Gumastas', copyists', head clerk's, judge's retiring, vakils' and Nazarat establishment rooms..	1	97 1½	15 0	..	1,457	
Record and property rooms	2	18 0	16 0		576	
Rear verandah	1	62 7				
Front do.	1	160 7				
Total ..	..	223 2	7 6	..	1,674	
Door pieces of court and head clerk's rooms ..	7	4 6				
Do. of property room	1	5 6				
Do. between court and head clerk's room.	2	3 0				
Do. of main room	6	4 0				
Total ..	..	67 0	1 6	..	101	
Door pieces of cross walls	2	4 0	1 1½	..	6	
Total ..	..	152 10	1 6	..	229	
Total, Flooring with Cuddapah slabs on a 4″ bed of concrete, square feet ..	..	..	..	..	..	4,613
Plastering, Interior.						
Court room	1	96 0	..	17 3	1,656	
Gumastas' room	1	83 3				
Copyists' do.	1	57 0				
Head clerk's do.	1	54 6				
Judge's retiring room	1	51 6				
Vakils' room	1	66 0				
Nazarat establishment room	1	62 0				
Total ..	..	374 3	..	14 3	5,333	
Record and property rooms	2	68 0	..	11 3	1,530	
Door jambs and soffits of court room	6	23 0				
Do. do. do.	2	21 6				
~~Do. do. of head clerk's room~~ ..	~~1~~	~~21 0~~				
Do. do. of front and rear verandahs	10 ~~6~~	20 6				
Do. do. of property room ..	1	22 0				
Total ..	..	~~347~~ 589	1 1	..	~~376~~	
Door jambs and soffits in cross walls	2	20 6	0 8½		29	
Window jambs and soffits	2	17 0	1 1		37	
Do. cills	2	4 6	0 7		5	
Do. sides of recess	2 × 2	..	0 7	3 0	7	
Do. do.	2 × ~~11~~ 8	..	0 6	3 0	~~33~~ 24	
Do. sides, soffits and cills	~~11~~ 8	18 6	1 1	..	~~220~~ 160	
Do. do. do.	2	18 6	0 8½		26	
Do. do. do.	9	14 6	0 7½		82	
Do. do. do.	2	14 6	1 0		29	

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.
1	2	3	4	5	6	7
Plastering, Interior—cont.		FT. IN.	FT. IN.	FT. IN.		
Ventilators, sides, soffits and cills	~~6~~ 8	9 6	1 2	..	~~89~~ 67	
Sides of dais	1	17 6	..	1 6	26	
Ends of steps in dais	4	2 0	..	0 6	4	
Total, square feet ..	..	..	..	..	~~9,482~~ 9507	
Deductions.						
Doors in court room	6	4 6	..	9 3	250	
Do. between court room and head clerk's room	2 × 2	3 0	..	9 3	111	
~~Do. in head clerk's room~~	~~1~~	~~4 6~~	..	~~8 3~~	~~37~~	
Do. in main rooms and in cross walls ..	14 ~~11~~	4 0	..	8 3	~~368~~ 462	
Do. in property room	1	5 6	..	8 3	45	
Windows in court room	2	4 6	..	6 3	56	
Do. in main room	10 ~~13~~	4 0	..	5 3	~~273~~ 210	
Do. in record and property rooms ..	11	2 0	..	5 3	116	
Ventilators	6 ~~8~~	3 0	..	1 9	~~42~~ 32	
Total, Deductions, square feet ..	..	..	..	.	~~1,293~~ 1252	
Net Total, Plastering, interior, less deductions, square feet	..	..	..	..	..	~~8,189~~ 8322
Pointing, Exterior.						
Plinth	1	388 0	..	2 2½	857	
Steps, sides	4	6 0	..	0 6	12	
Front verandah, interior	1	336 2	..			
Rear do. do.	1	140 2	..			
Total ..	..	476 4	..	11 3	5,359	
Front verandah, exterior	1	204 1	..	..	..	
Record and property rooms and rear verandah, exterior	1	177 1	..	..	..	
Total ..	..	381 2	..	10 10½	4,145	
Front and rear verandahs, record and property rooms and parapet wall's above, exterior ..	1	342 2	..	4 0	1,369	
End walls of gumastas' and Nazarat establishment rooms, exterior	2	26 11	..	13 7½	734	
End walls of gumastas and parapet wall above, exterior	2	23 2	..	4 3	197	
Main building, front and rear, above verandah terrace and parapet walls, exterior	1	174 2	..	5 6	958	
Spaces above end walls of verandahs, record and property rooms	4	1 6	..	3 0	18	
Court room walls above verandah terrace, exterior	1	84 0	..	6 0	504	
Court room walls above terrace of head clerk's room	1	21 0	..	3 0	63	
Parapet walls of court room, exterior ..	1	108 0	..	..	..	
Do. of main room, interior	1	214 6	..	..	..	
Do. of court room, do.	1	96 0	..	..	..	
Do. of rear verandah, record and property rooms, interior ..	1	154 7	..	..	..	
Do. of front verandah, interior ..	1	175 7	..	..	..	
Total ..	..	748 8	..	2 6	1,872	
Top of parapet walls, rear verandah	1	154 7	..	..		
Do. front verandah ..	1	177 10	..	..	..	
Do. main rooms	1	219 0	..	..	..	
Do. court room	1	100 6	..	..	..	
Total ..	..	651 11	1 1½	..	733	
Sides and soffits of arch ways, 6′ 6″ span ..	6	22 0	..	..	..	
Do. do. 6′ 3″ do. ..	6	21 9	..	..	..	
Do. do. 6′ 1½″ do. ..	10	21 7½	..	..	..	
Do. do. 6′ 1″ do. ..	1	21 7	..	..	..	
Do. do. 4′ 6″ do. ..	2	20 0	..	..	..	
Total ..	..	540 4	1 1½	..	608	
Total, Pointing, Exterior ..	..	..	..	..	17,429	

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.
1	2	3	4	5	6	7
Deductions.		FT. IN.	FT. IN.	FT. IN.		
Verandah openings, 6′ 6″ span up to head						
Do. 6′ 3″ do.	2 × 6	6 6	..	..	..	
Do. 6′ 1½″ do.	2 × 6	6 3	..	..	..	
Do. 6′ 1″ do.	2 × 10	6 1½	..	..	..	
Do. 4′ 6″ do.	2 × 1	6 1	..	..	..	
	2 × 2	4 6	..	..	..	
Total ..	..	305 8	..	..	..	
Verandah openings, 6′ 6″ span above head						
Do. 6′ 3″ do.	2 × 6	6 0	..	6 6	1,987	
Do. 6′ 1½″ do.	2 × 6	5 9	..	..	..	
Do. 6′ 1″ do.	2 × 10	5 7½	..	..	..	
Do. 4′ 6″ do.	2 × 1	5 7	..	..	..	
	2 × 2	4 0	..	..	..	
Total ..	..	280 8	..	1 6	421	
Doors, including segmental head—						
In court room	6	4 6	..	9 3	250	
In main room	~~9~~ 6	4 0	..	..	..	
~~In head clerk's room~~	~~1~~	~~4 6~~	..	..	..	
In property room	1	5 6	..	..	..	
Total ..	..	~~80~~ 68 6	..	8 3	565 218	
Windows, including segmental head—						
In court room	2	4 6	..	6 3	56	
In main room	~~18~~	4 0	..	..	..	
In record and property rooms	11	2 0	..	..	..	
Total ..	..	~~74 0~~	..	5 3	~~326~~ 388	
Ventilators	6 8	3 0	..	1 9	~~32~~ 42	
Total, Deductions, square feet ..	..	..	..	..	~~3637~~ 3,892	
Net Total, Pointing, exterior, less deductions, square feet	..	..	..	..	..	13792 ~~2746~~ 14,037
Painting Doors and Windows with three coats of Oak paint.						
Two-third venetian and ½ panel doors—						
To court room .. .. ~~37~~	~~2~~ 34	2½ × 6	4 6	..	9 0	~~666~~ 648 790
~~To head clerk's room~~ ..		2½ × 1	~~4 6~~	..	~~8 0~~	~~98~~
To main room, front and rear ~~37~~ 44	~~2~~ 34	2½ × 5	4 0	..	8 0	~~792~~ 427 ~~936~~ 936
Panel doors to court room	~~2~~ 14	2 × 2	3 0	..	9 0	~~162~~ 108 122
Do. to record and copyists' room	~~2~~ 14	2 × 3	4 0	..	8 0	~~216~~ 192 216
Batten doors to property room ..	2 11	2 × 1	5 6	..	8 0	~~99~~ 88 99
Venetian windows to court room ..	~~3~~ 2	3 × 2	4 6	..	6 0	~~162~~ 162 189
Do. to main rooms	~~3~~ 11	3 × 11	4 0	..	5 0	~~600~~ 660 700
Do. to record and property rooms.	~~6~~ 8	2 0	3 0	..	5 0	~~330~~ 330 385
Ventilators to court room					1 6	~~27~~ 36 27
Total, Painting doors and windows with 3 coats of Oak paint, square feet	..	..	..	..	..	~~2746~~ 13464 2,747 3016.
Wood-oiling Roof timbers.						
Court room—						
Beams ..	2	21 0	4 7	..	193	
Joists, centre, bay	13	10 9	..	..	..	
Do. end, bay	26	11 1½	..	..	..	
Total ..	..	429 0	1 8	..	715	
Main rooms—						
Joists	70	17 0	2 3	..	2,678	
Record and property rooms—						
Beams	2	18 6	4 4	..	160	
Joists	48	10 0	1 6	..	720	
Front verandah—						
Angle beams	4	14 0	2 2	..	121	
Front and rear verandahs—						
Joists	..	1,352 0	1 4	..	1,803	
Total, Wood-oil painting, square feet ..	..	..	..	..	..	6,390
Dais Railing.						
Dais railing, R. feet	..	20 0	..	..	..	20
Punkahs.						
Court room	1	10 0	..	..	10 0	
Private room	1	6 0	..	..	6 0	
Total, punkahs, R. feet ..	..	..	..	..	..	16

Estimate Form—Abstract.

Quantity.	Description of work.	Rate. Rs. A. P.	Per	Amount. Rs.	Total. Rs.
1	2	3	4	5	6
11,741 c. ft. ..	Excavation for foundation	4 10 0	1,000 c. ft.	54	
10,451 ,, ..	Concrete in foundations with broken clinker bricks	14 0 0	100 ,,	1,463	
3,188 ,, ..	Brick-work in foundations and basement with stock bricks	20 0 0	100 ,,	637	
~~10,538~~ 10539 ,, ..	Brick-work in superstructure with stock bricks ..	22 0 0	100 ,,	2319 ~~2,318~~ 2319	
2,136 ,, ..	Brick-work in parapets, cornices, &c.	24 0 0	100 ,,	~~513~~ 513 ~~154~~ 154	
~~7~~ 603 ,, ..	Archwork	25 0 0	100 ,,	~~151~~ 151	
20 ,, ..	Stone slabs dressed under beams	2 0 0	cubic feet.	40	
6,503 ,, ..	Earth filling in basement	3 0 0	1,000 c. ft.	20	
662 ,, ..	Teakwood wrought and put up	3 8 0	cubic feet.	2,317	
~~842~~ s. ft. ..	Two-third venetian and one-third panel doors with iron fittings, &c., complete	1 ~~1~~ 0	square foot.	~~538~~ 868	
150 ~~115~~ ,, ..	Panel doors with iron fittings	0 14 0	Do.	131 ~~101~~	
~~104~~ 85 ,, ..	Batten doors with iron fittings	0 12 ~~6~~	Do.	34 ~~26~~	
254 ~~240~~ ,, ..	Venetian windows with iron fittings	1 ~~1~~ 0	Do.	~~254~~ 261	
110 ~~71~~ ,, ..	Venetian windows with iron bars and iron fittings.	1 ~~12~~ 0	Do.	~~138~~ 130	
27 ~~20~~ ,, ..	Ventilators with glazed shutters and iron fittings..	~~1 0 0~~	Do.	19 ~~20~~	
2,030 ,, ..	Cuddapah slabs for cornices including fixing complete	25 0 0	100 sq. ft.	508	
4,799 ,, ..	Terrace roofing with brick on edge 3″ concrete and 3 courses of flat tiles plastered and polished on top and ceiling	25 0 0	100 ,,	1,200	
4,613 ,, ..	Flooring with Cuddapah slabs 2″ thick on a 4″ bed of concrete pointed with tar and asphalte ..	22 0 0	100 ,,	1,015	
~~8,189~~ 8322 ,, ..	Plastering interior with chunam, 2 coats, polished.	2 8 0	100 ,,	208 205	
~~14,037~~ 13792 ,, ..	Pointing exterior black with tar and asphalte ..	3 0 0	100 ,,	~~414~~ 421	
~~2,747~~ 3016 ,, ..	Painting doors and windows with 3 coats oak paint.	2 5 0	100 ,,	~~79~~ 64 80	
6,390 ,, ..	Wood-oiling roof timbers, 3 coats	0 15 0	100 ,,	60	
20 L. ft. ..	Wooden railing for dais including fixing and varnishing complete	1 8 0	Lineal feet.	30	
16 ,, ..	Punkahs, complete, including wheel, &c.	1 8 0	Do.	24	
				11,944 ~~11,959~~	12.1 ~~67~~
	Petty supervision ..	2 8 0	Cent.	298 ~~299~~	305
	Contingencies ..	5 0 0	Do.	~~598~~	608
	Grand Total of estimate ..	..	..	12,840 ~~12856~~	~~13070~~ 13080

NOTE.—The rates affixed are according to Madras Schedule of rates.

CHEPAUK,
12th July 1895.

(Signed) C. C. RAWSON, Lt.-Col., R.E.,
In charge Consulting Architect's Division.

0—6-5-95.

From

THE CONSULTING ARCHITECT

TO THE GOVERNMENT OF MADRAS,

To

THE Chief Engineer
P. W. D

No. 1112

Dated 5th
Despatched } June 1896.
Received

No. OF ENCLOSURES.

Subject.

Submitting revised standard design & estimate for District Munsif Court houses with tile & roofing.
1796 d/ 17-6-96.

P.W. CURRENT No. 62/1424

Cuo 2107/96 lodged 18.5.96
Go 590 dt 21.5.96 received

8680/96
2103/96
Encls 6 (2 plans)

Accs: 6.6.96

CURRENT No. 2754

R. 4980 dt 25 June 1896

Referred to the Judicial department for the approval of Govt.

2. The favour of a very early return of these documents is requested as the preparation of estimates for a number of budget works cannot be undertaken until the type plan is issued

Lt Col. Saunders Colonel RE
Joint Secy to Govt P.W.D.

Recd 22/6/96

Cuo 10.6.96.

1187

[G. 53]
000—23-11-06.

Judicial Department.

CHIEF SECRETARIAT, MADRAS.

P.C.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following paper:—

Memorandum from the Public Works Department, No.143 C, dated 11th January 1897.

***

ORDER:- R No.203, dated 6th February 1897.

The revised plans and estimates received with the memorandum read above, are approved and retransferred to the Public Works Department with the following remarks:-

i. From the figures given in the abstract estimates for the two designs it is observed that the quantities of the marginally noted items of work are greater in the case of the tiled than the terraced design. The reasons for this increase are not apparent. The tiled building is presumably less heavy than the terraced one and so does not require more foundation and as it needs no plastering for ceilings, the total of plastering work in it should apparently be less.

1. Excavation of foundation
2. Concrete for foundation
3. Brickwork in foundation
4. Plastering interior with chunam

ii. The quantities of Cuddapah slab flooring and of Venetian windows and of ventilators with glazed shutters are also without apparent reason greater in the case of the tiled than the terraced design;

iii. The cost of 44 square feet of Batten doors at R.0-12-6 per square feet is R. 34 and not 36 as given in the abstract

estimate

estimate form accompanying the same design.

(True Extract)

for Chief Secretary.

To

The Public Works Department(with enclos.)

P.W. L-14/2103/97

No 143 cy 11th January 1897.

P. W. D.

Letter from the C.A. Co
Govt No 3857 of 26.10.96
Dito - Dito - No 4179
of 17.11.96.

The revised type
plans & estimates for
District Municipal Commissioners
houses, with tiled and
terraced roofs, modified
in accordance with
Memo. No 1928 dated
the 23 Sept 1896, are
forwarded to the
Judicial Dept. for
final approval

7/1/97

Jud Dept 11/1/97
Cr

Jud Dept
with papers in order

Consd
7.1.97

15/1

No 3502 Cof 3.10.96

Public Works (1897) Department.

G.O., No. 74865

Dated 15 March 1897

[Despatch Abstract.]

District Munsifs' Court-Houses: Circulating to Officers of the department with remark, the Revised type designs with descriptive Specifications and Schedule of Quantities, for —.

230/14

17/3/97

BACK PAPERS.

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

FURTHER PAPERS.

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

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Spare copies*

Regd. *Enclosures*

G.O., No. 748 W., 15th March 1897.

March.

District Munsifs' Court-houses

Circulating to officers of the department, with remark, the revised type designs, with descriptive specifications and schedules of quantities, for —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

Endorsement of the Public Works Department, dated 20th June 1896, No. 498 D.

From the Registrar of the High Court, Madras, No. 428, dated 1st September 1896.

With reference to G.O., R. No. 1075, Judicial, dated 25th June 1896, referring, for remarks, a revised standard design and estimate for a District Munsif's Court-house, with a tiled roof, I am directed to state that the Honourable the Judges consider that the revised type design now forwarded, as well as the one formerly sent (G.O., No. 179 W., dated 17th January 1896), seem to meet all requirements and may therefore be approved. A tiled or terraced roof may be adopted according to the circumstances of the locality, the one being doubtless more suitable in some places than the other.

Memo. No. 1925, Judicial.

The High Court's letter will be communicated to the Public Works Department, with reference to its endorsement, No. 498, dated 20th June 1896, herewith returned.

2. The Government considers that the two small windows in the Court room above the verandah and facing the Bench are open to objection, as they will throw a strong light behind the witnesses and pleaders and render their features almost invisible to the officer presiding in the Court. The undesirability of such windows has before been pointed out to the Public Works Department in connection with other type plans. The order of the rooms to the left of the Court room in the plan also appears to be inconvenient, as it is important that the head clerk should be near the records. The order should accordingly be as follows: (1) record-room, (2) head clerk, (3) copyists, (4) gumastahs.

3. The above-noted alterations should be carried out in the present design with tiled roofing and also in the design with terraced roofing which is circulated in G.O., No. 179 W., dated 17th January 1896. It is further noticed that this latter design provides no door leading into the back verandah from the Judge's retiring room. Such a door should be entered in the plans and estimates. The obvious necessity for this has also been before pointed out to the Public Works Department in connection with other similar plans.

OOTACAMUND,
23rd September 1896.

(Signed) W. FRANCIS,
Ag. Under Secretary.

From G. S. T. HARRIS, Esq., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 26th October 1896, No. 3857.

In returning Judicial Department memo., No. 1925, dated 23rd September 1896, received with your memo., No. 3502, dated the 3rd instant, I have the honour to submit a lithographed copy of the plan with printed estimate for the terraced design duly altered, on approval; a corrected copy may be furnished to each Superintending Engineer to alter their copies accordingly. If six copies of the plan and estimate are forwarded, I shall have the alterations made here and returned.

2. The tiled design is being redrawn and will be submitted with the estimate at an early date.

From G. S. T. HARRIS, Esq., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 17th November 1896, No. 4179.

In continuation of this office letter, No. 3857, dated the 26th October 1896, I have the honour to submit revised plans and estimate for Sub-Judge's or District Munsif's Court-house with roofing of Mangalore tiles.

No. 143 C.

The revised type plans and estimates for District Munsif's Court-houses, with tiled and terraced roofs, modified in accordance with memo., No. 1925, Judicial, dated 23rd September 1896, are forwarded to the Judicial Department for final approval.

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
11th January 1897. Secretary to Government.

G.O., R. No. 203, Judicial, dated 6th February 1897.

Order—R. No. 203, Judicial, dated 6th February 1897.

