C№ 9696

Govt. of Madras.

PUBLIC WORKS.

Dated

Read. Encl.

G.O., 19/2 1895, No. 427/W

Stationary Sub Magis=
trate's office

The type design for
a — with terraced
roofing, circulated to
officers of the P.W.D.

(Not to be numbered till proof of the plans is received from the Press) Proof received

A/Lines

PUBLIC WORKS DEPARTMENT.

№ 427/W dy 19 Feb. 1895.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Letter from the Consulting Architect to Govt.
№ 2301 dated 3rd November 1894.
G.O., № 4941 Mis dated 15th December 1894, Reve=
=nue Dept.

The type standard design,
with schedule of quantities,
for a Stationary Sub-Magis=
=trate's office with terraced
roofing is circulated to
officers of the Public works
Dept.

Note. The design was circulated to H.E. the Govr. & the Hon'ble Members in the Rev. Dept.

To

all Supts Engrs.
The Consg. Architect to Govt.
" Revenue Dept.
" Judicial Dept.

DEC

(40—2,000-22-3-94)

CSBB
6/2/95

Rev

4-8-94 № 1937 W

P. W. D. Form,
No. M. 207.

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.

I
B

1894
REVENUE DEPARTMENT.
No. 3

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		~~7880~~ RS.	RS.
	Brought forward			~~7474~~ ~~7336~~	
5417 ~~5362~~ Sq ft.	Plastering interior with chunam 2 Coats polished	@ 2·8·0	100 Sq ft	135 ~~134~~	
7864 ~~7825~~ "	Painting Exterior black with tar and asphalte	@ 3·—·—	"	236 ~~226~~	
1766 · ~~4502~~ ~~2577~~ ~~2546~~	Painting doors & Windows with 3 Coats Oak paint	@ 2·5·—	"	41	5
	Wood oiling roof timbers 3 Coats	@ 0·15·0	"	42 ~~24~~	
14 Lft	Wooden railing for Lais including fixing & Varnishing Complete	@ 1·8·0	Lft.	21	5
16 "	Punkahs complete including wheel &c	@ 1·8·—	"	24	~~7805~~ ~~7806~~
1	Wooden movable ladder ——	@ 16·—·—	each	16	8385
	Petty Supervision	@ 2½ per cent°		~~198~~ 210	
	Contingencies	@ 5 . do.		~~397~~ 420 ~~390~~ 595	
					884
					9015 ~~8550~~
	Grand Total of Estimate ..				~~8390~~

Consulting Architects office

STATION Bombay

Dated 2d November 1894

Consulting Architect to Govt

Executive Engineer.

Rupees Eight thousand three hundred and ninety only

P. W. D. FORM, No. M 207.

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.
~~8974~~ 8900 cub ft	Excavation for foundations	1 4-10-0	1000 cft	41	
~~7994~~ 7920 "	Concrete in foundations with broken clinker bricks	3 14-0-0	100 cft	~~1119~~ 1109	
~~2534~~ 2493 "	Brickwork in foundations and basement with stock bricks	3 20-0-0	"	507 ~~499~~	
6739 ~~6760~~ "	Do. in Superstructure do.	1 22-0-0	"	1480 ~~1487~~	
1475 "	Do. in parapets & do	1 24-0-0	"	354	
~~574~~ "	Archwork do.	1 25-0-0	"	144	
21 "	Stone slabs dressed under beams	2-0-0	c ft	42	
~~3821~~ ~~3935~~ "	Earth filling in basement	1 3-0-0	1000 cft	~~11~~	
371 "	Teak wood wrought & put up	1 3-8-0	c ft	1299	
~~199~~ "	Do Do prepared rebates	4-0-0	"	396	
175 Sq ft	Venetian & glazed doors with chom fittings	3 1-1-0	Sq ft	186	
106 "	Panel doors do. do	1 0-14-0	"	93	
~~257~~ ~~271~~ "	Venetian Windows do.	1 1-1-0	"	~~268~~ 75	
73 "	Do. with iron bars do.	1 1-12-0	"	128	
26 "	Ventilators with glazed shutters do	1 0-0-0	"	26	
~~1551~~ ~~1671~~ "	Cuddapah slabs for Cornice including fixing complete	25 0-0-0	100 sft	388 ~~418~~	
~~3033~~ ~~2999~~ "	Terrace roofing with brick mosaic 3" concrete and 3 courses of flat tiles plastered & polished on tops and ceiling	25 0-0-0	"	758 ~~750~~	
~~2934~~ ~~3058~~ "	Flooring with cuddapah slabs 2" thick on a 4" bed of concrete pointed with tar & asphalte	22 0-0-0	"	645 ~~670~~	
	Carried over			~~7336~~	
				~~7474~~ 7880	

Grand Total of Estimate ..

STATION _____

Dated _____ 189 .

Executive Engineer.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
	22	4	3	3	6	6 12
Brought forward Square feet						1048 9997
Deductions						
Verandah openings	14	7. 0				
Do	20	6. 6				
Do	4	5. 10½				
Do	~~2~~ 4	5 0				
Do	~~2~~ 2	4. 0				
		~~279.6~~ 266.6		7. 8	~~2026~~ 1925	
Doorways						
Do	5	4. 6		8 6		
Do	1	3 0		5. 6	217	
Do	1	2. 6		7. 0	18	
windows	6	4. 6		5. 9		
Do	2	3. 0		5. 9	190	
Do	10	2. 0		4 6	90	
Ventilators	6	3. 0		1 9	32	2573 ~~2411~~
					Square feet	~~7864~~ 7586
Painting doors & windows with 3 coats oil paint						
Venetian & panel doors	3 X	5	4 6		8. 6	574
Do	2 X	1	3 0		8. 6	51
Panel doors	2 X	3	4. 6		8. 6	230
Do	2 X	1	2. 6		7 0	35
Venetian windows	3 X	6	4. 6		5. 9	466
Do	3 X	2	3. 0		5. 9	104
Do	3 X	10	2. 0		4. 6	270
Carried over					Square feet	1730
Total of	1	450. 0			1-6	675

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

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward	Square feet				1730	
Ventilators	6	3 0		2 0	36	
	Square feet					1766
Woodworking roof timbers						
Court room beams	2	15.0		3.6	126	
joists	13	25.0		1.1	352	
Clerks rooms beams	2	16.0		3.1	99	
joists	12	25.6		1.1	332	
Private room do	12	12.0		1.7	228	
Record room beams	3	16.0		2.11½	142	
joists	12	26.0		1.0	312	
Verandah angle beams	7	9.6		1-8	111	
joists	92	6.6		1.0	598	
do at angles	56	5-3 4.6		1.0	294	
Total sft. for main buildings						2594
Record racks (6.0×2.6×9.11) uprights	6	10-0	-	1-0	60	
Horizontal pieces	28	2-9	-	0-10	64	
Ends & Cross pieces	21	2-0	-	0-10	35	
Horizontal pieces for Shelves	42	2-9	-	0-8	77	
					236	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward	Square feet					6488 6193
Deductions						
Doors	11	4. 6				
D2	1	3 0		8.6	446	
D1	1	2. 6		7. 0	18	
Windows	6	4. 6				
D2	2	3 0		5. 9	190	
D3	10	2. 0		4. 6	90	
Ventilators	6	3 0		1. 9	32	
						776
	Square feet					5417 5417
Pointing Exterior						
Plinth		253. 6		2. 3	638	
Steps sides	8	2. 0		1. 6	24	
Verandah & record room exterior walls including parapet				13-6	3666	
		282. 0		12-0	3384	
Interior of verandah		380-6			3805	
		380-6		10. 0	3806	
Clear storey over court (front & rear) including parapet		60. 0		10. 5	630	
D2 at (sides) D3	2	19. 0		7. 6	285	
D2 over clerks room D2		73-0		6. 0	438	
D2 private room D2		75. 0		6. 0	450	
Jambs & soffits of verandah openings		46. 8		6. 0	276	
D2 D3	7	21. 0				
D2 D1	10	20. 6				
D2 D2	2	20. 0				
D2 D2	2	19. 6				
D2 D2	1	19-0				
		458-0		1-6	675	10437 9999

