

- (1) பக்கங்களின் எண்ணிக்கை 102
 (2) புதுக்கித் திருப்பிய நாள் 02/1990
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 600

தமிழ்நாடு ஆவணக் காப்பகம்.

(38)

தமிழ்நாடு அரசு

P.W.D. துறை

அரசாணை எண். 2122 அச்சகம்
 மு. கோப்புத் தாள் எண். பலவகை

நாள் : 8 - 8 - 1891 198 .

பக்கவோ கண்டபடி கையாளவோ கூடாது

51. Sheets

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From H. IRWIN, Esq., C.I.E., Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chépák, 25th March 1891, No. 3954.

With reference to the orders of Government marginally-noted, I have the honour to submit revised standard designs for offices for Sub-Collector, Head Assistant Collector or Deputy Collector, with tiled roof and terraced roof, with specifications and schedule of quantities.

G.O., No. 1167 W., dated 19th April 1890.	
" " 2821 W., " 24th Oct. "	
Memo. " 5188 C. " 12th Dec. "	
G.O. " 519 W., " 23rd Feb. 1891.	

2. These designs were made in communication with the Board of Revenue.
3. Revised designs and estimates for Taluk offices will follow.

No. 53 D.

Forwarded to the Revenue Department for the approval of Government.

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
17th April 1891. Ag. Joint Secy. to Govt., P.W.D.

Proceedings of the Board of Revenue (Land Revenue), dated 12th May 1891, Mis. No. 3284.

THE HON. MR. H. W. BLISS.
MR. G. McWATERS.

Read—endorsement of E. A. ELWIN, Esq., Acting Assistant Secretary to Government, Revenue Department, dated 1st May 1891, No. 2673.

Resolution—dated 12th May 1891, Mis. No. 3284.

The designs will be submitted to Government with an expression of the Board's complete approval of them; the accommodation provided is in accordance with the memorandum (copy enclosed), which the Board, in consultation with Mr. Irwin, drew up on the subject; and the rough draft design has already been before them and been approved.

(A true Extract.)

(Signed) H. A. SIM,
Acting Secretary.

ENCLOSURE.

MEMORANDUM showing the accommodation required for the offices of Divisional officers (Sub-Collectors, Head Assistant Collectors, Deputy Collectors), Tahsildars and Deputy Tahsildars.

All Divisional officers to have the same amount of accommodation, viz. :—

	SQ. FT.
(a) One court room having a superficial area of about ...	600
(b) Private room with bath room attached, about ...	256
(c) Record room, about ...	560
(d) Head clerk's room, about ...	224
(e) One room to accommodate 6 clerks, 4 copyists, 1 moochi, and 1 attender of the Revenue Department and 1 clerk and 1 attender of the Taluk Board office at 28 feet a head + reserve of 2 clerks ...	448 + gangway.

2. The accommodation required for a Taluk office is—

(a) One court room having a superficial area of about ...	450
(b) Private room, about ...	196
(c) Record room, about ...	960
(d) One room to accommodate 9 clerks, 1 dufterbund and 4 copyists at 28 feet a head + reserve of 5 clerks ...	532 + gangway.
(e) Property room, about ...	150
(f) Sheristadar's room, about ...	224
(g) Cashier's do. ...	216
(h) Treasury do. ...	180

3. The accommodation required for a Deputy Tahsildar's office is—

(a) Court room having a superficial area of about ...	450
(b) Private room, about ...	196
(c) Record room, about ...	320
(d) Clerks' room to accommodate 2 clerks, 1 dufterbund and 2 copyists at 28 feet a head + 2 clerks in reserve ...	196 + gangway.
(e) Property room, barred so as to be used as a sub-treasury if necessary when it would also have to hold the shroff ...	200

4. In all record rooms the record racks should be arranged back to back between windows. In the Divisional office, the width of the rack should be 3 feet and in the offices of Tahsildar and Deputy Tahsildar it should be 4½ feet. The windows should be 1½ feet wide and should run down to 4 feet from ground and up to eaves. They should be iron-barred and provided with batten shutters. There should be only one doorway, opening into the sheristadar's room. No verandahs are needed for the record room.

5. The sheristadar's room in the Taluk office should be so placed as to command records, treasury, clerks, and cashier. It should be connected with the cashier's room by a wide archway; in the other offices the head clerk's room should command the record and clerks' rooms.

6. Cash-keeper's room should be barred, should be placed next to the treasury vault, should also be under the view of the sheristadar and should be so arranged that the cash-keeper can receive money and make payments through a grated window, so that there will be no need for persons who have to receive and pay money to come beyond the verandah.

7. As to the treasury, it should be so situated that the police can walk round it and look through it from side to side; it should have only one door and should open into the cashier's room.

8. The roof of the building may be terraced or tiled according to circumstances; the former preferred.

9. To admit more light, it is suggested that clerestory windows should be provided if possible and the court room to be lighted from behind the Magistrate's chair.

10. In the way of out-houses a latrine will be necessary.

11. As regards jail and police accommodation, the Inspector-General of Police will be consulted.

(Signed) H. A. SIM, Acting Secretary.

G.O., dated 14th July 1891, No. 4030, Revenue.

Read—again G.O., dated 1st May 1891, No. 2673, Revenue.

ABSTRACT.—Referring to the Commissioners of Land Revenue, for remarks, endorsement of the Public Works Department, dated 17th April 1891, No. 53 D., forwarding revised standard designs for offices for Sub-Collectors, Head Assistant Collectors or Deputy Collectors, &c.

Read—also Proceedings of the Board of Revenue (Land Revenue), dated 12th May 1891, Mis. No. 3284.

ABSTRACT.—Resubmitting to Government, with Board's complete approval, the revised standard designs for offices of Sub-Collectors, Head Assistant Collectors or Deputy Collectors, &c.

Order—dated 14th July 1891, No. 4030, Revenue.

The revised standard designs for the offices of Sub, Head Assistant, and Deputy Collectors are approved. It should be considered in the Public Works Department whether the roof of the record room may not be prolonged downwards on trusses to protect the windows on both sides.

2. The Board does not state whether it prefers a tiled or terraced roof. The question, however, depends on local circumstances, which affect both practicability and cost, and must be considered by the Public Works Department in each case.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

No. 3391 C.

Please report on the suggestion in para. 1 of the Revenue Department Government order and make the alteration in the design if feasible.

(Signed) O. V. BODDY, Major, R.E.,
Under-Secy. to Govt., P.W.D.
21st July 1891.

From Captain W. M. ELLIS, R.E., Officiating Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepak, 28th July 1891, No. 1689.

In returning the plans and papers received with your endorsement, No. 3391 C., dated the 21st July 1891, I have the honour to state that the eaves of the record room, according to the drawing, project two feet from the wall, which for many aspects would, I think, be found sufficient; the projection may be increased by six inches or more by proportionately increasing the scantlings of the rafters. The windows, which the extended eaves are required to protect, have heads with fixed glazed sashes and venetian shutters below; in case the projected eaves are required for protection when the window shutters are left open. They would have to extend to four feet at least from the wall, which would necessitate shutting and impair the appearance of this portion of the building. It would, moreover, shut out light to some extent.

ORDER—dated 8th August 1891, No. 2122 W., Public Works.

The revised type designs for offices for Sub-Collectors, Head Assistant Collectors or Deputy Collectors, with specifications and schedules of quantities, will be circulated to officers of the Public Works Department for information and guidance in supersession of previous designs.

2. The Government concurs in the remarks in the Consulting Architect's letter No. 1689, dated 28th July 1891, above recorded.

3. Tiled or terraced designs will be adopted according to local circumstances.

(True Extract.)

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

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

Exd. A. D. Xavier.
Spare Copies

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BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.
PUBLIC WORKS.

Dated August, 8th.

Recd.

Encl.

G.O., 8th Aug. 1891, No. 2122 W.

AUGUST.

Type Designs

Circulating, with remarks, to officers of the Public Works Department the revised — for offices for Sub-Collectors, Head Assistant Collectors or Deputy Collectors.

2122
4

Annexure to G.O., No. 2122 W., dated 8th August 1891.

OFFICES FOR SUB-COLLECTOR, HEAD ASSISTANT COLLECTOR
OR DEPUTY COLLECTOR ACCORDING TO SHEET NOS.
I AND II SIGNED BY THE CONSULTING ARCHITECT
ON 25th MARCH 1891.

TERRACED ROOFING.

Descriptive Specification.

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

Walling.—The walls should be built in English bond, $2\frac{1}{2}$ bricks, 2 bricks and $1\frac{1}{2}$ bricks thick. It may be necessary to mould special bricks for the verandah piers shown 18" square.

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

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

Doors and Windows.—The doors and windows to be of well seasoned Burma teak-wood. All doors opening into verandahs will be of $\frac{1}{3}$ panel and $\frac{2}{3}$ venetians. Inner doors to be panelled throughout. The windows will have outer venetianed shutters and glazed shutters opening inside. The windows for the record-room will have venetianed shutters opening outside with fixed glazed gothic top and 1" inch square iron-bars fixed diagonally. The ventilators will be of galvanized iron wire netting fixed inside, with $\frac{1}{2}$ " mesh stretched across to prevent bats or birds from entering, and outside Cuddapah (or any other similar) slab venetians fixed 8" inches from centre to centre leaving clear space of about 6" inches. The two ventilators at back wall of court will be fixed glazed sashes to throw light on the Judge's seat.

Coping.—Cuddapah slabs coping resting on brick corbels will be fixed throughout the building to the level of the terrace instead of cornice. The stones to be well fitted at every joints and angles and then pointed with Portland cement as shown in detail.

Roofing.—The roofing will consist of "pukka terracing," care being taken that proper slopes are made for drainage towards the weep-holes, the water will flow over the Cuddapah slabs and fall clear of the building.

Flooring.—The floor may be laid with square bricks on 6" concrete, or stone slabs, if the latter are easily procurable. Where the soil is damp, the space below the flooring should be filled with river sand. Asphalte flooring is provided for the record-room.

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

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

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

Estimate Form—Detail measurements.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Excavation for foundations.</i>						
Court walls, four sides	1	108 0	4 6	5 0	2,430	
Dais for four sides	2	20 10	1 6	0 6	16	
Do. steps	2	4 6	3 0	0 6	14	
Front, rear and end walls of head clerk's and clerk's room	1	141 6				
Cross walls of do. do.	1	13 6				
Front, rear and end walls of private room	1	52 6	4 0	5 0	13,220	
Verandah all round	2	319 6				
Cross walls all round	1	4 0				
Porch	1	43 6	5 9	5 0	165	
Tower	1	20 0	2 0	1 6	198	
Steps	1	11 6				
Do. porch	1	13 6	0 6	1 6	10	
Cubic feet						16,063
<i>Concrete in foundations.</i>						
Court walls, four sides		108 0	4 6	2 0	972	
Record-room outer wall, three sides		86 6				
Front, rear and end walls of head clerk's and clerk's room		141 6				
Cross walls to do. do.	1	13 6	4 2	2 0	5,238	
Front, rear and end walls of private room		52 6				
Verandah, front, rear and ends all round		319 6				
Cross walls to do. do.	2	4 0				
Porch	1	43 6	5 9	2 0	66	
Tower	1	20 0	3 0	1 6	297	
Steps	1	11 6				
Do. porch	1	13 6	1 6	1 6	30	
Total, cubic feet						6,653
<i>Brickwork in foundations.</i>						
Footings—						
Court walls, four sides		108 0	3 3	1 6	527	
Record-room outer wall, three sides		87 9				
Front, rear and end walls of Head clerk's and clerks' rooms	1	142 9	2 9	1 6	2,784	
Cross wall to head clerk's and clerks' rooms		14 9				
Front, rear and end walls of private room		53 9				
Verandah all round	2	320 9				
Cross walls all round	1	5 3				
Porch	1	44 9	6 4	1 6	61	
Tower		6 4				
Above footings to ground level court walls, four sides		108 0	2 6	1 6	405	
Record-room outer wall, three sides		88 6				
Front, rear and end walls of clerks' rooms	1	143 6				
Cross walls to do. do.		15 6				
Front, rear and end walls of private room		54 6	2 0	1 6	2,043	
Verandah front and rear and ends		321 6				
Cross walls to do. do.	2	6 0				
Porch	1	45 6	6 9	1 6	68	
Tower	1	6 9				
Basement—						
Court walls, four sides	1	108 0	2 6	2 0	549	
Dais wall	2	22 10	1 6	2 0	69	
Do. steps	2	4 0	3 0	1 0	24	
Record-room outer wall, three sides		88 6				
Front, rear and end walls of head clerk's and clerk's room	1	143 6	2 0	2 0	2,724	
Cross wall of head clerk's and clerk's room		15 6				
Front, rear and end wall of private room		54 6				
Verandah all round	2	321 6				
Cross wall of verandah	1	6 0				
Porch wall all round	1	45 6	6 9	2 0	91	
Tower	1	6 9	3 0	0 6	29	
Steps	1	17 6	2 0	0 6	18	
Do. porch	1	15 6	1 0	0 6	8	
Do. porch	4	11 0	3 0	0 6	60	
Do. porch	4	9 0	2 0	0 6	36	
Do. porch	4	7 0	1 0	0 6	14	
Do. porch	1	16 0	1 3	1 0	20	2,527

Estimate Form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Brickwork in foundations—cont.</i>						
Deductions—						
Archways in porch	2	9 6	2 0	2 0	76	
For steps	1	9 6	2 0	1 0	19	
Cut stone for steps	1	19 6	3 0	0 6	29	
Do. in porch	4	11 0	3 0	0 6	66	
Do. in porch	1	15 6	1 6	0 6	12	
Do. in porch	1	9 6	1 6	0 6	7	209
Total, cubic feet of brickwork						9,318
<i>Brickwork in superstructure.</i>						
Court, walls four sides		108 0	2 0	20 0	4,320	
Dais	1	23 9	1 1	2 0	53	
Steps	2	4 0	3 0	1 0	24	
Record-room outer walls, three sides		89 0				
Front, rear and end walls of head clerk's and clerks' rooms		144 0	1 6	16 0	7,296	
Cross walls to head clerk's and clerks' rooms		16 0				
Front rear and end walls of private room		55 0				
Verandah all round		322 0	1 6	12 0	5,913	
Cross walls to verandah	1	6 6	1 1	12 0	88	
Porch	1	46 0	1 6	12 0	828	
Tower up to the level of court terrace	1	7 0	7 0	20 0	980	
Do. above do. 5 1/2' square	1	27 6	1 3	9 3	318	
Binding walls over cross walls	2	16 0	1 3	1 0	48	
Do. verandah	1	6 6	1 1	1 0	7	
Do. do.	1	6 6	1 1	1 0	7	
Masonry projection inside arches	27	12 0	1 0	0 6	162	
String course over arches	4	10 0	1 0	0 6	20	
Do. do.	27	13 0	0 3	3 0	22	
Do. gothic windows, record-room	4	20 0	0 3	0 3	5	
Do. do.	13	7 0	0 3	0 3	6	
Do. do. tower	2	8 6	0 3	0 3	1	
Do. do. ventilators	6	7 0	0 3	0 3	3	
Do. ventilators	10	5 0	0 3	0 3	3	
Corbels below Cuddapah slabs coping	80	1 3	0 9	0 6	38	20,135
Deductions—						
Doors to court	4	4 6	2 0	9 0	324	
Do. clerk's and private room	10	4 6	1 6	9 0	608	
Do. bath-room in verandah	1	3 0	1 1	6 0	20	
Windows in court	2	4 6	2 0	6 0	108	
Do. recess	2	4 6	0 9	3 0	20	
Do. clerk's and private room	10	4 6	1 6	6 0	405	
Do. recess	10	4 6	0 9	3 0	101	
Do. bath-room	1	3 0	1 6	5 6	25	
False windows on end verandah	1	3 0	0 9	5 6	12	
Do. recess	2	3 0	0 9	3 0	14	
Do. record-rooms do.	13	2 0	1 6	5 6	215	
Do. recess	13	2 0	0 9	3 0	59	
Ventilators to court	4	4 0	2 0	4 0	128	
Do. do.	6	4 0	2 0	1 6	72	
Do. clerk's and private room	16	4 0	1 6	1 6	144	
Do. bath-room	1	3 0	1 6	1 6	7	
Tower hollow portion	1	23 9	area.	20 0	475	
Do. doorway in ground	1	2 6	1 6	6 0	23	
Do. do. on court terrace	1	2 6	1 6	6 0	23	
Do. windows	6	1 6	1 3	4 0	45	
Do. Loop-holes	2	0 6	1 6	2 6	4	
Verandah G. arches—						
Rectangular portion	27	7 0	1 6	4 6	1,276	
Gothic portion	27	21 6	area.	1 6	871	
Do. end rectangular portion	1	10 0	1 6	3 0	45	
Gothic portion	1	40 0	area.	1 6	60	
Porch rectangular portion	3	10 0	1 6	3 6	158	
Gothic portion	3	40 0	area.	1 6	180	
Arch work as per details					1,539	
Total, cubic feet superstructure					6,961	13,174