The revised plans and estimates received with the memorandum read above, are approved and retransferred to the Public Works Department, with the following remarks :—

(i) From the figures given in the abstract estimates for the two designs it is observed that the quantities of the marginally-noted items * of work are greater in the case of the tiled than the terraced design. The reasons for this increase are not apparent. The tiled building is presumably less heavy than the terraced one and so does not require more foundation, and as it needs no plastering on ceilings, the total of plastering work in it should apparently be less.

* 1. Excavation of foundation.
2. Concrete for foundation.
3. Brickwork in foundation.
4. Plastering interior with chunam.

(ii) The quantities of Cuddapah slab flooring and of venetian windows and of ventilators with glazed shutters are also, without apparent reason, greater in the case of the tiled than the terraced design.

(iii) The cost of 44 square feet of batten doors at As. 12–6 per square foot is Rs. *34*, and not *36* as given in the abstract estimate form accompanying the same design.

(True Extract.)

(Signed) W. FRANCIS,
for Chief Secretary.

No. 5256.

ESTIMATE FORM.—Comparative statement of differences for certain items in type design, Court-house for Sub-Judge or District Munsif, terraced and tiled design.

Description of work.	Terraced design.			Tiled design.			More.	Less.	Explanation of difference.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.			
1	2	3	4	5	6	7	8	9	10
	C. FT.	RS. A. P.	RS.	C. FT.	RS. A. P.	RS.	RS.	RS.	
Excavation for foundation.	11,741	4 10 0	54	12,015	4 10 0	56	2	..	Excess in foundations is due to the plinth in the tiled design being made half a brick thicker than the wall above and the concrete bed correspondingly thicker. The foundations in type plans are merely assumed, the actual depth and width required should be decided according to the nature of the soil where the building is to be erected.
Concrete do.	10,451	14 0 0	1,463	10,647	14 0 0	1,491	28	..	
Brickwork do.	3,188	20 0 0	637	3,560	20 0 0	712	75	..	
	S. FT.								
Plastering interior with chunam.	8,322	2 8 0	208	10,067	2 8 0	252	44	..	Area of wall space greater in tiled than terraced design. Ceiling plastering in terraced building is always included in cost of terraced roof.
Flooring with Cuddapah slabs.	4,613	22 0 0	1,015	5,056	22 0 0	1,112	97	..	Less quantity in terraced design owing to larger sectional area of brick piers in verandah, the tiled design having timber uprights of small section.
Venetian windows with frames.	254	1 0 0	254	297	1 0 0	297	43	..	Excess due to an additional window in vakils' room and a window in place of door in copyists' room.
Venetian windows with glass above and iron bars.	110	1 4 0	138	117	1 4 0	146	8	..	Excess due to size of window in tiled design being 1½ feet higher than those provided for terraced design.
Venetian windows without glass head.	..	..	..	20	1 0 0	20	20	..	
Ventilators with glazed shutters.	27	0 11 0	19	168	0 11 0	116	97	..	Excess due to a greater number of ventilators provided in tiled design; these are great boons.
Batten door.	44	0 12 6	34	44	0 12 6	36	..	..	The correction was not made in this office.

CHEPAUK,
25th February 1897.

(Signed) G. S. T. HARRIS,
Consg. Architect to Govt.

ENCLOSURES.

REPORT and specification to accompany the plan and estimate for revised standard design of Court-house for Sub-Judge or District Munsif with tiled roof according to drawing signed by the Consulting Architect to Government and dated 16th November 1896.

	RS.
Amount of estimate	14,260

GENERAL SPECIFICATION.

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

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

Stone work.—Stone slabs should be placed at the bearings of the trusses and stones under verandah posts with mortice holes 2″ × 2″ × 2″ deep into which the posts will be tenoned. The steps may also be of stone, if procurable, without great expense.

Wood work.—The trusses, verandah posts, eaves and barge boards should be of Burma teak, the purlins, rafters and ceiling joists and other minor roof supports may be of approved country wood, proof against white ants.

Doors and windows.—To be of well-seasoned Burma teak wood and supplied with approved iron hinges, bolts and holding down hooks. The ventilators will have glazed shutters to open and shut on side pivots.

Roofing.—The roof will be covered with Mangalore tiles on teak reepers 2″ × 1″. All valleys should be protected with $\frac{3}{32}$ lead sheet or zinc sheets 12 or 16 B.W.G. The interior of rooms to be ceiled with matched 5 inch teak planking, $\frac{3}{4}$ inch thick, tongued and grooved and screwed to 4″ × 2½″ joists, two screws to each plank. The joists will be secured to the tie beams with iron knees $\frac{3}{16}$ inch thick. Where the ceiling joists have to span a greater distance than 10 feet as in the gumastahs', head clerk's and copyists' rooms, they will be suspended to the rafters by battens 2″ × 1″. At about intervals of every third rafter, the battens will be secured to the rafters with iron knees $\frac{3}{32}$ inch thick and screws and simply screwed to the joists. On each side of the tie beam and about 9 inches from wall, ventilators will be provided cut out of thin sheet iron painted light grey and pinned over round holes in the ceiling.

Flooring.—The floor will consist of Cuddapah slabs about 2 inches thick laid in mortar on a 4″ bed of concrete and neatly pointed with asphalte. If Cuddapah slabs are not easily procurable, the floor may be paved with square bricks, in which case the record and property rooms should be floored with asphalte. Where the soil is damp the filling in below floor should be of river sand. The floor of verandahs will be laid with a fall outwards of about $\frac{3}{4}$ inch to 10 feet.

Interior and exterior finishing.—The walls inside rooms will be fine plastered and polished or plastered and whitewashed. Where good bricks or stone are obtainable, the exterior should be pointed—black painting for brick work with a composition of asphalte, tar and sand neatly executed is preferable—as it shows the brick work to advantage and is very durable. A damp-proof course of asphalte ½ inch thick should be laid.

Painting.—The roof timbers concealed by ceiling need not be painted. The verandah uprights and rafters and windows exposed to the weather should be primed and then painted with two coats chocolate paint. Doors and windows protected by verandahs and inside building, and ceiling to be wood-oiled three coats. Barge boards and eave boards painted three coats white lead paint.

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

STANDARD design of Court-house for Sub-Judge or District Munsif with Mangalore tiled roofing.

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	2	3	4	5	6	7
Earthwork excavation for foundation.		FT. IN.	FT. IN.	FT. IN.		
Court walls, 3 sides	..	78 6	..	..	..	
Head clerks to Nazarat Establishment—Outer walls	..	241 6	..	..	..	
Property and record-room walls, 3 sides ..	2	52 6	..	..	..	
	..	425 0	4 0	4 6	7,650	
Gumastahs', &c., rooms partitions	5	12 6	..	..	..	
Verandah front	..	178 3	..	..	..	
Do. rear	..	62 3	..	..	..	
	..	303 0	3 0	4 6	4,091	
	..	21 9	2 0	1 0	44	
Dais walls	2	15 6	..	..	..	
Steps	2	9 6	..	..	..	
Do.	..	50 0	2 6	1 6	188	
Ramp to property room	..	8 0	7 0	0 9	42	
Total Cubic feet ..	..	..	..	..	..	12,015

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.
1	2	3	4	5	6	7
Concrete.		FT. IN.	FT. IN.	FT. IN.		
Court walls, 3 sides		78 6	..	..	..	
Head clerk to Nazarat—						
Establishment outer walls		241 6	..	..	..	
Property and record-room walls, 3 sides	2	52 6	..	..	..	
	..	425 0	4 0	4 0	6,800	
Gumastahs, &c., room partitions	5	12 6	..	..	..	
Verandah, front	..	178 3	..	..	..	
Do. rear	..	62 3	..	..	..	
	..	303 0	3 0	4 0	3,636	
Dais walls	..	21 9	2 0	1 0	44	
Steps	2	15 6	..	..	..	
Do.	2	9 6	..	..	..	
	..	50 0	2 6	1 0	125	
Ramp to property room	1	8 0	7 0	0 7	42	
Total Cubic feet	..	..	..	..	..	10,647
Brick work in foundations and basement.						
Court walls, 3 sides		80 7½	..	..	..	
Head clerks to Nazarat—						
Establishment outer walls		241 6	..	..	..	
Property and record-room walls, 3 sides	2	54 7½	..	..	..	
	..	431 4½	1 10½	2 6	2,022	
Gumastahs, &c., rooms partitions	5	14 7½	..	..	..	
Verandah, front		180 4½	..	..	..	
Do. rear		64 4½	..	..	..	
	..	317 10½	1 6	2 6	1,192	
Dais walls		23 10½	1 1½	2 6	67	
Steps	2	15 6				
Do.	2	9 6	3 0	1 0	150	
Do.	2	13 6				
Do.	2	7 6	2 0	0 6	42	
Do.	2	11 6				
Ramp	2	5 6	1 0	0 6	17	
	1	7 0	8 0	1 3	70	
Total Cubic feet	..	..	..	..	..	3,560
Brick work in superstructure.						
Court walls, 3 sides		81 0	1 6	15 3	1,853	
Do. gables	2	21 0	1 6	2 7½	165	
Establishment outer walls		241 6	1 6	15 6	5,615	
Do. end gable	2	18 0	1 6	2 4½	128	
Do. partitions	5	15 0	1 1½	15 6	1,308	
Do. gables	5	18 0	1 1½	2 4½	240	
Property and record-room walls	2	55 0	1 6	15 6	2,558	
Do. gables	4	19 0	1 6	2 4½	271	
Do. dais walls		24 3	1 1½	1 6	41	
Corbelling for wall plates		230 6	0 5	0 10½	84	
Total	..	..	..	..	..	2,263
Deductions—						
Doors in court	6	4 6	1 6	8 0	324	
Windows, court	2	4 6	1 6	5 0	68	
Do. recesses in court	2	4 6	0 9	3 0	20	
Ventilators on sides	6	3 0	1 6	2 4	63	
Head clerk to Nazarat—						
Establishment doors	9	4 0	1 6	8 0	432	
Do.	2	4 0	1 1½	8 0	72	
Doors	2	3 0	1 6	8 0	72	

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.
1	2	3	4	5	6	7
Brick work in superstructure—cont.		FT. IN.	FT. IN.	FT. IN.	C. FT.	
Head clerk to Nazarat—*cont.*						
Windows	12	4 0	1 6	5 3	378	
Do. recesses	12	4 0	0 9	2 9	99	
Ventilators	18	3 0	1 6	2 4	189	
Door for property room	1	5 6	1 6	8 0	66	
Windows for property-room and record-room	9	2 0	1 6	6 0	162	
Do do. do. do.	2	2 0	1 6	5 0	30	
Archwork as per details	..	..	..	..	356	
Total, Cubic feet	..	..	..	..	..	2,331
Archwork, segmental.						9,932
Over court doors and windows	8	5 9	1 6	1 1½	263	
Over head clerks' rooms and windows	21	5 3	1 6	1 1½		
Do. do. partitions	2	5 3	1 1½	1 1½	13	
Over single shutter doors in gumastah sand retiring rooms	2	4 0	1 6	1 1½	80	
Over door in property room	1	6 9	1 6	1 1½		
Over windows in record and property rooms	11	3 0	1 6	1 1½		
Total, Cubic feet	..	..	..	..	..	356
Stone work.						
Under truss bearings	14	2 0	1 6	0 6	21	
Do. verandah posts	40	1 1½	1 1½	0 6	25	
Total, Cubic feet	..	..	..	..	..	46
Earth filling in basement.						
Court rooms	1	29 7½	17 7½	1 6	522	
From Head clerks to Nazarat—						
Establishment room	1	94 10½	14 7½	1 6	2,081	
Record and property rooms	2	17 7½	15 7½	1 6	826	
Verandah, front	1	162 9	7 3½	1 6	2,491	
Do. rear	1	64 4½	7 3½	1 6		
Total, Cubic feet	..	..	..	..	..	5,920
Teakwood in trusses, wrought and put up.						
Two trusses for court room to span 18 feet. Tie beams	2	21 0	0 4	0 7½	9	
Principal rafters	4	10 9	0 4	0 6½	8	
Struts	4	5 0	0 4	0 4	2	
Block at head	2	1 3	0 3	0 6	1	
Two trusses for record and property rooms, span 16 feet. Tie beams	2	19 0	0 4	0 6½	7	
Principal rafters	4	10 3	0 4	0 5½	6	
Struts	4	4 9	0 4	0 4	2	
Block at head	2	1 3	0 3	0 6	1	
Two trusses for vakils and Nazarat rooms to span 15 feet. Tie beams	2	18 0	0 4	0 6½	7	
Principal rafters	4	9 6	0 4	0 5½	6	
Struts	4	4 6	0 4	0 4	2	
Block at head	2	1 3	0 3	0 6	1	
One truss for gumastahs' room to span 15 feet. Tie beam	1	18 0	0 4	0 6½	3	
Principal rafters	2	9 6	0 4	0 5½	3	
Struts	2	4 6	0 4	0 4	1	
Block at head	1	1 3	0 3	0 6	1	
Total, Cubic feet	..	..	..	..	..	60
Teakwood in purlins rafters, Verandah posts, &c.						
Court purlins	2	10 3				
Do.	2	13 9	0 4	0 6	13	
Do.	2	14 9				
Court room wall purlins	2	10 3				
Do.	2	11 9	0 4	0 5	10	
Do.	2	13 9				

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.
1	2	3	4	5	6	7
Teakwood in purlins rafters, verandah posts, &c.—cont.		FT. IN.	FT. IN.	FT. IN.		
Ridge	1	10 3				
Do.	1	13 9	0 3	0 6½	6	
Do.	1	19 0				
Rafters	26	13 3				
Do. Jack	2	11 3				
Do. do.	2	8 0	0 2½	0 4	28	
Do. do.	2	5 0				
Do. do.	2	2 0				
Eave boards	2	32 0	0 3/4"	0 7	2	
Barge boards	2	11 4½	0 1	0 8	1	
Do. at ends	4	2 0	0 1	1 4	1	
Between barge boards	1	1 3	0 1	1 0	1	
Cover boards	2	13 3	0 1	0 6	1	
Record and property rooms—						
Purlins	4	13 0	0 4	0 6	18	
Do.	4	14 0				
Wall purlins	4	22 6	0 4	0 5	13	
Ridge	2	13 0	0 3	0 6	8	
Do.	2	18 0				
Valley rafters	4	16 6	0 3	0 6	8	
Gutter boards	4	16 6	1 3	0 1	7	
Reepers to support boards	4	16 6	0 2	0 1/2"	1	
Rafters	32	12 3				
Rafters, Jack	2 × 2	11 9	0 2½	0 3½	29	
Do.	2 × 2	8 9				
Do.	2 × 2	5 9				
Do.	2 × 2	3 0	0 2½	0 3½	2	
Eave boards	2 × 2	19 6	0 3/4"	0 7	3	
Barge ,,	2 × 2	10 3	0 1	0 8	2	
,, ,, at ends	2 × 4	2 0	0 1	1 4	2	
Between barge boards	2	1 3	0 1	1 0	1	
Cover boards	4	12 3	0 1	0 5	2	
Shelves	2	16 0	1 6	0 1½	5	
Do. brackets	10	2 9	0 2	0 3	1	
Head Clerks' room—						
Purlins	2	16 10½	0 4	0 8	8	
Wall purlins	2	16 10½	0 4	0 5	5	
Ridge	1	16 10½	0 3	0 6½	2	
Copyists' room purlins	2	15 9	0 4	0 8	7	
Wall purlins	2	15 9	0 4	0 5	4	
Ridge	1	15 9	0 3	0 6½	2	
Gumastahs' room purlins	4	14 6	0 4	0 8	13	
Wall purlins	4	14 6	0 4	0 5	8	
Ridge	2	14 6	0 3	0 6½	4	
Judge's retiring room purlins	2	13 0	0 4	0 6	4	
Wall purlins	2	13 0	0 4	0 5	4	
Ridge	1	13 0	0 3	0 6	2	
Vakils' room purlins	4	10 3	0 4	0 6	7	
Wall purlins	4	10 3	0 4	0 5	6	
Ridge	2	10 3	0 3	0 6	3	
Nazarat establishment—						
Room purlins	2	20 7½	0 4	0 6	7	
Wall ,,	2	20 7½	0 4	0 5	6	
Ridge	1	20 7½	0 3	0 6	3	
Head Clerks to Nazarat establishment—						
Room rafters	62	11 9	0 2½	0 3½	44	
Jack rafters at end rooms	4	11 3				
Do.	4	8 3				
Do.	4	5 3				
Do.	4	2 6				
Jack rafters over Gumastahs and Nazarat establishment rooms.	2	10 3	0 2½	0 3½	10	
Do. do.	2	7 3				
Do. do.	2	5 3				
Do. do.	2	2 3				
Eave boards	1	147 9	0 3/4"	0 7	5	
Barge boards	4	9 9	0 1	0 8	2	
,, at ends	8	2 0	0 1	1 4	1	
Between barge boards	2	1 3	0 1	1 0	1	
Cover boards	4	11 9	0 1	0 5	2	
Valley rafters between court and rear rooms	2	16 3	0 3	0 6	4	
Gutter boards	2	16 3	1 3	0 1	3	
Reeper to support boards	2	16 3	0 2	0 1/2"	1	
Verandah posts	40	7 3	0 5	0 5	50	
Brackets	40	1 3	0 5	0 5	9	

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Teakwood in purlins rafters, verandah posts, &c.—cont.		FT. IN.	FT. IN.	FT. IN.		
Check pieces	80	1 3	0 5	0 1½	5	
Base pieces	160	0 8	0 1½	0 6	7	
Bressummers	..	251 0	0 5	0 5	44	
Wall plates	..	234 0	0 4	0 3	20	
Rafters	81	10 6	0 3	0 5	89	
Jack rafters, total length	..	162 0	0 3	0 5	17	
Hip and valley rafters	4	16 3	0 3	0 6	8	
Gutter boards	2	16 3	1 3	0 1	3	
Reepers to support boards	2	16 3	0 2	0 1/2"	1	
Pieces at ends of verandah to secure boarding.	2	10 0	0 3	0 4	2	
Boarding	2	10 0	0 1	2 6	4	
Eave boards	1	255 0	0 3/4"	0 7	9	
Ceiling joists to Court room—						
Centre bay	7	9 8	..	..	..	
End bays	14	10 6	..	..	..	
Property and record-rooms	24	9 7	..	..	..	
Head Clerks' room	6	14 3	..	..	..	
Copyists' room	6	15 0	..	..	..	
Gumastahs' room	12	14 0	..	..	..	
Judge's retiring room	6	12 3	..	..	..	
Vakil's room	12	9 6	..	..	..	
Nazarat establishment, &c., rooms	6	7 0	..	..	..	
Do. do.	6	9 10½	..	..	..	
		1,076 11	0 2½	0 4	75	
Ceiling joist suspenders	16	5 1½	..	..	..	
	16	3 4½	..	..	..	
	16	1 9	..	..	..	
		164 0	0 2	0 1	2	
Filling pieces over ventilators	18	4 0	0 4	0 2	4	
					Total C. ft.	682
Wrought iron work.						
For two 18 feet trusses—						
1" Diamr. King rods	2	6 5	=12 10	× 2·62	34	
1" Hex nut and bolt heads	2	..	= 2 0	× 1·10	2	
3" Diamr. ½" thick, washers	6	..	= 6 0	× 0·32	2	
2" × ⅜" Heel straps	4	2 9	=11 0	× 2·50	33	
2" × ⅜" Bearing plates	4	0 6	= 2 0			
⅝" Hex nuts for plates	8	..	= 8 0	× 0·26	2	
Caps of ⅜" plates, 6" wide	2	1 6	= 3 0	× 5·01	15	
For two 16 feet trusses—						
⅞" Diamr. King rods	2	6 3	=12 6	× 2·01	25	
⅝" Hex nut and bolt heads	2	..	= 2 0	× 0·73	1	
⅜" Diamr. ½" thick washers	6	..	= 6 0	× 0·32	2	
2" × ⅜" Heel straps	4	2 6	=10 0	× 2·50	30	
2" × ⅜" Bearing plates	4	0 6	= 2 0			
⅝" Hex nuts for plates	8	..	= 8 0	× 0·26	2	
Caps of ⅜" plates, 6" wide	2	1 6	= 3 0	× 5·01	15	
For two 15 feet trusses—						
⅞" Diamr. King rods	2	6 0	=12 0	× 2·01	24	
⅝" Diamr. Hex-nuts and bolt head	2	..	= 2 0	× 0·73	1	
⅜" Diamr. ½" thick washers	6	..	= 6 0	× 0·32	2	
2" × ⅜" Heel straps	4	2 3	= 9 0	× 2·50	28	
2" × ⅜" Bearing plates	4	0 6	= 2 0			
½" Hex nut for do.	8	..	= 8 0	× 0·26	2	
Caps of ⅜" plate, 6" wide	2	1 6	= 3 0	× 5·01	15	
For one 15 feet trusses for gumastahs rooms—						
1" King rod	1	6 0	= 6 0	× 2·62	16	
1" Hex nuts and bolt heads	1	..	= 1 0	× 1·10	1	
3" Diamr. ½" thick washers	3	..	= 3 0	× 0·32	1	
2" × ⅜" heel straps	2	2 4½	= 4 9	× 2·50	14	
2" × ⅜" Bearing plates	2	0 6	= 1 0			
½" Hex nut for do.	4	..	= 4 0	× 0·26	1	
Caps of ⅜" plates, 6" wide	1	1 6	= 1 6	× 5·01	8	
For verandah wall plates—						
1½" × ⅜" straps of about 5 feet apart	48	2 6	= 120	× 1·87	224	
Knees to fasten ceiling joists to tie beams ⅜" thick—						
For court room	28	6" × 4"	× 3/16"	× ·26	91	
For other rooms	50					

