

(1) Number of pages 40
(2) Date of repair - 8 - 27
(3) Initials of the Referencer lars ✓

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W. DEPARTMENT

G.O. No.	719 W	Press.
B.P. No.		Mis.
Dated	23. 3. 1885	198.

Not to be folded or roughly handled

50
23RD MARCH 1885, No. 719 W., PUBLIC WORKS.

719
GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Lieutenant-Colonel H. M. VIBART, R.E., Superintending Engineer, III Circle, to the Inspector-General of Registration, dated Bellary, 9th March 1885, No. 2491 :—

With reference to G.O. No. 2850 W., dated 14th November 1884, I have the honor to forward, for your approval and countersignature and for transmission to Government, an estimate, amounting to Rs. 2435, for constructing a sub-registrar's office at Váyalpád, on the standard design approved of in G.O., No. 120 W., dated 14th January 1882.

2. The office is proposed to be built in the compound of the new taluk cutcherry to be built at Váyalpád.

Endorsement on the above.

No. 1194 G.

Submitted for the sanction of Government.

MADRAS,
10th March 1885.

(Signed) G. HAMNETT,
Inspector-General of Registration.

No. 628, Judicial.

Approved and transferred to the Public Works Department.

(By Order.)

16th March 1885.

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

ORDER—dated 23rd March 1885, No. 719 W., Public Works.

The estimate, amounting to Rs. 2,435, for constructing a sub-registrar's office at Váyalpád, in the Cuddapah district, is sanctioned.

2. This sanction has been registered as Provincial No. 283 W. of 1884-85, and classified as Civil Buildings, Original Works.

(True Extract.)

To the Superintendent Engineer, III Circle, with three enclosures.
" Examiner, Public Works Accounts.
" Judicial Department.

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

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1885) Madras.

PUBLIC WORKS.

Dated March, 23rd.

Recd.

Encl.

G.O., 23rd March 1885, No. 719 W.

MARCH.

Sub-Registrar's Office at
Vayalpad

Estimate, amounting to Rs. 2,435, for
constructing a ---, Cuddapah district, sanc-
tioned.

ESTIMATE of the Cost of constructing a Sub-Registrar's Office with terraced roofing according to
Standard Design, Sheet No. 21, signed by the Officiating Consulting Architect to Govern-
ment on 16th September 1881.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
<i>Excavation for Foundations.</i>						
Outer walls		99 0	4 6	4 6	2,005	
Partition		21 0	3 8	4 6	347	
Verandah walls		35 9	3 6	4 6	563	
Steps		13 0	3 0	1 0	39	
Cubic feet					2,954	
<i>Earth-filling in Basement.</i>						
Rooms		24 0	21 0	1 6	756	
Platform		12 0	8 6	1 0	102	
Verandah		25 9	5 1 1/2	1 6	198	
Cubic feet					1,056	
<i>Concrete.</i>						
Outer walls		99 0	3 6	1 0	347	
Partition		21 0	2 8	1 0	59	
Verandah walls		36 9	2 6	1 0	92	
Steps		13 0	3 0	1 0	39	
Cubic feet					537	
<i>Brickwork in Foundations.</i>						
Footing course—						
Outer walls		99 0	2 8	1 6	396	
Partition		22 10	1 10	1 6	63	
Verandah wall		37 7	1 6	1 6	85	
Above footing to ground level—						
Outer wall		99 0	2 3	2 0	445	
Partition		23 3	1 6	2 0	70	
Verandah wall		38 0	1 0	2 0	76	
Cubic feet					1,135	
<i>Brickwork in Basement.</i>						
Outer walls		99 0	2 3	2 0	446	
Partition		23 3	1 6	2 0	70	
Verandah wall		38 0	1 0	2 0	76	
Steps		13 0	3 0	0 6	20	
Do.		11 0	2 0	0 6	11	
Do.		9 0	1 0	0 6	5	
Deduct stone in steps and under posts as per details					628	
Cubic feet					29	
					599	