Estimate Form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Ornamental parapet walls.</i>						
Court walls	..	108 0	1 3	2 3	2,213	Cubic feet.
Record-room	..	89 0				
Head clerk's and clerk's room	..	144 0				
Private room	..	55 0				
Verandah, all round	..	322 0				
Porch	..	46 0				
Tower	..	23 0				
<i>Archwork, flat.</i>						
Doors in court	4	6 0	2 0	1 1 1/2	54	101
Do. clerks' and private rooms	10	6 0	1 6	1 1 1/2	101	
Do. bath-room in verandah	1	4 6	1 6	1 1 1/2	8	
Do. tower on ground floor	1	4 0	1 6	1 1 1/2	7	
Do. do. over terrace	1	4 0	1 6	1 1 1/2	7	
Windows in court	2	6 0	2 0	1 1 1/2	27	
Do. clerks' and private rooms	10	6 0	1 6	1 1 1/2	101	
Ventilators in court	4	6 0	2 0	1 1 1/2	54	
Do. clerks' and private rooms	16	6 0	1 6	1 1 1/2	81	
Do. clerks' and private rooms	16	6 0	1 6	1 1 1/2	162	
Total, cubic feet	..	..	..	..	..	602
<i>Archwork, circular.</i>						
Gothic windows in end verandah (3 feet)	2	7 3	1 6	1 1 1/2	24	123
Do. record-room 2 feet	13	5 7 1/2	1 6	1 1 1/2	47	
Do. tower (1 1/2 feet)	6	4 7 1/2	1 6	1 1 1/2	622	
Do. archways in verandah (7 feet)	27	13 7 1/2	1 6	1 1 1/2	30	
Do. end do. (10 ..)	1	18 0	1 6	1 1 1/2	91	
Do. porch (10 ..)	3	18 0	1 6	1 1 1/2	..	
Total, cubic feet	..	..	..	..	..	937
<i>Cornice work.</i>						
Around inside of court	..	112 0	..	..	112	68
Do. head clerk's room	..	68 0	..	..	68	
Do. clerks' rooms	..	138 0	..	..	138	
Do. private do.	..	72 0	..	..	72	
Total, running feet	..	..	..	..	..	396
<i>Cut stone work.</i>						
Slabs under beams for court	4	2 0	2 0	0 6	8	12
Do. clerks', private and record rooms	16	1 6	1 6	0 4	39	
Do. for steps	1	19 6	3 0	0 6	66	
Do. do.	4	11 0	3 0	0 6	20	
Do. do.	1	16 0	1 6	0 6	32	
Do. on terrace below shoot	32	10 0	1 6	0 3	..	
Do. do.	..	2 0	2 0	0 3	..	..
Total, cubic feet	..	..	..	..	..	167
<i>Cuddapah slabs for coping.</i>						
Court	..	124 0	3 6	..	2,984	89
Tower	..	44 0				
Record-room	..	78 0				
Clerks' and private rooms	..	204 0				
Verandah	..	374 0				
Ventilators to court	2	5 0	5 0	1 9	100	267
Do. do.	6	2 0	5 0	1 8	..	
Do. clerks' and private rooms	16	2 0	5 0	1 8	..	
Total, square feet	..	..	..	..	..	3,389
<i>Teakwood, wrought and put up.</i>						
Court—	..	..	..	..	..	..
Beams	2	22 6	1 0	1 6	67 6 0	66 2 0
Joists, 18" centre to centre	15	22 6	0 3	0 6 1/2	..	
Head clerk's room—	..	..	..	..	..	
Beam	1	18 6	0 10 1/2	1 2	18 10 7	
Joists, 18" centre to centre	12	18 0	0 3	0 5	22 6 0	

Estimate Form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Teakwood, wrought and put up—cont.</i>						
Clerk's room—	..	..	..	..	..	..
Beams	4	18 6	0 10 1/2	1 2	75 6 6	72 9 0
Joists, 18" centre to centre	12	48 6	0 3	0 6	..	
Private rooms—	..	..	..	..	..	
Beam	1	18 6	0 10 1/2	1 2	18 10 7	
Joists, 18" centre to centre	12	20 0	0 3	0 6	30 0 0	
Record-room—	..	..	..	..	..	
Beams	2	18 6	1 0	1 2	43 2 0	
Joists, 18" centre to centre	12	38 0	0 3	0 7 1/2	71 3 0	
Verandah—	..	..	..	..	..	
Beams at angles	6	11 0	0 5	0 7 1/2	17 2 3	
Joists, 18" centre to centre	164	8 0	0 3	0 5	136 8 0	9 9 0
Joists at angles	12	7 3	0 3	0 5	2 2 3	
Do. do.	12	5 9	0 3	0 5	5 3 9	
Do. do.	12	4 3	0 3	0 5	3 5 3	
Do. do.	12	2 9	0 3	0 5	..	
Tower—	..	..	..	..	..	
Joists	5	7 0	0 3	0 4	2 11 0	
Porch—	..	..	..	..	..	
Joists	12	15 0	0 3 1/2	0 8 1/2	37 2 3	
Total, cubic feet	..	..	..	..	706 5 5	706
<i>Terraced roofing.</i>						
Court	1	31 0	21 0	..	651	289
Head clerks' room	1	17 0	17 0	..	289	
Clerks' room	1	46 0	17 0	..	782	
Private room	1	19 0	17 0	..	323	
Record-room	..	36 0	17 0	..	612	
Verandah, front, back and ends	..	290 0	7 6	..	2,175	
Tower	1	6 6	6 6	..	42	
Porch	1	17 0	14 6	..	247	
Total, square feet	..	..	..	..	..	5,121
<i>Teak, venetian and panel doors with frames.</i>						
Doors opening into verandah	8	4 6	..	9 0	324 0 0	Square feet.
<i>Teak, pannelled doors with frames.</i>						
Inner doors	6	4 6	..	9 0	243	18
Inner doors for bath-room and spiral stair case room	1	3 0	..	6 0	18	
.. .. .	2	2 6	..	6 0	30	
Total, square feet	..	..	..	..	..	291
<i>Teak venetian windows with frames including glazed inner shutters and fittings, &c.</i>						
.. .. .	12	4 6	..	6 0	324	Square feet.
<i>Venetian windows with frames, Gothic glazed head iron bars and brass fastenings.</i>						
Bath-room	1	3 0	..	6 3	19	133
Record-room	13	2 0	..	6 3	133	
Tower	6	1 6	..	4 0	36	
Total, square feet	..	..	..	..	..	218
<i>Ventilators with fixed glazed shutters, frames, &c., to courts</i>						
.. .. .	2	4 0	..	4 0	32	Square feet.
<i>Ventilators with fixed wire netting and frames &c., to courts clerks' and private rooms</i>						
.. .. .	22	4 0	..	1 6	132	5
Ventilators with fixed wire netting for bath-room	1	3 0	..	1 6	..	
Total, square feet	..	..	..	..	..	169
<i>Filling in basement.</i>						
Court	1	29 6	19 6	1 6	863	107
Dais	1	6 10 1/2	7 9	2 0	..	
Head clerks' rooms	1	15 6	15 6	1 6	360	
Clerk's room	1	44 6	15 6	1 6	690	
Private room	1	17 6	15 6	1 6	407	

Estimate Form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Filling in basement—cont.</i>						
Record-room	1	34 6	15 6	1 6	802	
Bath-rooms	1	13 0	6 0	1 6	117	
Verandah, front, rear and ends	..	264 6	6 0	1 6	2,381	
Total, cubic feet	..	..	..	..	..	7,627
<i>Flooring basement with 6 inches concrete under 8-inch square bricks.</i>						
Court	..	29 6	19 6	..	575	
Head clerk's room	1	15 6	15 6	..	240	
Clerks' room	..	44 6	15 6	..	690	
Private room	..	17 6	15 6	..	271	
Record-room	1	34 6	15 6	..	635	
Verandah, front, back and ends	..	278 0	6 0	..	1,668	
Total, square feet	..	..	..	..	..	8,979
<i>Paving with 8-inch square bricks.</i>						
Court	1	30 0	20 0	..	600	
Head clerk's room	1	16 0	16 0	..	256	
Clerks' room	1	45 0	16 0	..	720	
Private room	1	18 0	16 0	..	288	
Verandah, front, back and ends	..	280 0	6 6	..	1,820	
Court doorways	4	4 6	2 0	..	36	
Doorways	9	4 6	1 0	..	41	
Window sills	12	4 6	0 9	..	41	
Verandah arches	27	7 0	1 9	..	331	
Total, square feet	..	..	..	..	..	4,187
<i>Flooring with asphalt, ½ inch thick.</i>						
Record-room	1	35 0	16 0	..	560	
Doorway	1	4 6	1 0	..	5	
Window sills	13	2 0	0 9	..	20	
Total, square feet	..	..	..	..	..	685
<i>Plastering interior.</i>						
Court	1	100 0	..	19 3	1,925	
Dais sides	2	8 0	..	2 0	32	
Head clerk's room	1	64 0	..	16 3	976	
Clerks' room	..	122 0	..	15 3	1,861	
Private room	..	68 0	..	15 3	1,037	
Record-room	1	102 0	..	15 3	1,556	
Bath-room	1	40 0	..	11 3	450	
Tower	1	17 3	..	20 0	345	
Door, jambs and soffits	1	22 0	..	9 3	204	
Do. do.	4	22 6	..	2 0	180	
Do. do. Bath room	10	22 6	..	1 6	338	
Do. do. Tower	1	15 6	..	1 1½	17	
Do. do.	..	15 6	..	1 6	28	
Do. do.	..	15 6	..	1 3	19	
Do. do.	2	16 6	..	2 0	66	
Windows	10	16 6	..	1 6	248	
Do. do.	1	15 0	..	1 6	23	
Do. do.	13	12 6	..	1 6	244	
Do. do.	6	9 6	..	1 6	86	
Ventilators to court	4	16 0	..	2 0	128	
Do. do.	6	11 0	..	2 6	132	
Do. do. clerk's and private room	16	11 0	..	1 6	264	
Do. do. bath-room	1	9 0	..	1 6	14	
Binding wall	2	16 0	..	3 6	112	
Deduction—	1	6 6	..	3 6	28	
Doors	1	6 6	..	3 1½	20	
Doors	20	4 6	..	9 0	810	
Doors	1	3 0	..	6 0	18	
Doors	2	2 6	..	6 0	30	
Doors	12	4 6	..	6 0	324	
Windows	1	3 0	..	6 2	19	
Do. for tower	13	2 0	..	6 3	163	
Do. for tower	6	1 6	..	4 0	36	
Total, square feet	..	..	..	..	..	10,328

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Estimate Form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Plastering interior—cont.</i>						
Ventilators	4	4 0	..	4 0	64	
.. .. .	22	4 0	..	1 6	132	
.. .. .	1	3 0	..	1 6	5	1,601
Total, square feet	..	..	..	..	..	8,722
<i>Painting exterior.</i>						
All round the basement	..	445 6	..	2 0	891	
Do. verandah walls and porch inside	..	365 10½	..	11 3	4,116	
Do. do outside	..	358 0	..	12 0	4,296	
Partition walls in verandah	9	6 6	..	11 3	658	
Court-room, clear storey	..	69 0	..	19 3	1,328	
Clerks' room do.	..	35 6	..	4 0	146	
Private room do.	..	123 6	..	15 3	1,808	
Record-room do.	..	55 4½	..	11 3	623	
Do. do.	..	58 0	..	4 0	232	
Do. do.	..	76 0	..	12 0	912	
Do. over verandah terrace	..	18 0	..	4 0	64	
Tower wall above verandah roof	1	32 0	..	9 3	296	
Jambs and soffits of arches in verandah	1	23 0	..	8 9	201	
Do. do. and porch	27	21 0	..	1 6	667	
Do. do.	4	24 0	..	1 6	144	
Parapet walls in court	..	108 0	..	..	..	
Do. record-room	..	89 0	..	..	..	
Do. clerk's room	..	144 0	..	..	..	
Do. private do.	..	55 0	..	5 9	4,525	
Do. verandah	..	322 0	..	..	..	
Do. porch	..	46 0	..	..	..	
Do. tower	..	23 0	..	..	..	20,867
Deductions—	8	4 6	..	9 0	324	
Doors	1	3 0	..	6 0	18	
.. .. .	2	2 6	..	6 0	30	
.. .. .	12	4 6	..	6 0	324	
Windows	1	3 0	..	6 0	18	
Do. record-room	13	2 0	..	6 0	156	
Do. tower	6	1 6	..	4 0	36	
Ventilators	4	4 0	..	4 0	64	
Do.	22	4 0	..	1 6	132	
Do.	1	3 0	..	1 6	5	1,107
Total, square feet	..	..	..	..	..	19,760
<i>Painting doors and windows with three coats of Carson's oak paint.</i>						
Venetian and panel doors	8	4 6	Times. 2½	9 0	891	
.. .. .	6	4 6	2½	9 0	647	
.. .. .	1	3 0	2½	6 0	41	
Panelled doors	2	2 6	2½	6 0	68	
.. .. .	12	4 6	3	6 0	972	
Venetian windows	1	3 0	3	6 3	56	
Do. tower	6	1 6	3	6 0	162	
Do. with iron bars	13	2 0	3½	6 3	569	
.. .. .	4	4 0	2	4 0	128	
Ventilators	22	4 0	2	1 6	264	
Do.	1	3 0	2	1 6	9	
Total, square feet	..	..	..	..	..	3,707
<i>Painting with three coats of zinc white paint.</i>						
Glazed shutters for windows	12	4 6	..	6 0	324	
Court—	2	20 0	..	4 0	160	
Beams	15	30 0	..	1 4	600	
Head Clerk's room—	1	16 0	..	3 2½	51	
Beams	12	16 0	..	1 1	208	
Clerks' room—	4	16 0	..	3 2½	265	
Beams	12	45 0	..	1 3	675	
Private room—	1	16 0	..	3 2½	51	
Beams	12	18 0	..	1 3	270	

Estimate Form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Painting with three coats of zinc white paint—cont.</i>						
Record-room—	2	16 0	..	3 4	107	
Beams	12	36 0	..	1 6	630	
Verandahs—						
Beams at angles	6	9 0	..	1 8	90	
Joists	164	6 3	..	1 1	1,110	
Do. angles	12	4 9	..	1 1	62	
Do.	12	3 3	..	1 1	42	
Do.	12	1 9	..	1 1	23	
Tower joists	5	6 6	..	0 11	26	
Porch joists	12	13 6	..	1 8½	277	
Total, square feet ..	..	..	..	..	..	4,910
Teakwood railings around dais	..	..	..	..	26	Ranning ft.
Spiral staircase complete	1	5 6	Dia.	20	Say Rs.	160
Gravelling 6" thick—						
Porch	1	13 0	..	15 6	202	
Do. archway	2	9 6	..	2 0	38	
Front and rear of porch	2	15 0	..	8 0	240	
Total, square feet ..	..	..	..	..	..	480
Punkah, 10" long, complete	..	..	..	..	No. 1	