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.
1	2	3	4	5	6	7
Wrought iron work—cont.		FT. IN.	FT. IN.	FT. IN.	C. FT.	
Knees to fasten suspenders to rafters $\frac{3}{32}$" thick—In head clerk's, copyist's and gumastah's room	48	6" × 4"	× $\frac{3}{16}$	× ·26	28	
Total lb. ..	..	..	..	..	..	619
Venetian and panel doors with iron hinges fastenings, complete.						
Court room 4½' × 8' with frames 5" × 3½" ..	6	4 6	..	8 0	216	
Head clerk's, &c., rooms 4' × 8' with frames 5" × 3"	8	4 0	..	8 0	256	
Total, square feet ..	..	..	..	..	..	472
Panelled doors with iron hinges and fastenings complete.						
4' × 8' with frames 5 × 3 in partition walls ..	3	4 0	..	8 0	96	
Sides of dais with single shutter 3' × 8' with frames 5" × 3"	2	3 0	..	8 0	48	
Total, square feet ..	..	..	..	..	..	144
Battern doors.						
For property room 5'-6" × 8' with frames 5" × 4" strong iron straps hinges, hooks, hasps staple, complete	1	5 6	..	8 0	44	44
Venetian windows.						
Court room 4½' × 5 with frames 5" × 3" ..	2	4 6	..	5 0	45	
Gumastah's, &c., room 4' × 5½' with frames 5" × 3"	12	4 0	..	5 3	252	
Total, square feet ..	..	..	..	..	..	297
Venetian windows with glass above with 1" Dr. iron bars, iron hinges and fastenings, complete.						
For record and property room 2' × 6½' with frames 6" × 3"	9	2 0	..	6 6	117	117 sq. ft.
For record and property room 2 × 6½ without glass head	2	2 0	..	5 0	20	20 sq. ft.
Ventilators with glazed shutters moving on side pivots.						
Court room sides 3' × 2'-4" with frames 4" × 3".	6	3 0	..	2 4	42	
Head clerk's, &c., rooms 3' × 2'-4" with frames 4" × 3"	18	3 0	..	2 4	126	
Total, square feet ..	..	..	..	..	..	168
Roofing with Mangalore tiles including 2" × 1" teak reepers and wind tie, complete.						
Court	2	37 3				
Record and property rooms	2 × 2	25 3	..	13 3	987	
Head clerks to Nazarat—				12 6		
Establishment rooms, front					1,263	
Do. do. rear	2	49 0				
Do. do. do. ends	1	72 9	..	..	..	
	2	7 6	..	..	..	
	..	135 9	..	..	..	
Verandah, front	1	168 3	..	12 0	2,229	
Do. rear	1	64 9	..	..	..	
	..	233 0	..	..	..	
Total, square feet ..	..	..	..	11 6	2,680	
	..	..	..	..	..	7,159

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.
1	2	3	4	5	6	7
Ceiling boards ¾" thick tongued and grooved.		FT. IN.	FT. IN.	FT. IN.	C. FT.	
For court room	1	30 0	18 0	..	540	
For head clerk's room	1	12 3	..	..	..	
For copyists' room	1	13 6	..	..	..	
For gumastah's room	1	26 7½	..	..	..	
For judge's retiring room	1	10 9	..	..	..	
For vakil's room	1	18 0	..	..	..	
For Nazarat establishment room	1	16 0	..	..	..	
	..	97 1½	15 0	..	1,457	
Record and property rooms	2	18 0	16 0	..	576	
Total, square feet ..	..	..	..	..	..	2,573
Flooring with Cuddapah slabs 2" thick on a 4" bed of concrete.						
Court	1	30 0	..	18 0	540	
Record and property rooms	2	18 0	..	16 0	576	
From head clerk to Nazarat establishment rooms.	1	97 1½	..	15 0	1,457	
Front verandah	1	165 9	..	9 0	2,075	
Rear do.	1	64 9	..			
Door pieces	6	4 6	..	1 6	41	
Do.	9	4 0	..	1 6	54	
Do.	2	4 0	..	1 1½	9	
Do.	2	3 0	..	1 6	9	
Do.	1	5 6	..	1 6	8	
Window pieces	2	4 6	..	0 9	7	
Do.	12	4 0	..	0 9	36	
Steps	2	16 0	..	3 6	112	
Do.	2	10 0	..	3 6	70	
Ramp	1	7 6	..	8 3	62	
Total, square feet ..	..	..	..	..	..	5,056
Damp proof course with ½" thick, asphalte.						
Court walls, three sides	..	80 7½	..	..	..	
Head clerks to Nazarat establishment outer walls	..	241 6	..	..	..	
Property and record room walls, three sides ..	2	54 7½	..	..	..	
		431 4½	1 10½	..	809	
Partition walls	5	14 7½	..	..	..	
Verandah, front	..	180 4½	..	..	..	
Do. rear	..	64 4½	..	..	..	
		317 10½	1 6	..	477	
Dais walls	..	23 10½	1 1½	..	27	
Total, square feet ..	..	..	..	..	..	1,313
Plastering interior.						
Court	1	96 0	..	15 9	1,512	
Gables	3	18 0	..	2 1½	115	
Record and property rooms	2	68 0	..	15 9	2,142	
Do. gables	6	16 0	..	2 1½	204	
Head clerk and other rooms	..	374 3	..	16 0	5,988	
Do. gables	12	15 0	..	2 1½	383	
Dais	..	27 0	..	1 6	41	
Door jambs and soffits	6	20 6	..	1 0	123	
Do. do.	9	20 0	..	1 0	180	
Do. do.	2	20 0	..	0 7½	25	
Do. do.	2	19 0	..	1 0	38	
Do. do.	1	21 6	..	1 0	22	
Window jambs and soffits	2	14 6	..	1 0	29	
Do. do.	12	14 6	..	1 0	174	
Do. do. sills	2	4 6	..	0 9	7	
Do. do.	12	4 0	..	0 9	36	
Do. do. sides of recesses	28	0 9	..	2 9	58	
Ventilators jambs and sills	6	7 8	..	1 2	54	
Do. do.	18	7 8	..	1 2	161	
Iron barred windows	9	17 0	..	1 0	153	
Do. do.	2	14 0	..	1 0	28	
						11,472

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.
1	2	3	4	5	6	7
Plastering interior—cont.		FT. IN.	FT. IN.	FT. IN.	C. FT.	
Deductions—						
Door ways	6	4 6	..	8 0	216	
Do.	14	4 0	..	8 0	448	
Do.	4	3 0	..	8 0	96	
Do.	1	5 6	..	8 0	44	
Windows	2	4 6	..	5 0	45	
Do.	12	4 0	..	5 3	252	
Do.	9	2 0	..	6 6	117	
Do.	2	2 0	..	5 0	20	
Ventilators	6	3 0	..	2 4	42	
Do.	18	3 0	..	2 4	126	
						1,406
Total, square feet	..	..	..	..	..	10,067
Plastering with Portland cement ½" thick.						
Plinth all round	1	388 0	..	2 3	873	
Sides of steps	..	48 0	..	0 6	24	
Total, square feet	..	..	..	..	..	897
Painting exterior black.						
Court	1	84 0	..	15 3	1,281	
Do. gables	1	21 0	..	2 6	53	
Other rooms	1	304 6	..	15 3	4,644	
Gables	2	19 0	..	2 6	95	
Do.	2	18 0	..	2 6	90	
						6,163
Deductions—						
Door ways	6	4 6	..	8 0	216	
Do.	8	4 0	..	8 0	256	
Do.	1	5 6	..	8 0	44	
Windows	2	4 6	..	5 0	45	
Do.	12	4 0	..	5 3	252	
Do.	9	2 0	..	6 6	117	
Do.	2	2 0	..	5 0	20	
Ventilators	6	3 0	..	2 4	42	
Do.	18	3 0	..	2 4	126	
						1,118
Total, square feet	..	..	..	..	..	5,045
Painting verandah uprights and windows exposed to the weather with three coats chocolate paint.						
Court purlins	2	2 0	..	1 8	7	
Do. wall purlins	2	2 0	..	1 6	6	
Court ridge	1	2 0	..	1 7	3	
Do. rafters	2	13 3	..	1 1	29	
Do. do. at eaves	24	1 9	..	1 1	46	
Record and property room purlins	4	2 0	..	1 8	13	
Wall purlins	4	2 0	..	1 6	12	
Ridge	2	2 0	..	1 6	6	
Valley rafters	4	2 0	..	1 6	12	
Gutter boards	4	2 0	..	2 8	21	
Reepers to support boards	4	2 0	..	0 5	3	
Rafters at gable ends	4	12 3	..	1 0	49	
Do. at eaves	32	1 9	..	1 0	56	
Head clerk's room purlins	2	2 0	..	2 0	8	
Wall purlins	2	2 0	..	1 6	6	
Ridge	1	2 0	..	1 7	3	
Nazarat establishment room purlins	2	2 0	..	1 8	7	
Wall purlins	2	2 0	..	1 6	6	
Ridge	1	2 0	..	1 6	3	
Rafters at gable ends of head clerk, Nazarat establishment rooms	4	11 9	..	1 0	47	
Rafters at eaves	58	1 6	..	1 0	87	
Valley rafters at eaves between court and rear rooms	2	2 0	..	1 6	6	
Gutter boards	2	2 0	..	2 8	11	
Reepers to support boards	2	2 0	..	0 5	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.
1	2	3	4	5	6	7
Painting verandah uprights and windows exposed to the weather with three coats chocolate paint—cont.		FT. IN.	FT. IN.	FT. IN.	C. FT.	
Verandah posts	40	6 6	..	1 8	433	
Brackets	40	1 3	..	1 8	83	
Check pieces sides	160	1 3	..	1 8	83	
Base pieces	160	0 8	..	0 6	54	
Bressummers	..	251 0	..	1 8	418	
Wall plates	..	234 0	..	1 2	273	
Rafters	81	11 3	..	1 4	1,215	
Jack rafters	..	162 0	..	1 4	216	
Hip and Valley rafters	4	16 3	..	1 6	98	
Gutter boards	2	16 3	..	2 8	87	
Reepers to support boards	2	16 3	..	0 5	14	
Pieces at ends of verandah to secure boarding	2	10 0	..	1 2	23	
Boarding	2 × 2	10 0	..	2 6	100	
Venetian windows at head clerk and Nazarat establishment rooms	3½ × 2	4 6	..	5 0	158	
Venetian windows with iron bars	4 × 9	2 0	..	6 6	468	
Do. do.	4 × 2	2 0	..	5 0	80	
Total, square feet	..	..	..	..	..	4,194
Staining doors and windows protected by verandah inside building with two coats of wood-oil.						
Venetian and panelled doors	3½ × 6	4 6	..	8 0	702	
Do. do.	3½ × 8	4 0	..	8 0	832	
Panelled doors	2½ × 3	4 0	..	8 0	216	
Do.	2½ × 2	3 0	..	8 0	108	
Batten doors	2½ × 1	5 6	..	8 0	99	
Venetian windows	3½ × 2	4 6	..	5 0	158	
Do.	3½ × 10	4 0	..	5 3	735	
Ventilators glazed shutters	6	3 0	..	2 4	42	
Do. do.	18	3 0	..	2 4	126	
Sides of filling pieces over ventilators	2 × 18	4 0	..	0 2	24	
Ceiling boards, court room	1	30 0	18 0	..	540	
Do. head clerk's room	1	12 3	..	..	..	
Copyist's room	1	13 6	..	..	..	
Gumastah's room	1	26 7½	..	..	..	
Judge's retiring room	1	10 9	..	..	..	
Vakil's room	1	18 0	..	..	..	
Nazarat establishment room	1	16 0	..	..	..	
	..	97 1½	15 0	..	1,457	
Record and property rooms	2	18 0	16 0	..	576	
Total, square feet	..	..	..	..	..	5,615
Painting with three coats of white lead paint.						
Court room's eave boards	2	32 0	..	1 2¾	79	
Barge boards	2	11 4½	..	1 5	32	
Do. at ends	4	2 0	..	2 8	21	
Between large boards	1	1 3	..	2 0	3	
Cover boards	2	13 3	..	0 11	24	
Record and property rooms—						
Eave boards	2 × 2	19 6	..	1 2¾	96	
Barge boards	2 × 2	10 3	..	1 5	58	
,, at ends	2 × 4	2 0	..	2 8	43	
Between barge boards	2	1 3	..	2 0	5	
Cover boards	4	12 3	..	0 11	45	
Head clerks to Nazarat establishment room—						
Eave boards	1	147 9	..	1 2¾	182	
Barge boards	4	9 9	..	1 5	55	
,, at ends	8	2 0	..	2 8	43	
Between barge board	2	1 3	..	2 0	5	
Cover boards	4	11 9	..	0 11	43	
Verandah eave boards	1	255 0	..	1 2¾	314	
Total, square feet	..	..	..	..	..	1,048

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.
1	2	3	4	5	6	7
Galvanized iron wire netting ¾″ mesh to be nailed in space between open ceiling and rafters behind ventilators.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Behind ventilators	24	3 9	..	2 0	180	
Total, square feet ..	..	..	..	..	..	180
Teakwood railing.						
For dais including fixing and varnishing complete	..	..	..	..	20	20
Lead sheeting $\frac{3}{32}$″ thick.						
Valley gutters allowing for overlapping at joints						
gumastahs' room leading to verandah roof ..	2	18 6				
Over head clerk and Nazarat establishment rooms	2	18 6	1 10	lb. 5 56	1,506	
Over head clerk and Nazarat establishment rooms leading to rear verandah	2	18 6				
Front verandahs	2	18 6				
Total lb. ..	..	..	..	..	..	1,506
Punkahs, complete for court	..	..	..	..	16	16
Cast iron rain water pipes.						
Heads for 4″ Diamr. pipe	4	..	..	..	4	No. 4
Offsets 4″ Diamr. ,, ...	4	..	..	..	4	No. 4
Bends 4″ Diamr. ,, ...	4	..	..	..	4	No. 4
Pipes 4″ Diamr.						
Front	2	× 14½	= 28½	..	..	
	2	× 11¾	= 23½	..	..	
Rear	2	× 12¼	= 25½	..	..	
	2	× 11¾	= 23½	..	..	
Total, Lineal feet ..	..	..	101	..	..	101
Imported sheet iron ventilators on sides of tie beams	..	..	..	..	28	No. 28
Stone slab in front gable 3′ × 1½′ × 6″ with date of erection cut into it	..	..	..	..	1	No. 1

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
		RS. A. P.		RS.	RS.
12,015 c. ft. ..	Excavation for foundation	4 10 0	1,000 c. ft.	56	
10,647 ,, ..	Concrete	14 0 0	100 ,,	1,491	
3,560 ,, ..	Brickwork in foundation and basement with stock bricks	20 0 0	Do.	712	
9,932 ,, ..	Brickwork in superstructure with stock bricks ..	22 0 0	Do.	2,185	
356 ,, ..	Arch work, segmental	25 0 0	Do.	89	
46 ,, ..	Stone work	2 0 0	Cubic foot.	92	
5,920 ,, ..	Earth filling in basement	3 0 0	1,000 c. ft.	18	
60 ,, ..	Teakwood in trusses wrought, framed and put up.	3 12 0	Cubic foot.	225	
682 ,, ..	Do. in purlins, rafters and verandah posts, &c.	3 8 0	Do.	2,387	
619 lb. ..	Wrought iron work	0 3 0	lb.	116	
472 sq. ft...	Teakwood venetian and panel doors with iron hinges fastenings complete 4½′ × 8′ with frames	1 0 0	Square foot.	472	
144 ,, ..	Teakwood venetian and panelled doors with iron hinges fastenings complete 4′ × 8′ with frames	0 14 0	Do.	126	

Estimate Form—Abstract—*cont.*

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
		RS. A. P.		RS.	RS.
44 S. ft. ..	Batten doors 5½′ × 8′ with frames strong iron strap hinges hooks hasps staples complete	0 12 6	Square foot.	34	
297 ,, ..	Venetian windows 4½′ × 5′ with frames ..	1 0 0	Do.	297	
117 ,, ..	Do. do. with glass above with 1″ Diamr. iron bars, iron hinges fastenings complete	1 4 0	Do.	146	
20 ,, ..	Venetian windows 4½′ × 5′ without glass heads ..	1 0 0	Do.	20	
168 ,, ..	Ventilators with glazed shutters moving on side pivots	0 11 0	Do.	116	
7,159 ,, ..	Roofing with Mangalore tiles including 2″ × 1″ teak reepers and wind tie complete	18 0 0	100 sq. ft.	1,289	
2,573 ,, ..	Ceiling boards ¾″ thick tongued and grooved ..	33 0 0	Do.	849	
5,056 ,, ..	Flooring with Cuddapah slabs 2″ thick on a 4″ bed of concrete	22 0 0	Do.	1,112	
1,313 ,, ..	Damp proof course with ½″ thick asphalte ..	17 0 0	Do.	223	
0,067 ,, ..	Plastering interior with chunam, two coats polished.	2 8 0	Do.	252	
897 ,, ..	Do. with Portland cement ½″ thick ..	6 8 0	Do.	58	
5,045 ,, ..	Pointing exterior black	3 0 0	Do.	151	
4,194 ,, ..	Painting verandah uprights and windows exposed to the weather with three coats, chacolate paint.	2 9 6	Do.	109	
5,615 ,, ..	Staining doors and windows protected by verandah inside building with two coats of wood oil ..	0 15 0	Do.	53	
1,048 ,, ..	Painting with three coats of white lead paint ..	2 10 0	Do.	28	
180 ,, ..	Galvanized iron wire netting ¾″ mesh	0 4 0	Square foot.	45	
20 R. ft. ..	Teakwood railing for dais including fixing and varnishing complete	1 8 0	R. ft.	30	
1,506 lb. ..	Lead sheeting $\frac{3}{32}$″ thick, valley gutters allowing for overlap at joints	0 3 0	lb.	282	
16 R. ft...	Punkahs complete for court	1 8 0	R. ft.	24	
4 No. ..	Cast iron rain water pipe heads for 4″ Dr. pipes.	3 0 0	each.	12	
4 ,, ..	Do. do. offsets 4″ Dr. do.	5 0 0	Do.	20	
4 ,, ..	Do. do. bends 4″ Dr. do.	3 0 0	Do.	12	
101 L. ft. ..	Do. do. pipes 4″ Dr. do.	0 14 0	Lineal foot.	88	
28 No. ..	Perforated iron ventilators on sides of tie beams ..	1 0 0	each.	28	
1 ,, ..	Stone slabs in front gable 3′ × 1½′ × 6″ with date of erection cut into it	15 0 0	Do.	15	
	Contingencies at 5 per cent. ..	..	..	665	13,262
	Petty supervision at 2½ per cent. ..	..	..	333	
					998
	Grand Total of Estimate ..	..	..	..	14,260

NOTE.—Rates according to Madras schedule.