719
2

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Brickwork in Superstructure.</i>						
		FT. IN.	FT. IN.	FT. IN.		
Outer walls		99 0	1 6	12 0	2,214	
Partition		24 0	1 6	12 0	51	
Parapet		101 0	1 0	0 6	75	
Do.		100 0	0 9	1 0	34	
Do.		101 0	1 0	0 4	28	
Binding wall		25 0	1 6	0 9		2,402
Deductions—						
Doors	2	4 0	1 6	8 0	96	
Windows	9	3 6	1 6	5 0	236	
Archwork as per details					45	377
						2,025
Cubic feet						
<i>Archwork.</i>						
Segmental arch over doors	2	5 3	1 6	1 0	16	
Do. do. windows	4	4 9	1 6	1 0	29	
					45	
Cubic feet						
<i>Cut-stone work under Posts and in Steps.</i>						
Under posts	4	1 6	1 6	0 6	5	
Steps		39 0	1 3	0 6	24	
					29	
Cubic feet						
<i>Teakwood.</i>						
Clerks and Registrar's room joists	17	15 6	0 3	0 7 1/2	41	
Record-room joists	17	12 6	0 3	0 6	39	
Small joists under coping at sides	32	2 7 1/2	0 3	0 6		
Do. do. at angles	4	3 6	0 3	0 6	10	
Waling pieces	2	28 0	0 2	0 6	5	
Do.	2	29 6	0 2	7 4 1/2	7	
Verandah posts	4	0 5	0 5	0 7 1/2	2	
Do. breastsummers	3	9 1 1/2	0 5	1 1	9	
Do. brackets	6	1 1	0 3	0 3 1/2	3	
Do. rafters	19	8 0	0 3	0 5	1	
Do. wall-plate	1	27 0	0 4	0 1		
Do. save board		27 0			117	
Cubic feet						
<i>Wrought-iron Work.</i>						
1/2" diameter bolts to secure wall-plates	6	1 9	10 6	x 1 1/2	15 43	
1" hex. nuts and bolt heads for do.	6			x 1/2	2 58	
3" x 3" x 1/2" washers for do.	6			x 3/4	1 86	
					19 87	
lb.						20
Say lb.						64
Venetian and panel doors with frames	2	4 0		8 0		Sq. feet.
Venetian windows with frames	4	3 6		5 0	70	Do.

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Windows with glazed shutters and frames with 1/2" square iron bars for Record-room.	5	3 6	...	5 0	88	Sq. feet.
Terrace roofing		30 0	...	28 6	855	Do.
Squares						8 55
Slope terracing for verandah		27 0	...	3 0	216	Sq. feet.
Squares						2 16
<i>Flooring with 8-inch square bricks over a leveling course.</i>						
Clerks and Registrar's room		24 0	...	12 0	288	
Record-room		24 0	...	9 0	216	
Verandah		27 9	...	6 6	180	
Door pieces	2	4 0	...	1 6	12	
					696	
Deduct stones under posts	4	1 6	...	1 6	9	
Square feet					687	
Squares						6 87
<i>Plastering with two coats.</i>						
Interior—						
Clerks and Registrar's room		72 0	...	12 0	864	
Record-room		66 0	...	12 0	792	
Exterior—						
Basement all round		120 3	...	2 4 1/2	286	
Superstructure		105 0	...	12 0	1,260	
Parapet		101 0	...	5 0	505	
Binding wall		25 0	...	3 0	75	
Door jambs	2	20 0	...	1 6	60	
Window jambs	4	17 0	...	1 6	102	
Do.	5	13 6	...	1 6	101	
						4,045
<i>Deductions.</i>						
Doorways	2 x	2	4 0	...	8 0	128
Windows	2 x	9	3 6	...	5 0	315
						443
Square feet						3,602
Squares						36 02
<i>Plaster cornice exterior.</i>						
Ends of terrace						114
Wooden railing for Clerks' room						12
<i>Painting doors, windows and exposed woodwork with three coats of Carson's paint.</i>						
Venetian and panel doors	3	64 0	...	...	192	
Do. windows	3	70 0	...	...	210	