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
16,053 C. ft.	Excavation for foundation	RS. A. P. 4 10 0	1,000 C. ft.	RS. 76	RS.
6,653 "	Concrete	14 0 0	100 "	941	
9,318 "	Foundation and basement with stock bricks in chunam	19 8 0	"	1,817	
13,174 "	Superstructure with stock bricks in chunam	20 8 0	"	2,701	
2,213 "	Ornamental parapets with stock bricks in chunam	25 0 0	"	553	
602 "	Flat archwork with stock bricks in chunam	22 8 0	"	135	
937 "	Circular archwork with stock bricks in chunam	23 8 0	"	220	
390 R. ft.	Cornice work with stock bricks in chunam	0 5 0	R. ft.	122	
167 C. ft.	Outstonework	2 0 0	C. ft.	334	
3,339 Sq. ft.	Cuddapah slabs for coping, including fixing and pointing with cement	24 8 0	100 Sq. ft.	818	
706 C. ft.	Teakwood, wrought and put up	3 8 0	C. ft.	2,471	
5,121 Sq. ft.	Terracing with brick on edge, jelly 3" thick, 3 courses of flat tiles and 3 coats of plastering on top and ceiling	27 0 0	100 Sq. ft.	1,383	
324 "	Pairs of teak panel and venetian doors with frames 3½" X 5" hinges, hooks and other fittings complete	1 1 0	..	344	
291 "	Pairs of teak panel doors with frames 3½" X 5" hinges and other fittings complete	0 14 0	Sq. ft.	255	
324 "	Pairs of teak venetian windows with glazed shutters inside frames 3½" X 5" hinges, hooks, bolts and other fittings complete	1 13 0	..	587	
218 "	Teak venetian windows with glazed top, frames, iron bars and other fittings complete	1 12 0	..	382	
32 "	Fixed glazed ventilators with frames complete	1 3 0	..	38	
169 "	Fixed wire-netting for ventilators with frames complete	0 11 0	..	116	
5,727 C. ft.	Filling in basement	5 0 0	1,000 C. ft.	29	
3,979 Sq. ft.	Levelling course of concrete, 6" thick under flooring	7 0 0	100 Sq. ft.	279	
4,137 "	Flooring with 8" square bricks in chunam and pointing with Portland cement	7 3 0	..	297	
585 "	Flooring with asphalt ½" thick, well rubbed over	17 5 0	..	101	

Estimate Form—Abstract—cont.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
8,722 Sq. ft.	Plastering with 2 coats of chunam polished inside	RS. A. P. 2 8 0	..	RS. 218	RS.
19,760 "	Pointing with cement outside	2 0 0	100 Sq. ft.	395	
3,707 "	Painting doors and windows with 3 coats of Carson's oak paint	2 12 0	..	102	
4,910 "	Painting woodwork with 3 coats of zinc white paint	2 12 0	..	135	
26 R. ft.	Teakwood turned rails for dais	1 8 0	R. ft.	59	
1 No.	Spiral staircase to be built of masonry, with plastering complete, 5½' diameter and 20' in height	..	..	160	
480 Sq. ft.	Gravelling 6" thick, well watered and rammed	3 2 0	100 Sq. ft.	15	
1 No.	Teakwood punkah, 10' long, with brown holland fringes, brass wheels, hooks and other fittings, including suspenders and pulling ropes, &c., complete	20 0 0	Each	20	
	Petty supervision at 2½ per cent.	..	..	375	15,073
	Contingencies at 5 per cent.	..	..	753	
	Grand total of estimate	..	..	..	16,200

CHEPAR,
25th March 1891.

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

OFFICES FOR SUB-COLLECTOR, HEAD ASSISTANT COLLECTOR
OR DEPUTY COLLECTOR ACCORDING TO PLAN SIGNED BY
THE CONSULTING ARCHITECT ON THE 25TH MARCH 1891.

ALTERNATIVE DESIGN WITH TILED ROOFING.

Descriptive Specification.

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

Walling.—The walls should be built in English bond, 2½ bricks, 2 bricks, 1½ bricks thick.

Stone work.—Stones, 12" X 12" X 12," with mortice holes, 2" square and 2" deep, cut into them, into which the verandah posts will be tenoned. Slabs will also be placed at the bearings of trusses. The steps may also be of stone if procurable without great expense.

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

The verandah posts may be of stone if procurable without great expense.

Doors, windows and ventilators.—The doors and windows to be of well-seasoned Burma teak wood. All doors opening into verandahs will be of ½ panel and ⅔ venetians; inner doors to be pannelled throughout.

The windows will have outer venetianed shutters and glazed shutters opening inside. The windows for the record room will have venetianed shutters opening outside with fixed glazed gothic top, 1" square iron bars fixed diagonally.

The ventilators will be of galvanized iron wire netting fixed inside, with ½" mesh stretched across to prevent bats or birds from entering, and outside

Cuddapah (or any other similar) slab venetians fixed 8" from centre to centre, leaving clear space of about 6". The two ventilators at back wall of court will be fixed glazed sashes to throw light on Judge's seat.

Roofing.—The roof will be covered with flat and pan tiles; if the quality of these are good, the usual unsightly "chunam bands" might be dispensed with. All valleys should be protected with sheet lead. If Mangalore tiles are used, a ceiling of $\frac{1}{2}$ " teak planking should be placed under rafters.

Flooring.—The floor may be laid with square bricks on 6" concrete or stone slabs if the latter are easily procurable. Where the soil is damp, the space below the flooring should be filled with river sand. Asphalt flooring is provided for the record room.

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

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

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
<i>Excavation for foundation.</i>						
Court walls, four sides	1	108 0	4 6	6 0	2,430	
Dais for do.	1	21 0	1 6	0 6	16	
Do. for steps	2	4 6	3 0	0 6	14	
Record room, three sides	1	88 6				
Head clerk's and clerks' rooms ..	1	141 6				
Cross wall	1	15 6				
Private room	1	52 6	4 0	5 0	7,713	
Porch walls	2	21 6				
Bath-room wall in verandah	1	11 0				
Cross wall of verandah	1	22 7 $\frac{1}{2}$				
Cross wall of verandah	1	385 7 $\frac{1}{2}$				
Verandah all round	1	4 0	3 6	5 0	70	
Steps	1	276 7 $\frac{1}{2}$	3 6	5 0	4,841	
Do. porch	1	21 6	2 0	1 6	215	
Do. porch	1	12 6	0 6	1 6	10	
Total cubic feet						15,309
<i>Concrete in foundations.</i>						
Court walls, four sides	1	108 0	4 6	2 0	972	
Record room, three sides	1	88 6				
Head clerk's and clerks' rooms ..	1	141 6				
Cross wall	1	15 6				
Private room	1	52 6	4 0	2 0	3,035	
Porch walls, two sides	2	21 6				
Bath-room wall in verandah	1	11 0				
Cross wall of verandah	1	22 7 $\frac{1}{2}$				
Cross wall of verandah	1	385 7 $\frac{1}{2}$				
Verandah all round	1	4 0	3 6	2 0	28	
Steps	1	276 7 $\frac{1}{2}$	3 6	2 0	1,936	
Do. porch	1	21 6	3 0	1 6	323	
Do. porch	1	12 6	1 6	1 6	39	
Total cubic feet						6,374

Estimate form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Brick work in foundations.</i>						
Footings—						
Court walls, four sides	1	108 0	3 3	1 6	527	
Record-room, three sides	..	87 9	2 9	1 6	1,616	
Head clerk's and clerks' rooms ..	..	142 9				
Cross wall	..	14 9				
Private room	..	53 9				
Porch wall, two sides	2	20 3	2 9	1 6	1,616	
Bath-room wall in verandah	2	12 3				
Cross walls for verandah	1	22 7½				
Cross walls for verandah	1	5 3				
Cross walls for verandah	1	391 16½	2 3	1 3	18	
Verandah all round	..	279 1½	2 3	1 6	942	
Above footings to ground level—						
Court wall, four sides	..	108 0	2 6	1 6	405	
Record-room, three sides	..	88 6	2 0	1 6	1,187	
Head clerk's and clerks' rooms ..	..	143 6				
Cross wall	..	15 6				
Private room	..	54 6				
Porch wall, two sides	2	19 6	2 0	1 6	1,187	
Bath-room wall in verandah	1	13 0				
Cross walls in verandah	1	22 7½				
Cross walls in verandah	1	6 0				
Cross walls in verandah	1	395 7½	1 6	1 6	14	
Verandah all round	..	280 7½	1 6	1 6	631	
Basement—						
Court wall, four sides	..	108 0	2 6	2 0	540	
Dais wall	1	22 6	1 6	2 0	68	
Do. steps	2	4 0	3 0	1 6	36	
Record-room, three sides	..	88 6	2 0	2 0	1,583	
Head clerk's and clerks' rooms ..	..	143 6				
Cross wall	1	15 6				
Private room	..	54 6				
Porch wall, two sides	2	19 6	2 0	2 0	1,583	
Bath-room wall in verandah	2	13 0				
Cross walls of verandah	1	22 7½				
Cross walls of verandah	1	6 0				
Cross walls of verandah	1	395 7½	1 6	2 0	18	
Verandah all round	..	280 7½	1 6	2 0	842	
Steps	1	21 0	3 0	0 6	32	
Do. porch	1	19 0	2 0	0 6	19	
Do. steps	1	17 0	1 0	0 6	9	
Do. steps	2	12 0	3 0	0 6	36	
Do. steps	2	10 0	2 0	0 6	20	
Do. steps	2	8 0	1 0	0 6	8	
Do. steps	1	13 0	3 0	0 6	20	
Do. steps	1	11 0	2 0	0 6	11	
Do. steps	1	9 0	1 0	0 6	6	
Do. steps	1	11 3	3 0	0 6	17	
Do. steps	1	9 3	2 0	0 6	9	
Do. steps	1	7 3	1 0	0 6	4	
Do. steps	1	16 0	1 3	0 9	15	
Deduction—						3,632
Archway in porch	2	9 6	2 0	2 0	76	
Do. step	1	10 0	2 0	1 0	20	
Cut-stone for steps	1	21 0	3 0	0 6	104	
Do. steps in porch	2	12 6				
Do. steps in porch	1	13 0				
Do. steps in porch	1	11 3				
Do. steps in porch	1	15 6	1 6	0 6	12	
Do. steps in porch	1	10 0	1 6	0 6	8	
Total deduction	..	..	..	..	..	220
Net total, cubic feet	..	..	..	..	..	8,412
<i>Brick work in superstructure.</i>						
Court walls, four sides	..	108 0	2 0	18 6	3,996	
Dais	1	23 9	1 1½	2 0	63	
Steps	2	4 0	3 0	1 3	30	

Estimate form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Brick work in superstructure—cont.</i>						
Gables, front and rear	2	24 0	2 0	3 6	336	
Do. sides	2	9 0	2 0	1 6	54	
Record-room, three sides ..	1	89 0	1 6	12 6	1,669	
Gable	1	19 0	1 6	2 9	78	
Head clerk's and clerks' rooms ..	1	16 0	1 6	2 9	66	
Cross walls	1	144 0	1 6	15 6	3,348	
Gables	1	16 0	1 6	15 6	372	
Private room	2	19 0	1 6	2 9	157	
Gable do.	1	55 0	1 6	15 6	1,279	
Porch walls	1	19 0	1 6	2 9	78	
Gables to do.	2	19 0	1 6	12 6	713	
Bath-room wall in verandah ..	2	13 6	1 6	12 6	506	
Cross wall	2	19 0	1 6	2 9	157	
	1	16 11	1 6	7 6	181	
	3	6 6	1 6	9 6	278	
	1	6 6	1 11	9 6	69	
					13,420	
<i>Deduction—</i>						
Doors to court	4	4 6	2 0	9 0	324	
Do. clerks' and private rooms ..	10	4 6	1 6	9 0	608	
Do. bath-room in verandah ..	1	3 0	1 11	6 0	20	
Windows to court	2	4 6	2 0	6 0	108	
Do. recess do.	2	4 6	0 9	3 0	20	
Do. to clerks' and private rooms ..	10	4 6	1 6	6 0	406	
Do. recess do.	10	4 6	0 9	3 0	101	
Do. bath-room in verandah ..	1	3 0	1 6	5 6	25	
Do. recess do.	1	3 0	0 9	3 0	7	
Do. record-room	13	2 0	1 6	5 6	215	
Do. recess do.	13	2 0	0 9	3 0	59	
Ventilators to court	4	4 0	2 0	4 0	128	
Do. clerks' and private rooms ..	2	4 0	2 0	2 0	32	
Do. bath-room	16	4 0	1 6	1 6	144	
Archway in verandah—						
Rectangular portion	1	6 6	1 6	6 0	59	
Gothic portion	1	20 0	Area	1 6	30	
Arches in porch—						
Rectangular portion	4	10 0	1 6	3 6	210	
Gothic portion	4	40 0	Area	1 6	240	
Archwork as per details					766	
					3,508	
Total, cubic feet of superstructure ..						9,912
<i>Archwork.</i>						
Doors to court	4	5 9	2 0	1 11	62	
Do. clerks' and private rooms ..	10	5 9	1 6	1 11	97	
Do. bath-room in verandah ..	1	4 3	1 11	1 11	5	
Windows to court	2	5 9	1 6	1 11	19	
Do. clerks' and private rooms ..	10	5 9	1 6	1 11	97	
Do. bath-room in verandah ..	1	4 3	1 6	1 11	7	
Do. record room	13	5 71	1 6	1 11	124	
Ventilators to court	4	5 9	1 6	1 11	39	
Do. clerks' and private room ..	2	5 9	1 6	1 11	19	
Do. bath-room in verandah ..	16	5 9	1 6	1 11	155	
Archway in verandah	1	4 3	1 6	1 11	7	
Do. and porch	1	14 0	1 6	1 11	24	
	4	18 0	1 6	1 11	122	
Total, cubic feet of archwork ..						766
<i>Filling in basement.</i>						
Court	1	29 6	19 6	1 6	863	
Dais	1	6 101	7 9	2 0	107	
Head clerk's room	1	15 6	15 6	1 6	360	
Clerks' room	1	44 6	15 6	1 6	1,035	
Private do.	1	17 6	15 6	1 6	407	
Record do.	1	34 6	15 6	1 6	802	
Bath do.	1	13 0	6 9	1 6	117	
Verandah all round		257 101	6 6	1 6	2,514	
Total cubic feet ..						6,295
<i>Stone work dressed.</i>						
Slabs under trusses for courts ..	4	2 0	2 0	0 6	8	
Do. do. clerks' and private rooms	12	1 6	1 6	0 4	9	