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

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward Square feet					2724 ~~2848~~	
Verandah opening	7	7. 0				
Do	10	6. 6				
Do	2	5-10½	1. 6		210	
Do	2	5 0				
Do	1	4. 0				
Square feet						2934 ~~3058~~
Plastering interior						
Court room		56. 0		17. 6	1565	
Clerks do		83. 0				
Private do		56. 0		13. 0	1807	
Record room		84. 0				
Retiring room		36. 0		10. 0	1100	
Door jambs & soffits	8	22. 0				
Do	1	20. 6		1. 1	213	
Do	1	17. 0		0. 9	13	
Window jambs & soffits	6	16. 6				
Do	2	15. 0		1. 1	265	
Do	10	11. 6				
Window cills	6	4. 6				
Do	2	3. 0		0. 7½	33	
Do	10	2. 0				
Windows, sides of recesses	36	0. 4½		2. 9	37	
Ventilators sides soffits & cills	6	9. 6		1. 1	62	
Interior of parapets		463. 0 ~~444. 0~~		2. 6	1158 ~~1102~~	6193 ~~6138~~
Carried over						6193 ~~6138~~

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

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Terrace roofing						
Court room	1	26. 0	19. 0		494	
Clerks room	1	26. 6	17. 0		451	
Private room	1	13. 0	17. 0		221	
Record room	1	27. 0	17. 0		459	
Verandahs & retiring room		187-9 ~~186-6~~	7. 6		1408 ~~1374~~	
Square feet						3033 ~~2999~~
Flooring with Cuddapah slabs on a 4" bed of concrete.						
Court room		25. 0	18. 0		450	
Clerks room		25. 6				
Private room		12. 0	16. 0		1016	
Record room		26. 0				
Retiring room		6. 6	6. 6		42	
Verandahs		177-3 ~~176-3~~	6. 6		1157 ~~1076~~	
Door jambs	8	4. 6	1. 1			
Do	1	3. 0	1. 1		42	
Do	1	2. 6	0. 8½		2	
Window do	6	4. 6				
Do	2	3. 0	0. 4½		20	
Do	10	2. 0				
Carried over Square ft.					2724 ~~2848~~	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Panelled doors						
Inner doors	3	3. 11		7. 11	93	
Door in retiring room	1	2. 0		6. 6	13	
						Square feet 106
Venetian windows	6	4. 0 + 10½		5. 3	126 59	
	2	2-6 + 1½		5 3	26 12	
						Square feet 225 77
Venetian windows with glazed tops & ¾ Square Iron bars						
Record & retiring rooms	10	1. 9½		4. 1	73	Square feet
Ventilators with glazed shutters moving on side — pivots	6	2. 6		1 9	26	Square feet

Note

Doors & windows taken out in accordance with appendix G. Standard Specifications

Cuddapah slabs for Cornice 517 Sq. ft.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Teakwood wrought & put up						
Court Room — beams	2	20. 6	0. 10	1. 4	46	
joists, centre bay	13	9. 0	0. 3	0. 5	37	
do End do	26	9. 3				
Clerk's Room — beams	2	15. 6	0. 9	1. 2	32	
joists, Centre bay	12	9. 1½	0. 3	0. 5	35	
do End do	24	9. 3½				
Private Room — joists	12	13. 6	0 3	0. 8	27	
Record Room — beams	3	15. 6	0. 7½	1. 2	40	
joists	45	7. 0	0. 3	0. 4½	32	
Verandah — Angle beams	7	12. 0	0 6	0. 7	25	
joists including retiring room	92	8. 0	0. 3	0. 4½	69	
do at angles	14	7. 6				
do do	14	6. 0	0. 3	0. 4½	28	
do do	14	4. 6				
do do	14	3. 0				
(Here insert attached sheet Teakwood for record racks)						Cubic feet 371
Venetian & panel doors						
Doors opening into verandah	5	3 11		7. 11	155	
do in private room	1	2. 6		8. 0	20	
						Square feet 175

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

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	
Archwork segmental						
Verandah arches	7	9. 0				
Do	10	8. 3				
Do	2	7. 9				
Do	2	7. 0				
Do	1	6. 0				
		181. 0	1. 6	1. 1½	305	
Over doors & windows	14	6. 0				
Do Do	3	4. 6				
over windows	10	3. 3				
over Ventilators	6	4. 6				
		157. 0	1. 6	1. 1½	265	
over retiring room door	1	3 6	1. 1½	1. 1½	4	
				Cubic feet		574
Stone slabs under beams						
	14	2. 0	1. 6	0. 6	21	Cubic feet
Earth filling in basement						
Court room		24. 7½	17. 7½	1. 6	651	
Clerks room		25. 7½	15. 7½	1. 6	14-59	
Private room		11. 7½				
Record room		25. 7½				
Verandahs & retiring room		182. 7½	6. 1½	1. 6	16-78	
10 ais		6. 6	5. 0	1. 0	33	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward Cubic feet					2560 2539	9873
Archwork as per details					574	3134
Total deduction Cft						6739
Cubic feet						6760
Brickwork in parapets Cornice &c						
Parapet over Court		90. 6				
do Clerks room		69. 3				
do private room		42. 3				
do Verandah & record room		273. 9				
		475. 9	1. 1½	2. 3	1204	
Cornice under bandapah slabs						
Court room		99. 6				
Clerks do		73. 9				
Private do		46. 9				
Verandah & record room		285. 0				
		505. 0	0. 4½	1. 0	189	
Brackets in Cornice	76	1. 0	0. 4½	1. 0	29	
String course at head of pieces		205. 0	0. 3	0. 9	38	
Cornice over arches windows &c		242. 0	0. 3	0. 3	15	
Cubic feet						1475

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

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
22½	4	5	5	5	6	6
Brickwork in Superstructure						
Court room walls		92. 0	1. 6	18. 6	2553	
Private do do		43. 0				
Clerks do do		70 0				
		113. 0	1. 6	11. 0	2373	
Record room walls		71. 0				
Verandah do		218.0				
		289. 0	1. 6	11. 0	4769	
Retiring room sides walls	2	6. 6	1. 11½	11. 0	161	
Vario walls		18. 6	0 9	1. 0	14	
do Steps	2	3. 0	1 0	0. 6	3	9,873
Deductions						
Verandah openings	7	7. 0	1. 6	7. 3	533	
do	10	6. 6	1 6	7. 3	707	
Do	2	5. 10½	1. 6	7. 3	128	
Do	2	5. 0	1. 6	7. 3	109	
Do	1	4. 0	1. 6	7. 3	44	
Doors	8	4. 6	1. 6	8. 6	457	
Do private room	1	3. 0	1. 6	8 6	38	
Do retiring room	1	2. 6	1. 11½	7. 0	20	
Windows	6	4. 6	1. 6	5. 9	233	
Do for recess	6	4 6	0. 4½	2. 9	28	
Do Court room	2	3. 0	1. 6	5. 9	52	
Do for recess	2	3. 0	0. 4½	2. 9	6	
Do in record & retiring rooms	10	2. 6	1. 6	4. 6	135	
Do recess	10	2. 0	0. 4½	2. 9	21	
Ventilators in Court room	6	3. 0	1. 6	1. 9	147	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brickwork in foundations & basements						
Court room walls		92. 0				
Private do do		42. 7½				
Clerks do do		69. 7½				
Record do do		70 7½				
Verandah walls		217 7½				
		492. 6	1. 10½	2. 6	2,509	
Retiring room sides	2	6. 11½	1. 6	2. 6	46	
Vario walls & Piers	1	18. 7½	1. 1½	2-0	41	
Steps front	1	18. 6				
do rear	1	10 6				
do sides	2	11. 0				
		51. 0	3. 0	0. 6	77	
Steps front	1	16. 6				
do rear	1	8. 6				
do sides	2	9. 0				
		43. 0	2. 0	0 6	43	
Steps front	1	14. 6				
do rear	1	6. 6				
do sides	2	7. 0				
		35. 0	1. 0	0. 6	18.	
						2534
Cubic feet						2493