(Signed) G. S. T. HARRIS,
Consulting Architect to Government.

ENCLOSURES.

REPORT and specification to accompany the plan and estimate for revised standard design of Court-house for a Sub-Judge or District Munsif with terraced roof according to drawing signed by the Consulting Architect on 5th March 1895.

Amount of estimate, Rs. 13,080 according to Madras rates.

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

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

Stonework.—Stone slabs should be placed at the bearing of beams. The steps may also be of stone, if procurable without great expense.

Woodwork.—The beams and joists to be of well-seasoned Burma teakwood, or any other durable wood proof against white ants: where sound wooden beams of the sizes required are not available, rolled steel beams may be used; the strength to be calculated according to instructions given in G.O., No. 480 W., dated 1st March 1895.

Doors and windows.—To be of well-seasoned Burma teakwood. All doors opening into verandahs will be one-third panel and two-third venetians; inner doors to be entirely panelled; the windows for the record and property rooms will have single venetianed shutters opening outside with ¾″ square iron bars set diagonally. The ventilators will consist of a glazed shutter to open and shut on side pivots.

Cornice.—In place of the usual cornice, Cuddapah or any other similar slabs resting on brick corbels will be fixed throughout the building. The slabs to be well fitted and the joints neatly pointed with cement.

Roofing.—The roofing to consist of "pucca terracing," care being taken that proper slopes are made towards the weep holes; to be made about 2 feet apart in the parapet wall; the rain water will flow over the slabs and fall clear of the building.

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

Interior and Exterior finishing.—The interior walls will be fine plastered and polished, or plastered and whitewashed. Where good bricks or stone is obtainable, the exterior should be pointed. In damp soil the exterior plinth and walls inside rooms, 3 feet above floor, should be plastered with Portland cement.

Painting.—The roof timbers may be painted three coats light sage green, or stained with wood oil. The doors and windows to be painted with three coats oak paint, the panels and venetians light oak, and the frames, rails and stiles dark oak.

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

11th July 1895.

(Signed) C. C. RAWSON, Lt.-Col., R.E.,
In charge Consulting Architect's Division.

Revised standard design of Court-house for a Sub-Judge or District Munsif.

Estimate Form—Detail Measurements.

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Earthwork—Excavation for foundation.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Court room walls	1	79 0				
Long walls of gumastahs, copyists, head clerk, judge's retiring, vakils and Nazarat establishment rooms	1	241 6				
Cross walls of gumastahs, copyists, head clerk, judge's retiring, vakils and Nazarat establishment rooms	5	13 0				
Record and property room walls	2	53 0				
Front verandah walls	1	176 7				
Rear do.	1	60 7				
Total	..	728 8	3 6	4 6	11,477	..
Dais walls	1	23 0	3 0	2 0	138	..
Front step	1	20 0				
Rear step	1	11 0				
Total	..	31 0	2 6	1 0	78	..
Ramp to property room	1	8 0	6 0	1 0	48	..
Total, Earthwork—Excavation for foundation	..	..	..	..	11,741	11,741
Concrete.						
Walls above	1	728 8	3 6	4 0	10,201	
Dais walls above	1	23 0	3 0	1 6	104	
Front step	1	20 0	2 6	1 0	50	
Rear step	1	11 0	2 6	1 0	28	
Ramp to property room	1	8 0	6 0	1 0	48	
Steps to dais	2	4 0	2 6	1 0	20	
Total, Concrete	..	..	..	..	10,451	10,451

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.
1	2	3	4	5	6	7
Brickwork in foundation and basement.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Court room walls	1	81 0				
Long and cross walls of gumastahs, copyists, head clerk, judge's retiring, vakils and Nazarat establishment rooms including screen walls	1	270 2				
Record and property room walls in rear verandah	2	7 6				
Total	..	366 2	1 6	2 6	1,373	..
Outer walls—Record and property rooms, end walls of gumastahs and Nazarat establishment rooms and front and rear verandahs	1	383 3	1 8½	2 6	1,617	
Dais walls	1	25 0	1 1½	2 6	70	
Steps at front	1	19 0	3 0	0 6	29	
Do. at rear	1	10 0	3 0	0 6	15	
Do. at front	1	17 0	2 0	0 6	17	
Do. at rear	1	8 0	2 0	0 6	8	
Do. at front	1	15 0	1 0	0 6	8	
Do. at rear	1	6 0	1 0	0 6	3	
Ramp to property room	1	8 0	6 0	1 0	48	
Total, Brickwork in foundation and basement	..	..	..	..	..	3,188
Brickwork in superstructure.						
Court room walls	1	102 0	1 6	18 0	2,754	
Front, rear and end walls of main building	1	220 6	1 6	15 0	4,961	
Cross walls in main building	1	75 0	1 1½	15 0	1,266	
Record and property room walls	2	55 0	1 6	12 0	1,980	
Front verandah walls	1	178 7	1 6	12 0	3,215	
Rear verandah walls	1	62 7	1 6	12 0	1,126	
Dais walls	1	25 0	0 9	1 6	28	
Do. steps	2	3 0	2 0	0 9	9	
Binding wall	5	15 0	1 1½	0 6	42	
Do.	2	7 6	1 6	0 6	11	
Total	..	..	..	..	..	15,392
Deductions.						
Outer faces between pilasters of main end walls.	2	14 2	0 4½	13 3	141	..
Do. do. do. of front verandah walls	1	141 5½				
Do. do. do. of rear do.	1	53 4				
Do. do. do. of record-room walls	1	36 7½				
Do. do. do. of property do.	1	28 4½				
Total	..	259 9½	0 4½	10 6	1,023	..
Verandah openings, 6½′ span up to bottom of head	6	6 6				
Do. 6½′ do. do.	6	6 3				
Do. 6½′ do. do.	10	6 1½				
Do. 6½′ do. do.	1	6 1				
Do. 4½′ do. do.	2	4 6				
Total	..	152 10	1 1½	6 6	1,118	..
Verandah openings, 6½′ span above bottom of head	6	6 0				
Do. 6½′ do. do.	6	5 9				
Do. 6½′ do. do.	10	5 7½				
Do. 6½′ do. do.	1	5 7				
Do. 4½′ do. do.	2	4 0				
Total	..	140 4	1 1½	1 6	237	..
Doors including segmental head.						
Doors—Court room	6	4 6	1 6	9 3	375	
Do. Between court and main rooms	2	3 0	1 6	9 3	83	
Do. Main rooms	10	4 0	1 6	8 3	495	
Do. Property room	1	5 6	1 6	8 3	68	
Do. Cross walls	2	4 0	1 1½	8 3	74	

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.
1	2	3	4	5	6	7
Deductions—cont.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Doors including segmental head—*cont.*						
Windows—Court room	2	4 6	1 6	6 3	84	
Recess below windows of court room ..	2	4 6	0 6	3 0	14	
Windows—Main room	8	4 0	1 6	5 3	252	
Do. do. in end walls	2	4 0	1 1½	5 3	47	
Do. Record and property rooms ..	9	2 0	1 1½	5 3	106	
Do. do. do. ..	2	2 0	1 6	5 3	32	
Recessss below window of main rooms ..	8	4 0	0 6	3 0	48	
Ventilators, court rooms	6	3 0	1 6	1 9	47	
Stone slabs under beams	4	2 0	1 6	0 6	6	
Archwork as per details	..	..	..	..	603	
Total, Deductions ..	..	..	..	..	..	4,853
Total, Brickwork in superstructure—less deductions ..	..	..	..	..	..	10,539
Brickwork in parapets, cornices, &c.						
Parapet over court	1	100 6				
Do. over main rooms	1	219 9				
Do. over front verandah	1	177 10				
Do. over rear verandah, record and property rooms	1	156 5½				
Total ..	..	654 6½	1 1½	2 6	1,841	
Cornices under Cuddapah slabs.						
Court room	1	109 6				
Main rooms	1	228 0				
Front verandah	1	182 3				
Rear verandah, record and property rooms ..	1	161 4				
Total ..	..	681 1	0 4½	1 0	255	
Brackets in cornice	67	1 1½	0 4½	1 0	28	
Cornice over doors, windows and ventilators ..	1	230 0	0 3	0 3	14	
Total, Brickwork in parapets, cornices, &c. ..	..	..	..	..	..	2,138
Archwork, Segmental.						
Verandah arches, 6½′ span	6	7 3				
Do. 6¼′ do.	6	7 0				
Do. 6¼′ do.	10	6 9				
Do. 6⅛′ do.	1	6 8				
Do. 4½′ do.	2	5 9				
Over doors in cross walls	2	5 6				
Do. windows in end walls	2	5 6				
Do. do. in record and property rooms ..	9	3 3				
Total ..	..	222 5	1 1½	1 1½	281	
Over doors in court	6	5 9				
Do. in court room	2	4 9				
Do. in main rooms	10	5 6				
Do. in property rooms	1	6 3				
Over windows in court room	2	5 9				
Do. ventilators in court room	6	4 0				
o. windows in main building	8	5 6				
D . do. in record and property rooms ..	2	3 0				
Total ..	..	190 9	1 6	1 1½	322	
Total, Archwork ..	..	..	..	..	..	603
Stonework.						
Stone slabs under beams for court room ..	4	2 0	1 6	0 6	6	
Do. do. for record and property rooms ..	2	2 0	1 6	0 6	3	
Do. do. for do. ..	2	1 6	1 1½	0 6	2	
Do. do. for verandah angle beams ..	8	1 6	1 6	0 6	9	
Total, Stonework ..	..	..	..	..	..	20

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.
1	2	3	4	5	6	7
Earth-filling in basement.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Court room	1	30 0	18 0	1 6	810	
Gumastah's, copyists', head clerk's, judge's retiring, vakils' and Nazarat establishment rooms.	1	99 0	15 0	1 6	2,228	
	1	7 6	8 0	1 6	90	
Dais	2	18 0	16 0	1 6	864	
Record and property rooms	1	160 7				
Front verandah	1	62 7				
Rear do.						
Total ..	..	223 2	7 6	1 6	2,511	
Total, Earth-filling in basement ..	..	..	..	..	..	6,503
Teakwood, wrought and put up.						
Court room, 18′ span—						
Beams	2	21 0	0 10½	1 5	52 0¾	
Joists, centre, bay	13	10 9				
Do. end, bay	26	11 1½				
Total ..	..	429 0	0 3	0 7	62 6¾	
Gumastah's, copyists', head clerk's, judge's retiring, vakils' and Nazarat establishment rooms, 15′ span—						
Joists	70	17 0	0 3½	0 10	289 3	
Record and property rooms, 16′ span—						
Beams	2	18 6	0 10	1 4	41 1⅛	
Joists	48	10 0	0 3	0 6	60 0	
Front verandah—						
Angle beams	4	14 0	0 6	0 7	16 4	
Joists	91	9 0				
Do. angles	8	6 9				
Do. do.	8	5 3				
Do. do.	8	3 9				
Do. do.	8	2 6				
Rear verandah—						
Joists	43	9 0				
Total ..	..	1,352 0	0 3	0 5	140 10	
Total, Teakwood, wrought and put up ..	..	..	..	..	662 1⅝	662
Two-thirds Venetian and one-third Panelled Doors.						
To court room, 4½′ × 9½′ with frames, 5″ × 4″, and iron fittings, &c., complete	6	4 6	..	9 3	250	
To main rooms, front and rear, 4′ × 8′, with frames, 5″ × 4″, and iron fittings, &c., complete	9	4 0	..	8 0	288	
Total, Venetian and Panelled doors S. ft. ..	..	..	..	..	..	538
Panelled Doors.						
To record and main rooms—doors, 4′ × 8′, with frames, 5″ × 4″, and iron fittings, &c., complete	3	4 0	..	8 0	96	
Doors between court and main room, 3′ × 9′, with frames, 5″ × 3½″, and iron fittings, &c., complete—single shutters	2	3 0	..	9 0	54	
Total, Panelled doors S. ft. ..	..	..	..	..	..	150
Batten Doors.						
To property room, 5½′ × 8′, with frames, 5″ × 4″, strong iron straps and iron fittings, &c., complete	1	5 6	..	8 0	44	
Tatal, Batten doors S. ft. ..	..	..	..	..	..	44
Venetian Windows.						
To court room, 4⅓′ × 6′, with frames, 5″ × 4″, and iron fittings, &c., complete	2	4 6	..	6 0	54	
To main rooms, 4′ × 5′, with frames, 5″ × 3″, and iron fittings, &c., complete	10	4 0	..	5 0	200	
Total, venetian windows S. ft. ..	..	..	..	..	..	254

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.
1	2	3	4	5	6	7
Iron-barred Venetian Windows.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
To record and property rooms, 2′ × 5′, with frames, 6″ × 3″, iron bars and necessary iron fittings, &c., complete	11	2 0	..	5 0	110	
Total, Venetian windows with iron bars S. ft. ..	..	..	..	..	..	110
Ventilators with glazed shutters moving on side pivots.						
To court room, 3′ × 1½′, with frames 4″ × 3″, and iron fittings, &c., complete	6	3 0	..	1 6	27	
Total, Ventilators with glazed shutters, &c. S. ft. ..	..	..	..	..	..	27
Cuddapah slabs, cornice.						
Court room	1	108 0				
Main rooms	1	226 6				
Record and property rooms and rear verandah ..	1	160 7				
Front verandah	1	181 7				
Total ..	..	676 8	3 0	..	2,030	
Total, Cuddapah slabs, cornice S. ft. ..	..	..	..	..	..	2,030
Terrace Roofing.						
Court room	1	31 0	19 0	..	589	
Gumastah's room	1	27 7½				
Copyists' do.	1	14 6				
Head clerk's do.	1	13 3				
Judge's retiring room	1	11 9				
Vakils' room	1	19 0				
Nazarat establishment room	1	17 0				
Total ..	..	103 1½	16 0	..	1,650	
Record and property rooms	2	19 0	17 0	..	646	
Rear verandah	1	63 7				
Front do.	1	161 6½				
Total ..	..	225 1½	8 6	..	1,914	..
Total, Terrace roofing, S. ft. ..	..	..	..	..	..	4,799
Flooring with Cuddapah slabs on a 4″ bed of concrete.						
Court room	1	30 0	18 0	..	540	
Gumastah's, copyists', head clerk's, judge's retiring, vakils' and Nazarat establishment rooms..	1	97 1½	15 0	..	1,457	
Record and property rooms	2	18 0	16 0		576	
Rear verandah	1	62 7				
Front do.	1	160 7				
Total ..	..	223 2	7 6	..	1,674	
Door pieces of court and head clerk's rooms ..	7	4 6				
Do. of property room	1	5 6				
Do. between court and head clerk's room.	2	3 0				
Do. of main room	6	4 0				
Total ..	..	67 0	1 6	..	101	
Door pieces of cross walls	2	4 0	1 1½		9	
Window pieces in court room	2	4 6	0 6	..	5	
Do. in main rooms	11	4 0	0 6	..	22	
Verandah openings, 6′ 6″ span	6	6 6				
Do. 6′ 3″ do.	6	6 3				
Do. 6′ 1½″ do.	10	6 1½				
Do. 6′ 1″ do.	1	6 1				
Do. 4′ 6″ do.	2	4 6				
Total ..	..	152 10	1 6	..	229	
Total, Flooring with Cuddapah slabs on a 4″ bed of concrete, S. ft. ..	..	..	..	..	..	4,613

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.
1	2	3	4	5	6	7
Plastering, Interior.		FT. IN.	FT. IN.	FT. IN.		
Court room	1	96 0	..	17 8	1,656	
Gumastas' room	1	83 3				
Copyists' do.	1	57 0				
Head clerk's do.	1	54 6				
Judge's retiring room	1	51 6				
Vakils' room	1	66 0				
Nazarat establishment room	1	62 0				
Total ..	..	374 3	..	14 3	5,333	
Record and property rooms	2	68 0	..	11 3	1,530	
Door jambs and soffits of court room	6	23 0				
Do. do. do.	2	21 6				
Do. do. of front and rear verandahs	10	20 6				
Do. do. of property room ..	1	22 0				
Total ..	..	544 0	1 1	..	589	
Door jambs and soffits in cross walls	2	20 6	0 8½		29	
Window jambs and soffits	2	17 0	1 1		37	
Do. cills	2	4 6	0 7		5	
Do. sides of recess	2 × 2	..	0 7	3 0	7	
Do. do.	2 × 8	..	0 6	3 0	24	
Do. sides, soffits and cills	8	18 6	1 1	..	160	
Do. do. do.	2	18 6	0 8½		26	
Do. do. do.	9	14 6	0 7½		82	
Do. do. do.	2	14 6	1 0		29	
Do. do. do.	6	9 6	1 2	..	67	
Ventilators, sides, soffits and cills	1	17 6	..	1 6	26	
Sides of dais	4	2 0	..	0 6	4	
Ends of steps in dais						
Total, square feet ..	..	..	..	..	9,604	
Deductions.						
Doors in court room	6	4 6	..	9 3	250	
Do. between court room and head clerk's room.	2 × 2	3 0	..	9 3	111	
Do. in main rooms and in cross walls ..	14	4 0	..	8 3	462	
Do. in property room	1	5 6	..	8 3	45	
Windows in court room	2	4 6	..	6 3	56	
Do. in main room	10	4 0	..	5 3	210	
Do. in record and property rooms ..	11	2 0	..	5 3	116	
Ventilators	6	3 0	..	1 9	32	
Total, Deductions, square feet ..	..	..	..	..	1,282	
Net Total, Plastering, interior, less deductions, square feet	..	..	..	..	..	8,322
Pointing, Exterior.						
Plinth	1	388 0	..	2 2½	857	
Steps, sides	4	6 0	..	0 6	12	
Front verandah, interior	1	336 2	..			
Rear do. do.	1	140 2	..			
Total ..	..	476 4	..	11 3	5,359	
Front verandah, exterior	1	204 1	..	..	..	
Record and property rooms and rear verandah, exterior	1	177 1	..	..	..	
Total ..	..	381 2	..	10 10½	4,145	
Front and rear verandahs, record and property rooms and parapet walls above, exterior ..	1	342 2	..	4 0	1,369	
End walls of gumastas, and Nazarat establishment rooms, exterior	2	26 11	..	13 7½	734	
End walls of gumastas, and parapet wall above, exterior	2	23 2	..	4 3	197	
Main building, front and rear, above verandah terrace and parapet walls, exterior	1	174 2	..	5 6	958	
Spaces above end walls of verandahs, record and property rooms	4	1 6	..	3 0	18	