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
<i>Painting doors, windows and exposed woodwork with three coats of Carson's paint—cont.</i>						
Glazed windows with iron bars	2	88 0	...	...	176	
Waling pieces	...	115 0	...	1 2	134	
Verandah posts	4	1 8	...	7 4	49	
Brackets	6	1 0	...	1 0	6	
Eaves board	...	27 0	...	0 8	18	
Square feet	...	...	...	...	785	
Squares	...	...	...	...	...	7-85
<i>Wood-oiling three coats.</i>						
Railing	2	12 0	...	3 0	72	
Joints	17	15 6	...	1 6	395	
Do.	17	12 6	...	1 3	266	
Do.	32	2 7	...	1 2	114	
Do.	4	3 6	...	1 2	45	
Breastsummers	...	27 0	...	1 8	120	
Rafters	19	8 0	...	0 9	18	
Wall-plate	...	27 0	...	0 8	...	
Square feet	...	...	...	...	1,030	
Squares	...	...	...	...	...	10-30

ABSTRACT.

Quantity.	Item.	Rate.	Per.	Amount.
		RS. A. P.		RS. A. P.
2,954 C. feet.	Excavation for foundations	...	1,000 C. feet.	...
1,056 "	Earth-filling in basement	...	"	...
537 "	Concrete	...	100 "	...
1,135 "	Brickwork in foundations	...	"	...
599 "	Do. in basement	...	"	...
2,025 "	Do. in superstructure	...	"	...
45 "	Archwork	...	"	...
29 "	Cut-stone work	...	C. foot.	...
117 "	Teakwood wrought and put up	...	"	...
29 lb.	Wrought-iron work	...	lb.	...
64 S. feet.	Venetian and panel doors with frames	...	S. foot.	...
70 "	Venetian windows with frames	...	"	...
88 "	Glazed windows with frames and iron bars for Record-room.	...	"	...
8-55 Squares.	Terrace roofing	...	Square.	...
2-16 "	Slope terracing	...	"	...
6-87 "	Flooring with 8-inch square bricks.	...	"	...
36-02 "	Plastering with two coats...	...	"	...
114 L. feet.	Plaster cornices exterior	...	L. foot.	...
12 "	Wooden railing	...	"	...
7-85 Squares.	Painting doors and windows and other exposed woodwork with three coats of Carson's oak color.	...	Square.	...

ABSTRACT—cont.

Quantity.	Item.	Rate.	Per.	Amount.
		RS. A. P.		RS. A. P.
0-30 Squares.	Wood-oiling roof timbers, &c., with three coats.	...	Square.	...
	Contingencies at 5 per cent.	...	...	...
	Total	...	...	...

MADRAS,
20th December 1881.

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.

ESTIMATE of the Cost of constructing a Registrar's Office with terraced roofing according to Standard Design, Sheet No. 19, signed by the Officiating Consulting Architect to Government on 16th September 1881.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Excavation for Foundations.</i>						
		FT. IN.	FT. IN.	FT. IN.		
Outer walls	...	149 0	4 6	4 6	3,017	
Partition	...	27 0	3 8	4 6	446	
Verandah walls	...	44 9	3 6	4 6	705	
Steps	...	15 0	3 0	1 0	45	
Cubic feet	...	...	...	...	4,213	
<i>Earth-filling in Basement.</i>						
Rooms	...	30 0	40 0	1 6	1,800	
Platform	...	11 6	20 0	1 0	230	
Verandah	...	31 9	7 0	1 6	333	
Cubic feet	...	...	...	...	2,363	
<i>Concrete—</i>						
Outer walls	...	149 0	3 6	1 0	522	
Partition	...	28 0	2 8	1 0	75	
Verandah walls	...	45 9	2 6	1 0	114	
Steps	...	15 0	3 0	1 0	45	
Cubic feet	...	...	...	...	756	
<i>Brickwork in Foundations.</i>						
Footings—						
Outer walls	...	149 0	2 8	1 6	598	
Partition	...	28 10	1 10	1 6	79	
Verandah walls	...	46 7	1 6	1 6	105	
Above footing to ground level—						
Outer walls	...	149 0	2 3	2 0	671	
Partition	...	29 3	1 6	2 0	88	
Verandah walls	...	47 0	1 0	2 0	94	
Cubic feet	...	...	...	...	1,633	
<i>Brickwork in Basement.</i>						
Outer walls	...	149 0	2 3	2 0	671	
Partition	...	29 3	1 6	2 0	88	
Verandah walls	...	47 0	1 0	2 0	94	
Steps	...	15 0	3 0	0 6	23	
Do.	...	13 0	2 0	0 6	13	
Do.	...	11 0	1 0	0 6	8	
					895	
Deduct stone in steps and under posts as per details.	...	...	...	...	33	
Cubic feet	...	...	...	...	862	