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

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
22 H	4	5	5	5	6	6
Excavation for foundations						
Const. room walls		92. 0				
Private do do		40. 6				
Clerks do do		67. 6				
Record do do		66. 6				
Verandah walls		215. 6				
		484. 0	4. 0	4. 6	8712	
Retiring room walls (Side)	2	4. 0	3. 0	4. 6	108	
Steps, front (Dogis)	1	16. 4½	3. 0	1. 6	74	
do rear	1	19. 0				
do sides	1	11. 0				
	2	11. 6				
		53. 6	3. 0	0 6	80	
					8974	
					~~8900~~	
Cubic feet.						
Concrete						
Walls as above		484. 0	4. 0	4. 0	7744	
Retiring room sides	2	4. 0	3. 0	4. 0	96	
Wall of dgis	1	16. 4½	3. 0	1. 6	74	
Steps as above		53. 6	3. 0	0 6	80	
					7994	
					~~7920~~	
Cubic feet.						

Teak wood wrought & put up

Record racks (6'×2·3"×9·11") uprights	6	9·11	0·3	0·3		4
Horizontal pieces	28	2·10½	0·2	0·3		3
Ends & Cross pieces	21	2·3	0·2	0·3		2
Horizontal pieces for Shelves	42	2·10½	0·3	0·1		3
Total for one rack						12
Total for 6 racks						72
Racks (6'×1·3"×9·11") uprights	6	9·11	0·3	0·3		4
Horizontal pieces	28	2·10½	0·2	0·3		3
Ends & Cross pieces	21	1·0	0·2	0·3		1
Horizontal pieces for Shelves	14	2·10½	0·3	0·1		1
Total for one rack						9
Total for 3 racks						27
Total C.ft of Wood work for record Racks						99

On 284

~~8964·44~~

Interior

1897

REVENUE DEPARTMENT

or plastered and whitewashed. Where good bricks or stone is obtainable, the Exterior should be pointed. In damp soil the Exterior plinth and walls inside rooms, 3 feet above floor should be plastered with Portland cement. The beams and joists to be stained with 3 coats wood oil and the doors & windows painted with 3 coats oak paint.

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

Henry Irwin
Consulting Architect
to Government

with fixed glass heads & 3/4" square Iron bars set diagonally. The ventilators will consist of a glazed shutter to open & shut on side pivots.

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

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

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

Interior & Exterior finishing— The interior

P.W. CURRENT No. 9696

Govt. of {1894} Madras.

REVENUE.

To

The P. W. Dept.

Dated

Recd. 18.12.94

Encl. 5

(Plan)

Mis. G.O., 15th Decr. 1894, No. 4941

SUBJECT.

Approving the Standard design for Stationary Sub-magistrate's Office.

Standard Design for a Stationary Sub Magistrate's Office with terraced roofing, according to drawing signed by the Consulting Architect to Government on 2d November 1894

Descriptive Specifications.

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

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

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

Woodwork — The beams & joists to be of well seasoned Burmah teakwood or any other durable wood proof against white ants.

Doors & windows — To be of well seasoned Burma teakwood. All doors opening into verandahs will be 1/3 panel & 2/3 venetians. Inner doors to be panelled throughout. The windows for the Record & writing rooms will have

F 17 8,000—17-7-94.

REVENUE DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read Endorsement of the Public Works Department, dy 28th November 1894, No. 3811 C.

Order thereon, 15th Decr: 1894, No. 4941 mis.

The Standard design for a Stationary Sub. Magistrate's Office is approved.

(True Extract)

Reccan
Under Secretary to Govt.

To the P. W. Dept., with 4 Encls. √
" " Board of Revenue, L.R.

Note
Circulated in P.W. to all the Hon'ble Members of Council & H.E. the Governor.

W.H.
15-12-94

7
Answer given on page 3

1

Estimate Form—Abstract—*cont.*

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
		Rs. A. P.		Rs.	Rs.
175 sq. ft.	Venetian and panel doors with iron fittings	1 1 0	Sq. feet.	186	..
106 „	Panel doors do. do.	0 14 0	..	93	..
252 „	Venetian windows do. do.	1 1 0	..	268	..
73 „	Do. with iron bars do. do.	1 12 0	..	128	..
26 „	Ventilators with glazed shutters do.	1 0 0	..	26	..
1,551 „	Cuddapah slabs for cornice including fixing, complete ..	25 0 0	100 sq. ft.	388	..
3,033 „	Terrace roofing with brick on edge 3" concrete and 3 courses of flat tiles plastered and polished on top and ceiling	25 0 0	..	758	..
2,934 „	Flooring with Cuddapah slabs 2" thick on a 4" bed of concrete pointed with tar and asphalte	22 0 0	..	645	..
	~~Grand Total of Estimate~~ ..	..	..	..	~~7,380~~
5,417 sq. ft.	Plastering interior with chunam, 2 coats, polished ..	2 8 0	100 sq. ft.	135	..
7,864 „	Pointing exterior black with tar and asphalte ..	3 0 0	..	236	..
1,766 „	Painting doors and windows with 3 coats oak paint ..	2 5 0	..	41	..
4,502 „	Wood-oiling roof timbers, 3 coats	0 15 0	..	42	..
14 L. ft.	Wooden railing for dais including fixing and varnishing, complete	1 8 0	L. feet	21	..
		1 8 0	..	24	..
16 „	Punkahs, complete, including wheel, &c.	16 0 0	each	16	8,385
1 „	Wooden movable ladder	2 8 0	..	..	210
..	Petty supervision	per cent. 5 0 0	..	..	420
..	Contingencies	per cent.			9,015
	Grand Total of Estimate ..				