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.
1	2	3	4	5	6	7
Pointing, Exterior—cont.		FT. IN.	FT. IN.	FT. IN.		
Court room walls above verandah terrace, exterior	1	84 0	..	6 0	504	
Court room walls above terrace of head clerk's room	1	21 0	..	3 0	63	
Parapet walls of court room, exterior	1	108 0	..	..	..	
Do. of main room, interior	1	214 6	..	..	..	
Do. of court room, do.	1	96 0	..	..	..	
Do. of rear verandah, record and property rooms, interior ..	1	154 7	..	..	..	
Do. of front verandah, interior ..	1	175 7	..	..	..	
Total ..	..	748 8	..	2 6	1,872	
Top of parapet walls, rear verandah	1	154 7	..	..	..	
Do. front verandah	1	177 10	..	..	..	
Do. main rooms	1	219 0	..	..	..	
Do. court room	1	100 6	..	..	..	
Total ..	..	651 11	1 1½	..	733	
Sides and soffits of arch ways, 6′ 6″ span ..	6	22 0	..	..	..	
Do. do. 6′ 3″ do. ..	6	21 9	..	..	..	
Do. do. 6′ 1½″ do. ..	10	21 7½	..	..	..	
Do. do. 6′ 1″ do. ..	1	21 7	..	..	..	
Do. do. 4′ 6″ do. ..	2	20 0	..	..	..	
Total ..	..	540 4	1 1½	..	608	
Total, Pointing Exterior ..	..	..	..	..	17,429	
Deductions.						
Verandah openings, 6′ 6″ span up to head ..	2 × 6	6 6	..	..	..	
Do. 6′ 3″ do. ..	2 × 6	6 3	..	..	..	
Do. 6′ 1½″ do. ..	2 × 10	6 1½	..	..	..	
Do. 6′ 1″ do. ..	2 × 1	6 1	..	..	..	
Do. 4′ 6″ do. ..	2 × 2	4 6	..	..	..	
Total ..	..	305 8	..	6 6	1,987	
Verandah openings, 6′ 6″ span above head ..	2 × 6	6 0	..	..	..	
Do. 6′ 3″ do. ..	2 × 6	5 9	..	..	..	
Do. 6′ 1½″ do. ..	2 × 10	5 7½	..	..	..	
Do. 6′ 1″ do. ..	2 × 1	5 7	..	..	..	
Do. 4′ 6″ do. ..	2 × 2	4 0	..	..	..	
Total ..	..	280 8	..	1 6	421	
Doors, including segmental head—						
In court room	6	4 6	..	9 3	250	
In main room	9	4 0	..	..	..	
In property room	1	5 6	..	..	..	
Total ..	..	68 6	..	8 3	565	
Windows, including segmental head—						
In court room	2	4 6	..	6 3	56	
In main room	10	4 0	..	..	..	
In record and property rooms	11	2 0	..	..	..	
Total ..	..	62 0	..	5 3	326	
Ventilators	6	3 0	..	1 9	32	
Total, Deductions, square feet ..	..	..	..	..	3,637	
Net Total, Pointing, exterior, less deductions, square feet	..	..	..	..	..	13,792
Painting Doors and Windows with three coats of Oak paint.						
Two-third venetian and ⅓ panel doors—						
To court room	3½ × 6	4 6	..	9 0	790	
To main room, front and rear	3½ × 9	4 0	..	8 0	936	
Panel doors to court room	2½ × 2	3 0	..	9 0	122	
Do. to record and copyists' room ..	2¼ × 3	4 0	..	8 0	216	

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.
1	2	3	4	5	6	7
Painting Doors and Windows with three coats of Oak paint—cont.		FT. IN.	FT. IN.	FT. IN.		
Batten doors to property room	2¼ × 1	5 6	..	8 0	99	
Venetian windows to court room	3½ × 2	4 6	..	6 0	189	
Do. to main rooms	3½ × 10	4 0	..	5 0	700	
Do. to record and property rooms.	3½ × 11	2 0	..	5 0	385	
Ventilators to court room	6	3 0	..	1 6	27	
Total, Painting doors and windows with 3 coats of Oak paint, square feet	..	..	..	..	..	3,464
Wood-oiling Roof timbers.						
Court room—						
Beams	2	21 0	4 7	..	193	
Joists, centre, bay	13	10 9	..	..	..	
Do. end, bay	26	11 1½	..	..	..	
Total ..	..	429 0	1 8	..	715	
Main rooms—						
Joists	70	17 0	2 3	..	2,678	
Record and property rooms—						
Beams	2	18 6	4 4	..	160	
Joists	48	10 0	1 6	..	720	
Front verandah—						
Angle beams	4	14 0	2 2	..	121	
Front and rear verandahs—						
Joists	..	1,352 0	1 4	..	1,803	
Total, Wood-oil painting, square feet ..	..	..	..	..	..	6,390
Dais railing.						
Dais railing, R. feet	..	20 0	..	..	..	20
Punkahs.						
Court room	1	10 0	..	..	10 0	
Private room	1	6 0	..	..	6 0	
Total, punkahs, R. feet ..	..	..	..	..	..	16

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
		RS. A. P.		RS.	RS.
11,741 c. ft. ..	Excavation for foundation	4 10 0	1,000 c. ft.	54	
10,451 ,, ..	Concrete in foundations with broken clinker bricks	14 0 0	100 ,,	1,463	
3,188 ,, ..	Brick-work in foundations and basement with stock bricks	20 0 0	100 ,,	637	
10,539 ,, ..	Brick-work in superstructure with stock bricks ..	22 0 0	100 ,,	2,319	
2,138 ,, ..	Brick-work in parapets, cornices, &c.	24 0 0	100 ,,	513	
603 ,, ..	Archwork	25 0 0	100 ,,	151	
20 ,, ..	Stone slabs dressed under beams	2 0 0	Cubic foot.	40	
6,503 ,, ..	Earth filling in basement	3 0 0	1,000 c. ft.	20	
662 ,, ..	Teakwood wrought and put up	3 8 0	Cubic foot.	2,317	
538 s. ft. ..	Two-third venetian and one-third panel doors with iron fittings, &c., complete	1 0 0	Square foot.	538	
150 ,, ..	Panel doors with iron fittings	0 14 0	Do.	131	
44 ,, ..	Batten doors with iron fittings	0 12 6	Do.	34	
254 ,, ..	Venetian windows with iron fittings	1 0 0	Do.	254	
110 ,, ..	Venetian windows with iron bars and iron fittings.	1 4 0	Do.	138	
27 ,, ..	Ventilators with glazed shutters and iron fittings.	0 11 0	Do.	19	
2,030 ,, ..	Cuddapah slabs for cornices including fixing, complete	25 0 0	100 sq. ft.	508	

Estimate Form—Abstract—*cont.*

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
		RS. A. P.		RS.	RS.
4,799 S. ft. ..	Terrace roofing with brick on edge 3″ concrete and 3 courses of flat tiles plastered and polished on top and ceiling	25 0 0	100 sq. ft.	1,200	
4,613 „ ..	Flooring with Cuddapah slabs 2″ thick on a 4″ bed of concrete pointed with tar and asphalte ..	22 0 0	100 „	1,015	
8,322 „ ..	Plastering interior with chunam, 2 coats, polished.	2 8 0	100 „	208	
13,792 „ ..	Pointing exterior black with tar and asphalte ..	3 0 0	100 „	414	
3,464 „ ..	Painting doors and windows with 3 coats Oak paint.	2 5 0	100 „	80	
6,390 „ ..	Wood-oiling roof timbers, 3 coats	0 15 0	100 „	60	
20 L. ft. ..	Wooden railing for dais including fixing and varnishing, complete	1 8 0	Lineal foot.	30	
16 „ ..	Punkahs, complete, including wheel, &c. ..	1 8 0	Do.	24	
					12,167
	Petty supervision ..	2 8 0	Cent.	..	305
	Contingencies ..	5 0 0	Do.	..	608
	Grand Total of estimate ..	..	..	..	13,080

NOTE.—The rates affixed are according to Madras Schedule of rates.

CHEPAUK,
12th July 1895.

(Signed) C. C. RAWSON, Lt.-Col., R.E.,
In charge, Consulting Architect's Division.

ORDER—No. 748 W., dated 15th March 1897.

The revised type designs, with descriptive specifications and schedules of quantities for District Munsifs' Court-houses with terraced and tiled roofing, will be circulated to officers of the department in supersession of previous designs.

2. The explanatory statement submitted by the Consulting Architect with his endorsement No. 5256, dated 25th February 1897, disposes of the points raised in G.O., No. 203, Judicial, dated 6th February 1897.

(True Extract.)

Under Secretary to Government.

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

Ex'd. C. M. Thumbuswamy.

Revise type design for District Munsifs' Court buildings

No. 748 Wks dt. 15.3.97

DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Memo.
Judicial Dept. No. 1925 dated 23.9.96
From the C.A. to Govt. No. 3857 — dt. — 26.10.96
— — — — — — No. 4179 — dt. — 17.11.96
Memo. in the P.W. Dept. — No. 1436 — dt. — 11.1.97
Proc. Judicial Dept. — No. 203 — dt. — 6.2.97
From the C.A. to Govt. — No. 5256 — dt. — 25.2.97

Paint. with 2 coats of Snowcem as an alternative to oil paint. Plain tiles also allowed.

The revised type designs, with descriptive specification and schedules of quantities, for District Munsifs' Court-houses with terraced and tiled roofing, will be circulated to officers of the Department in supersession of previous designs.

2. The explanatory statement submitted by the Consulting Architect with his endorsement No. dated 25th Feby 1897 disposes of the points raised

A4H 12.3.97

The Chief Secretary, for favour of communication.

W. 40.
000—16-1-97.

Rec. No 2103 for 1897

Feby 1897.

Curd 5:3:97. 6/3/97

AE 9/3/97

Draft 9/3/97.

(Plans returned
To
Will you arrange please
about letter forwarding the
plans. Rec
13/3/97

To T—
B—

To Supdg—Engr—
CA. Officer—
Asst—Draftsman— 20/6/97

BACK PAPERS. MUTILATED PAPERS.

Public Works (1897) Department.

CURRENT No. 2103

Order 8.

From

The Consulting Architect
to the Government
of Madras

No. 5256

Dated 25th February 1897

Received 26-2-97

Enclosures 1 file 7 papers 15 (+4 Plans)

Spare copies

SUBJECT.

Submitting an statement explaining cause of difference in estimate items of Tenancy & Jail designs for District Munsiffs Court houses.

BACK PAPERS.

G.O.	No.	Department.	Date.
	1077c	Jud.	23-2-97
	1446	"	11-1-97
	143c	"	11-1-97
	3502C	"	3-10-96
	2569N	"	4-9-96
	4985	"	20-6-96
	2476c	"	6-6-96
	1791N	"	17-6-96
	2555N	"	18-10-95
	~~to be returned from Despatch~~		
	~~Despatched~~		

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Public Works (1897) Department.

CURRENT No. 1508

cd. 131 within

6

CONSULTING ARCHITECT TO THE GOVERNMENT OF MADRAS. 3977 24 FEB. 97

From

No. 1077 C of 23rd Feby 1897 The Judicial Dept

Order on.

J. C. A.

for favour

Q No. 203.

remarks.

20/2/97

W

Contd 20.2.97

Dated 6th February 1897.

Received 11.2.97

Registered 11.2.97

Enclosures 12 13 (+4 Plans)

Spare copies

I

B P K S 23/2/97

Dp. 5256 J: 25.2.97

To W.

Statement explaining cause of difference in certain items of Terraced & Tiled design herewith forwarded

C. A to Govt

SUBJECT.

Approving with the remarks the revised plans and Estimate for Constructing Dt Munsif Court houses with terraced roofs.

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

E. No. 12

CIRCLE— 9

DIVISION—

DISTRICT—

ESTIMATE FORM.—Comparative Statement of Differences.

To accompany the Revised Estimate

No. of 189 -9 , for *

* Here enter the Name and Description of work in full.

Terraced and Tiled designs.

ESTIMATE FORM.—Comparative Statement of Differences. for certain Items in

Description of Work.	Original Estimate. Terraced design			Revised Estimate. Tiled design			More.	Less.	Explanation of Difference.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.			
1	2	3	4	5	6	7	8	9	10
	C ft	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	
Excavation for foundation	11741	4·10·0	54	12015	4·10·0	56	2		Excess in foundations is due to the
Concrete do	10467	4·0·0	1163	10647	4·0·0	1491	28		plinth in the tiled design being
Brickwork do	3188	20·0·0	637	3560	20·0·0	712	75		made half a brick thicker than
									the wall above and the concrete bed
									correspondingly thicker. The foun-
									dations in type plans are merely
									assumed, the actual depths & widths
									required should be decided accord-
									ing to the nature of the soil
									where the building is to be erected.
Plastering interior with Chunam	Sq ft 8322	2·8·0	208	10067	2·8·0	252	44		Area of wall space greater in tiled than terraced design — Ceiling plastering in terraced building is always included in cost of terraced roof.
Flooring with Cuddapah Slabs	4613	22·0·0	1015	5056	22·0·0	1112	97		Less quantity in terraced design owing to larger sectional area of brick piers in Verandah, the tiled design having timber uprights of small section.
Venetian windows with frames	254	1·0·0	254	297	1·0·0	297	43		Excess due to an additional window in Vehicle room and a window in place of door in Cofyjeto room.
Venetian windows with glass shutters & iron bars	110	1·4·0	138	117	1·4·0	146	8		Excess due to size of window in tiled design being 1/4 ft higher than those provided for terraced design.
Do without glass shutters				20	1·0·0	20	20		
Ventilators with glazed Shutters	27	0·11·0	19	168	0·11·0	116	97		Excess due to a greater number of Ventilators provided in tiled design; these are great hooms. — The correction was not made in this Office.
Batten door	44	0·12·6	34	44	0·17·6	36			

12 15

STATION Chepauk 3 4 3 3 4 3 3 3

Dated 25 February 189 7

5,000—16-5-95.

Lui Davis

~~Executive Engineer.~~

Consulting architect to Govt

C.A 37 960—6-5-95.

12

REPORT and specification to accompany the plan and estimate for Revised Standard design of Court house for Sub Judge or District Munsif with tiled roof according to drawing signed by the Consulting architect to Govt dated 16th November/96

Amount of Estimate, Rs. 11,274/-

Reference.—

REPORT.

General Specification

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

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

Stonework Stone slabs should be placed at the bearings of the trusses and stones under verandah posts with mortice holes 2"×2"×2" deep into which the posts will be tenoned. The steps may also be of stone, if procurable without great expense.

The trusses, Verandah posts, fascia and barge boards should be of Burmah teak, the purlins, rafters and ceiling joists and other minor roof supports may be of approved country wood, proof against white ants. Wood work

To be of well seasoned Burmah teak wood and supplied with approved Iron hinges, bolts & holding down hooks. The Ventilators will have glazed shutters to open & shut on side pivots. Doors & Windows

The roof will be covered with mangalore tiles on teak purlins 2"x1". All valleys should be protected with $\frac{3}{32}$ lead sheet or 17 zinc sheets 12 or 16 B.W.G. The interior of rooms to be ceiled with matched 5" teak planking $\frac{3}{4}$" thick tongued and grooved & screwed to 4"x2½" joists 2 screws to each plank. The joists will be secured to the tie beams with iron knees $\frac{3}{16}$" thick. Where the ceiling joists have to span a greater distance than 10 feet as in the Gymnasium, Head Clerk's & Copyists rooms, they will be suspended to the rafters by battens 2"x1". at about intervals of every 3 rafters the battens will be secured Roofing

secured to the rafters with iron knees $\frac{3}{32}$" thick and screws and simply screwed to the joists. On each side of the tie beam and about 9" inches from wall Ventilators will be provided cut out of thin sheet iron painted light grey and pinned over round holes in the ceiling.

Flooring The floor will consist of Cuddapah slabs about 2" thick laid in mortar on a 4" bed of concrete and neatly pointed with asphalte. If Cuddapah slabs are not easily procurable, the floor may be paved with square bricks, in which case the record and property rooms should be floored with asphalte. Where the soil is damp the filling in below floors should be of river sand. The floors of Verandahs will be laid with a fall outwards of about 3/4" inch to 10 feet.

1" in 4 ft in terraced roofing

Interior and Exterior finishing:- The walls inside rooms will be fine plastered and polished or plastered and whitewashed. Where good bricks or Stone are obtainable, the Exterior should be pointed

painted, black painting for brick work with a composition of asphalte tar and sand neatly executed is preferable, as it shows the brick work to advantage and is very durable. A damp-proof course of asphalte ½" thick should be laid.

The roof timbers concealed by ceiling need not be painted. The Verandah uprights and rafters and windows exposed to the weather should be primed and then painted with 2 Coats Chocolate paint. Doors and Windows protected by Verandahs and inside building and ceiling to be wood-oiled 3 Coats. Barge boards & Eave boards painted 3 Coats white lead paint.

Painting

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

C. Irwin

Consulting Architect to Govt.

Standard Design of Court house for Sub Judge & District Munsif with Mangalore Tiled roofing. 12

S. 129.
5,000-6-5-01.

ESTIMATE FORM.—Detail Measurements

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Earth work-Excavation for foundation						
Court walls 3 Sides		78-6				
Head Clerks to Nazarat Establishment Outer walls		24-6				
Property and Record room walls 3 Sides	2	52-6				
		425	0 4	0 4	6 7650	
Gymnastahe & rooms partitions	5	12-6				
Verandah front		178-3				
Do Rear		62-3				
		203	0 3	0 4-6	4091	
Dais walls		21-9	2-0	1-0	44	
Steps	2	15-6				
Do	2	9-6				
		50	0 2	6 1-6	188	
Ramp to Property room		8-0	7-0	0 9	42	
		Total Cubft.			12015	
					(11,741 in Estimate sq ft)	
Concrete						
Court walls 3 Sides		78-6				
Head Clerk to Nazarat Establishment Outer walls		24-6				
Property and Record room walls 3 Sides	2	52-6				
		425	0 4	0 4	6800	
Carried Over					6800	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					6800	
Gymnastic store room						
partitions	5	12·6				
Verandah front		178·2				
Do rear		62·3				
		303-03	04·0		3636	
Dais walls		21·9	2·01	0	44	
Steps	2	15·6				
Do	2	9·6				
		50-02	6	1·0	125	
Ramp to Property room	1	8-07·00		7	42	
		Total Cubic ft.				10,647
Brickwork in foundations and basement.						(10451 in Temp)
Court walls 3 sides		80·7½				
Head clerks to Magazine						
Establishment Outer walls		241·6				
Property & Record room walls 3 sides.	2/5	54·7½				
		431·4½	1·10½	2·6	2022	
Gymnastic store rooms partitions	5	16·7½				
Verandah front		130·4½				
Do rear		64·4½				
		217·10½	1·6	2·6	1172	
Dais walls.		23·10½	1·1½	2·6	67	
Steps	2	15·6				
Do	2	9·6	3·0	1·0	150	
		Carried Over			3431	

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E 120.
5,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					3431	
Steps	2	13·6	2·0	0·6	42	
do	2	7·6				
do	2	11·6	1·0	0·6	17	
do	2	5·6				
Ramp	1	7·0	8-01·3		70	
		Total Cubic ft.				3560
						(3188 in T-B)
Brickwork in Superstructure						
Court walls 3 sides		81-01	6	15-3	1853	
do Gables.	2	21·0	1·6	2·7½	165	
Head Clerk to Magazine						
Establishment Outer walls		241·6	1·6	15·6	5615	
do Red Gable.	2	18-01	6	2·4½	128	
do partitions	5	15-01	1·1½	15·6	1308	
do Gables.	5	18·0	1·1½	2·4½	240	
Property and Record room walls 3	2	55-01	6	15·6	2558	
do Gables	4	19·0	1·6	2·4½	271	
Dais walls		24·3	1·1½	1·6	41	
Corbelling for wall plates		230·6	0·5	0·10½	84	12263
Deductions						
Doors in Court	6	4·6	1·6	8·0	320	
Windows do	2	4·6	1·6	5·0	68	
do recesses in do	2	4·6	0·9	3·0	20	
Ventilators in Sides	6	3·0	1·6	2·4	63	
Head Clerk to Magazine						
Establishment Doors	9	4·0	1·6	7·0	432	
Do	2	4·0	1·1½	3·0	70	
		Carried Over			979	12263

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					979	12263
Doors	2	3—0	1·6	8—	72	
Windows	12	4·0	1·6	5·3	278	
do reeessed	12	4·0	0·9	2·9	99	
Ventilators	18	3·0	1·6	2·4	189	
Door for Property room	1	5·6	1·6	8—	66	
Windows for do & Record Do	9	2—0	1·6	6—	162	
Do Do	2	2—0	1·6	5—	30	
Archwork as per details					356	
						2331
			Total	Cub ft		9932
Archwork Segmental						
Over Court Doors & windows	8	5—9	1·6	1·1½	263	
Over Hd Clerks room do	21	5·3	1·6	1·1½		
do do partitions	25	3—3	1·1½	1·1½	13	
Over Single Shutter doors in Gymnastahs & retiring rooms	2	4—0	1·6	1·1½		
Over door in Property room	1	6·9	1·6	1·1½	80	
Over windows in record and property rooms	11	3—0	1·6	1·1½		
			Total	Cub ft	356	
Stone work						
Under Iron beamings	14	2—0	1·6	0·6	21	
do Verandah posts	40	1·1½	1·1½	0·6	25	
			Total	Cft	46	