Estimate form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Stone work dressed—cont.</i>						
Slabs for steps	1	21 0				
	2	12 0	3 0	0 6	104	
	1	13 0				
	1	11 3				
	1	15 6	1 6	0 6	19	
	1	10 0				
Stone for posts	41	1 0	1 0	1 0	41	
Total cubic feet ..						181
<i>Cuddapah slabs.</i>						
Ventilators to court	2 × 5	5 0	1 9		105	
Do. clerks' and private rooms ..	2 × 3	5 0	1 6		45	
	16 × 2	5 0	1 6		240	
Total square feet ..						390
<i>Teak wood wrought and put up.</i>						
<i>Court—</i>						
Principal rafters	4	13 0	0 4	0 61	RS. A. P.	
Trusses for 20-feet span—					9 4 8	
Tie beam	2	22 0	0 4	0 71	9 2 0	
Struts	4	6 6	0 4	0 4	2 10 8	
Block on head of trusses	2	1 3	0 6	0 9	0 11 3	
Purlins including over lapping ..	2	38 0	0 5	0 7	18 5 8	
Wall purlins	2	38 0	0 3	0 5	7 11 0	
Ridge beam	1	38 0	0 3	0 8	6 4 0	
Common rafters	50	16 0	0 3	0 4	66 8 0	
<i>Clerks, private and record rooms—</i>						
Principal rafters	16	10 0	0 4	0 51	25 5 4	
Eight trusses for 16-feet span—						
Tie beam	8	18 0	0 4	0 6	24 0 0	
Struts	16	5 6	0 4	0 4	9 9 4	
Block on head of trusses	8	1 3	0 6	0 9	3 9 0	
<i>Head clerk's room—</i>						
Purlins	2	17 6	0 4	0 6	5 10 0	
Wall purlins	2	17 6	0 3	0 4	2 11 0	
Ridge beam	1	21 0	0 3	0 7	3 0 9	
Common rafters	24	13 6	0 21	0 4	22 6 0	
Hip or valley rafters	2	9 0	0 3	0 6	2 3 0	
Jack rafters	4	5 0	0 21	0 4	1 4 8	
<i>Clerks' room—</i>						
Purlins	2	50 2	0 4	0 6	16 8 0	
Wall purlins	2	50 0	0 3	0 4	8 4 0	
Ridge beam	1	50 0	0 3	0 7	7 3 0	
Common rafters	66	13 6	0 21	0 4	61 10 6	
<i>Private room—</i>						
Purlins	2	24 0	0 4	0 6	8 0 0	
Wall purlins	2	24 0	0 3	0 4	4 0 0	
Ridge beam	2	27 0	0 3	0 7	7 10 6	
Common rafters	30	13 6	0 21	0 4	28 1 6	
Hip rafters	2	9 0	0 3	0 6	2 3 0	
Jack do.	4	5 0	0 21	0 4	1 4 8	
<i>Record room—</i>						
Purlins	2	40 0	0 4	0 6	13 4 0	
Wall purlins	2	40 0	0 3	0 4	6 8 0	
Ridge beam	1	44 0	0 3	0 7	6 5 0	
Common rafters	52	13 6	0 21	0 4	48 9 0	
Hip rafters	2	9 0	0 3	0 6	2 3 0	
Jack do.	4	5 0	0 21	0 4	1 4 8	
<i>Porch—</i>						
Purlins	2	25 6	0 6	0 71	15 11 3	
Wall purlins	2	25 6	0 3	0 4	4 3 0	
Ridge beam	1	25 6	0 3	0 7	3 8 7	
Common rafters	34	13 6	0 21	0 4	31 10 6	
<i>Verandah—</i>						
Posts	41	0 0	0 6	0 0	61 6 0	
Cap over posts	41	1 0	1 0	0 6	20 6 0	
		35 0				
		56 0				
		36 0				
		67 0				
Bressummers	2	16 6				
		40 6				
		21 0				
		8 6				
Rafters	155	297 0	0 5	0 6	61 10 6	
		11 6	0 3	0 5	185 8 1	

Estimate form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Trak wood wrought and put up—cont.</i>						
Verandah—cont.					RS. A. P.	
Hip rafters	8	14 0	0 3	0 6	14 0 0	
Jack do.	80	7 0	0 3	0 5	58 4 0	
Wall plate	..	270 0	0 3	0 3	16 10 6	
Eave planks for rafters	..	640 0	0 1	0 7	31 1 4	
Barge boards for court room gables	2	34 0	0 1	0 9	4 3 0	
Do. other ends	4	28 0	0 1	0 9	7 0 0	
	12	1 6	0 1	1 6	2 3 0	
	6	3 0	0 1	3 0	4 6 0	
Total cubic feet	..	..	..	..	..	970 11 6
<i>Venetian and panel doors with frames.</i>						
Doors opening into verandah	8	4 6	..	9 0	324	
Total square feet	..	..	..	..	..	324
Pannelled doors with frames—						
Inner doors	6	4 6	..	9 0	243	
	1	3 0	..	6 0	18	
Total square feet	..	..	..	..	..	261
Venetian windows with frames, Gothic glazed heads, iron bars and brass fastenings	13	2 0	..	6 3	163	
	1	3 0	..	6 3	19	
Total square feet	..	..	..	..	..	182
Venetian windows with frames including glazed inner shutters and fittings	12	4 6	..	3 0	324	
Total square feet	..	..	..	..	..	324
Ventilators with fixed glazed shutters	2	4 0	..	4 0	32	
Total square feet	..	..	..	..	..	32
Ventilators, fixed wire netting and frames	2	4 0	..	4 0	32	
	2	4 0	..	2 0	16	
	16	4 0	..	1 6	96	
Do. do. do. for bathroom	1	3 0	..	1 6	5	
Total square feet	..	..	..	..	..	149
<i>Wrought iron work.</i>						
1" Dr. King rod for 20-foot trusses	2	9 0	..	2-62	47-18	
1" hexagon nut and heads to do.	2	..	..	1-10	2-20	
3" X 3" X 1" thick washers do.	6	..	..	-32	1-92	
1 1/2" X 1" bed traps do.	4	3 0	..	2-50	30-00	
1 1/2" X 1" bearing plates do.	4	0 6 1/2	..	2-50	5-02	
1" hexagon nuts do.	8	..	..	-267	2-13	
Caps of 1" plates 6" wide	2	2 0	..	7-51	30-04	
1" Dr. King rod 16" trusses	8	7 0	..	2-01	112-56	
1" hexagon nut and bolt heads for trusses	8	..	..	0-73	5-84	
3" dr. 1" thick washers do.	24	..	..	0-32	7-68	
1 1/2" X 1" bed traps do.	16	2 6	..	1-87	74-80	
1 1/2" X 1" bearing plates do.	16	0 6 1/2	..	1-87	16-83	
1" hexagon nuts do.	32	..	..	-267	8-54	
Caps of 1" plates 6" wide	8	2 0	..	7-51	120-16	
Pin for posts 1" dr.	41	1 3	..	2-62	134-26	
Total lb.	..	..	..	..	599-76	or 600 lb.
<i>Tiled roofing with flat and pan tiles including leak repers.</i>						
Court room	2	37 0	17 0	..	1,258	
Clerks' rooms	2	65 6	14 0	..	1,834	
Private rooms	2	21 0	14 0	..	686	
Record do.	2	38 0	14 0	..	1,064	
Porch	2	24 6	14 0	..	680	
Verandah	..	286 0	11 0	..	2,146	
Total square feet	..	..	..	..	..	8,576

Estimate form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Flooring basement 6" concrete underneath the 8" square bricks.</i>						
Court	1	29 6	19 6	..	576	
Head clerk's room	1	15 6	15 6	..	240	
Clerks' room	1	44 6	15 6	..	690	
Private do.	1	17 6	15 6	..	171	
Record do.	1	34 6	15 6	..	535	
Bath do.	1	13 0	6 0	..	78	
Verandah	..	256 0	6 3	..	1,664	
Passage near porch	1	17 3	6 0	..	103	
Total square feet	..	..	..	..	..	4,067
<i>Paving with 8" square bricks.</i>						
Court	1	30 0	20 0	..	600	
Head clerk's room	1	16 0	16 0	..	256	
Clerks' room	1	45 0	16 0	..	720	
Private do.	1	18 0	16 0	..	288	
Bath do.	1	13 6	6 6	..	88	
Verandahs	..	261 7 1/2	8 3	..	2,158	
Passage near porch	1	17 6	6 6	..	114	
Doorways	4	4 6	1 6	..	27	
	9	4 6	1 0	..	41	
	1	3 0	0 9	..	2	
Window sills	12	4 6	0 9	..	41	
	1	3 0	0 9	..	2	
Deduction—						
Flooring for posts	41	1 0	1 0	..	41	41
Total square feet	..	..	..	..	..	4,296
<i>Flooring asphalt, 3/4" thick.</i>						
Record room	1	35 0	16 0	..	560	
Doorway	1	4 6	1 0	..	5	
Window sills	13	2 0	0 9	..	20	
Total square feet	..	..	..	..	..	585
<i>Plastering interior.</i>						
Court	1	100 0	..	18 6	1,850	
Gable ends	2	20 0	..	3 6	140	
Dais sides	2	8 0	..	2 0	32	
Head clerk's room	1	64 0	..	15 6	992	
Do. gables	2	16 0	..	2 9	88	
Clerks' room	1	122 0	..	15 6	1,891	
Do. gable ends	2	16 0	..	2 9	88	
Private room	1	68 0	..	15 6	1,054	
Do. gable ends	2	16 0	..	2 9	88	
Record room	1	102 0	..	12 0	1,224	
Do. gable ends	2	16 0	..	2 9	88	
Bath room	1	40 0	..	8 6	340	
Door jambs and soffits	4	22 6	..	2 0	180	
	10	22 6	..	1 6	338	
Windows do.	1	15 6	..	1 1 1/2	17	
Do. recess sides	2	16 6	..	2 0	66	
Do. recess sides	4	3 0	..	0 9	9	
Windows	10	16 6	..	1 6	248	
Do. recess sides	20	3 0	..	0 9	45	
Windows	1	15 0	..	1 6	23	
Do. recess sides	2	3 0	..	0 9	6	
Windows	13	12 6	..	1 6	244	
Do. recess sides	26	3 0	..	0 9	59	
Ventilators to court	4	16 0	..	2 0	128	
Ventilators	2	12 0	..	2 0	48	
Do. to clerks' and private rooms	16	11 0	..	1 6	264	
Do. to bath room	1	9 0	..	1 6	14	
Deduction—						
Doorways	20	4 6	..	9 0	810	
	1	3 0	..	6 0	18	
	12	4 6	..	6 0	324	
Windows	1	3 0	..	6 3	19	
	13	2 0	..	6 3	163	
Total square feet	..	..	..	..	..	9,563

Estimate form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Plastering interior—cont.</i>						
Deduction—cont.						
Ventilators	4	4 0	..	4 0	64	
	3	4 0	..	2 0	24	
	16	4 0	..	1 6	96	
	1	3 0	..	1 6	5	
Net square feet ..	..	..	..	..	..	1,523
<i>Painting exterior.</i>						
Basement all round	2	465 6	..	2 0	931	
	2	15 0	..	18 0	540	
	2	19 0	..	4 0	152	
Court room	2	24 0	..	22 0	1,056	
	1	129 6	..	15 0	1,943	
Clerks' rooms	1	19 0	..	2 9	52	
Do. gable ends	1	48 6	..	15 0	728	
Private rooms	1	9 6	..	3 0	29	
	1	45 0	..	12 0	540	
Passage	2	16 0	..	2 9	88	
Do. gable ends	1	24 1 1/2	..	8 6	205	
Bath room in verandah	1	59 0	..	12 6	738	
Porch all round inside	1	40 0	..	12 0	588	
Do. outside	3	16 0	..	2 9	132	
Gable ends	1	92 0	..	15 0	1,380	
Record room outside	1	19 0	..	2 9	52	
Gable end do.	4	25 0	1 6	..	150	
Archway jambs and soffits	..	..	..	..	..	..
Deduction—	8	4 6	..	9 0	324	
Doorways	1	3 0	..	6 0	18	
	12	4 6	..	6 0	224	
Windows	1	3 0	..	6 3	19	
	13	2 0	..	6 3	163	
	4	4 0	..	4 0	64	
Ventilators	2	4 0	..	2 0	16	
	16	4 0	..	1 6	96	
	8	10 0	..	3 6	280	
Archways in porch	8	40 0	Area	..	320	
Do. verandah	2	6 6	..	6 0	78	
	2	20 0	Area	..	40	
Total square feet ..	..	..	..	..	..	1,742
<i>Painting.</i>						
Venetian and panel doors	8	4 6	Times 2 1/2	9 0	891	
	6	4 6	..	9 0	547	
Pannelled doors	1	3 0	..	6 0	41	
	12	4 6	..	6 0	972	
Venetian windows	1	3 0	..	6 3	56	
Do. do. with iron bars	13	2 0	..	3 1/2	569	
	2	4 0	..	4 0	32	
	2	4 0	2 0	4 0	64	
	2	4 0	2 0	2 0	32	
Ventilators	16	4 0	2 0	1 6	192	
	1	3 0	2 0	1 6	9	
Total square feet ..	..	..	..	..	..	2,405
<i>Painting three Coats of zinc white paint.</i>						
Glazed shutters for windows	12	4 6	..	6 0	324	
Court room—						
Principal rafters	4	12 6	..	1 5	71	
Tie beam	2	20 0	..	1 7	63	
Struts	4	6 0	..	1 4	32	
Purlins	2	33 0	..	1 7	105	
Wall plates	2	33 0	..	0 10	55	
Ridge beam	1	33 0	..	1 7	62	
Common rafters	50	15 6	..	0 11	710	
Eight trusses for 16-foot span—						
Principal rafters	16	9 6	..	1 3	190	
Tie beam	8	16 0	..	1 4	171	
Struts	16	6 0	..	1 4	107	

Estimate form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Painting three Coats of zinc white paint—cont.</i>						
Head clerk's room—						
Purlins	2	16 0	..	1 4	43	
Wall purlins	2	16 0	..	0 11	29	
Ridge beam	1	16 0	..	1 5	23	
Hip rafters	2	9 0	..	1 3	23	
Jack do.	4	5 0	..	0 10 1/2	18	
Common rafters	24	12 0	..	0 10 1/2	252	
Clerks' room—						
Purlins	2	46 6	..	1 4	124	
Wall purlins	2	46 6	..	0 11	85	
Ridge beam	1	46 6	..	1 5	66	
Common rafters	56	12 0	..	0 10 1/2	693	
Private room—						
Purlins	2	19 6	..	1 4	52	
Wall purlins	2	19 6	..	0 11	36	
Ridge beam	1	19 6	..	1 5	28	
Hip rafters	2	9 0	..	1 3	23	
Jack do.	4	5 0	..	0 10 1/2	18	
Common rafters	30	12 0	..	1 4	480	
Record room—						
Purlins	2	36 6	..	1 4	97	
Wall purlins	2	36 6	..	0 11	67	
Ridge beam	1	36 6	..	1 5	52	
Hip rafters	2	8 0	..	1 3	20	
Jack do.	4	5 0	..	0 10 1/2	18	
Common rafters	52	12 0	..	0 10 1/2	648	
Porch—						
Purlins	2	21 6	..	1 9	75	
Purlins on wall	2	21 6	..	0 11	39	
Ridge beam	1	21 6	..	1 5	30	
Common rafters	34	12 0	..	0 10 1/2	357	
Verandah—						
Posts	41	2 0	..	6 0	492	
Cap over posts	41	2 0	..	0 6	62	
Bresssumers	..	297 0	..	1 4	396	
Rafters	155	11 0	..	1 1	1,847	
Hip rafters	8	13 0	..	1 3	130	
Jack do.	80	5 3	..	1 3	525	
Eave board	..	640 0	..	1 2	800	
Barge boards for court room gables ..	2	34 0	..	1 7	108	
	4	28 0	..	1 7	177	
	24	1 6	..	0 9	27	
	6	3 0	..	1 6	27	
Reepers	..	..	..	..	..	1,768
Total square feet ..	..	..	..	..	..	11,533
Lead sheeting for valleys	8	12 0	1 6	144	720	720 (lb.)
5 lb. per sq. feet.						
Wooden hand railings for dais	1	26 0	..	..	26	26 (R.ft.)
<i>Moulding work.</i>						
Archways in porch	3	20 0	..	..	60	
Windows	13	7 0	..	..	91	
	1	8 0	..	..	8	
Total square feet ..	..	..	..	..	..	159
<i>Graveling, 6" thick.</i>						
Porch	1	13 0	..	15 6	202	
	2	9 6	..	2 0	38	
	2	15 0	..	8 0	240	
Total square feet ..	..	..	..	..	..	480
Punkah, 10 feet long	1	..	..	..	1	1 (No.)
Petty supervision	..	..	..	..	..	..
Contingencies	..	..	..	..	..	..