Estimate Form.—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Wood-oiling roof timbers.						
Court-room—						
Beams	2	18 0	..	3 6	126	
Joists	13	25 0	..	1 1	352	
Clerks' room—						
Beams	2	16 0	..	3 1	99	
Joists	12	25 6	..	1 1	332	
Private room—						
Joists	12	12 0	..	1 7	228	
Record-room—						
Beams	3	16 0	..	2 11½	142	
Joists	12	26 0	..	1 0	312	
Verandah angle—						
Beams	7	9 6	..	1 8	111	
Joists	92	6 6	..	1 0	598	
Do. at angles	56	5 3	..	1 0	294	
					..	2,594
Total square feet for main building ..	..	..	..	..	..	
Record-racks—						
(6′ 0″ × 2′ 6″ × 9′ 11″) uprights	6	10 0	..	1 0	60	
Horizontal pieces	28	2 9	..	0 10	64	
Ends and cross pieces	21	2 0	..	0 10	35	
Horizontal pieces for shelves	42	2 9	..	0 8	77	
					236	
Total for one rack ..	..	..	..	..	..	1,416
Total for six racks ..	..	..	..	..	..	
Racks—						
(6′ 0″ × 1′ 3″ × 9′ 11″) uprights	6	10 0	..	1 0	60	
Horizontal pieces	28	2 9	..	0 10	64	
Ends and cross pieces	21	0 9	..	0 10	13	
Horizontal pieces for shelves	14	2 9	..	0 8	27	
					164	
Total for one rack ..	..	..	..	..	..	492
Total for three racks ..	..	..	..	..	..	4,502
Total square feet of wood-oiling, three coats ..	..	..	..	..	14	Lineal feet.
Dais railing	..	..	..	..	..	
Punkahs.						
Court room	1	10 0	..	..	.. 16	Lineal feet.
Private room	1	6 0	..	..	1	
Wooden movable ladder ..	..	..	..	..		

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per.	Amount.	Total.
1	2	3	4	5	6
		Rs. A. P.		Rs.	Rs.
8,974 c. ft.	Excavation for foundations	4 10 0	1,000 c. ft.	41	..
7,994 „	Concrete in foundations with broken clinker bricks ..	14 0 0	100 „	1,119	..
2,534 „	Brickwork in foundations and basement with stock bricks	20 0 0	..	507	..
6,739 „	Brickwork in superstructure and basement with stock bricks	22 0 0	..	1,483	..
1,475 „	Brickwork in parapets and basement with stock bricks ..	24 0 0	..	354	..
574 „	Archwork do. do.	25 0 0	..	144	..
21 „	Stone slabs dressed under beams	2 0 0	Cubic feet.	42	..
3,021 „	Earthfilling in basement	3 0 0	1,000 c. ft.	11	..
371 „	Teakwood, wrought, and put up	3 8 0	Cubic feet.	1,299	..
99 „	Do. for record-rack	4 0 0	..	396	..

Estimate Form.—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Plastering, interior.						
Court room		86 0	..	17 6	1,505	
Clerks' room		83 0	..	13 0	1,807	
Private room		56 0	..	10 0	1,100	
Record-room		84 0	..			
Retiring room		26 0	..			
Door jambs and soffits	8	22 0	..	1 1	213	
Do. do.	1	20 6	..			
Do. do.	1	17 0	..	0 9	13	
Window jambs and soffits	6	16 0	..	1 1	265	
Do. do.	2	15 0	..			
Do. do.	10	11 6	..			
Window cills	6	4 6	..	0 7½	33	
Do.	2	3 0	..			
Do.	10	2 0	..			
Windows, sides of recesses	36	0 4½	..	2 9	37	
Ventilators sides, soffits and cills	6	9 6	..	1 1	62	
Interior of parapet		463 0	..	2 6	1,158	
Deductions—						6193
Doors	11	4 6	..	8 6	446	
Do.	1	3 0	..			
Do.	1	2 6	..	7 0	18	
Do.	6	4 6	..	5 9	190	
Windows	2	3 0	..			
Do.	10	2 0	..	4 6	90	
Do	6	3 0	..	1 9	32	
Ventilators						776
Total plastering Square feet	..	..	..	..	..	5,417
Pointing, exterior.						
Plinth		283 6	..	2 3	638	
Steps, sides	8	2 0	..	1 6	24	
Verandah and record-room, exterior walls including parapet		282 0	..	13 0	3,666	
Interior of verandahs		380 6	..	10 0	3,805	
Clear storey over court (front and rear) including parapet		60 0	..	10 6	630	
Clear storey over ½ court at (sides) including parapet	2	19 0	..	7 6	285	
Clear storey over clerks room including parapet.		73 0	..	6 0	438	
Clear story private room including parapet		46 0	..	6 0	276	
Jambs and soffits of verandah openings	7	21 0	..			
Do. do.	10	20 6	..			
Do. do.	2	20 0	..	1.6	.675	
Do. do.	2	19 6	..			
Do. do.	1	19 0	..			
Do. do.						
Deductions—						
Verandah openings	14	7 0	..			
Do.	20	6 6	..			
Do.	4	5 10½	..	7.3	2.026	
Do.	4	5 0	..			
Do.	2	4 0	..			
Do.						
Doorways	5	4 6	..	8 6	217	
Do.	1	3 0	..	8 6		
Do.	1	2 6	..	7 0	18	
Do.	6	4 6	..	5 9	190	
Windows	2	3 0	..	5 9		
Do.	10	2 0	..	4 6	90	
Do.	6	3 0	..	1 9	32	2,573
Ventilators						7,864
Total painting Square feet	..	..	..	..	..	
Painting doors and windows with 3 coats oak paint.						
Venetian and panel doors 3 ×	5	4 6	..	8 6	574	
Do. 2 ×	1	3 0	..	8 6	51	
Panel doors 2 ×	3	4 6	..	8 6	230	
Do. 2 ×	1	2 6	..	7 0	35	
Venetian windows 3 ×	6	4 6	..	5 9	466	
Do. 3 ×	2	3 0	..	5 9	104	
Do. 3 ×	10	2 0	..	4 6	270	
Do. 3 ×	6	3 0	..	2 0	36	
Ventilators						1,766
Total painting Square feet	..	..	..	..	..	

Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Teakwood, wrought, and put up—cont.						
Record racks— (6′ × 2′ 3″ × 9′ 11″)						
(6′ × 2′ 3″ × 9′ 11″) uprights	6	9 11	0 3	0 3	4	
Horizontal pieces	28	2 10½	0 2	0 3	3	
Ends and cross pieces	21	2 3	0 2	0 3	2	
Horizontal pieces for shelves	42	2 10½	0 3	0 1	3	
Total for one rack ..	..	..	..	..	12	
Total for six racks ..	..	..	..	..	..	72
Racks— (6′ × 1′ 3″ × 9′ 11″)						
(6′ × 1′ 3″ × 9′ 11″) uprights	6	9 11	0 3	0 3	4	
Horizontal pieces	28	2 10½	0 2	0 3	3	
Ends and cross pieces	21	1 0	0 2	0 3	1	
Horizontal pieces for shelves	14	2 10½	0 3	0 1	1	
Total for one rack ..	..	..	..	..	9	
Total for three racks ..	..	..	..	..	..	27
Total cubic feet of wood work for record racks ..	..	..	..	..	..	99
Venetian and panel doors.						
Doors opening into verandahs	5	3 11	..	7 11	155	
Do. in private room	1	2 6	..	8 0	20	
Total Square feet ..	..	..	..	..	..	175
Panelled doors.						
Inner doors	3	3 11	..	7 11	93	
Door in retiring room	1	2 0	..	6 6	13	
Total Square feet ..	..	..	..	..	..	106
[*Venetian windows.*						
Windows under verandah	6	4 10	..	5 3	126	70
Do. rear of Court	2	2 6	..	5 3	26	
Total Square feet ..	..	..	..	..	..	252
Venetian windows with glazed tops and ¾ inch square iron bars.						
Record and retiring room	10	1 9½	..	4 1	73	Square feet.
Total Square feet						73
Ventilators with glazed shutters moving on side pivots	6	2 6	..	1 9	26	Square feet.
Total Square feet						26
Cuddapah slabs cornice	..	517	..	3 0	1,551	Square feet.
Total Square feet						1551
Terrace roofing.						
Court room	1	26 0	19 0	..	494	
Clerks' room	1	26 6	17 0	..	451	
Private room	1	13 0	17 0	..	221	
Record-room	1	27 0	17 0	..	459	
Verandahs and retiring room	..	187 9	7 6	..	1,408	
Total Square feet ..	..	..	..	..	..	3,033
Flooring with Cuddapah slabs on a 4 inches bed of concrete.						
Court room	..	25 0	18 0	..	450	
Clerks' room	..	25 6	16 0	..	1,016	
Private room	..	12 0				
Record-room	..	26 0				
Retiring room	..	6 6	6 6	..	42	
Verandahs	..	177 3	6 6	..	1,152	
Door pieces	3	4 6	1 1	..	42	
Do.	1	3 0	1 1			
Do.	1	2 6	0 8½	..	2	
Window pieces	6	4 6	0 4½	..	20	
Do.	2	3 0				
Do.	10	2 0				
Verandah openings	7	7 0	1 6	..	210	
Do.	10	6 6				
Do.	2	5 10½				
Do.	2	5 0				
Do.	1	4 0				
Total Square feet ..	..	..	..	..	..	2,934