E. 120.
50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Earth filling in basement.						
Court rooms	1	29·7½	17·7½	1·6	522	
From Head clerks to Bazaar & Establishment rooms	1	94·10½	14·7½	1·6	2081	
Record and Property rooms	2	17·7½	15·7½	1·6	826	
Verandah front	1	162·9	7·3¾	1·6	2491	
Do rear	1	64·4½	7·3¾	1·6		
			Total	Cub ft	5904	
Teak wood in trusses brought and put up.						
Two trusses for Court room to span 18 ft. — Tie beams	2	21·0	4·0	7½	9	
Principal rafters	4	10·9	4·0	6½	8	
Struts	4	5·0	4·0	4	2	
Block at Head	2	1·3	0·3	0·6	1	
Two trusses for Record & Property rooms span 66 ft. — Tie beams	2	19·0	4·0	6½	7	
Principal rafters	4	10·3	0·4	0·5½	6	
Struts	4	4·9	0·4	0·4	2	
Block at Head	2	1·3	0·3	0·6	1	
Two trusses for Vakils & Nazir at rooms to span 15 ft. — Tie beams	2	18—0	4·0	6½	7	
Principal rafters	4	9·6	0·4	0·5½	6	
Struts	4	4·6	0·4	0·4	2	
Block at Head	2	1·3	0·3	0·6	1	
One truss for gymnastahs room to span 15 feet — Tie beam	1	18·0	0·4	0·6½	3	
Principal rafters	2	9·6	0·4	0·5½	3	
Struts	2	4·6	0·4	0·4	1	
Block at Head	1	1·3	0·3	0·6	1	
			Total	Cub feet	60	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Teak wood in purlins rafters						
Verandah posts &c.						
Court purlins	2	10·3				
Do	2	13·9	0·4	0·6	13	
Do	2	14·9				
Court room wall purlins	2	10·3				
Do	2	11·9	0·4	0·5	10	
Do	2	13·9				
Ridge	1	10·3				
Do	1	13·9	0·3	0 6½	6	
Do	1	19·0				
Rafters	26	13·3				
Do Jack	2	11·3				
Do do	2	8·0	0·2½	0·4	28	
Do do	2	5·0				
Do do	2	2·0				
Eave boards	2	32	0·3½	0·7	2	
Barge boards	2	11·4½	0·1	0·8	1	
Do at ends	4	2·0	0·1	1·4	1	
Between barge boards	1	1·3	0·1	1·0	1	
Cover boards	2	13·3	0·1	0·5	1	
Record & Property rooms.						
Purlins	4	13·0	0·4	0·6	18	
Do	4	14·0				
Wall purlins	4	22·6	0·4	0·6	13	
Ridge	2	13·0	0·3	0·6	8	
do	2	18·0				
Carried Over c/f					102	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forwards					102	
Valley purlins	4	16·6	0·3	0·6	8	
Gutter boards	4	16·6	1·3	0·1	7	
Purlins to support Do	4	16·6	0·2	0·½	1	
Rafters	32	12·3				
Do Jack	2X2	11·9	0·2½	0·3½	29	
Do Do	2X2	8·9				
Do Do	2X2	5·9				
Do Do	2X2	3·0	0·2½	0·3½	2	
Eave boards	2X2	19·6	0·3¼	0·1	3	
Barge Do	2X2	10·3	0·1	0·8	2	
Do Do at ends	2X4	2·0	0·1	1·4	2	
Between barge boards	2	1·3	0·1	1·0	1	
Cover boards	4	12·3	0·1	0·5	2	
Shelves	2	16·0	1·6	0·1¼	5	
Do brackets	10	2·9	0·2	0·3	1	
Head Clerk's room						
Purlins	2	16·10½	0·4	0·8	8	
Wall do	2	16·10½	0·4	0·5	5	
Ridge	1	16·10½	0·3	0·6½	2	
Copyists room Purlins	2	15·9	0·4	0·8	7	
Wall do	2	15·9	0·4	0·5	4	
Ridge	1	15·9	0·3	0·6½	2	
Gumastahs room Purlins	4	14·6	0·4	0·8	13	
Wall do	4	14·6	0·4	0·5	8	
Ridge	2	14·6	0·3	0·6½	4	
Carried Over c/f					218	

E. 120.
50,000—6-3-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					218	
Judges Retiring room Purlins	2	13·0	0·4	0·6	4	
Wall do	2	13·0	0·4	0·5	4	
Ridge	1	13·0	0·3	0·6	2	
Vakils room Purlins	4	10·3	0·4	0·6	7	
Wall do	4	10·3	0·4	0·5	6	
Ridge	2	10·3	0·	0·6	3	
Nazarat Establishment room Purlins	2	20·7½	0·4	0·6	7	
Wall do	2	20·7½	0·4	0·5	6	
Ridge	1	20·7½	0·3	0·6	3	
Head clerks to Nazarat Establishment room Rafters	62	11·9	0·2½	0·3½	44	
Jack rafters at end rooms	4	11·3				
Do	4	8·3				
Do	4	5·3				
Do	4	2·6				
Jack rafters over Gumashtahs Nazarat Establishment rooms	2	10·3	1·2½	0·3½	10	
Do	2	7·3				
Do	2	5·3				
Do	2	2·3				
Eave boards	1	176·6	0·3/4	0·7	5	
Barge boards	4	9·9	0·1	0·8	2	
Do at ends	8	2·0	0·1	1·4	1	
Between barge boards	2	1·3	0·1	1·0	1	
Cover boards	4	11·9	0·1	0·6	2	
Carried Over					326	

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E. 120.
50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					326	
Valley rafters between Court and Rear rooms	2	16·3	0·3	0·6	4	
Gutter boards	2	16·3	1·3	0·1	3	
Rafters to Support Do	2	16·3	0·2	0·½	1	
Verandah posts	40	7·3	0·5	0·5	50	
Brackets	40	1·3	0·5	0·5	9	
Check pieces	80	1·3	0·5	0·1½	5	
Base pieces	160	0·8	0·1½	0·6	7	
Bressummers		257	0·5	0·5	44	
Wall plates		234	0·4	0·3	20	
Rafters	81	10·6	0·3	0·5	89	
Jack rafters total length		162	0·3	0·5	17	
Hip & Valley rafters	4	16·3	0·3	0·6	8	
Gutter boards	2	16·3	1·3	0·1	3	
Rafters to Support Do	2	16·3	0·2	0·½	1	
Irons at Ends of Verandah to Secure boarding	2	10·0	0·3	0·4	2	
Boarding	2	10·0	0·1	2·6	4	
Eave boards	1	255·0	0·3/4	0·7	9	
Ceiling joists to Court room.						
Centre bays	7	9·8				
End bays	14	10·6				
Property & Record rooms	24	9·7				
Head Clerks room	6	14·3				
Copyists room	6	15·0				
Gumashtahs room	12	14·0				
		788·2				
Carried Over					602	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward		7882			602	
Judges Retiring room	6	12-3				
Vahicle room	12	9 6				
Sergeant Establishments room	6	7 0				
2° 2°.	6	9·10½				
		1076-11½	0·2½	0·1	75	
Ceiling Joist Suspenders	16	5-1½				
	16	3·4½				
	16	1·9				
		164	0·2	0·1	2	
Filling pieces over Ventilators	18	4·0	0·4	0·2	4	
		Total Cub ft.			683	

Wrought Iron work.

For two 18 ft trusses.

			per lb.	
1" D° King rods.	2	6·5	=12·10 ×2·62	34
1" Hex nut & bolt heads	2		=2·0×1·10	2
3" D° ⅛" thick washers	6		=6·0×0·32	2
2"×⅜" Heel Straps	4	2·9	=11·0 ×	
2"×⅜" Bearing plates	4	0·6	=2·0 } ×2·50	33
⅝" Hex nuts for do	8		=8·0×0·26	2
Caps of ⅜" plate 6" wide	2	1·6	=3·0×5·01	15
For two 16 ft Trusses.				
⅞" D° King rods.	2	6·3	=12·6×2·01	25
⅞" Hex nut & bolt heads	2		=2·0×0·73	1
3" D° ⅛" thick washers	6		=6·×0·32	2
2"×⅜" Heel Straps.	4	2·6	=10· }	
2"×⅜" bearing plates.	4	0·6	=2· } 1·50	30
		Carried Over		146

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E. 129.
50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					146	
⅝" Hex nuts for do.	8		=8·0×0·26		2	
Caps of ⅜" plates 6" wide	2	1·6	=3·0×5·01		15	
For two 15 feet Trusses.						
⅞" D° King rods	2	6·0	=12·0×2·01		24	
⅞" D° Hex nuts & bolt head	2		=2·0×0·73		1	
3" D° ⅛" thick washers	6		=6·0×0·32		2	
2"×⅜" Heel Straps	4	2·3	=9·0 }			
2"×⅜" Bearing plates	4	0·6	=2·0 }	2·50	28	
⅝" Hex nut for do	8		=8·0×0·26		2	
Caps of ⅜" plate 6" wide	2	1·6	=3·0×5·01		15	
For one 15 ft Trusses for Gymnastic rooms.						
1" King rod	1	6·0	=6·0×2·62		16	
1" Hex nuts & bolt heads	1		=1·0×1·10		1	
3" D° 1⅛" thick washers	3		=3·0×0·32		1	
2"×⅜" Heel Straps	2	2·4½	=4·9 }			
2"×⅜" bearing plates	2	0·6	=1·0 }	2·50	14	
⅝" Hex nut for do.	4		=4·0×0·26		1	
Caps of ⅜" plate 6" wide	1	1·6	=1·6×5·01		8	
For Verandah wall plates						
1½"×⅜" Straps of about 5 ft apart	48	2·6	=120×1·87		224	
Knees to fasten ceiling Joists to tie beams 3/32" thick						
For Court room	28	6"×4"×3/16"	×·26		91	
For other rooms	50					
Knees to fasten Suspenders to rafters 3/32" thick.						
In Head clerks Office & Gymnastic rooms	48	6"×4"×3/16"	×·26		28	
		Total lbs			619	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Venetian & panel doors with						
Iron hinges fastenings complete.						
Court room 4½×8 with frames 5×3½ 5×3	6	4·6 3·11		8·0 7·6	216 174	Taken in accordance with appendix G Standard specification
Head clerk's & 4×8 with frames 5×3"	8	4·0 3·6		8·0 7·6	256 210	
				Total Sq ft	384	472
Panelled doors with Iron hinges & fastenings complete.						
4'×8' with frames 5"×3" in partition walls.	3	4·0 4·6		8·0 7·6	96 77	
Sides of dais with single						
Shutter 3'×8' with frames 4" 5"×3"	2	3·0 2·6		8·0 7·6	48 38	
				Total Sq ft	117	144
Batten doors						
For Property room 6'-6"×8' with frames 5"×4" Strong iron						
Straps hinges, hooks hasps						
Staple complete.	1	5·6 4·10		8·0 7·4	44 36	44 35 Sq ft
Venetian windows						
Court room 4½×5 with frames 5"×3"	2	4·6 4·0		8·0 4·6	45 36	
Gymnastic & room 4×5¼ with frames 6"×3"	12	4·0 3·6		5·0 4·9	25·2 20·0	49
				Total Sq ft	236	297
Venetian windows with fluss above with 1" Dº iron bars, Iron hinges and fastenings complete.						
For Record & Property room 2'×6½ with frames 6"×3"	9	2·0 1·6		6·6 6·0	117 87	117 Sq ft 87 11
Dº Dº without fluss head.	2	2·0 1·6		5·6 5·0	11 8	11 Sq ft 20 Sq ft

E. 170.
50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Ventilators with glazed shutters moving on side pivots.						
Court room sides 3'×2'4" with frames 4"×3"	6	3·0 2·6		2·4 1·10	42 28	
Head clerk's & rooms 3'×2'-4"	18	3·0 2·6		2·4 1·10	126 83	
				Total Sq ft	111	168
Roofing with Mangalore Tiles including 2"×1" teak battens & wind tie complete.						
Court	2	37·3		13·3	987	
Record and Property rooms	2	225·3		12·6	1263	
Head Clerk's to Nazarat						
Establishment rooms Front	2	49·0				
do do Rear	1	72·9				
do do do ends	2	7·6				
		185·9		12	2229	
Verandah front	1	168·3				
do rear	1	64·9				
		233·0		11·6	2680	
				Total Sq ft	7159	
Ceiling boards ¾" thick tongued and grooved.						
For Court room	1	30·0	18·0		540	
" Head clerk's room	1	12·3				
" Copyists room	1	13·6				
Carried over		25·9			540	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward.		25·9			540.	
Gumashahs room	1	26·7½				
Judges retiring room	1	10·9				
Vakils room	1	18·0				
Nazarat Establishment room	1	16·0				
		97·1½	15·—		1457	
Record and Property rooms	2	18·0	16·0		576	
			Total	Sq ft		2573.
Flooring with Cuddapah Slabs 2" thick on a 4" bed of concrete.						
Court	1	30·0	18·—		540	
Record and Property rooms	2	18·0	16·0		576	
Front Head clerk to Nazarat Establishment rooms.	1	97·1½	15·—		1457	
Front Verandah	1	165·9				
Rear do	1	64·9	9·0		2075	
Door pieces	6	4·6	1·6		41	
Do	9	4·0	1·6		54	
Do	2	4·0	1·1½		9	
Do	2	3·0	1·6		9	
Do	1	5·6	1·6		8	
Window pieces	2	4·6	0·9		7	
Do	12	4·0	0·9		36	
Steps	2	16·0	3·6		112	
Do	2	10·0	3·6		70	
Ramp	1	7·6	8·3		62	
			Total	Sq ft		5066.

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E. 12a.
5,000—6-5-97.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Damp proof course with ½" thick asphalte						
Court walls 3 Sides		80·7½				
Head Clerks to Nazarat Establishment Outer walls		241·6				
Property & record room walls 3 Sides	2	54·7½				
		431·4½	1·10½		809	
Partition walls.	5	14·7½				
Verandah front		180·4½				
Do rear		65·4½				
		317·10½	1·6		477	
Dais walls		23·10½	1·1½		27	
			Total	Sq ft		1313.
Plastering interior						
Court	1	96·—	15·9		1512	
Gables	3	18·—	2·1½		115	
Record & Property rooms	2	68·0	15·9		2142	
do Gables	6	16·—	2·1½		204	
Head Clerk & rooms		374·3	16·0		5988	
do Gables	12	15·—	2·1½		383	
Dais		27·—	1·6		41	
Door Jambs & Soffits	6	20·6	1·0		123	
Do	9	20·—	1·0		180	
Do	2	20·—	0·7½		25	
Do	2	19·—	1·0		38	
Do	1	21·6	1·0		22	
Carried Over					10773	

ESTIMATE FORM.--Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					10773	
Window jambs & soffits	2	14.6		1.0	29	
Do	12	14.6		1.0	174	
Do Cells sills	2	4.6		0.9	7	
Do	12	4.0		0.9	36	
Do Jambs of recesses	28	0.9		2.9	58	
Ventilators jambs & cells sills	6	7.7		1.2	64	
Do Do	18	7.8		1.2	161	
Iron barred Windows	9	17.0		1.0	153	
Do Do	2	14.0		1.0	28	11473
Deductions.						
Doorways	6	4.6		8-0	216	
Do	14	4-0		8-0	448	
Do	4	3-0		8-0	96	
Do	1	5.6		8-0	44	
Windows	2	4.6		5-0	45	
Do	12	4.0		5-3	252	
Do	9	2-0		6.6	117	
Do	2	2-0		5-0	20	
Ventilators	6	3-0		2.4	42	
Do	18	3.0		2.4	126	1406
			Total Sq ft.			10067
Plastering with Portland Cement 1/2" thick						
Plinth all round	1	388-0		2.3	892	
Sides of Steps		48-0		0.6	24	
do Ramps		7.0		1.6	11	897
			Total Sq ft.			9065

22

E. 179.
50,000--6-5-96.

ESTIMATE FORM.--Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Painting Interior Woodwork						
Coved.	1	84-0		15-3	1281	
Do Gables	1	21.0		2-6	53	
Other rooms	1	304.6		15-3	4644	
Gables	2	19-0		2.6	95	
Do	2	18-0		2.6	90	
						6163
Deductions						
Doorways	6	4.6		8-0	216	
Do	8	4-0		8-0	256	
Do	1	5.6		8-0	44	
Windows	2	4.6		5-0	45	
Do	12	4.0		5-3	252	
Do	9	2-0		6.6	117	
Do	2	2-0		5-0	20	
Ventilators	6	3.0		2.4	42	
Do	18	3.0		2.4	126	
						1118
			Total Sq ft.			5045
Painting Verandah uprights and windows exposed to the weather with 3 coats Chocolate paint.						
Coved purlins	2	2-0		1.8	7	
do Wall purlins	2	2-0		1.6	6	
				Carried Over	13	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forwards					13	
Court Ridge	1	2—		1·7	3	
do Rafters	2	13·3		1·1	29	
do do at Eaves	2#	1·9		1·1	46	
Record and Property room						
Purlins	4	2—		1·8	13	
Wall do	4	2—		1·6	12	
Ridge	2	2—		1·6	6	
Valley Rafters	4	2—		1·6	12	
Gutter boards	4	2—		2·8	21	
Rearers to support Do	4	2—		0·5	3	
Rafters at gable ends	4	12·3		1·0	49	
do at Eaves	32	1·9		1·0	56	
Head Clerks room purlins	2	2—		2—	8	
Wall purlins	2	2—		1·6	6	
Ridge	1	2—		1·7	3	
Nazarat Establishment room Purlins	2	2—		1·8	7	
Wall purlins	2	2—		1·6	6	
Ridge	1	2—		1·6	3	
Rafters at gable ends of Head Clerk Nazarat Establishment rooms	4	11·9		1·0	47	
				C.C.	343	

E. 120.
50,000—6-6-95.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					343	
Rafters at Eaves	58	1·6		1·0	87	
Valley rafters at Do between Court & rear rooms	2	2—0		1·6	6	
Gutter boards	2	2—0		2·8	11	
Rearers to support Do	2	2—0		0·5	2	
Verandah Posts	40	6·6		1·8	433	
Brackets	40	1·3		1·8	83	
Check pieces sides	160	1·3		0 1½	25	
Base pieces	160	8—0		0·6	640	
Bressummers	1	251—0		1·8	418	
Wall plates	4	234—0		1·2	273	
Rafters	81	11·3		1·4	1215	
Jack rafters		162—0		1·4	216	
Hip and Valley rafters	4	16·3		1·6	98	
Gutter boards	2	16·3		2·8	87	
Rearers to support do	2	16·3		0·5	14	
Pieces at ends of Verandah to secure boarding	2	10—0		1·2	23	
Boarding	2#	2 10—0		2·6	100	
Venetian windows at Head clerk & Nazarat Establishment rooms	3½	2 4·6		5—0	158	
Venetian windows with vision lines	4	9 2—0		6·6	468	
Do Do	4	2 2—0		5—0	80	4194
				Total Square ft	4780	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Staining ~~Painting~~ Doors and windows protected by Verandah inside building ~~with oil~~ with 2 coats of wood oil.						
Venetian & Panelled Doors	3 1/2 x 6	4·6		8—0	702	
do do	3 1/4 x 8	4·0		8—0	832	
Panelled Doors	2 1/4 x 3	4·0		8·0	216	
do	2 1/4 x 2	3—0		8—0	108	
Batten doors	2 1/4 x 1	5·6		8—0	99	
Venetian windows	3 1/2 x 2	4·6		5—0	158	
do	3 1/2 x 10	4—0		5·3	735	
Ventilators glazed Shutters	6	3—0		2·4	42	
do do	18	3—0		2·4	126	
Sides of filling pieces over Ventilators	2 x 18	4—0		0·2	24	
Ceiling boards Court room	1	30—0	18—0		540	
do Head Clerks room	1	12·3				
Copyists room	1	13·6				
Gamaskaka room	1	26·11 1/2				
Judges retiring room	1	10·9				
Pakils room	1	18—0				
Nazyarat Establishment room	1	16—0				
		97·11 1/2	15—0		1457	
Record & Property rooms	2	18—0	16—0		576	
				Total Sqre feet	5615.	