Estimate form—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
		Rs. A. P.		Rs.	Rs.
15,309 C. ft.	Excavation for foundation	4 10 0	1,000 C. ft.	71	
6,374 "	Concrete	14 0 0	100 "	892	
8,413 "	Stock bricks in chunam for foundation and base- ment	19 8 0	"	1,640	
9,912 "	Stock bricks in chunam for superstructure	20 8 0	"	2,032	
766 "	Do. do. for archwork	23 8 0	"	180	
6,205 "	Filling in basement	5 0 0	1,000 C. ft.	31	
181 "	Out-stone work	2 0 0	C. ft.	362	
390 Sq. ft.	Cuddapah slabs	24 8 0	100 Sq. ft.	96	
971 C. ft.	Teak wood wrought and put up	3 8 0	C. ft.	3,399	
324 Sq. ft.	Teak venetian and panel doors with frames 3½" x 5" hinges, hooks and other fittings com- plete	1 1 0	Sq. ft.	344	
261 "	Teak panel doors with frames 3½" x 5" hinges and other fittings complete	0 14 0	"	228	
324 "	Venetian windows with frames 3½" x 5" includ- ing glazed inner shutters and brass fastenings complete	1 13 0	"	587	
182 "	Venetian windows with frames gothic glazed heads, iron bars and brass fastenings	1 12 0	"	319	
32 "	Ventilators with fixed glazed frames complete	1 3 0	Sq. ft.	38	
149 "	Ventilators with fixed wire netting and frames	0 11 0	"	162	
600 lb.	Wrought iron works for trusses	0 3 0	lb.	113	
8,576 Sq. ft.	Tiled roofing with flat and pan-tiles including teak rafters	14 1 0	100 Sq. ft.	1,206	
4,057 "	Levelling course of concrete 6" thick under floor- ing	7 0 0	"	284	
4,296 "	Flooring with 8" square bricks in chunam and pointing with Portland cement	7 3 0	"	309	
585 "	Flooring asphalt ½" thick well rubbed over	17 5 0	"	101	
8,040 "	Plastering interior 2 coats of chunam polished	2 8 0	"	201	
7,562 "	Pointing exterior with cement	2 0 0	"	151	
3,405 "	Painting doors and windows with 3 coats of Car- son's oak paint	2 12 0	"	94	
11,533 "	Painting woodwork with 3 coats of zinc white paint	2 12 0	"	517	
720 lb.	Lead sheeting for valleys	0 3 0	lb.	135	
26 R. ft.	Teak wood turned railings for dais	1 8 0	R. ft.	39	
159 "	Moulding over windows, &c.	0 1 6	"	15	
480 Sq. ft.	Gravelling 6" thick well watered and rammed	3 2 0	100 Sq. ft.	15	
1 No.	Teakwood punkah, 16 feet long, with brown hol- land fringes, brass wheels, hooks and other fittings including suspenders and pulling ropes, &c., complete	20 0 0	Each.	20	
	Petty supervision at 2½ per cent.			13,321	
	Contingencies at 5 per cent.			238	
	Grand Total			666	14,320

CHEPÁK,
25th March 1891.

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

P. W. D.

Office of the Consulting Architect to Govt.,

Chepauk, Madras,

25th March 1891.

No. 3957.

From

Henry Irwin, Esq., C.S.E.,

Consulting Architect

to the Government of Madras,

1 Recd

To

The Chief Engineer

Public Works Department

Madras

To,

9 Enclosures.

With reference to the order of
G.O. No 1167 W of 19 April 1890. } Government
" " 2821 W of 24 October 1890 } marginally
Memorandum No 5188 C of 12 Decr 1890 } noted. I have
G.O. No 519 W of 23rd February 1891 } the honor to
submit revised standard designs for offices
for Sub. Collector, Head Assistant Collector or
Deputy Collector, with tiled roof and terraced
roof, with specifications and Schedule of quantities.

These designs were made in communication
with the Board of Revenue.

Revised designs and estimates for Salug
Native Officer's offices will follow.

I have the honor to be, Sir,
Yours most obedient servant

Henry Irwin
Consulting Architect to Govt.

Public Works Department.

From

THE CONSULTING ARCHITECT

TO THE GOVERNMENT OF MADRAS,

To

THE Chief Engineer

P. H. 12

No. 3957

Dated 25th } March 1891.
Received 1

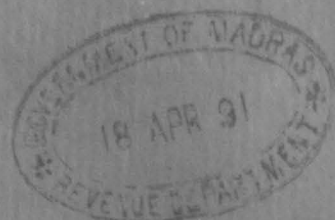
No. of ENCLOSURES. 9

Subject.

Submitting revised standard designs for Offices for Sub Collectors, District Asst. Collectors & Deputy Collectors with tiled roof and tin roof

456 May 17-2-91
164 May 15-1-91
5343 May 19-12-90
5188 May 12-12-90
2821 May 24-10-90
519 May 23-2-91
1167 May 19-4-90

100 May 10-4-91



No 53 Dd/17 April 1891

Forwarded to the Revenue Department for the Approval of Government.

Al Smith
At Col. R. D.
At H. Secy to Govt.

9.4.91

100 May 10-4-91

2122/15

Proceedings of the Board of Revenue.

(Land Revenue)

Dated 12 May 1891

Rs. 3284 (Misc)

The Honble Mr. A. W. Bliss.

Mr. G. M. Watters.

For [] Read endorsement of C. A. Elwin Esq., Acting Assistant Secretary to Government, Revenue Department, dated 1st May 1891, No. 2673.

For [] Resolution dated 12 May 1891, No. 3284

3 Deca

The designs will be submit-

ted to Government with an expression of the Board's complete approval of them, the accommodation provided is in accordance with the memorandum - (Copy enclosed) - which the Board in consultation with Mr. Drwin, drew up on the subject, and the rough draft design has already been before them and been approved.

True extract,

(Signed) H. A. Scin.

The Secretary to Govt. R. D. Enclosure
With 11 enclosures read with copy of memo. At. Secy

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read again G.C. dated 1st May

1891, no. 2673 (referring to the Commissioners of
Land Revenue for remarks endorsement of
the Public Works Department, dated 17 April
1891, no. 53 D. forwarding revised standard
designs for offices for Sub Collectors, Head
Assistant Collectors or Deputy Collectors &c.

Read also Proceedings of the
Board of Revenue (Land Revenue), dated
12th May 1891, No. 3284 (re-submitting to Govern-
ment with Board's complete approval the
revised standard designs for officers of sale
Collectors, Head assistant collectors or
Deputy Collectors, dated

The revised standard designs for the offices of Sub, Head assistant and Deputy Collectors are approved. It should be considered in the Public Works Department whether the roof of the record room may not be prolonged downwards on trusses to protect the windows on both sides.

2. The Board does not state whether it prefers a tiled or terraced roof.

The

7719

2122
17

The question, however depends on local circumstances which affect both practicability and cost and must be considered by the Public Works Department in each case.

True extract

8 Pic

Secretary to Govt

To

The P.W. Dept with the plans, specifications & schedule of quantities.

Comrs of Land Rev.

No. 339/C of 21st July 1891

To C.A.

Please report on the suggestion in form of the Rev. Dept E.O., & make the alteration in the design if feasible.

OWB
21-7-91
OW

9 Pic

11

Public Works Department.

From

THE CONSULTING ARCHITECT

TO THE GOVERNMENT OF MADRAS,

To

THE Chief Engineer
S.P. 11 19

No. 1689

Dated

28th

Received

29th

1891

No. OF ENCLOSURES.

Subject.

Returning with remarks
revised standard design
for offices for sub collector
Newest: collector & Dyce
Collector with tiled & terraced
roof.

Trans No 5308 17.4.91

- 3291C 21.7.91

✓ 1167W2 19.4.90

2821W2 24.10.90

Standard design for

Dy and Sub Collector's Office (Type B)

a separate copy

F. W. D.

Office of the Consulting Architect to Govt.,

Chennai, Madras,

28th July 1891

No. 1689

From

Captain Wm Ellis M.
Henry Smith, Esq., C.S.C.,

Offg Consulting Architect

to the Government of Madras,

To

The Chief Engineer

Public Works Department

Madras.

In,

Enclosures.

In returning the plan and
papers received with your endorse-
ment 32391C dated the 21st July
1891, I have the honor to state that
the eaves of the Record room ac-
cording to the drawing projects
2 feet from the wall which for many
aspects would I think be found
sufficient, the projection may be
increased by 6 inches or more by
proportionately increasing the
sawtings of the rafters. The windows
which the extended eaves are required
to protect have heads with fixed
glazed sashes and Venetian shutters
below, in case the projected eaves
are

are required for protection when
the window shutters are left open.
They would have to extend to 11
feet at least from the wall which
would necessitate shutting and
impair the appearance of this
portion of the building. It would
moreover shut out light to some
extent.

I have the honor to be

Sir

Your most Obedt Servt

W. M. L. S. J. R. E.

Off. Consulting Architect to Govt.

2122
19

Government of Madras.

PUBLIC WORKS DEPARTMENT.

Madras, 15-8-91

OFFICE NOTE.

From The Second Asst
Public Works Engineer

To The Manager
Office of the Messrs
Behntel & Co.

Proof of specification and
estimate for office
for sub collector, Head
Assistant collector or
Deputy collector as per
sent for for check
and early return.

Shoud not the specification &
estimate for terraced roof come
first, & the alternative design
for tiled roofing come?

C. M. S.
Second Asst

Proposed and returned.
The specification, quantities &
abstract for terraced building
should come first and
then the alternative for tiled
roofing.

B. S. 91

See Memo
Manager
C. A. Mee

annexed to 40 W 2122 W 78-8 91.
Office for Sub collector, Head
Assistant Collector or Deputy Collector
according to plan signed by the
Consulting Architect on the 25th March 19.

2/28/92

1 P.

Alternative Design with Tiled Roofing

Descriptive Specification

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

Walling. — The walls should be built in
English bond, $2\frac{1}{4}$ bricks, 2 bricks, $\frac{1}{2}$ brick
thick.

Stone work. — Stone $12 \times 12 \times 12$ with mortice
holes $2\frac{1}{2}$ square & 2 inches deep cut
into them into which the Verandah
posts will be tenoned. Slabs will
also be placed at the bearings of
of trusses. The steps may also be
of stone, if procurable without
great expense.

Wood work. — The trusses and Verandah posts
should be of well seasoned Burma.

leaf

teak, the rafters and minor roof timbers may be approved country wood proof against white ants.

The Verandah posts may be of stone if procurable without great expense.

The doors and windows to be of Doors, well seasoned Burma teak wood. and be

All doors opening into Verandahs will be of $\frac{1}{2}$ panel and $\frac{2}{3}$ Venturians. Inner doors to be panelled throughout.

The windows will have either unjointed shutters & glazed shutters opening inside. The windows for the Record room will have unjointed shutters opening outside with fixed glazed glass top; square iron bars fixed diagonally.

The Ventilators will be of galvanized iron wire netting fixed inside, with $\frac{1}{4}$ inch mesh stretched across to prevent bats or birds from entering & outside.

Cuddapah (or any other similar) slab junctions fixed $\frac{1}{2}$ from centre to centre leaving clear space of about 6 inches.

The two Ventilators at back wall of Court will be fixed glazed sashes to throw

throw light on judges seat. 28
Roofing— The roof will be covered with flat and pantiles, if the quantity of these are good, the usual unsightly "chuna bands" might be dispensed with. All valleys should be protected with sheet lead. If Mangalore tiles are used a cutting of teak plank should be placed under rafters.

2 1/2 2 1/2
Flooring— The floor may be laid with square bricks on 6" concrete or stone slabs, if the latter are easily procurable. Where the soil is damp, the space below the flooring should be filled with river sand. Asphalt flooring is provided for the Record room.

Interior and exterior finishing } The interior walls will be fine plastered with shell lime & polished or plastered & whitewashed. Where good bricks or stones are obtainable the exterior should be painted. In damp soil, the plinth and interior walls about 3 feet above floor level should also be plastered with cement.

The different kinds of work to be done will be executed on

Conformity with the Standard Specification of the Public Works Department.

Henry Murray

Consulting Architect to Govt.

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
Excavation for foundation						
Count walls four sides	1	108-4	65-0		2430	
Base for do	1	41-0	1-60-6		16	
do Steps	2	4-6	3-0-6		14	
Record room 3 sides	1	86-6				
Head Clerk & clerks rooms	1	141-6				
Crop wall	1	13-6				
Private room	1	52-6				
Porch walls	2	21-6				
	2	11-0	14-0-5		7713	
Bath room wall in Verandah	1	22-7 1/2				
Crop wall of do	1	4-0				
do	1	4-0	3-65-0		70	
Verandah all around	1	276-7 1/2	3-65-0		4841	
Steps	1	21-6				
do	2	2-5	2-01-6		215	
do	1	11-0				
do Porch.	1	13-6	0-61-6		10	
Total Cubic feet						15309
Concrete in foundations						
Count walls four sides	1	108-4	62-0		972	
Record room 3 sides	1	86-6				
Head Clerk & clerks rooms	1	141-6				
Crop wall	1	13-6				
Private room	1	52-6				
Porch walls 2 sides	2	21-6				
	2	11-0			3085	
Bath room wall in Verandah	1	22-7 1/2				
Crop wall of do	1	4-0				
do	1	4-0	3-62-0		28	
Carried Over						4095

2122
22

Rev. 3257/20

Rev. 3700/21

Rev. 4/106/1901

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
<i>B. Ft.</i>						
Verandah all round	0	274 1/2	3	6 2	1	1936
Steps	1	12 1/2	3	0 1	1	322
Dr in Porch	1	13 1/2	6 1	6 1	1	80
Total Cubic ft.						4374
<i>Brickwork in foundations</i>						
<i>Footings</i>						
Count wall four sides	1	10	3	2 1	1	527
Recessed room 3 sides		37 1/2				
Mrs. Clarke & Clarke's room		44 1/2				
Knop wall		14 1/2				
Private room		53 1/2				
Porch wall 2 sides	2	20	2 1/2	9 1	1	1616
	2	12 1/2				
Bath room wall in Verandah	1	22 1/2				
Knop wall for do.	1	5 1/2				
do do	1	5 1/2	3 2	3 1	1	18
Verandah all round.		279 1/2	3	6 1	1	942
<i>House footings to ground level</i>						
Count wall four sides		103	2 1/2	6 1	1	445
Recessed room 3 sides		38 1/2				
Mrs. Clarke & Clarke's room		44 1/2				
Knop wall		15 1/2				
Private room		54 1/2	2 1/2	6 1	1	1187
Porch wall 4 sides	2	19 1/2				
	2	13 1/2				
Bath room wall in Verandah	1	22 1/2				
Knop wall do.	1	6 1/2				
		295 1/2				4695

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
<i>B. Ft.</i>						
Knop wall in Verandah	1	6	0 1	6 1	1	14
Verandah all round		280 1/2	3	6 1	1	631
<i>Basement</i>						
Count wall four sides		103	2 1/2	6 2	1	540
Driv wall	1	22	6 1	6 2	1	68
do Steps	2	11	0 3	0 1	1	36
Recessed room 3 sides		38 1/2				
Mrs. Clarke & Clarke's room		44 1/2				
Knop wall do	1	15 1/2				
Private room		54 1/2	2 1/2	6 2	1	1583
Porch wall 2 sides	2	19 1/2				
	2	13 1/2				
Bath room wall in Verandah	1	22 1/2				
Knop wall of Verandah	1	6 1/2				
		395 1/2				
do		1	6	0 1	1	18
Verandah all round		280 1/2	3	6 2	1	842
Steps	1	21	0 3	0 1	1	32
	1	19	0 2	0 0	1	17
	1	17	0 1	0 0	1	9
do	2	12	0 3	0 1	1	36
	2	10	0 2	0 1	1	20
	2	8	0 1	0 0	1	8
do	1	13	0 3	0 1	1	20
	1	11	0 2	0 1	1	11
	1	9	0 1	0 0	1	5
Carried Over						8587