NOTE.—Doors and windows taken out in accordance with Appendix G—standard specification.

Estimate Form.—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Brickwork in parapets, cornice, &c.						
Parapet over court		90 6				
Do. clerks room		69 3				
Do. private room		42 3				
Do. verandah and record-room		273 9				
	..	475 9	1 1½	2 3	1,204	
Cornice under Cuddapah slabs—						
Court room		99 6				
Clerks' room		73 9				
Private do.		46 9				
Verandah and record-room		285 0				
	..	505 0	0 4½	1 0	189	
Brackets in cornice	76	1 0	0 4½	1 0	29	
String course at head of piers, &c.	..	205 0	0 3	0 9	38	
Cornice over arches, windows, &c.	..	242 0	0 3	0 3	15	
Total off of parapets cornice &c. Cubic feet	..	..	..	..	..	1,475
Archwork, segmental.						
Verandah arches	7	9 0				
Do.	10	8 3				
Do.	2	7 9				
Do.	2	7 0				
Do.	1	6 0				
	..	181 0	1 6	1 1½	305	
Over doors and windows	14	6 0				
Do. do.	3	4 6				
Over windows	10	3 3				
Over ventilators	6	4 6				
	..	157 0	1 6	1 1½	265	
Over retiring room door	1	3 6	1 1½	1 1½	4	
Total Cubic feet	..	..	..	..	..	574
Stone slabs under beams	14	2 0	1 6	0 6	21	Cubic feet.
Earth filling in basement—						
Court room		24 7½	17 7½	1 6	651	
Clerks' room		25 1½				
Private room		11 7½	15 7½	1 6	1,459	
Record-room		25 7½				
Verandahs and retiring room		182 7½	6 1½	1 6	1,678	
Dais	1	6 6	5 0	1 0	33	
Total Cubic feet	..	..	..	..	..	3,821
Teakwood, wrought, and put up.						
Court room—						
Beams	2	20 6	0 10	1 4	46	
Joists, centre, bay	13	9 0	0 3	0 5	37	
Do. end, bay	26	9 3				
Clerks' room—						
Beams	2	18 6	0 9	1 2	32	
Joists, centre, bay	12	9 1½	0 3	0 5	35	
Do. end, bay	24	9 3½				
Private room—						
Joists	12	13 6	0 3	0 8	27	
Record room—						
Beams	3	18 6	0 7½	1 2	40	
Joists	48	7 0	0 3	0 4½	32	
Verandah—						
Angle beams	7	12 0	0 6	0 7	25	
Joists including retiring room	92	8 0	0 3	0 4½	69	
Do. at angles	14	7 6				
Do. do.	14	6 0	0 3	0 4½	28	
Do. do.	14	4 6				
Do. do.	14	3 0				
Total Cubic feet	..	..	..	..	..	371

Estimate Form.—Detail Measurements.

Detail of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Concrete.						
Walls as above	..	484 0	4 0	4 0	7,744	
Retiring room sides	2	4 0	3 0	4 0	96	
Walls of dais	1	16 4½	3 0	1 6	74	
Steps as above	..	53 6	3 0	0 6	80	
Total Cubic feet	..	..	..	..	..	7,994
Brickwork in foundations and basement.						
Court room walls	..	92 0				
Private room walls	..	42 7½				
Clerks do.	..	69 7½				
Record do.	..	70 7½				
Verandah walls	..	217 7½				
	..	492 6	1 10½	2 6	2,309	
Retiring room sides	2	6 1½	1 6	2 6	46	
Walls of dais	1	18 1½	1 1½	2 0	41	
Steps, front	1	18 6				
Do. rear	1	10 6				
Do. sides	2	11 0				
	..	51 0	3 0	0 6	77	
Steps, front	1	16 6				
Do. rear	1	8 6				
Do. sides	2	9 0				
	..	43 0	2 0	0 6	43	
Steps, front	1	14 6				
Do. rear	1	6 6				
Do. sides	2	7 0				
	..	35 0	1 0	0 6	18	
Total cft of foundations & basement ~~Cubic feet~~	..	..	..	..	..	2,534
Brickwork in superstructure.						
Court room walls	..	92 0	1 6	18 6	2,553	
Private do.	..	43 0				
Clerks do.	..	70 0				
	..	113 0	1 6	14 0	2,373	
Record-room walls	..	71 0	..	..	..	
Verandah do.	..	218 0	..	..	..	
	..	289 0	1 6	11 0	4,769	
Retiring room side walls	2	6 6	1 1½	11 0	161	
Dais walls	..	18 6	0 9	1 0	14	
Dais steps	2	3 6	1 0	0 6	3	
Total cft	..	..	..	..	..	9,873
Deductions—						
Verandah openings	7	7 0	1 6	7 3	533	
Do.	10	6 6	1 6	7 3	707	
Do.	2	5 10½	1 6	7 3	128	
Do.	2	5 0	1 6	7 3	109	
Do.	1	4 0	1 6	7 3	44	
Do.	8	4 6	1 6	8 6	459	
Doors	1	3 0	1 6	8 6	38	
Do. private room	1	2 6	1 1½	7 0	20	
Do. retiring room	6	4 6	1 6	5 9	233	
Windows	6	4 6	0 4½	2 9	28	
Do. for recess	2	3 0	1 6	5 9	52	
Do. court room	2	3 0	0 4½	2 9	6	
Do. for recess	10	2 0	1 6	4 6	135	
Verandah in record and retiring room	10	2 0	0 4½	2 9	21	
Do. recess	6	3 0	1 6	1 9	47	
Ventilators in court room	..	..	..	..	574	
Archwork as per details	..	..	..	..	..	3,134
Total deduction, cubic feet	..	..	..	..	..	6,739
Total c/f of Superstructure ~~Cubic feet~~	..	..	..	..	..	

APPENDIX.

STANDARD design for a Stationary Sub-Magistrate's office with terraced roofing according to drawing signed by the Consulting Architect to Government on 2nd November 1894.

DESCRIPTIVE SPECIFICATION.

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

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

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

Woodwork.—The beams and joists to be of well-seasoned Burma teakwood or any other durable wood proof against white-ants.

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

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

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

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

Interior and exterior finishing.—The interior walls will be fine plastered and polished or plastered and whitewashed. Where good bricks or stone is obtainable, the exterior should be pointed. In damp soil the exterior plinth and walls inside rooms 3 feet above floor should be plastered with Portland cement. The beams and joists to be stained with three coats wood-oil and the doors and windows painted with three coats oak paint.