E. 129.
50,000—6-5-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Painting with 3 coats of white lead paint.						
Court Rooms Jane boards	2	32—0		1·2 3/4	79	
Barge boards	2	11·4 1/2		1·6	32	
30 at Ends	4	2·0		2·8	21	
Between barge boards	1	1·3		2·0	3	
Cover boards	2	13·3		0·11	24	
Record and Property rooms						
Jane boards	2x2	19·6		1·2 3/4	96	
Barge boards	2x2	10·3		1·5	68	
" at Ends	2x4	2—0		2·8	43	
Between barge boards	2	1·3		2·0	5	
Cover boards	4	12·3		0·11	45	
Head Clerks to Nazarat Establishment room						
Jane boards	1	147·9		1·2 3/4	182	
Barge boards	1	17·4		1·2 3/4	217	
" at Ends	4	9·9		1·5	55	
Between barge boards	8	2—0		2·8	43	
Cover boards	2	1·3		2—0	5	
Verandah Jane boards	4	11·9		0·11	43	
	1	255—0		1·2 3/4	314	
				Total Sqre ft	1085	
					1048	
Galvanized Iron wire netting 3/4" mesh to be nailed in Spaces between open ceiling & rafters behind Ventilators						
Behind Ventilators	24	3·9		2·0	180	
				Total Sqre ft	180	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Teak wood Railing for Dais including fixing & Varnishing Complete.					20	20 Sq ft.
Lead Sheeting 3 lbs thick						
Valley gutters allowing for over lapping at Joints						
Gymnastaho room leading to Verandah roof	2	18-6				
Over Head clerks & Nazarat Establishment rooms	2	18-6				
do do leading to rear Verandah.	2	18-6				
Front Verandahs.	2	18-6				
				1"	1.10 × 5-6	1506
					Total ft.	1,506
Pantahs Complete for Court					16	Rft
Cast Iron Rain water pipes.						
Heads for 4" Dr pipe	4				4	Nos
Offsets 4" Dr do	4				4	"
Bends 4" Dr do	4				4	"
Pipes 4" Dr.						
Front.	2	× 11 1/4	= 23 1/2			
	2	× 11 3/4	= 23 1/2			
Rear.	2	× 12 3/4	= 25 1/2			
	2	× 11 3/4	= 23 1/2			
					Total Lineal ft	101

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Imported Sheet Iron Ventilators on sides of two beams					28	Nos
Stone Slab in Sprinkable 3 × 1½ × 6 with date cut in it.					1	No

E. 170.
6,000—6-6-95.

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	2	3	4	5	6	7

ESTIMATE FORM.—Abstract.

26

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
12,015 c/ft.	Excavation for foundation	1-10-0	c/ft 1000	56	
10,647 "	Concrete	14-0-0	100 c/ft	1491	
3,560 "	Brick work in foundation & basement with Stock bricks	20 c/ft	"	712	
9,932 "	Brick work in superstructure with do	22-0-0	"	2185	
356 "	Arch work Segmental	25-0-0	"	89	
46 "	Stone work	2-0-0	c/ft	92	
5920 5,904 "	Earth filling in basement	3-0-0	c/ft 1000	18	
60 "	Teak wood in trusses wrought, framed & put up	3-12-0	c/ft	225	
683 "	Do in purlins rafters and Verandah posts &c	3-8-0	"	2387 2291	
619 lbs	Wrought Iron work	0-3-0	lbs	116	
384 s/ft 472	Teakwood Venitian panel doors with iron hinges fastenings complete 4½×8 with frames 5×8	1-0-0	s/ft	472	
47 " 144	Do panelled doors with Iron hinges fastenings complete 4×8 with frames 5×8	1-4-0 @ 14-0	"	194 126	
35 " 44	Batten doors 5½×8 with frames 3"×4" Strong iron Strap hinges hooks hasps Staples Complete	0-12-6 1-0-0	"	34 39	34?
	Carried Over &c.			8044	8044

Grand Total of Estimate ..

STATION _____

Date _____ 189

30,000—15-5-95.

Executive Engineer.

(E. No. 123.)

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

27

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Brought forward.			80114	
236 sft.	Venetian Windows 4½ x 5 with frames 5" x 3"	1-4-0	sft.	295	
84 "	do. do. with glass shaue with 1" do. iron bars, iron hinges fastenings complete	1-4-0	"	146	
14 "	Do. Do. without glass heads	1-8-0	"	21	
111 "	Ventilators with glazed shutters moving on side pivots	1-0-0	"	111	
7169 "	Roofing with mangalore tiles including 2" x 1" teak rafters and wind ties complete	15-0-0	sq.	1289	
2573 "	Ceiling boards ¾" thick tongued and grooved.	33-0	"	849	
5056 "	Flooring with Cuddapah slabs 2" thick on a 4" bed of concrete.	22-0	"	1112	
1313 "	Damp-proof course with ½" thick asphalt.	17-0	"	223	
19067 "	Plastering interior with Chunam 2 coats polished	2-8-0	"	252	
908 "	Plastering with Portland Cement ½" thick	3-4-0	"	59	
5045 "	Painting Exterior black	3-0-0	"	151	
	Carried Over			12578	

Grand Total of Estimate ..

STATION—

Date—189 .

Executive Engineer.

(E. No. 123.)

5,000—6-1-96.

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

28

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Brought forward.			12578	
4780 Sft. 4194	Painting Verandah uprights and windows exposed to the weather with 3 coats chocolate paint	2·96	100 Sft	103	
5615 " 5615	Staining doors and windows protected by Verandah inside building ~~oiling~~ with 2 coats of wood oil.	0·15	"	53	
1083 " 1048.	Painting with 3 coats of white lead ~~colour~~ paint	2·10	"	28	
180 "	Galvanized Iron wire netting 3/4" mesh mesh	0·4	Sft	45	
20 Rft	Teak wood railing for deck including fixing & Varnishing Complete	1·8	Rft	30	
1506 lbs	Lead Sheeting 3/32" thick Valley gutters allowing for overlap at joints	0·3	lb	282	
16 Rft.	Punkah complete for Court	1·8	Rft	24	
4 No	Cast Iron Rain water pipe Heads for 4" Dr. pipe	3·—	Each	12	
4 "	do do Offsets 4" Dr. do	5·—	"	20	
	Carried Over			13135 13114	

Grand Total of Estimate ..

STATION——————

Date——————189 .

Executive Engineer.

(E. No. 123.)

60,000–6-1-96.

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Brought forward.			131.14 / 12135	
4 Nos.	Cast Iron Bends 4" Dr pipes	3-00	Each	12	
101 Lft.	do do Pipes 4" Dr.	0-14-	Lft.	88	
28 Nos.	Perforated Iron Ventilators on sides of tie beams.	1-0-	Each	28	
1 No.	Stone Slabs in front gable 3'×1½×6" with date of erection cut into it.	15-00		15	
					13262 / 13275
	Contingencies @ 5%			664	665
	Petty Supervision @ 2½%			332	333
					998 / 998

Note. Rates according to Madras Schedule

Grand Total of Estimate .. 14260

STATION———

Date———189 .

Executive Engineer.

Consulting architects to Govt

(E. No. 123.)

1000—6-1-96.

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—Standard design of Court house for Sub Judge or District Munsif with bungalow tiled roofing.

Amount of Estimate, Rs.—14,274

To be carried out by—

REFERENCES.

38

Annexure to G.O. No. 179 W., dated 17th January 1896.

REPORT and specification to accompany the plan and estimate for revised standard design of Court-house for a Sub-Judge or District Munsif with terraced roof according to drawing signed by the Consulting Architect on 5th March 1895.

13070

Amount of estimate, Rs. 12,840 according to Madras rates.

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

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

Stonework.—Stone slabs should be placed at the bearing of beams. The steps may also be of stone, if procurable without great expense.

Woodwork.—The beams and joists to be of well seasoned Burma teakwood, or any other durable wood proof against white ants: where sound wooden beams of the sizes required are not available, rolled steel beams may be used; the strength to be calculated according to instructions given in G.O. No. 480 W., dated 1st March 1895.

Doors and windows.—To be of well seasoned Burma teakwood. All doors opening into verandahs will be one-third panel and two-third venetians; inner doors to be entirely panelled; the windows for the record and property rooms will have single venetianed shutters opening outside with ¾" square iron bars set diagonally. The ventilators will consist of a glazed shutter to open and shut on side pivots.

Cornice.—In place of the usual cornice, Cuddapah or any other similar slabs resting on brick corbels will be fixed throughout the building. The slabs to be well fitted and the joints neatly pointed with cement.

Roofing.—The roofing to consist of "pucca terracing," care being taken that proper slopes are made towards the weep holes; to be made about 2 feet apart in the parapet wall; the rain water will flow over the slabs and fall clear of the building.

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

Interior and Exterior finishing.—The interior walls will be fine plastered and polished, or plastered and whitewashed. Where good bricks or stone is obtainable, the exterior should be pointed. In damp soil the exterior plinth and walls inside rooms, 3 feet above floor, should be plastered with Portland cement.

Painting.—The roof timbers may be painted three coats light sage green, or stained with wood oil. The doors and windows to be painted with three coats oak paint, the panels and venetians light oak, and the frames, rails and stiles dark oak.

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

11th July 1895.

(Signed) C. C. RAWSON, Lt.-Col., R.E.,
In charge Consulting Architect's Division.

Revised standard design of Court-house for a Sub-Judge or District Munsif.

Estimate Form—Detail Measurements.

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Earthwork—Excavation for foundation.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Court room walls	1	79 0				
Long walls of gumastahs, copyists, head clerk, Judge's retiring, vakils and Nazarat establishment rooms	1	241 6				
Cross walls of gumastahs, copyists, head clerk, Judge's retiring, vakils and Nazarat establishment rooms	5	13 0				
Record and property room walls	2	53 0				
Front verandah walls	1	176 7				
Rear do. do.	1	60 7				
Total ..	..	728 8	3 6	4 6	11,477	..
Dais walls	1	23 0	3 0	2 0	138	
Front step	1	20 0				
Rear step	1	11 0				
Total ..	..	31 0	2 6	1 0	78	..
Ramp to property room	1	8 0	6 0	1 0	48	..
Total, Earthwork—Excavation for foundation	..	..	..	..	11,741	11,741
Concrete.						
Walls above	1	728 8	3 6	4 0	10,201	
Dais walls above	1	23 0	3 0	1 6	104	
Front step	1	20 0	2 6	1 0	50	
Rear step	1	11 0	2 6	1 0	28	
Ramp to property room	1	8 0	6 0	1 0	48	
Steps to dais	2	4 0	2 6	1 0	20	
Total, Concrete ..	..	..	..	..	10,451	10,451
Brickwork in foundation and basement.						
Court room walls	1	81 0				
Long and cross walls of gumastahs, copyists, head clerk, Judge's retiring, vakils and Nazarat establishment rooms including screen walls	1	270 2				
Record and property room walls in rear verandah	2	7 6				
Total ..	..	366 2	1 6	2 6	1,373	..
Outer walls—Record and property rooms, end walls of gumastahs and Nazarat establishment rooms and front and rear verandahs	1	383 3	1 8½	2 6	1,617	
Dais walls	1	25 0	1 1½	2 6	70	
Steps at front	1	19 0	3 0	0 6	29	
Do. at rear	1	10 0	3 0	0 6	15	
Do. at front	1	17 0	2 0	0 6	17	
Do. at rear	1	8 0	2 0	0 6	8	
Do. at front	1	15 0	1 0	0 6	8	
Do. at rear	1	6 0	1 0	0 6	3	
Ramp to property room	1	8 0	6 0	1 0	48	
Total, Brickwork in foundation and basement ..	..	..	..	..	3,188	
Brickwork in superstructure.						
Court room walls	1	102 0	1 6	18 0	2,754	
Front, rear and end walls of main building	1	220 6	1 6	15 0	4,961	
Cross walls in main building	1	75 0	1 1½	15 0	1,266	
Record and property room walls	2	55 0	1 6	12 0	1,980	
Front verandah walls	1	178 7	1 6	12 0	3,215	
Rear verandah walls	1	62 7	1 6	12 0	1,126	
Dais walls	1	25 0	0 9	1 6	28	
Do. steps	2	3 0	2 0	0 9	9	
Binding wall	5	15 0	1 1½	0 6	42	
Do.	2	7 6	1 6	0 6	11	
Total ..	..	..	..	..	15,392	..

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.
1	2	3	4	5	6	7
Deductions.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Outer faces between pilasters of main end walls.	2	14 2	0 4½	13 3	141	
Do. do. do. of front verandah walls ..	1	141 5½				
Do. do. do. of rear do. ..	1	53 4				
Do. do. do. of record-room walls ..	1	36 7½				
Do. do. do. of property do. ..	1	28 4½				
Total ..	..	259 9½	0 4½	10 6	1,023	..
Verandah openings, 6½′ span up to bottom of head.	6	6 6				
Do. 6¼ do. do. ..	6	6 3				
Do. 6⅛ do. do. ..	10	6 1½				
Do. 6⅛ do. do. ..	1	6 1				
Do. 4½ do. do. ..	2	4 6				
Total ..	..	152 10	1 1½	6 6	1,118	..
Verandah openings, 6½′ span above bottom of head	6	6 0				
Do. 6¼ do. do. ..	6	5 9				
Do. 6⅛ do. do. ..	10	5 7½				
Do. 6⅛ do. do. ..	1	5 7				
Do. 4½ do. do. ..	2	4 0				
Total ..	..	140 4	1 1½	1 6	237	..
Doors including segmental head.						
Doors—Court room	6	4 6	1 6	9 3	375	
Do. Between court and main rooms ..	2	3 0	1 6	9 3	83	
~~Do. Head clerk's room .. .. ..~~	~~1~~	~~4 6~~	~~1 6~~	~~8 9~~	~~66~~	
Do. Main rooms	~~6~~ 10	4 0	1 6	8 3	~~297~~ 495	
Do. Property room	1	5 6	1 6	8 3	68	
Do. Cross walls	2	4 0	1 1½	8 3	74	
Windows—Court room	2	4 6	1 6	6 3	~~84~~	
Recess below windows of court room	2	4 6	0 6	3 0	14	
Windows—Main room	~~8~~ 11	4 0	1 6	5 3	~~347~~ 252	
Do. Do. in end walls	2	4 0	1 1½	5 3	47	
Do. Record and property rooms ..	9	2 0	1 1½	5 3	106	
Do. Do. do. ..	2	2 0	1 6	5 3	32	
Recesses below window of main rooms ..	~~8~~ 11	4 0	0 6	3 0	~~66~~ 88	
Ventilators court room	~~6~~ 8	3 0	1 6	1 9	~~63~~ 84	
Stoneslabs under beams	4	2 0	1 6	0 6	6	
Archwork as per details	..	..	..	..	~~617~~ 822	
Total, Deductions ..	..	..	..	..	4,854	
Total, Brickwork in superstructure—less deductions ..	..	..	..	..	..	10,538
Brickwork in parapets, cornices, &c.						
Parapet over court	1	100 6				
Do. over main rooms	1	219 9				
Do. over front verandah	1	177 10				
Do. over rear verandah, record and property rooms	1	156 5½				
Total ..	..	654 6½	1 1½	2 6	1,841	..
Cornices under Cuddapah slabs.						
Court room	1	109 6				
Main rooms	1	228 0				
Front verandah	1	182 3				
Rear verandah, record and property rooms ..	1	161 4				
Total ..	..	681 1	0 4½	1 0	255	..
Brackets in cornice	67	1 1½	0 4½	1 0	28	
Cornice over doors, windows and ventilators ..	1	230 0	0 3	0 3	14	
Total, Brickwork in parapets, cornices, &c. ..	..	..	..	..	..	2,138

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.
1	2	3	4	5	6	7
Archwork, Segmental.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Verandah arches, 6½′ span	6	7 3				
Do. 6½′ do.	6	7 0				
Do. 6½′ do.	10	6 9				
Do. 6½′ do.	1	6 8				
Do. 4½′ do.	2	5 9				
Over doors in cross walls	2	5 6				
Do. windows in end walls	2	5 6				
Do. do. in record and property rooms	9	3 3				
Total	..	222 5	1 1½	1 1½	281	
Over doors in court ~~and head clerk rooms~~	~~6 7~~	5 9				
Do. in court room	2	4 9				
Do. in main rooms	~~10 6~~	5 6				
Do. in property rooms	1	6 3				
Over windows in court room	2	5 9				
Do. ventilators in court room	~~6 8~~	4 0				
Do. windows in main building	~~8 11~~	5 6				
Do. do. in record and property rooms	2	3 0				
Total	..	~~199 0~~	1 6	1 1½	~~336~~ 322	
Total, Archwork	..	..	..	..	..	~~617~~ 603
Stonework.						
Stone slabs under beams for court room	4	2 0	1 6	0 6	6	
Do. do. for record and property rooms	2	2 0	1 6	0 6	3	
Do. do. do.	2	1 6	1 1½	0 6	2	
Do. do. for verandah angle beams	8	1 6	1 6	0 6	9	
Total, Stonework	..	..	..	..	..	20
Earth filling in basement.						
Court room	1	30 0	18 0	1 6	810	
Gumastahs, copyists, head clerk, Judge's retiring, vakils and Nazarat establishment rooms	1	99 0	15 0	1 6	2,228	
Dais	1	7 6	8 0	1 6	90	
Record and property rooms	2	18 0	16 0	1 6	864	
Front verandah	1	160 7				
Rear do.	1	62 7				
Total	..	223 2	7 6	1 6	2,511	
Total, Earth filling in basement	..	..	..	..	..	6,503
Teakwood, wrought and put up.						
Court room, 18′ span—						
Beams	2	21 0	0 10½	1 5	52 0¾	
Joists, centre, bay	13	10 9				
Do. end, bay	26	11 1½				
Total	..	429 0	0 3	0 7	62 6¾	
Gumastahs, copyists, head clerk, Judge's retiring, vakils and Nazarat establishment rooms, 15′ span—						
Joists	70	17 0	0 3½	0 10	289 3	
Record and property rooms, 16′ span—						
Beams	2	18 6	0 10	1 4	41 1⅓	
Joists	48	10 0	0 3	0 6	60 0	
Front verandah—						
Angle beams	4	14 0	0 6	0 7	16 4	
Joists	91	9 0				
Do. angles	8	6 9				
Do. do.	8	5 3				
Do. do.	8	3 9				
Do. do.	8	2 6				
Rear verandah—						
Joists	43	9 0				
Total	..	1,352 0	0 3	0 5	140 10	
Total, Teakwood, wrought and put up	..	..	..	..	662 1⅔	662