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
B.F.					1597	
Steps	1	11-33-00	6	17		
	1	7-32-00	6	9		
	1	7-31-00	6	4		
Do in Parch	1	16-01-30	7	15	8632	
Deduction						
Archway in Parch	2	7-62-00	0	76		
Do in Step	1	10-02-01	0	20		
	1	11-00				
	2	12-00				
Cut stone for steps.	1	10-00	3-00	6	104	
	1	10-00				
	1	15-01-00	6	10		
Do Steps on Parch	1	10-01-00	6	9		
Total Deduction					220	
Net Total Cubic					2412	
Brick work on Superstructure						
Board walls & sides		108-00-00	18-6	3796		
Dais	1	23-71-40	0	53		
Steps	2	4-03-00	0	30		
Gables front & rear	2	24-02-00	6	336		
Do sides	2	7-02-01	6	54		
Records room 3 sides	1	37-01-00	12-6	1169		
Gable	1	17-01-00	12-7	78		
Do	1	16-01-00	12-7	66		
Carried Over					6282	

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
B.F.					6282	
Head Clerk's & Clerk's rooms	1	104-01-00	15-6	3248		
Roofs walls do	1	16-01-00	15-6	372		
Gables do	2	19-01-00	12-7	107		
Private room	1	55-01-00	15-6	1279		
Gables do	1	19-01-00	12-7	78		
Parch walls	2	19-01-00	12-6	713		
	2	13-01-00	12-6	506		
Gables to do	2	19-01-00	12-7	107		
Bath room walls in Verandah	1	16-01-00	7-6	181		
Roofs walls	3	6-01-00	6-9	278		
do	1	6-01-00	12-7	69	13420	
Deduction						
Doors to Court	4	6-00-00	9-0	324		
10 Clerk's & Private rooms	10	4-01-00	6-9	608		
10 Bath room in Verandah	10	3-01-00	12-6	20		
Windows to Court	2	4-02-00	6-0	108		
Do pieces do	2	4-00-00	9-3	20		
10 Clerk's & Private rooms	10	4-01-00	6-6	405		
Do pieces do	10	4-00-00	9-3	101		
10 Bath room in Verandah	10	3-01-00	12-6	25		
Do pieces do	10	3-00-00	9-3	7		
10 Records room	10	2-01-00	15-6	210		
Do pieces do	10	2-00-00	9-3	59		
Ventilators to Court	4	4-02-00	4-0	128		
Do	2	4-02-00	4-0	32		
10 Clerk's & Private rooms	10	4-01-00	6-1	144		
Carried Over					2196	

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

B. H.

2196 13420

Ventilators to Bath room 1 3-01-6 1-6 7 1

Archway in Rectangular portion 1 6-61-6 1-6 59

Verandah } fathia portion 1 20-00-0 1-6 30 1

Arches in Rectangular portion 4 10-01-6 3-6 250 1

Porch } fathia portion 4 10-00-0 1-6 240 1

Archwork as per details 766 1 3508

Total Cft. Superstructure 9912

Archwork

Doors to Court 4 5-92-0 1-1/2 52

Do. Closets & Private rooms 10 5-91-6 1-1/2 77

Do Bath room in Verandah 1 4-31-1/2 1-1/2 5

Windows to Court 2 5-91-6 1-1/2 19

Do. Closets and Private rooms 10 5-91-6 1-1/2 77

Do Bath room in Verandah 1 4-31-6 1-1/2 7

Do Record room 13 5-7 1/2 1-6 1-1/2 123

Ventilators to Court 4 5-91-6 1-1/2 39

Do 2 5-91-6 1-1/2 19

Do Closets and Private rooms 14 5-91-6 1-1/2 105

Do Bath room in Verandah 1 4-31-6 1-1/2 7

Archway in Verandah 1 14-01-6 1-1/2 24

Do and Porch 4 18-01-6 1-1/2 122

Total Cft. of Archwork 766

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

214 21 22 25 6 6

Felling in basement

Court 1 29-619-61-6 363 1

Do 1 6-10 1/2 7-92-0 107 1

Do. Closets' room 1 15-615-61-6 360 1

Closets' room 1 44-615-61-6 1135 1

Private room 1 17-615-61-6 407 1

Record room 1 34-615-61-6 302 1

Bath room 1 13-66-01-6 117 1

Verandah all paved 257-1/2 6-61-6 257 1/2

Total Cubic ft 6205

Stair work dressed.

Slabs under trusses for Courts 1 2-00-0 0-6 9

Do Closets & Private rooms 12 1-61-6 0-4 9

Do for Steps { 1 21-0 3-0-6 106 1

{ 2 12-0 3-0-6 106 1

{ 1 13-0 3-0-6 106 1

{ 1 11-0 3-0-6 106 1

Do { 1 15-0 3-0-6 19 1

{ 1 10-0 3-0-6 19 1

Stair for Pools 41 1-01-0 1-0 41 1

Total Cubic feet 191

Cuddupak Slabs

Ventilators to Court 2 165-01-9 105

Do 2 135-01-6 45

Do to Closets & Private rooms 16 125-01-6 240

Total Sgrd 390

ESTIMATE FORM.—Detail Measurements.

[P. W. D. Form, Edition of 1886—Pages 921, 931]

ESTIMATE FORM.—Detail Measurements.

P. W. D. Form,
No. M 204.

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

Teakwood wrought & put up.

Boards

Principal rafters	4	13-00	4-00	6 1/2	9-43	
Tusses for Tie beam	2	22-00	4-00	7 1/2	9-20	
Soft Span } Struts	4	6-60	4-00	4	2-05	
Block on head of tusses	2	1-30	6-00	9-00	0-03	
Purlins including over lapping	2	38-00	5-00	7 1/2	5-51	
Wall purlins do	2	38-00	3-00	5	7-40	
Ridge beam	1	38-00	3-00	3	6-40	
Common rafters	50	16-00	3-00	4	6-80	
Chairs Ornate & Records room	16	10-00	4-00	5 1/2	25-54	
Principal rafters	8	18-00	4-00	6	46-00	
Tusses for Tie beam	16	5-60	4-00	4 1/2	9-46	
Soft Span } Struts	8	1-30	6-00	9-00	7-90	
Block on head of tusses	2	17-60	4-00	6	5-00	
Purlins	2	17-60	3-00	4 1/2	4-01	
Wall purlins	1	21-00	3-00	7 1/2	3-27	
Ridge beam	24	13-60	4 1/2	4 1/2	22-40	
Common rafters	2	9-00	3-00	6 1/2	3-00	
Hip or Valley rafters	4	5-00	4 1/2	4 1/2	4-50	
Jack rafters	2	50-00	4-00	6	16-00	
Purlins	2	50-00	3-00	4 1/2	8-40	
Wall Purlins	1	50-00	3-00	7 1/2	7-36	
Ridge beam	66	13-60	4 1/2	4 1/2	44-06	
Common rafters	2	24-00	4-00	6	3-00	
Purlins	2	24-00	3-00	4 1/2	4-00	
Wall purlins	2	27-00	3-00	7 1/2	10-60	
Ridge beam	30	13-60	4 1/2	4 1/2	28-56	
Common rafters						

C. A. 34-10-11

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

Private Hip rafters	2	9-00	3-00	6 1/2	2-30	
Room Jack rafters	4	5-00	4 1/2	4 1/2	1-45	
Purlins	2	10-00	4-00	6	12-00	
Wall purlins	2	10-00	3-00	4 1/2	6-80	
Ridge beam	1	44-00	3-00	7 1/2	6-50	
Common rafters	54	13-60	4 1/2	4 1/2	48-90	
Hip rafters	2	9-00	3-00	6 1/2	2-00	
Jack rafters	4	5-00	4 1/2	4 1/2	4-50	

Purlins	2	25-60	4-00	7 1/2	15-40	
Wall Purlins	2	25-60	3-00	4 1/2	11-30	
Ridge beam	1	25-60	3-00	7 1/2	3-37	
Common rafters	24	13-60	4 1/2	4 1/2	31-06	

Parks	44	0-60	6-60	6 1/2	6-00	
Cap over parks	44	1-01	0-00	6 1/2	28-60	

Veranda Brackets	35-00					
	56-00					
	36-00					
	67-00					
	24-00					
	10-00					
	21-00					
	3-00					
	297-00	5-00	6-60	10-60		
Rafters	155	11-60	5-00	5 1/2	185-81	
Hip rafters	8	14-00	3-00	6 1/2	14-00	
Jack rafters	80	7-00	3-00	5 1/2	8-40	
Wall plate	1	27-00	3-00	3 1/2	10-60	

Summed Dec 5 921-10-1

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

B. H.						
Cane planks for rafters	1	140-00	1-0	7	980-00	980-00
Barge boards for Counters	2	34-00	1-0	7	238-00	238-00
do for other ends	1	128-00	1-0	7	896-00	896-00
do do	1	121-67	1-0	7	851-69	851-69
do do	1	63-00	1-0	7	441-00	441-00
Total cubic feet					970-4-5	

Ventilation and Panel doors with frames opening into Kitchen	8	4-6	9-0	324	324	Sqft.
---	---	-----	-----	-----	-----	-------

Panelled doors with frames						
Inner door	6	4-6	9-0	243		
do	1	3-6	6-0	18		
Squarft					261	

Ventilation windows with frames Gather glazed heads iron barbed wire fastenings	13	2-0	6-3	163		
do	1	0-0	6-3	19		
Squarft					182	

Ventilation windows with frames including glazed inner shutter and fittings	12	4-6	6-0	324		
Squarft					324	

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

Ventilation with fixed glazed shutters	2	4-0	4-0	32	32	Sqft.
do fixed wire netting and frames	2	4-0	4-0	32		
do do	2	4-0	4-0	16		
do do	16	4-0	1-0	96		
do do for bath room	1	3-0	1-6	5		
Squarft					149	

Wrought Iron work.						
2" Dr. King rod for soft timber	2	9-0	2-62	17-16		
1" Hex. Nut & heads to do	2		1-10	2-20		
3" x 3" x 1/2" thick washers do	6		2-02	1-92		
1 1/2" x 1/2" heel straps do	4	3-0	2-50	30-00		
1 1/2" x 1/2" bearing plates do	4	0-0 1/2	2-50	5-62		
5/8" Hexagon Nuts do	8		2-67	2-13		
Caps of 3/4" plates 6" wide	2	2-0	7-51	30-06		
1 1/2" Dr. King rod 16 timbers	8	7-0	2-01	12-08		
1 1/2" Hex. Nut & bolt heads for do	8		0-73	5-84		
3" Dr. 1/2" thick washers do	24		2-02	7-65		
1 1/2" x 1/2" heel straps do	16	2-6	1-57	74-80		
1 1/2" x 1/2" bearing plates do	16	0-0 1/4	1-57	16-83		
5/8" Hexagon Nuts do	32		2-67	8-54		
Caps of 3/4" plates 6" wide	8	2-0	7-51	120-16		
Pin for Posts 1" Dr.	4	1-0	2-62	134-28		

Total the square for 600 sq

ESTIMATE FORM.—Detail Measurements.

[P. W. D. Code, Edition of 1886—Form 221, 231.]

ESTIMATE FORM.—Detail Measurements.

P. W. D. Form,
No. M 204.

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

Tiled roofing with flat &
parapets including teak
rafters

Court room	2	37-0	17-0		1258	
Clarke room	2	45-6	14-0		1334	
Private room	2	21-0	14-0		588	
Record room	2	38-0	14-0		1064	
Porch	2	24-6	14-0		686	
Verandah	"	236-0	11-0		3146	

Total square feet 8576

Flooring basement & caulk
underneath the 8" square bricks.

Court	1	27-6	14-6		675	
Head Clarke room	1	15-6	15-6		240	
Clarke room	1	44-6	15-6		690	
Private room	1	17-6	15-6		171	
Record room	1	34-6	15-6		535	
Bath room	1	13-0	6-0		78	
Verandah		256-0	6-6		1664	
Passage near porch	1	17-3	6-0		104	

Total sq ft 4087

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

Paving with 8" square bricks.

Court	1	30-0	20-0		600	
Head Clarke room	1	14-0	14-0		256	
Clarke room	1	45-0	16-0		720	
Private room	1	18-0	16-0		288	
Bath room	1	13-0	6-0		78	
Verandah	"	256-0	11-0		2158	
Passage near porch	1	17-6	6-6		114	

D. S. ways

D. S. ways	4	4-6	1-6		27	
"	7	4-6	1-0		41	
"	1	3-0	0-7		2	
Windowsills	12	4-6	0-7		41	
"	1	3-0	0-7		2	

Deduction

Flooring for Pickets 41 41
Total Sq ft 4296

Flooring asphalt of brick

Record room	1	35-0	16-0		560	
Dormitory	1	6-6	1-0		5	
Windowsills	13	2-0	0-7		20	

Total Sq ft 585

Plastering interior

Court	1	100-0	13-6		1350	
Gable ends	2	20-0	3-6		140	
Dair sides	2	8-0	2-0		32	
Head Clarke room	1	16-0	16-6		972	
Do Gables	2	4-0	2-7		88	

10,000—25.0-00.

Grand total 3102

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
Brought forward					3102	
Chloro room	1	122-0	15-6		1891	
do gable ends	2	16-0	2-9		88	
Operative room	1	68-0	15-6		1054	
do gable ends	2	16-0	2-9		88	
Records room	1	102-0	12-0		1224	
do gable ends	2	16-0	2-9		88	
Bath room	1	40-0	8-6		340	
Door jambs and soffits	4	22-6	2-0		180	
do do	10	22-6	1-6		338	
do do	1	15-6	1-4		17	
Windows do	2	16-6	2-0		66	
do passageway	4	2-0	0-9		9	
do	10	16-6	1-6		265	
do passageway	20	3-0	0-9		180	
do	1	15-0	1-6		23	
do passageway	2	0-0	0-9		6	
do	13	12-6	1-6		244	
do passageway	26	3-0	0-9		59	
Ventilators to Canal	4	14-0	2-0		112	
do	2	12-0	2-0		48	
do Chalk & Operative room	16	11-0	1-6		264	
do Bath room	1	9-0	1-6		14	
Deductions						957
Passage	20	4-6	9-0		80	
do	1	3-0	6-0		18	
Roofed passage					97	

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
Brought forward					318	9563
Windows	12	11-6	6-0		324	
do	1	3-0	6-3		19	
do	13	2-0	6-3		163	
Ventilators	4	4-0	4-0		64	
do	3	4-0	2-0		24	
do	16	4-0	1-6		96	
do	1	3-0	1-6		5	
Net area feet					1523	
Painting Exterior					8040	
Basement all round	46	5-6	0-0		931	
Basement room	12	15-0	18-0		540	
do	2	19-0	4-0		152	
do	2	24-0	22-0		1056	
Chloro room	1	129-6	15-0		1943	
do gable ends	1	19-0	2-9		52	
Operative room	1	68-6	15-0		1029	
do	1	9-6	3-0		29	
Passage	1	45-0	12-0		540	
do gable ends	2	16-0	2-9		88	
Bath room on Grand St.	1	24-4	3-6		200	
Church all round inside	1	59-0	12-6		738	
Do Outside	1	49-0	12-0		588	
Gable ends	3	16-0	2-9		132	
Records room Outside	1	40-0	15-0		1350	
gable end do do	1	19-0	2-9		52	
Archway jambs & soffits	4	25-4	1-6		150	
						9306

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

Brought forward.

7254

Deduction

Doors & windows

8 4-6 9-0 324

Windows

1 3-0 6-0 18

Doors

12 4-6 6-0 324

Doors

1 8-0 6-0 48

Doors

13 2-0 6-0 156

Ventilators

4 4-0 4-0 64

Archways in porch

2 4-0 2-0 16

Doors in vestibule

16 4-0 1-0 64

2 4-0 3-0 24

2 4-0 3-0 24

Total square feet 7562

1762

Painting

Vestibule & porch doors

8 4-6 2 3/4 9-0 391

Pannelled doors

6 4-6 2 3/4 9-0 247

Doors

1 3-0 6-0 18

Vestibule windows

12 4-6 3 1/2 6-0 972

Doors

1 3-0 3 1/2 6-0 36

Doors with iron bars

13 2-0 3 1/2 6-0 549

Ventilators

2 4-0 2 3/4 4-0 32

Doors

2 4-0 2 3/4 4-0 32

Doors

16 4-0 2 1/2 6-0 192

Doors

1 3-0 2 1/2 6-0 9

Total square feet 3406

Painting 3 coats of fine white paint.