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

ESTIMATE FORM—Detail Measurements.

Detail of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Excavation for foundations.						
Court room walls	..	92 0				
Private room walls	..	40 6				
Clerks do.	..	67 6				
Record do.	..	68 6				
Verandah walls	..	215 6				
	..	484 0	4 0	4 6	8,712	stet
Retiring room side walls	2	4 0	3 0	4 6	108	
Dais	1	16 4½	3 0	1 6	74	
Steps, front	1	19 0				
Do. rear	1	11 0				
Do. sides	2	11 6				
	..	52 6	3 0	0 6	80	stet
Total Cubic feet [illegible]					..	8,974 ✓

C. A. 1. 500 —20-I-94.

No. 2301

Office of the Consulting Architect to Govt.,
Chepauk, Madras,
3rd November 1894.

From

Henry Irwin, Esq., C.I.E.,
Consulting Architect
to the Government of Madras,

To

The Chief Engineer
Public Works Department
Madras.

Sir,

Enclosures

1 Tracing
1 Estimate

With reference to G.O. No. 1937 dated the 4th August 1894, I have the honor to submit a Standard design with schedule of quantities for a Stationary Sub-Magistrate's Office with terraced roofing. The plan has been approved by the Board of Revenue.

The design with tiled roofing is under preparation.

I have the honor to be
Sir
Your most Obedt. Servant
Henry Irwin
Consulting Architect to Govt

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1895} Madras.

PUBLIC WORKS.

Dated February, 19th.

Read.

Encl.

G.O., 19th Feb. 1895, No. 427 W.

FEBRUARY.

Stationary Sub-Magistrate's Office

The type design for a — with terraced roofing, circulated to officers of the Public Works Department.

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 Chepâk, 3rd November 1894, No. 2301.

With reference to G.O., No. 1937 W., dated the 4th August 1894, I have the honour to submit a standard design with schedule of quantities for a Stationary Sub-Magistrate's office with terraced roofing. The plan has been approved by the Board of Revenue.

2. The design with tiled roofing is under preparation.

G.O., dated 15th December 1894, Mis. No. 4941, Revenue.

Read—endorsement of the Public Works Department, dated 28th November 1894, No. 3811 C.

Order—dated 15th December 1894, Mis. No. 4941, Revenue.

The standard design for a Stationary Sub-Magistrate's office is approved.

(True Extract.)

(Signed) R. C. C. CARR,
Under Secretary to Government.

ORDER—dated 19th February 1895, No. 427 W., Public Works.

The type design, with schedule of quantities, for a Stationary Sub-Magistrate's office with terraced roofing is circulated to officers of the Public Works Department.

(True Extract.)

Under Secy. to Govt., P.W.D.

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

Exd. C. A. Munisawmy.
Spare Copies

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Plastering, interior.						
Court room	..	86 0	..	17 6	1,505	
Clerks' room	..	83 0	..			
Private room	..	56 0	..	13 0	1,807	
Record room	..	84 0	..			
Retiring room	..	26 0	..	10 0	1,100	
Door jambs and soffits	8	22 0	..			
Do. do.	1	20 6	..	1 1	213	
Do. do.	1	17 0	..	0 9	13	
Window jambs and soffits	6	16 6	..			
Do. do.	2	15 0	..	1 1	265	
Do. do.	10	11 6	..			
Window cills	6	4 6	..			
Do.	2	3 0	..	0 7½	33	
Do.	10	2 0	..			
Windows, sides of recesses	36	0 4½	..	2 9	37	
Ventilators sides, soffits and cills	6	9 6	..	1 1	62	
Interior of parapet	..	463 0	..	2 6	1,158	
Total square feet	..	..	..	..	6,193	
Deductions—						
Doors	11	4 6	..			
Do.	1	3 0	..	8 6	446	
Do.	1	2 6	..			
Windows	6	4 6	..	7 0	18	
Do.	2	3 0	..	5 9	190	
Do	10	2 0	..			
Ventilators	6	3 0	..	4 6	90	
				1 9	32	
Total deductions square feet	..	..	..	..	776	
Total plastering square feet	..	..	..	..	..	5,417
Pointing, exterior.						
Plinth	..	283 6	..	2 3	638	
Steps, sides	8	2 0	..	1 6	24	
Verandah and record room, exterior walls including parapet	..	282 0	..	13 0	3,666	
Interior of verandahs	..	380 6	..	10 0	3,805	
Clear storey over court (front and rear) including parapet	..	60 0	..	10 6	630	
Clear storey over court at (sides) including parapet	2	19 0	..	7 6	285	
Clear storey over clerks' room including parapet.	..	73 0	..	6 0	438	
Clear story private room including parapet	..	46 0	..	6 0	276	
Jambs and soffits of verandah openings	7	21 0	..			
Do. do.	10	20 6	..			
Do. do.	2	20 0	..	1 6	675	
Do. do.	2	19 6	..			
Do. do.	1	19 0	..			
Total square feet	..	..	..	..	10,437	
Deductions—						
Verandah openings	14	7 0	..			
Do.	20	6 6	..			
Do.	4	5 10½	..	7 3	2,026	
Do.	4	5 0	..			
Doorways	2	4 0	..			
Do.	5	4 6	..	8 6	217	
Do.	1	3 0	..	8 6		
Windows	1	2 6	..	7 0	18	
Do.	6	4 6	..	5 9	190	
Do.	2	3 0	..	5 9		
Ventilators	10	2 0	..	4 6	90	
	6	3 0	..	1 9	32	
Total deductions square feet	..	..	..	..	2,573	
Total pointing square feet	..	..	..	..	..	7,864
Painting doors and windows with 3 coats oak paint.						
Venetian and panel doors .. .. 3 ×	5	4 6	..	8 6	574	
Do. .. .. 2 ×	1	3 0	..	8 6	51	
Panel doors .. .. .. 2 ×	3	4 6	..	8 6	230	
Do. .. .. .. 2 ×	1	2 6	..	7 0	35	
Venetian windows .. .. .. 3 ×	6	4 6	..	5 9	466	
Do. .. .. .. 3 ×	2	3 0	..	5 9	104	
Do. .. .. .. 3 ×	10	2 0	..	4 6	270	
Ventilators	6	3 0	..	2 0	36	
Total painting square feet	..	..	..	..	..	1,766

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
Wood-oiling roof timbers.						
Court room—						
Beams	2	18 0	..	3 6	126	
Joists	13	25 0	..	1 1	352	
Clerks' room—						
Beams	2	16 0	..	3 1	99	
Joists	12	25 6	..	1 1	332	
Private room—						
Joists	12	12 0	..	1 7	228	
Record room—						
Beams	3	16 0	..	2 11½	142	
Joists	12	26 0	..	1 0	312	
Verandah angle—						
Beams	7	9 6	..	1 8	111	
Joists	92	6 6	..	1 0	598	
Do. at angles	56	5 3	..	1 0	294	
Total square feet for main building	..	..	..	..	..	2,594
Record racks (6′ 0″ × 2′ 6″ × 9′ 11″)—						
Uprights	6	10 0	..	1 0	60	
Horizontal pieces	28	2 9	..	0 10	64	
Ends and cross pieces	21	2 0	..	0 10	35	
Horizontal pieces for shelves	42	2 9	..	0 8	77	
Total for one rack	..	..	..	..	236	
Total for six racks	..	..	..	..	..	1,416
Record racks (6′ 0″ × 1′ 3″ × 9′ 11″)—						
Uprights	6	10 0	..	1 0	60	
Horizontal pieces	28	2 9	..	0 10	64	
Ends and cross pieces	21	0 9	..	0 10	13	
Horizontal pieces for shelves	42	2 9	..	0 8	27	
Total for one rack	..	..	..	..	164	
Total for three racks	..	..	..	..	..	492
Total square feet of wood-oiling, three coats	..	..	..	..	..	4,502
Dais railing	..	..	..	..	14	Lineal feet.
Punkahs.						
Court room	1	10 0	..	..	..	
Private room	1	6 0	..	..	16	Lineal feet.
Wooden movable ladder	..	..	..	..	1	