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Brickwork in Superstructure.</i>						
		FT. IN.	FT. IN.	FT. IN.		
Outer walls	...	149 0	1 6	14 0	3,759	
Partition	...	30 0	1 6	14 0	6	
Corbels	...	1 0	0 6	1 6	76	
Parapet	...	151 0	1 0	0 6	113	
Do.	...	150 0	0 9	1 0	50	
Do.	...	151 0	1 0	0 4	35	
Binding wall	...	31 0	1 6	0 9	4,039	
Deductions—						
Doors	2	4 0	1 6	8 0	96	
Windows	13	3 6	1 6	5 0	341	
Ventilators	7	3 6	1 6	2 3	83	
Archwork as per details	...	...	...	...	59	
Cubic feet	...	...	...	...	3,460	
<i>Archwork.</i>						
Segmental arches over doors	2	5 3	1 6	1 0	59	C. feet.
Do. windows	6	4 9	1 6	1 0		
<i>Cut-stone work.</i>						
Under posts	4	1 6	1 6	0 6	5	
Steps	...	45 0	1 3	0 6	28	
Slabs under beams	2	3 0	2 0	0 4	4	
Do.	4	2 0	2 0	0 4	5	
Cubic feet	...	...	...	...	42	
<i>Teakwood.</i>						
Beams	4	22 3	0 10	1 5	105	
Joists	56	12 3	0 3	0 6	139	
Do.	29	10 9	0 3	0 6		
Do. small under coping	42	2 7½	0 3	0 6	14	
Do. angle do.	4	3 6	0 3	0 6	7	
Waling pieces	2	35 3	0 2	0 6	12	
Do.	2	47 0	0 2	0 6	2	
Verandah posts	4	0 6	0 6	7 4½	19	
Do. breastsummers	3	11 0	0 6	0 9	4	
Do. brackets	6	1 1	0 3	1 1	1	
Do. rafters	23	9 9	0 3	0 4		
Do. wall-plate	...	33 0	0 3½	0 5		
Do. eave board	...	33 0	0 4	0 6		
Cubic feet	...	...	...	...	303	
<i>Wrought-iron work.</i>						
¾" bolts to secure verandah wall-plate.	6	1 9	10 6	× 1.47	15.43	
¾" hex. nuts and heads	6	...	...	× .43	2.58	
3" × 3" ½" washers	6	...	...	× .31	1.86	
lb	...	...	...	...	19.87	
Say lb.	...	...	...	...	20	