Glazed shutters for windows

4 4-6 6-0 324

Common principal rafters

4 4-6 1-0 41

Common tie beam

2 20-0 1-7 63

Carried over 458

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

Painting & Brought forward.

458

Struts

4 6-0 1-4 32

Purlins

2 33-0 1-7 105

Carpet room.

Wall plates

4 30-0 0-10 50

Ridge beam

1 38-0 1-7 52

Common rafters

50 15-6 0-11 710

8 inches principal rafters

16 9-6 1-3 190

for tie beam

3 16-0 1-4 171

Span

Struts

16 5-0 1-4 107

Purlins

2 16-0 1-4 48

Wall purlins

2 16-0 0-11 29

Head Clerk room.

Ridge beam

1 16-0 1-5 23

Hip rafters

2 9-0 1-3 23

Jack rafters

4 5-0 0-10 18

Common rafters

24 12-0 0-10 252

Clerk room.

Purlins

2 16-6 1-4 124

Wall purlins

2 16-6 0-11 35

Ridge beam

1 16-6 1-5 66

Common rafters

46 12-0 0-10 693

Principal room.

Purlins

2 17-6 1-4 52

Wall purlins

2 17-6 0-11 36

Ridge beam

1 17-6 1-5 28

Hip rafters

2 9-0 1-3 23

Jack rafters

4 5-0 0-10 18

Common rafters

30 12-0 1-4 1180

Carried over 3873

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
Painting (Carp.) B. F.					3873	
Parlors	2	36-6	1-11		97	
Wall parlors	2	36-6	0-11		67	
Reard Ridge beams	1	36-6	1-5		52	
room Hip rafters	2	8-0	1-3		20	
Jack rafters	4	5-0	0-10 1/2		18	
Common rafters	52	12-0	0-10 1/2		546	
Parlors	2	21-6	1-9		75	
Porch Parlor on wall	2	21-6	0-11		39	
Ridge beam	1	21-6	1-5		30	
Common rafters	34	12-0	0-10 1/2		357	
Porch	41	2-0	6-0		492	
Cap over posts	41	3-0	0-8		62	
Brassware	4	297-0	1-4		396	
Voraidah Rafters	155	4-0	1-1		1847	
Hip rafters	8	13-0	1-5		130	
Jack rafters	80	5-3	1-5		525	
Case board	440	1-0	1-3		500	
Barge boards for Cabin room	2	36-0	1-7		105	
Gables	4	23-0	1-7		177	
"	24	1-6	0-9		27	
"	60	1-0	1-6		27	
Reefers					1768	
Total square feet 11533						

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
Lead sheeting for Valley 8 12		1-8	14-4		720	720 lbs.
Wooden hand railings for						
stairs	1	26			26	
Roofing work						26 sq. ft.
Archways in Porch	3	20-0			60	
Windows	13	7-0			71	
"	1	8-0			8	
Total square feet 159						
Graveling 6" thick						
Porch	1	13-0	15-6		207	
"	2	7-6	2-0		38	
"	2	15-0	8-0		240	
Total square feet 485						
Punkah 10 feet long	1				1	1 ft.
Petty Supervision						
Contingencies						

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.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
8	# 22#	rs.	7	rs.	rs.
15309 cft	Excavation for foundation	11.00		1684	
6374	" Concrete	11.22		715	
8412	Stack bricks in chunam for foundation and basement	19.80		1684	
7912	D's for Superstructure	20.20		2032	
766	D's Archwork	23.50		180	
6205	Filling in basement	5.00		31	
181	" Cut stone work.	2.00		362	
390 cft	Buddapah Stone	24.80		96	
971 cft	Teak wood wrought and put up	3.80		3699	
324	Teak Venetian and panel doors with frames 3 1/2 x 5 hinges locks & other fittings Complete			344	
261	Teak Panel doors with frames 3 1/2 x 5 hinges & other fittings Complete			228	
324	Venetian windows with frames (3 1/2 x 5) including glazed inner shutters and brass fastenings Complete	11.80		587	
182	Venetian windows with frames & other glazed heads, iron bars & brass fastenings	1.80		329	
Grand Total of Estimate				10191	

Station _____
 Dated _____ 189 _____

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.			10131	
32 Sff	Windows with fixed glazed frames complete — 1-30 Sff			38	
149 "	Do with fixed wire netting & frames	0-40 "		102	
600 Sff	Brought over work for trusses	0-30 Sff		113	
8576 Sff	Tiled roofing with flat & pan tiles includ- ing tank repairs	14-10 Sff		1206	
4057 "	Levelling Course of Concrete 6" thick under flooring — 7-00 "			284	
2296 "	Flooring with 1 1/2" square inch plank pointing with Portland Cement.	7-30 "		309	
585 "	Flooring with 1 1/2" square inch plank, oil.	4-10 "		101	
8040 "	Plastering interior of 2 coats of chunam polished	2-60 Sff		201	
7562 "	Plastering exterior with cement — 3-60 Sff			157	
3405 "	Painting with 3 coats of varnish paint	2-20 Sff		94	
11583 "	Do 3 coats of white paint	2-20 Sff		317	
720 Sff	Lead sheeting for valleys	20-00 Sff		135	
26 Sff	Do 2 coats of lead sheeting for dais	1-50 Sff		39	
159 Sff	Moulding over windows 10-00 Sff			15	
				13286	
Grand Total of Estimate					

Station

Dated

189

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			13236	
450	Spill. Graveling of thick wall 20 ft. high			15	
1	For Seal wood plank 10 ft. long with 20 ft. E			20	
	known holland fringes, enderwhals, hooks & other fittings including suspenders & pulling ropes &c. complete			13221	
	Petty supervision @ 2/3. Cent			333	
	Contingencies @ 5 per cent			666	
					14320 ✓
Grand Total of Estimate ..					14320 ✓

STATION Chepauk
Dated 25th March 1891

A. J. J. J.
Consulting Architect-
Barrister-Engineer.
By overman

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— Estimate for revision of design for offices for Sub Collector, Head Assistant Collector or Deputy Collector according to plan signed by the Consulting Architect on 25th March 1891.

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

16.8
Offices for Sub Collector, Head Assistant Collector or Deputy Collector according to Sheet Nos I and II signed by the Consulting Architect on 25th March 1891.

2122
35

Sup Terraced Roofing

Descriptive Specification.

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

Walling.— The walls should be built in English bond, 2½ bricks, 2 bricks and 1½ bricks thick. It may be necessary to mould special bricks for the verandah piers shown 18" square.

Stone work.— Stone slabs should be placed at the bearings of all beams and over the terrace to receive water falling from the Spouts. The steps may also be of stone, if procurable.

without great expense -

The beams & joists may be of Wood work.
well seasoned Burma teak or any
other durable Country wood proof
against white ants.

The doors & windows to be
of well seasoned Burma teak wood.

Doors &
Windows

All doors opening into Verandahs
will be of $\frac{1}{3}$ panel and $\frac{2}{3}$ Venetians.

Inner doors to be panelled throughout.

The windows will have outer venetian
shutters and glazed shutters opening
inside - The windows for the Record

Room will have venetian shutters
opening outside with fixed glazed
gothic top & 1" inch square iron bars
fixed diagonally. The Ventilators

will be of galvanized iron wire
netting fixed inside, with $\frac{1}{2}$ " mesh
& stretched across to prevent cats or
birds from entering and outside

Cuddapah (or any other similar)
Slab venetians fixed 8" inches from
Centre to Centre leaving clear space

of about 6" inches. The two Ventilators
at back wall of Court will be fixed
glazed sashes to throw light on the
Judges seat.

2122/36

Coping

Cuddapah Slabs Coping
resting on brick Corbels will be
fixed throughout the building to
the level of the terrace instead of
Cornice. The stones to be well fitted
at every joints & angles & then
pointed with Portland Cement as
shown in detail.

Roofing.

The roofing will consist of
"pukka terracing" care being taken
that proper slopes are made for
drainage towards the weep holes, the
water will flow over the Cuddapah
slabs and fall clear of the building.

Flooring.

The floor may be laid with
square bricks on 6" concrete, or stone
slabs, if the latter are easily procu-
rable. Where the soil is damp,
the space below the flooring
should be filled with river sand.

Asphalte flooring is provided for the
Record Room.

The interior walls will be fine
plastered with shell lime & polished
or plastered & white washed. Where
good bricks or stone obtainable, the
exterior should be pointed. In
damp soil the plinth & interior
walls about 3 feet above floor
level, should also be plastered
with Cement.

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

Very truly

Consulting Architect
to Government.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	MEASUREMENTS IN FEET.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7

Excavation for foundations

Count walls four sides	108	1	4	6	5	0	2430	
Do for do	1	20	10	1	6	11	16	
Do steps	2	4	6	3	0	6	11	
Front, rear & end walls of head clerk's & clerk's rooms	141	6						
Cross walls of do do	1	13	6					
Front rear & end walls of Private room	1	52	6	4	0	5	0	13220
Verandah all round	319	6						
Cross walls of do do	2	4	0					
Porch	1	13	6					
Tower	5	9	5	9	5		165	
Steps	1	20	0					
Do	4	11	6	2	0	1	6	198
Do Porch	1	13	6	1	6	1	6	10

Cubic feet 16,053

Concrete in foundations

Count walls four sides	108	1	4	6	2		972
Record room interior wall 3 sides	86	6					
Front rear & end walls of head clerk's & clerk's rooms	141	6					
Cross walls to do do	1	13	6	4	2	2	5284
Front rear and end walls of Private room	52	6					
Verandah front, rear & end all round	319	6					
Cross walls to do do	2	4					
Porch	1	13	6				

Concrete over 6260

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
Brought forward cubic feet					6260	
Lower	1	5	9	5	9	2 0 66
Steps	1	20				
	4	11	6		3	1 6 297
Do	1	13	6	1	6	30
Total cubic feet						6633

Brickwork in foundations

Footings

Count walls four sides	108	3	3	1	6	527
Room room outer wall sides	57					7
Front rear and end walls of Head						
clerk & clerk room		142				9
Cross wall to do do	1	14				9
Front rear & end walls of					2	9 1 6 2784
Private room		53				9
Verandah all round		320				9
Cross walls to do do	2	5				3
Porch	1	14				9
Lower		6	17	6	17	1 6 61
Above footings to ground level						
Count walls 4 sides	108	2	6	1	6	105

Brought forward cubic feet

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
Brought forward cubic feet						
Room room outer wall 3 sides		88				6
Front rear & end walls of clerk						
rooms		143				6
Cross walls to do	1	15				6
Front rear & end walls of Private					2	1 6 2063
rooms		32				6
Verandah front & rear & end		321				6
Cross walls to do	2	6				
Porch	1	15				6
Lower		1	6	9	6	9 1 6 68
Basement						
Count walls 4 sides		108	2	6	2	0 520
Paris wall	1	22	10	1	6	2 0 69
Do Steps	2	4			3	1 24
Room room outer wall 3 sides		88				6
Front rear & end walls of Head						
clerk & clerk room		143				6
Cross wall of do do	1	15				6
Front rear & end walls of Private					2	2 2724
rooms		54				6
Verandah all round		321				6
Cross wall of do do	2	6				
Porch wall all round	1	15				6
Lower		1	6	9	6	9 2 0 91
Steps		1	19	6	3	6 29
		1	17	6	2	6 18
		1	15	6	1	6 8
Brought forward cubic feet						

2122
38

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
Brought forward cubic feet						
Steps	4	11	3	6	66	
	4	9	2	6	36	
	4	7	1	6	14	
Do Park	1	16	1	3	20	9527
Deductions						
Subways in Park	2	9	6	2	0	76
For steps	1	7	6	2	1	19
Cut stone for steps	1	19	6	3	0	29
	4	11	3	6	66	
Do Do in Park	1	15	6	1	6	12
	1	9	6	1	6	7
Total cubic feet of Brickwork						9318

Brickwork in superstructure

Count walls four sides	108	"	2	"	20	"	4320	
Do	1	23	9	1	$1\frac{1}{2}$	2	0	53
Steps	2	4	"	3	"	1	"	24
Recessed walls 3 sides	89	"						
Front rear & end walls of Main								
Chloro & Chloro rooms	164	"	1	6	16	"	7296	
Cross wall to do	16	"						
Front rear & end walls of								
Private room	55	"						
Verandah all round	320	"						
Cross walls to do	1	6	6	1	6	12	0	5913
Do	1	6	6	1	$1\frac{1}{2}$	12	"	88

Brought forward cubic feet

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			
Brought forward Cubic feet									
Porch	16	1	6	12	828	2122			
Lower up to the level of Count terrace	1	7	7	20	980	39			
Do above Do 5 1/2	1	24	6	1	3	318			
Binding walls over cross walls	2	16	3						
Do verandah	1	6	6	1	3	1	48		
Do Do	1	6	6	1 1/2	1		7		
Masonry projection inside Arches	27	12	0	1	0	6	162		
	4	10	0	1	0	0	6	20	
String course over arches	27	13	0	0	3	0	3	22	
Do Do	4	20	0	0	3	0	3	5	
Do gothic windows (Recessed)	13	7	0	0	3	0	3	6	
Do Do	2	8	6	0	3	0	3	1	
Do Do Lower	6	7	0	0	3	0	3	3	
Do Ventilators	10	5	0	0	3	0	3	3	
Corbels below eaves									
slabs Copings	80	1	3	0	9	0	6	38	20135
Deductions									
Down to Count	4	4	6	2	0	9	0	324	
Do clerks & Private rooms	10	4	6	1	6	9	0	608	
Do Bath room in verandah	1	3	0	1 1/2	6	0		20	
windows in Count	2	4	6	2	0	6	0	108	
Do recess	2	4	6	0	9	3	0	20	
Do clerks & Private rooms	10	4	6	1	6	6	0	445	
Do recess	10	4	6	0	9	3	0	101	
Do Bath rooms	1	3	0	1	6	5	6	25	

10,000—26-9-90.