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per.	Amount.	Total.
1	2	3	4	5	6
		Rs. A. P.		Rs.	Rs.
8,974 c. ft.	Excavation for foundations	4 10 0	1,000 c. ft.	41	..
7,994 „	Concrete in foundations with broken clinker bricks ..	14 0 0	100 „	1,119	..
2,534 „	Brickwork in foundations and basement with stock bricks	20 0 0	..	507	..
6,739 „	Brickwork in superstructure with stock bricks ..	22 0 0	..	1,483	..
1,475 „	Brickwork in parapets, cornice, &c., ...	24 0 0	..	354	..
574 „	Archwork	25 0 0	..	144	..
21 „	Stone slabs dressed under beams	2 0 0	Cubic foot.	42	..
3,821 „	Earthfilling in basement	3 0 0	1,000 c. ft.	11	..
371 „	Teakwood, wrought, and put up	3 8 0	Cubic foot.	1,299	..
99 „	Do. for record racks	4 0 0	..	396	..

Estimate Form—Abstract—*cont.*

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
		Rs. A. P.		Rs.	Rs.
175 sq. ft.	Venetian and panel doors with iron fittings	1 1 0	Sq. foot.	186	..
106 „	Panel doors do. do.	0 14 0	..	93	..
252 „	Venetian windows do. do.	1 1 0	..	268	..
73 „	Do. with iron bars do.	1 12 0	..	128	..
26 „	Ventilators with glazed shutters do.	1 0 0	..	26	..
1,551 „	Cuddapah slabs for cornice including fixing, complete ..	25 0 0	100 sq. ft.	388	..
3,033 „	Terrace roofing with brick on edge 3″ concrete and 3 courses of flat tiles plastered and polished on top and ceiling	25 0 0	..	758	..
2,934 „	Flooring with Cuddapah slabs 2″ thick on a 4″ bed of concrete pointed with tar and asphalte	22 0 0	..	645	..
5,417 sq. ft.	Plastering interior with chunam, 2 coats, polished ..	2 8 0	..	135	..
7,864 „	Pointing exterior black with tar and asphalte ..	3 0 0	..	236	..
1,766 „	Painting doors and windows with 3 coats oak paint ..	2 5 0	..	41	..
4,502 „	Wood-oiling roof timbers, 3 coats	0 15 0	..	42	..
14 L. ft.	Wooden railing for dais including fixing and varnishing, complete	1 8 0	L. foot	21	..
16 „	Punkahs, complete, including wheel, &c.	1 8 0	..	24	..
1 „	Wooden movable ladder	16 0 0	each	16	..
	Total ..	..	..	..	8,385
..	Petty supervision	2 8 0	cent.	..	210
..	Contingencies	5 0 0	cent.	..	420
	Grand total of estimate ..				9,015

APPENDIX.

STANDARD design for a Stationary Sub-Magistrate's office with terraced roofing according to drawing signed by the Consulting Architect to Government on 2nd November 1894.

DESCRIPTIVE SPECIFICATION.

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

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

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

Woodwork.—The beams and joists to be of well-seasoned Burma teakwood or any other durable wood proof against white-ants.

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

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

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

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

Interior and exterior finishing.—The interior walls will be fine plastered and polished or plastered and whitewashed. Where good bricks or stone is obtainable, the exterior should be pointed. In damp soil the exterior plinth and walls inside rooms 3 feet above floor should be plastered with Portland cement. The beams and joists to be stained with three coats wood-oil and the doors and windows painted with three coats oak paint.

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

ESTIMATE FORM—Detail Measurements.

Detail of work.	Number.	Measurement in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Excavation for foundations.						
Court room walls	..	92 0				
Private room walls	..	40 6				
Clerks' do.	..	67 6				
Record do.	..	68 6				
Verandah walls	..	215 6				
		484 0	4 0	4 6	8,712	
Retiring room side walls	2	4 0	3 0	4 6	108	
Dais	1	16 4½	3 0	1 6	74	
Steps, front	1	19 0				
Do. rear	1	11 0				
Do. sides	2	11 6				
		53 6	3 0	0 6	80	
Total cubic feet of excavation for foundations ..	..	..	..	..	..	8,974

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Concrete.						
Walls as above	..	484 0	4 0	4 0	7,744	
Retiring room sides	2	4 0	3 0	4 0	96	
Walls of dais	1	16 4½	3 0	1 6	74	
Steps as above	..	53 6	3 0	0 6	80	
Total cubic feet	..	..	..	..	..	7,994
Brickwork in foundations and basement.						
Court room walls	..	92 0				
Private room walls	..	42 7½				
Clerks' do.	..	69 7½				
Record do.	..	70 7½				
Verandah walls	..	217 7½				
		492 6	1 10½	2 6	2,309	
Retiring room sides	2	6 1½	1 6	2 6	46	
Walls of dais	1	18 1½	1 1½	2 0	41	
Steps, front	1	18 6				
Do. rear	1	10 6				
Do. sides	2	11 0				
		51 0	3 0	0 6	77	
Steps, front	1	16 6				
Do. rear	1	8 6				
Do. sides	2	9 0				
		43 0	2 0	0 6	43	
Steps, front	1	14 6				
Do. rear	1	6 6				
Do. sides	2	7 0				
		35 0	1 0	0 6	18	
Total cubic feet of foundations and basement	..	..	..	..	..	2,534
Brickwork in superstructure.						
Court room walls	..	92 0	1 6	18 6	2,553	
Private do.	..	43 0				
Clerks' do.	..	70 0				
		113 0	1 6	14 0	2,373	
Record room walls	..	71 0	..	..	..	
Verandah do.	..	218 0	..	..	..	
		289 0	1 6	11 0	4,769	
Retiring room side walls	2	6 6	1 1½	11 0	161	
Dais walls	..	18 6	0 9	1 0	14	
Dais steps	2	3 0	1 0	0 6	3	
Total cubic feet	..	..	..	..	9,873	
Deductions—						
Verandah openings	7	7 0	1 6	7 3	533	
Do.	10	6 6	1 6	7 3	707	
Do.	2	5 10½	1 6	7 3	128	
Do.	2	5 0	1 6	7 3	109	
Do.	1	4 0	1 6	7 3	44	
Do.	8	4 6	1 6	8 6	459	
Doors	1	3 0	1 6	8 6	38	
Do. private room	1	2 6	1 1½	7 0	20	
Do. retiring room	6	4 6	1 6	5 9	233	
Windows	6	4 6	0 4½	2 9	28	
Do. for recess	2	3 0	1 6	5 9	52	
Do. court room	2	3 0	0 4½	2 9	6	
Do. for recess	10	2 0	1 6	4 6	135	
Do. in record and retiring room	10	2 0	0 4½	2 9	21	
Do. recess	6	3 0	1 6	1 9	47	
Ventilators in court room	..	..	..	..	574	
Archwork as per details	..	..	..	..	3,134	
Total deduction cubic feet	..	..	..	..	..	6,739
Total cubic feet of superstructure	..	..	..	..	..	