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.
1	2	3	4	5	6	7
Two-thirds Venetian and one-third Panelled Doors.		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
To court room, 4½′ × 9′, with frames, 5″ × 4″, and iron fittings, &c., complete	6	~~4 6~~ ~~8 10~~	..	~~9 3~~ ~~8 4~~	~~250~~ ~~192~~	
To head clerk's room, 4½′ × 8′, with frames, 5″ × 4″, and iron fittings, &c., complete	~~1~~	~~8 10~~	..	~~7 4~~	~~28~~	
To main rooms, front and rear, 4′ × 8′, with frames, 5″ × 4″, and iron fittings, &c., complete	~~9 5~~	~~4 0~~ ~~3 4~~	..	~~8 0~~ ~~7 4~~	~~288~~ ~~122~~	
Total, Venetian and Panelled doors S. ft.	..	..	..	..	..	~~538~~ ~~342~~
Panelled Doors.						
To record and inner rooms—doors, 4′ × 8′, with frames, 5″ × 4″, and iron fittings, &c., complete.	3	~~4 0~~ ~~3 4~~	..	~~8 0~~ ~~7 4~~	~~96~~ ~~73~~	
Doors between court and head clerk's room, 3′ × 9′, with frames, 5″ × 3¼″, and iron fittings, &c., complete—single shutters	2	~~3 0~~ ~~2 5½~~	..	~~9 0~~ ~~8 5½~~	~~54~~ ~~42~~	
Total, Panelled doors S. ft.	..	..	..	..	..	~~150~~ ~~115~~
Batten Doors.						
To property room, 5½′ × 8′, with frames, 5″ × 4″, strong iron straps and iron fittings, &c., complete	1	~~5 6~~ ~~4 10~~	..	~~8 0~~ ~~7 4~~	~~44~~ ~~35~~	
Total, Batten doors S. ft.	..	..	..	..	..	~~44~~ ~~35~~
Venetian Windows.						
To court room, 4½′ × 6′, with frames, 5″ × 4″, and iron fittings, &c., complete	2	~~4 6~~ ~~3 10~~	..	~~6 0~~ ~~5 4~~	~~54~~ ~~41~~	
To main rooms, 4′ × 5′, with frames, 5″ × 3″, and iron fittings, &c., complete	~~10 13~~	~~4 0~~ ~~3 6~~	..	~~5 0~~ ~~4 6~~	~~200~~ ~~205~~	
Total, Venetian windows S ft.	..	..	..	..	..	~~254~~ ~~246~~
Iron-barred Venetian Windows.						
To record and property rooms, 2′ × 5′, with frames, 6″ × 3″, iron bars and necessary iron fittings, &c., complete	11	~~2 0~~ ~~1 6~~	..	~~5 0~~ ~~4 6~~	~~110~~ ~~74~~	
Total, Venetian windows with iron bars S. ft.	..	..	..	..	..	~~110~~ ~~74~~
Ventilators with glazed shutters moving on side pivots.						
To court room, 3′ × 1½′, with frames, 4″ × 3″, and iron fittings, &c., complete	~~6 8~~	~~3 0~~ ~~2 6~~	..	~~1 6~~ ~~1 0~~	~~27~~ 20	
Total, Ventilators with glazed shutters, &c. S. ft.	..	..	..	..	..	~~27~~ 20
NOTE.—Doors and windows taken out in accordance with Appendix G., Standard specification.						
Cuddapah slabs, cornice.						
Court room	1	108 0				
Main rooms	1	226 6				
Record and property rooms and rear verandah	1	160 7				
Front verandah	1	181 7				
Total	..	676 8	3 0	..	2,030	
Total Cuddapah slabs, cornice S. ft.	..	..	..	..	..	2,030
Terrace Roofing.						
Court room	1	31 0	19 0	..	589	
Gumastah's room	1	27 7½				
Copyists do.	1	14 6				
Head clerk's do.	1	13 3				
Judge's retiring room	1	11 9				

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.
1	2	3	4	5	6	7
Terrace Roofing—cont.		FT. IN.	FT. IN.	FT. IN.		
Vakil's room	1	19 0				
Nazarat establishment room	1	17 0				
Total ..	..	103 1½	16 0	..	1,650	
Record and property rooms	2	19 0	17 0	..	646	
Rear verandah	1	63 7				
Front do.	1	161 6½				
Total ..	..	225 1½	8 6	..	1,914	..
Total, Terrace roofing, square feet ..	..	..	..	..	..	4,799
Flooring with Cuddapah slabs on a 4″ bed of concrete.						
Court room	1	30 0	18 0	..	540	
Gumastas', copyists', head clerk's, judge's retiring, vakils' and Nazarat establishment rooms..	1	97 1½	15 0	..	1,457	
Record and property rooms	2	18 0	16 0		576	
Rear verandah	1	62 7				
Front do.	1	160 7				
Total ..	..	223 2	7 6	..	1,674	
Door pieces of court and head clerk's rooms ..	7	4 6				
Do. of property room	1	5 6				
Do. between court and head clerk's room.	2	3 0				
Do. of main room	6	4 0				
Total ..	..	67 0	1 6	..	101	
Door pieces of cross walls	2	4 0	1 1½	..	6	
Total ..	..	152 10	1 6	..	229	
Total, Flooring with Cuddapah slabs on a 4″ bed of concrete, square feet ..	..	..	..	..	..	4,613
Plastering, Interior.						
Court room	1	96 0	..	17 3	1,656	
Gumastas' room	1	83 3				
Copyists' do.	1	57 0				
Head clerk's do.	1	54 6				
Judge's retiring room	1	51 6				
Vakils' room	1	66 0				
Nazarat establishment room	1	62 0				
Total ..	..	374 3	..	14 3	5,333	
Record and property rooms	2	68 0	..	11 3	1,530	
Door jambs and soffits of court room	6	23 0				
Do. do. do.	2	21 6				
~~Do. do. of head clerk's room~~ ..	~~1~~	~~21 0~~				
Do. do. of front and rear verandahs	10 ~~6~~	20 6				
Do. do. of property room ..	1	22 0				
Total ..	..	~~347~~ 589	1 1	..	~~376~~	
Door jambs and soffits in cross walls	2	20 6	0 8½		29	
Window jambs and soffits	2	17 0	1 1		37	
Do. cills	2	4 6	0 7		5	
Do. sides of recess	2 × 2	..	0 7	3 0	7	
Do. do.	2 × ~~11~~ 8	..	0 6	3 0	~~33~~ 24	
Do. sides, soffits and cills	~~11~~ 8	18 6	1 1	..	~~220~~ 160	
Do. do. do.	2	18 6	0 8½		26	
Do. do. do.	9	14 6	0 7½		82	
Do. do. do.	2	14 6	1 0		29	

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.
1	2	3	4	5	6	7
Plastering, Interior—cont.		FT. IN.	FT. IN.	FT. IN.		
Ventilators, sides, soffits and cills	~~6~~ 8	9 6	1 2	..	~~89~~ 67	
Sides of dais	1	17 6	..	1 6	26	
Ends of steps in dais	4	2 0	..	0 6	4	
Total, square feet ..	..	..	..	..	~~9,482~~ 9507	
Deductions.						
Doors in court room	6	4 6	..	9 3	250	
Do. between court room and head clerk's room	2 × 2	3 0	..	9 3	111	
~~Do. in head clerk's room~~	~~1~~	~~4 6~~	..	~~8 3~~	~~37~~	
Do. in main rooms and in cross walls ..	14 ~~11~~	4 0	..	8 3	~~368~~ 462	
Do. in property room	1	5 6	..	8 3	45	
Windows in court room	2	4 6	..	6 3	56	
Do. in main room	10 ~~13~~	4 0	..	5 3	~~273~~ 210	
Do. in record and property rooms ..	11	2 0	..	5 3	116	
Ventilators	6 ~~8~~	3 0	..	1 9	~~42~~ 32	
Total, Deductions, square feet ..	..	..	..	.	~~1,293~~ 1252	
Net Total, Plastering, interior, less deductions, square feet	..	..	..	..	..	~~8,189~~ 8322
Pointing, Exterior.						
Plinth	1	388 0	..	2 2½	857	
Steps, sides	4	6 0	..	0 6	12	
Front verandah, interior	1	336 2	..			
Rear do. do.	1	140 2	..			
Total ..	..	476 4	..	11 3	5,359	
Front verandah, exterior	1	204 1	..	..	..	
Record and property rooms and rear verandah, exterior	1	177 1	..	..	..	
Total ..	..	381 2	..	10 10½	4,145	
Front and rear verandahs, record and property rooms and parapet wall's above, exterior ..	1	342 2	..	4 0	1,369	
End walls of gumastas' and Nazarat establishment rooms, exterior	2	26 11	..	13 7½	734	
End walls of gumastas and parapet wall above, exterior	2	23 2	..	4 3	197	
Main building, front and rear, above verandah terrace and parapet walls, exterior	1	174 2	..	5 6	958	
Spaces above end walls of verandahs, record and property rooms	4	1 6	..	3 0	18	
Court room walls above verandah terrace, exterior	1	84 0	..	6 0	504	
Court room walls above terrace of head clerk's room	1	21 0	..	3 0	63	
Parapet walls of court room, exterior ..	1	108 0	..	..	..	
Do. of main room, interior	1	214 6	..	..	..	
Do. of court room, do.	1	96 0	..	..	..	
Do. of rear verandah, record and property rooms, interior ..	1	154 7	..	..	..	
Do. of front verandah, interior ..	1	175 7	..	..	..	
Total ..	..	748 8	..	2 6	1,872	
Top of parapet walls, rear verandah	1	154 7	..	..		
Do. front verandah ..	1	177 10	..	..	..	
Do. main rooms	1	219 0	..	..	..	
Do. court room	1	100 6	..	..	..	
Total ..	..	651 11	1 1½	..	733	
Sides and soffits of arch ways, 6′ 6″ span ..	6	22 0	..	..	..	
Do. do. 6′ 3″ do. ..	6	21 9	..	..	..	
Do. do. 6′ 1½″ do. ..	10	21 7½	..	..	..	
Do. do. 6′ 1″ do. ..	1	21 7	..	..	..	
Do. do. 4′ 6″ do. ..	2	20 0	..	..	..	
Total ..	..	540 4	1 1½	..	608	
Total, Pointing, Exterior ..	..	..	..	..	17,429	

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.
1	2	3	4	5	6	7
Deductions.		FT. IN.	FT. IN.	FT. IN.		
Verandah openings, 6′ 6″ span up to head						
Do. 6′ 3″ do.	2 × 6	6 6	..	..	..	
Do. 6′ 1½″ do.	2 × 6	6 3	..	..	..	
Do. 6′ 1″ do.	2 × 10	6 1½	..	..	..	
Do. 4′ 6″ do.	2 × 1	6 1	..	..	..	
	2 × 2	4 6	..	..	..	
Total ..	..	305 8	..	..	..	
Verandah openings, 6′ 6″ span above head						
Do. 6′ 3″ do.	2 × 6	6 0	..	6 6	1,987	
Do. 6′ 1½″ do.	2 × 6	5 9	..	..	..	
Do. 6′ 1″ do.	2 × 10	5 7½	..	..	..	
Do. 4′ 6″ do.	2 × 1	5 7	..	..	..	
	2 × 2	4 0	..	..	..	
Total ..	..	280 8	..	1 6	421	
Doors, including segmental head—						
In court room	6	4 6	..	9 3	250	
In main room	~~9~~ 6	4 0	..	..	..	
~~In head clerk's room~~	~~1~~	~~4 6~~	..	..	..	
In property room	1	5 6	..	..	..	
Total ..	..	~~80~~ 68 6	..	8 3	565 218	
Windows, including segmental head—						
In court room	2	4 6	..	6 3	56	
In main room	~~18~~	4 0	..	..	..	
In record and property rooms	11	2 0	..	..	..	
Total ..	..	~~74 0~~	..	5 3	~~326~~ 388	
Ventilators	6 8	3 0	..	1 9	~~32~~ 42	
Total, Deductions, square feet ..	..	..	..	..	~~3637~~ 3,892	
Net Total, Pointing, exterior, less deductions, square feet	..	..	..	..	..	13792 ~~2746~~ 14,037
Painting Doors and Windows with three coats of Oak paint.						
Two-third venetian and ½ panel doors—						
To court room .. .. ~~37~~	~~2~~ 34	2½ × 6	4 6	..	9 0	~~666~~ 648 790
~~To head clerk's room~~ ..		2½ × 1	~~4 6~~	..	~~8 0~~	~~98~~
To main room, front and rear ~~37~~ 44	~~2~~ 34	2½ × 5	4 0	..	8 0	~~792~~ 427 ~~936~~ 936
Panel doors to court room	~~2~~ 14	2 × 2	3 0	..	9 0	~~162~~ 108 122
Do. to record and copyists' room	~~2~~ 14	2 × 3	4 0	..	8 0	~~216~~ 192 216
Batten doors to property room ..	2 11	2 × 1	5 6	..	8 0	~~99~~ 88 99
Venetian windows to court room ..	~~3~~ 2	3 × 2	4 6	..	6 0	~~162~~ 162 189
Do. to main rooms	~~3~~ 11	3 × 11	4 0	..	5 0	~~600~~ 660 700
Do. to record and property rooms.	~~6~~ 8	2 0	3 0	..	5 0	~~330~~ 330 385
Ventilators to court room					1 6	~~27~~ 36 27
Total, Painting doors and windows with 3 coats of Oak paint, square feet	..	..	..	..	..	~~2746~~ 13464 2,747 3016.
Wood-oiling Roof timbers.						
Court room—						
Beams ..	2	21 0	4 7	..	193	
Joists, centre, bay	13	10 9	..	..	..	
Do. end, bay	26	11 1½	..	..	..	
Total ..	..	429 0	1 8	..	715	
Main rooms—						
Joists	70	17 0	2 3	..	2,678	
Record and property rooms—						
Beams	2	18 6	4 4	..	160	
Joists	48	10 0	1 6	..	720	
Front verandah—						
Angle beams	4	14 0	2 2	..	121	
Front and rear verandahs—						
Joists	..	1,352 0	1 4	..	1,803	
Total, Wood-oil painting, square feet ..	..	..	..	..	..	6,390
Dais Railing.						
Dais railing, R. feet	..	20 0	..	..	..	20
Punkahs.						
Court room	1	10 0	..	..	10 0	
Private room	1	6 0	..	..	6 0	
Total, punkahs, R. feet ..	..	..	..	..	..	16

Estimate Form—Abstract.

Quantity.	Description of work.	Rate. Rs. A. P.	Per	Amount. Rs.	Total. Rs.
1	2	3	4	5	6
11,741 c. ft. ..	Excavation for foundation	4 10 0	1,000 c. ft.	54	
10,451 ,, ..	Concrete in foundations with broken clinker bricks	14 0 0	100 ,,	1,463	
3,188 ,, ..	Brick-work in foundations and basement with stock bricks	20 0 0	100 ,,	637	
~~10,538~~ 10539 ,, ..	Brick-work in superstructure with stock bricks ..	22 0 0	100 ,,	2319 ~~2,318~~ 2319	
2,136 ,, ..	Brick-work in parapets, cornices, &c.	24 0 0	100 ,,	~~513~~ 513 ~~154~~ 154	
~~7~~ 603 ,, ..	Archwork	25 0 0	100 ,,	~~151~~ 151	
20 ,, ..	Stone slabs dressed under beams	2 0 0	cubic feet.	40	
6,503 ,, ..	Earth filling in basement	3 0 0	1,000 c. ft.	20	
662 ,, ..	Teakwood wrought and put up	3 8 0	cubic feet.	2,317	
~~842~~ s. ft. ..	Two-third venetian and one-third panel doors with iron fittings, &c., complete	1 ~~1~~ 0	square foot.	~~538~~ 868	
150 ~~115~~ ,, ..	Panel doors with iron fittings	0 14 0	Do.	131 ~~101~~	
~~104~~ 85 ,, ..	Batten doors with iron fittings	0 12 ~~6~~	Do.	34 ~~26~~	
254 ~~240~~ ,, ..	Venetian windows with iron fittings	1 ~~1~~ 0	Do.	~~254~~ 261	
110 ~~71~~ ,, ..	Venetian windows with iron bars and iron fittings.	1 ~~12~~ 0	Do.	~~138~~ 130	
27 ~~20~~ ,, ..	Ventilators with glazed shutters and iron fittings..	~~1 0 0~~	Do.	19 ~~20~~	
2,030 ,, ..	Cuddapah slabs for cornices including fixing complete	25 0 0	100 sq. ft.	508	
4,799 ,, ..	Terrace roofing with brick on edge 3″ concrete and 3 courses of flat tiles plastered and polished on top and ceiling	25 0 0	100 ,,	1,200	
4,613 ,, ..	Flooring with Cuddapah slabs 2″ thick on a 4″ bed of concrete pointed with tar and asphalte ..	22 0 0	100 ,,	1,015	
~~8,189~~ 8322 ,, ..	Plastering interior with chunam, 2 coats, polished.	2 8 0	100 ,,	208 205	
~~14,037~~ 13792 ,, ..	Pointing exterior black with tar and asphalte ..	3 0 0	100 ,,	~~414~~ 421	
~~2,747~~ 3016 ,, ..	Painting doors and windows with 3 coats oak paint.	2 5 0	100 ,,	~~79~~ 64 80	
6,390 ,, ..	Wood-oiling roof timbers, 3 coats	0 15 0	100 ,,	60	
20 L. ft. ..	Wooden railing for dais including fixing and varnishing complete	1 8 0	Lineal feet.	30	
16 ,, ..	Punkahs, complete, including wheel, &c.	1 8 0	Do.	24	
				11,944 ~~11,959~~	12.1 ~~67~~
	Petty supervision ..	2 8 0	Cent.	298 ~~299~~	305
	Contingencies ..	5 0 0	Do.	~~598~~	608
	Grand Total of estimate ..	..	..	12,840 ~~12856~~	~~13070~~ 13080

NOTE.—The rates affixed are according to Madras Schedule of rates.

CHEPAUK,
12th July 1895.

(Signed) C. C. RAWSON, Lt.-Col., R.E.,
In charge Consulting Architect's Division.

0—6-5-95.

From

THE CONSULTING ARCHITECT

TO THE GOVERNMENT OF MADRAS,

To

THE Chief Engineer
P. W. D

No. 1112

Dated 5th
Despatched } June 1896.
Received

No. OF ENCLOSURES.

Subject.

Submitting revised standard design & estimate for District Munsif Court houses with tile & roofing.
1796 d/ 17-6-96.

P.W. CURRENT No. 62/1424

Cuo 2107/96 lodged 18.5.96
Go 590 dt 21.5.96 received

8680/96
2103/96
Encls 6 (2 plans)

Accs: 6.6.96

CURRENT No. 2754

R. 4980 dt 25 June 1896

Referred to the Judicial department for the approval of Govt.

2. The favour of a very early return of these documents is requested as the preparation of estimates for a number of budget works cannot be undertaken until the type plan is issued

Lt Col. Saunders Colonel RE
Joint Secy to Govt P.W.D.

Recd 22/6/96

Cuo 10.6.96.

1187

[G. 53]
000—23-11-06.

Judicial Department.

CHIEF SECRETARIAT, MADRAS.

P.C.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following paper:—

Memorandum from the Public Works Department, No.143 C, dated 11th January 1897.

***

ORDER:- R No.203, dated 6th February 1897.

The revised plans and estimates received with the memorandum read above, are approved and retransferred to the Public Works Department with the following remarks:-

i. From the figures given in the abstract estimates for the two designs it is observed that the quantities of the marginally noted items of work are greater in the case of the tiled than the terraced design. The reasons for this increase are not apparent. The tiled building is presumably less heavy than the terraced one and so does not require more foundation and as it needs no plastering for ceilings, the total of plastering work in it should apparently be less.

1. Excavation of foundation
2. Concrete for foundation
3. Brickwork in foundation
4. Plastering interior with chunam

ii. The quantities of Cuddapah slab flooring and of Venetian windows and of ventilators with glazed shutters are also without apparent reason greater in the case of the tiled than the terraced design;

iii. The cost of 44 square feet of Batten doors at R.0-12-6 per square feet is R. 34 and not 36 as given in the abstract

estimate

estimate form accompanying the same design.

(True Extract)

for Chief Secretary.

To

The Public Works Department(with enclos.)

P.W. L-14/2103/97

No 143 cy 11th January 1897.

P. W. D.

Letter from the C.A. Co
Govt No 3857 of 26.10.96
Dito - Dito - No 4179
of 17.11.96.

The revised type
plans & estimates for
District Municipal Commissioners
houses, with tiled and
terraced roofs, modified
in accordance with
Memo. No 1928 dated
the 23 Sept 1896, are
forwarded to the
Judicial Dept. for
final approval

7/1/97

Jud Dept 11/1/97
Cr

Jud Dept
with papers in order

Consd
7.1.97

15/1

No 3502 Cof 3.10.96