Brought forward cubic feet

20135

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
Brought forward Cubic feet						20135
False windows on insulation	1	0	0	9	5	6
Do recess	2	3	0	0	9	3
Do room rooms do	13	2	0	1	6	5
Do recess	13	2	0	0	9	3
Ventilators to Count	4	4	0	2	0	4
Do	6	4	0	2	0	1
Do Clerk & Private Room	16	4	0	1	6	1
Do Bath room	1	3	0	1	6	1
Lower Hollow portion	1	23	9	area	20	0
Do Downway in ground	1	2	6	1	6	6
Do Do over counter terrace	1	2	6	1	6	6
Do windows	6	1	6	1	3	4
Do Loop holes	2	0	6	1	6	2
Verandah 4. Arches						
rectangular portion	27	7	0	1	6	4
Gothic portion	27	21	6	area	1	6
Do end rectangular portion	1	10	0	1	6	3
Gothic portion	1	10	0	area	1	6
Porch rectangular portion	3	10	0	1	6	3
Gothic portion	3	10	0	area	1	6
Arch work as per details						1539
						6961
Total Cubic feet Superstructure						13174

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
Ornamental Parapet walls						2122
Count walls						108
Room rooms						89
Head Clerk & Clerk's room						144
Private room						55
Verandah all round						322
Porch						46
Lower						23
Archwork Flat						
Doors in Count	4	6	0	2	1	1/2
Do Clerk & Private room	10	6	0	1	6	1
Do Bath room in verandah	1	4	6	1	6	1
Do Lower in ground floor	1	4	0	1	6	1
Do Do over terrace	1	4	0	1	6	1
Windows in Count	2	6	0	2	1	1/2
Do Clerk & Private rooms	10	6	0	1	6	1
Ventilators in Count	4	6	0	2	1	1/2
Do Do	6	6	0	2	1	1/2
Do Clerk & Private rooms	16	6	0	1	6	1
Total Cubic feet						602

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
<u>Archwork circular</u>						
Gothic windows in end						
Verandah (3)	2	7	3 1	6 1 1/2	24	
Do Record room	2	13	5 1/2	1 6 1 1/2	123	
Do Tower (1 1/2)	6	4	7 1/2	1 6 1 1/2	47	
Do archwork in Verandah (7)	27	13	7 1/2	1 6 1 1/2	622	
Do end Do (10)	1	18	"	1 6 1 1/2	30	
Do Porch (10)	3	18	"	1 6 1 1/2	91	
Total cubic feet						937

Cornice work

Around inside of eaves	112	"	"	"	112	
Do Head Clerk's room	68	"	"	"	68	
Do Clerk's room	138	"	"	"	138	
Do Private Do	72	"	"	"	72	
Total Running feet						390

Cast stonework

Slabs under beams for Count	4	2	"	2	"	6	8	
Do Clerk's, Private & record room	16	1	6	1	6	"	4	12
Do for steps	1	19	6	3	"	"	6	39
Do Do	4	"	"	3	"	"	6	66
Do Do	1	8 1/2	"	1	2 1/2	"	6	20
Do on terrace below street	32	2	"	2	"	"	3	32
Total cubic feet								167

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
<u>Crissapah slabs for coping</u>						
Count		12 1/2	"	"		
Tower		4 1/2	"	"		
Record room	78	"	3 6	"	2884	
Clerks & Private rooms	20 1/2	"	"	"		
Verandah	37 1/2	"	"	"		
Ventilators to Count	2	5	"	5	"	1 9 88
Do Do	6	2	"	5	"	1 8 100
Do Clerks & Private rooms	16	2	"	5	"	1 8 267
Total square feet						3339

Teakwood wrought & put up

Count - Beams	2	22	6 1	"	1	6 67.6	"
joists 18" centre to centre	15	22	6 0	3 0	6 1/2	66	2
Head Clerk's room - Beams	1	18	6 0	10 1/2	1	2 18.10	7
joists 18" centre to centre	12	18	"	"	3	5 22.6	"
Clerk's room - Beams	4	18	6	"	10 1/2	2 75.6	6
joists 18" centre to centre	12	18	6	"	3	6 72.9	"
Private room - Beams	1	18	6	"	10 1/2	2 18.10	7
joists 18" centre to centre	12	20	0	"	3	6 30	"
Record room - Beams	2	18	6 1	"	1	2 43.2	"
joists 18" centre to centre	12	38	"	"	3	7 1/2	71.3
Verandah - Beams at angles	6	11	"	"	5	7 1/2	17.23
joists 18" centre to centre	16	4	"	"	3	5 136.8	"
at angles	12	7	3	"	3	5 9 9	"

10,000-26-0-00.

Carnum was cubic feet

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

Brought forward cubic feet						
Joists at angles	12	5	9	3	57.23	
Do	12	4	3	3	53.39	
Do	12	2	9	3	53.53	
Lower — joists	57	0	3	4	2.11	
Porch — joists	12	15	3	3	57.23	
Total cubic feet					706.55	706

Terminated roofing

Roof	1	31	21		651	
Head clerks room	1	17	17		289	
Clerks room	1	46	17		782	
Private room	1	19	17		323	
Recess room	36	17			612	
Screened at front, back & ends	240	7	6		2175	
Lower	1	6	6	6	42	
Porch	1	17	14	6	247	
Total Square feet					5121	

Teak Venetian & Panel Doors with frames

Doors opening into screened	8	16	6	7	324	Square feet
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ESTIMATE FORM.—Detail Measurements.

P. W. D. Form,
No. M 204.

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

Teak Panelled doors with frames

Inner doors	6	4	6	9	243	
Do Do for Bath	1	3	6	6	18	
room & spiral staircase room	2	2	6	6	30	

Total Square feet 291

Teak Venetian windows with frames including glazed inner shutters & fittings &c

	12	4	6	6	324	Square feet
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Venetian windows with frames, Gothic glazed heads iron bars & brass fittings.

Do fittings (12x6)	1	3	6	3	19	
Do Do (12x6)	13	2	6	3	163	
Do Do Lower	6	1	6	4	36	

Total Square feet 218

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
Ventilators with fixed glazed shutters frames to be counts	2	4 0	4 0		32	Square feet
Do fixed were netting & frames &c do	2	4 0	4 0		32	
Do do	22	4 0	1 6		132	
Do do for Bath room	1	3 0	1 6		5	
					Square feet 169	

Filling in basement

Count	1	29 6 19	6 1 6		863	
Dois	1	6 10 7	9 2 0		107	
Head clerks room	1	15 6 15	6 1 6		362	
Clerks room	1	44 6 15	6 1 6		690	
Private room	1	17 6 15	6 1 6		407	
Recor room	1	34 6 15	6 1 6		822	
Bath room	1	13 0 6	0 1 6		117	
Serandah front & head ends	244	6 6	0 1 6		2331	
					Total cubic feet 5727	

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
Flurring basement with 6" concrete under 8" sq. bricks						2122 43
Count		29 6 19	6 1 6		575	
Head clerks room	1	15 6 15	6 1 6		240	
Clerks do		44 6 15	6 1 6		690	
Private do		17 6 15	6 1 6		271	
Recor room	1	34 6 15	6 1 6		335	
Serandah front, back & ends		244 6 6	0 1 6		1662	

Total Square feet 3979

Paving with 8" square bricks

Count	1	30 20			600	
Head clerks room	1	16 16			256	
Clerks room	1	45 16			720	
Private room	1	18 16			288	
Serandah front back & ends		250 6 6			1820	
Count doorway	1	4 6 2			36	
Doorways	9	4 6 1			41	
Do	1	3 9			2	
Window sills	12	4 6 9			41	
Do	1	3 9			2	
Serandah Archies	277	1 9			331	

Total Square feet 4137

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
Flooring with asphaltic 3/4" thick						
Recess Room	1	35	16		560	
Roomway	1	4	61	0	5	
Window sills	13	2	0	9	24	
Total Square feet					585	

Plastering interior

Count	1	102		19	3	1925
House sides	2	8		2		32
Head Clerk's room	1	64		15	3	974
Clerk's room	1	122		15	3	1861
Private room	1	68		15	3	1037
Recess Room	1	102		15	3	1536
Bath room	1	40		11	3	432
Tower	1	17	3	28	6	325
Doors jambs & soffits	11	22	6	2		180
Do	10	22	6	1	6	338
Do	1	15	6	1	1/2	17
Do	1	15	6	1	6	23
Do	1	15	6	1	3	17
Windows	2	16	6	2	0	66
Do	10	16	6	1	6	248
Do	1	15	6	1	6	23
Do	13	12	6	1	6	244
Do	6	9	6	1	6	86
Garnish paper square feet						

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
Brought forward square feet						
Ventilators to Count	4	16		2		128
Do	6	11		2	6	132
Do Clerk's & Private room	16	11		1	6	264
Do Bath room	1	9		1	6	14
Binding wall	2	16		3	6	112
Do	1	6	6	3	6	23
Do	1	6	6	3	1/2	20
Total						10323
Description						
Doors	20	4	6	9	0	810
Do	1	3	0	6	0	18
Do	2	2	6	6	0	30
Windows	12	4	6	6	0	324
Do	1	3	0	6	2	19
Do	13	2	0	6	3	163
Do for Tower	6	1	6	1		36
Ventilators	4	4	0	1		64
Do	22	4	0	1	6	132
Do	1	3	0	1	6	5
Total square feet						8722

Painting Exterior

All round the basement	445	6	2	0	891
Do verandah walls & Parb	365	10/12	11	3	4116
Do	358	0	12	0	4296
Partitions walls in verandah	9	6	6	11	3
Garnish paper square feet					7761

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
Brought forward square feet					9961	
Court room, clear story	69	0	19.3	13.25	1	
Do	36	6	4.0	146	1	
Clerks room do	132	6	15.3	1868	1	
Private room do	55	4 1/2	11.3	620	1	
Do do	38	.	4	232	1	
Record room do	76	.	12	912	1	
Do in verandah						
terrace	16	.	11	64	1	
Lower wall above verandah	1	32	.	9.3	296	1
roof	1	23	.	8.9	201	1
jambs & soffits of arches in verandah	27	31	.	1.6	567	1
Do do 1 Porch	4	24	.	1.6	144	1
Parapet walls in court	108	.				
Record room	57	.				
Clerks room	164	.				
Private room	33	.	5.9	1535		
Verandah	372	.				
Porch	16	.				
Lower	23	.				
Reductions						20867
Doors	8	1.6	9.0	324		
Do	1	3	.	6	18	
Do	2	2.6	6.0	30		
Windows	12	4.6	6.0	324		
do	1	3.0	6	18		
do Record room	13	2	.	6.0	136	
do Lower	6	1.6	4	36		
Brought forward square feet					906	20

Brought forward square feet 906 - 20

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
Brought forward square feet					906	20867
Ventilators	4	4	.	4.0	64	
Do	22	4	0	1.6	132	
Do	1	3	0	1.6	5	1107
Total square feet						19760
Painting doors & windows with 3 coats of Carson's Oak paint						
Verandah & panel doors	8	4.6	2 3/4	9	891	
Panelled doors	6	4.6	2 3/4	9	547	
Do	1	3	.	2 3/4	6.0	141
Do	2	2.6	2 3/4	6.0	68	
Verandah windows	12	4.6	3	6.0	972	
Do	1	3	0	3	6.3	56
Do Lower	6	1.6	3	6.0	162	
Do with iron bars	13	2	0	3 1/2	6.3	569
Ventilators	4	4	.	2	1.0	128
Do	22	4	.	2	1.6	264
Do	1	3	.	2	1.6	9
Total square feet						3707

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

Painting with 3 coats of fine
white paint

Glazed shutters for windows	12	4	6	6	0	324	
Ceiling {	Beams	2	20	0	4	0	160
	Joists	15	30	0	1	4	600
Head Clerk's room {	Beams	1	16	0	3	2 1/2	51
	Joists	12	16	0	1	1	208
Clerk's room {	Beams	4	16	0	3	2 1/2	205
	Joists	12	15	0	1	3	675
Private room {	Beam	1	16	0	3	2 1/2	51
	Joists	12	15	0	1	3	270
Pew room {	Beams	2	16	0	3	4	107
	Joists	12	35	0	1	6	630
Verandah {	Beams at angles	6	9	0	1	8	90
	Joists	16	6	3	1	1	1110
	Do angles	12	4	9	1	1	62
	Do	12	3	3	1	1	42
Lower {	Joists	12	1	9	1	1	23
	Porch	8	3	6	0	11	25
	Joists	12	13	6	1	1 1/2	277

Total Square feet 4710

26 Running
feet

ESTIMATE FORM.—Detail Measurements.

27

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.—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
Spiral stair case complete	1	5 6	20			2122 46
Graveling 6" thick Porch	1	13		15 6	202	
do driveway	2	9 6		2 0	38	
Front & rear of Porch	2	15 0		8 0	240	
Total Square feet						480

Quirkah 10' long complete

N^o 1

ESTIMATE FORM.—Abstract.

28

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
16053 cubic ft.	Excavation for foundation	5.10	1000 yds	75	
6653 "	Concrete	14. "	100 yds	931	
9318 "	Foundation & Basement with stock bricks in chumans	19.8	3	1817	
13174 "	Superstructure with stock bricks in chumans	20.8	3	2701	
2213 "	Ornamental parapets with stock bricks in chumans	25. "	3	553	
602 "	Flat arch work with stock bricks in chumans	22.8	3	135	
937 "	Circular archwork do	23.8	3	220	
390 Sft.	Cornice work do	5. "	122		
167 cft.	Antistone work	2. "	334		
3339 Sft.	Endapah slabs for coping including facing & pointing with cement	24.8	100	818	
706 cft.	Teakwood wrought & put up	3.3	141	2471	
5121 Sft.	Plastering with brick or edge gelly 3" thick 3 courses of flat tiles 13 coats, plastering on top & ceiling	27. "	100	1383	
324 "	Pairs of teak panel & ventilation doors with frames 3 1/2" x 5" hinges hooks & other fittings complete 1. "			344	
	Learned over			11955	
Grand Total of Estimate					

STATION

Dated 189

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.

29

Quantity	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward			11904	
291 Sq.ft.	Pairs of teak panel doors with frames $3\frac{1}{2} \times 5$ hinges & other fittings complete	"	"	87 ft. 255	2120 48
324 "	" Teak ventilator windows with glazed shutters inside frames $3\frac{1}{2} \times 5$ hinges hooks bolts & other fittings complete	1.13	"	587	
218 "	" Teak ventilator windows with glazed top, frames, iron bars & other fittings complete	1.12	"	382	
32 "	Fixed glazed ventilators with frames complete	1.3	"	38	
169 "	Do wire netting for ventilators with frames complete	"	"	116	
5724 cft.	Filling in basement	5	" 1000 cft.	29	
3979 Sq.ft.	Leveling course of concrete 6" thick under flooring	7	" 1000 sq.ft.	279	
4137 "	Flooring with 8" square bricks in chumans & pointing with Portland cement	7.5	"	297	
585 "	Flooring with asphaltic $3\frac{1}{4}$ " thick, well rubbed over	17.5	"	101	
8722 "	Plastering with 2 coats of chumans polished inside	2.8	"	218	
	Grand Total of Estimate			15206	

Station—

Dated—

189

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.

30

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward			14206	
19760 Sqft.	Painting with cement outside 2" " " 1005 ft	396			
3707 " "	Painting doors & windows with 3 coats of Cassius oak paint	2.12	"	102	
4910 "	Painting woodwork with 3 coats of zinc white paint 2.12	"		135	
26 R. ft.	Teakwood turned rail for dais	1.8	R. ft.	39	
1 No.	Spiral stair case to be built of masonry with plastering complete 5 1/2 feet dia: 20 feet in height			16	
480 Sqft.	Graveling 6" thick well watered & rammed	3.2	" 100 ft	15	
1 No.	Teakwood punkah 10 feet long with brass holland rings, brass wheels, hook & other fittings including suspenders & pulling ropes &c complete	20	Each	20	15072
	Petty supervision at 2 1/2 percent			375	
	Contingencies at 5 percent			753	1128
Grand Total of Estimate				16200	

STATION

Dated 25th March 1891

Henry Miller
Consulting architect
Executive Engineer
Government

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—

*Schedule for Revenue to be
designed for officers for Sub Collectors, Head
Assistant Collectors, Deputy Collectors,
According to Art. 7, 1891 signed by
Consulting Architect on 26-7-91*

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

PUBLIC WORKS DEPARTMENT

Read the following

*From the Consig. Architect to Govt H.E. No 3754 dated 25 April 1891
Endorsement in Public Works Dept No 530 17 April 1891
Proceedings of the Board of Revenue H.E. No 3284 12 May 1891
do Revenue Dept 4030 14 July 1891
From the Consig. Architect to Govt 1689 28 July 1891*

*The revised type
designs for officers for Sub
Collectors, Head Assistant
Collectors or Deputy Collectors,
with specifications and
schedules of quantities
will be circulated to
officers of the P.W. Dept
for information and
guidance in supercession
of previous designs.*

*2. The Government concurs
in the remarks in the
Consulting Architect's
letter No 1689 dated
28 July 1891 above
recorded.*

*3. Filed on terraced
design*

designs will be adopted
according to local
circumstances.

8003

14-7-1990

~~செப்பனிடம்~~
* செப்பனிடவதற்காக எடுத்துக் *
* கொள்ளப்பட்ட *
* மாதம் நவம்பர் 1990 *
* செப்பனிட முடிந்த *
* செப்பனிட மாதம் நவம்பர் 1990 *
* ஆராய்ச்சி உதவியாளர் *
* கையொப்பம் *

51 shoeb.

(51)

Sholeb. 51
Res. 51
Sholeb. 51