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Brickwork in parapets, cornice, &c.						
Parapet over court	..	90 6				
Do. clerks room	..	69 3				
Do. private room	..	42 3				
Do. verandah and record-room	..	273 9				
		475 9	1 1½	2 3	1,204	
Cornice under Cuddapah slabs—						
Court room	..	99 6				
Clerks' room	..	73 9				
Private do.	..	46 9				
Verandah and record room	..	285 0				
		505 0	0 4½	1 0	189	
Brackets in cornice	76	1 0	0 4½	1 0	29	
String course at head of piers, &c.	..	205 0	0 3	0 9	38	
Cornice over arches, windows, &c.	..	242 0	0 3	0 3	15	
Total cubic feet of parapets, cornice, &c.	..	..	..	..	..	1,475
Archwork, segmental.						
Verandah arches	7	9 0				
Do.	10	8 3				
Do.	2	7 9				
Do.	2	7 0				
Do.	1	6 0				
		181 0	1 6	1 1½	305	
Over doors and windows	14	6 0				
Do. do.	3	4 6				
Over windows	10	3 3				
Over ventilators	6	4 6				
		157 0	1 6	1 1½	265	
Over retiring room door	1	3 6	1 1½	1 1½	4	
Total cubic feet	..	..	..	..	..	574
Stone work.						
Stone slabs under beams	14	2 0	1 6	0 6	21	
Total cubic feet of stone slabs	..	..	..	..	..	21
Earth filling in basement —						
Court room	..	24 7½	17 7½	1 6	651	
Clerks' room	..	25 1½	15 7½	1 6	1,459	
Private room	..	11 7½				
Record room	..	25 7½				
Verandahs and retiring room	..	182 7½	6 1½	1 6	1,678	
Dais	1	6 6	5 0	1 0	33	
Total cubic feet	..	..	..	..	..	3,821
Teakwood, wrought, and put up.						
Court room—						
Beams	2	20 6	0 10	1 4	46	
Joists, centre, bay	13	9 0	0 3	0 5	37	
Do. end, bay	26	9 3				
Clerks' room—						
Beams	2	18 6	0 9	1 2	32	
Joists, centre, bay	12	9 1½	0 3	0 5	35	
Do. end, bay	24	9 3½				
Private room—						
Joists	12	13 6	0 3	0 8	27	
Record room—						
Beams	3	18 6	0 7½	1 2	40	
Joists	48	7 0	0 3	0 4½	32	
Verandah—						
Angle beams	7	12 0	0 6	0 7	25	
Joists including retiring room	92	8 0	0 3	0 4½	69	
Do. at angles	14	7 6				
Do. do.	14	6 0	0 3	0 4½	28	
Do. do.	14	4 6				
Do. do.	14	3 0				
Total cubic feet	..	..	..	..	..	371

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
Teakwood, wrought, and put up—cont.						
Record racks (6′ × 2′ 3″ × 9′ 11″)—						
Uprights	6	9 11	0 3	0 3	4	
Horizontal pieces	28	2 10½	0 2	0 3	3	
Ends and cross pieces	21	2 3	0 2	0 3	2	
Horizontal pieces for shelves	42	2 10½	0 3	0 1	3	
Total for one rack	..	..	..	..	12	
Total for six racks	..	..	..	..	..	72
Record racks (6′ × 1′ 3″ × 9′ 11″)—						
Uprights	6	9 11	0 3	0 3	4	
Horizontal pieces	28	2 10½	0 2	0 3	3	
Ends and cross pieces	21	1 0	0 2	0 3	1	
Horizontal pieces for shelves	14	2 10½	0 3	0 1	1	
Total for one rack	..	..	..	..	9	
Total for three racks	..	..	..	..	..	27
Total cubic feet of teakwood work for record racks.	..	..	..	..	..	99
Venetian and panel doors.						
Doors opening into verandahs	5	3 11	..	7 11	155	
Do. in private room	1	2 6	..	8 0	20	
Total square feet	..	..	..	..	..	175
Panelled doors.						
Inner doors	3	3 11	..	7 11	93	
Door in retiring room	1	2 0	..	6 6	13	
Total square feet	..	..	..	..	..	106
Venetian windows.						
Windows outer	6	4 0	..	5 3	126	
Do. rear of court	2	2 6	..	5 3	26	
Total square feet	..	..	..	..	..	252
Venetian windows with glazed tops and ¾ inch square iron bars.						
Record and retiring room	10	1 9½	..	4 1	73	
Total square feet	..	..	..	..	..	73
Ventilators with glazed shutters moving on side pivots	6	2 6	..	1 9	26	
Total square feet	..	..	..	..	..	26
Cuddapah slabs cornice	..	517	..	3 0	1,551	
Total square feet	..	..	..	..	..	1,551
Terrace roofing.						
Court room	1	26 0	19 0	..	494	
Clerks' room	1	26 6	17 0	..	451	
Private room	1	13 0	17 0	..	221	
Record room	1	27 0	17 0	..	459	
Verandahs and retiring room	..	187 2	7 6	..	1,408	
Total square feet	..	..	..	..	..	3,033
Flooring with Cuddapah slabs on a 4 inches bed of concrete.						
Court room	..	25 0	18 0	..	450	
Clerks' room	..	25 6				
Private room	..	12 0	16 0	..	1,016	
Record room	..	26 0				
Retiring room	..	6 6	6 6	..	42	
Verandahs	..	177 3	6 6	..	1,152	
Door pieces	8	4 6	1 1	..	42	
Do.	1	3 0	1 1			
Do.	1	2 6	0 8½	..	2	
Window pieces	6	4 6				
Do.	2	3 0	0 4½	..	20	
Do.	10	2 0				
Verandah openings	7	7 0				
Do.	10	6 6				
Do.	2	5 10½	1 6	..	210	
Do.	2	5 0				
Do.	1	4 0				
Total square feet	..	..	..	..	..	2,934

Note.—Doors and windows taken out in accordance with Appendix G—standard specification.

Letter from the Executive Engineer, Kurnoolly Division, to the Superintending Engineer 6th Circle, No 463 dated 13th February 95.

With reference to your No. 898 Tk. dated 1st February 1895 on G.O. No. 152 W dated 21st January 1895, I have the honor to state that the Police Superintendents residence at Palamcottah has no real compound, as all the land around it and that in rear of Executive Engineers and Police Superintendents offices was used as the parade ground when the regiment was here.

2. When the building was occupied by the Police Superintendent he made a small compound, a part of which was fenced at his cost by mill hedge and this portion measures 1·33 acres.

3. As the building now proposed is to be the permanent residence of the Police Superintendent, it was thought that the building should have a suitable compound. The site plan accompanying the Sanctioned Estimate shows the boundaries of the proposed compound which measures 4·10 acres.

4. As settled by the Collector the

the price of the ground is Rs 35 per acre and accordingly Rs 47 and 144 have been arrived at for 1·33 and 4·10 acres respectively.

No 948 TR.

Copy submitted to the Chief Engineer P.W.D. for information, with reference to para 3 of his note printed with G.O. No 152 W. dated 21st January 1895.

Sec. 1. Lit
the Kuni
returned

2. The Site plan (tracing) is herewith sent for information and return.

Supt. Engr. offices Trichinopoly.
10th February 1895.

W. Hyde
Supt Engineer
& Circle

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