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Venetian and panel doors with frames ...	2	FT. IN. 4 0	FT. IN. ...	FT. IN. 8 0	64	Sq. feet.
Venetian windows with frames ...	6	3 6	...	5 0	104	Do.
Windows with glazed shutters and frames and $\frac{1}{4}$ square iron bars for Record-room.	7	3 6	...	5 0	123	Do.
Glazed ventilators ...	7	3 6	...	2 3	55	Do.
Terrace roofing ...	...	36 0	...	47 6	1,710	Do.
Squares ...	...	...	...	...	...	17-10
Slope terrace for verandah ...	...	33 0	...	9 9	322	Sq. feet.
Squares ...	...	...	...	...	...	3-22
Flooring with 8-inch square bricks.						
Rooms ...	...	40 0	...	30 0	1,200	
Verandah ...	...	33 9	...	8 0	270	
Door pieces ...	2	4 0	...	1 6	12	
					1,482	
Deduct stones under posts ...	4	1 6	...	1 6	9	
Square foot ...	...	...	...	...	1,473	
Squares ...	...	...	...	...	...	14-73
Plastering with two coats.						
Interior ...	...	...	...	14 0	2,300	
Rooms ...	2	100 0	...	...	411	
Exterior ...	...	...	...	2 4	2,170	
Basement all round ...	...	173 8	...	14 0	755	
Superstructure ...	...	155 0	...	5 0	93	
Parapet ...	...	151 0	...	3 0	60	
Binding wall ...	...	31 0	...	1 6	153	
Door jambs ...	2	20 0	...	1 6	142	
Window do. ...	6	17 0	...	1 6	84	
Do. do. ...	7	13 6	...	1 6	...	
Ventilator do. ...	7	8 0	...	...	...	5,668
Deductions—				8 0	128	
Doorways ... 2 x	2	4 0	...	5 0	455	
Windows ... 2 x	13	3 6	...	2 3	110	693
Ventilators ... 2 x	7	3 6	...	...	...	5,975
Square feet ...	...	...	...	...	...	59-75
Squares ...	...	...	...	...	...	166
Plaster cornice at ends of terrace...L. feet.	...	...	...	...	20	
Warden railing for Clerk's room...L. feet.	...	...	...	...	...	

Detailed Quantities.—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Painting doors, windows and exposed woodwork with three coats of Carson's oak paint.		FT. IN.	FT. IN.	FT. IN.		
Venetian and panel doors ...	3	64 0	...	...	192	
Do. windows ...	3	105 0	...	...	315	
Glazed windows with iron bars ...	2	123 0	...	...	246	
Do. ventilators ...	1	55 0	...	...	55	
Waling pieces ...	...	164 6	...	1 2	192	
Verandah posts ...	4	2 0	...	7 4	59	
Do. brackets ...	6	1 0	...	1 0	6	
Eave Board ...	0	33 0	...	1 0	33	
Square feet ...	...	...	...	...	1,098	
Squares ...	...	...	...	...	...	10-98
Wood-oiling, three coats.						
Railing ...	2	20 0	...	3 0	120	
Beams ...	4	23 0	...	3 8	337	
Joists ...	56	12 3	...	1 3	1,234	
Do. ...	28	10 9	...	1 3	...	
Do. ...	42	2 7	...	1 2	145	
Do. ...	4	3 6	...	1 2	...	
Breastsummers ...	3	11 0	...	2 0	66	
Rafters ...	23	9 9	...	0 11	206	
Wall-plate ...	...	33 0	...	1 1	37	
Square feet ...	...	...	...	...	2,145	
Squares ...	...	...	...	...	21-45	

ABSTRACT.

Quantity.	Item.	Rate.	Per.	Amount.
		RS. A. P.		RS. A. P.
4,213 C. feet...	Excavation for foundations ...	...	1,000 C. feet.	...
2,363 " ...	Earth-filling in basement ...	...	100 C. feet.	...
756 " ...	Concrete ...	...	"	...
1,633 " ...	Brickwork in foundations ...	...	"	...
862 " ...	Do. in basement ...	...	"	...
3,460 " ...	Do. in superstructure ...	...	"	...
59 " ...	Archwork ...	...	"	...
42 " ...	Cut-stone work ...	...	Cubic foot.	...
303 " ...	Teakwood wrought and put up ...	...	"	...
20 lb. ...	Wrought-iron work ...	...	lb.	...
64 S. feet ...	Venetian and panel doors with frames.	...	Square foot.	...
105 " ...	Venetian windows with frames	...	"	...
123 " ...	Glazed windows with frames and iron bars for Record-room	...	"	...
55 " ...	Glazed ventilators ...	...	"	...
17-10 Squares.	Terrace roofing ...	...	Square.	...
3-22 " ...	Slope terrace ...	...	"	...
14-73 " ...	Flooring with 8-inch square bricks ...	...	"	...
59-75 " ...	Plastering with two coats ...	...	"	...
166 Lin. feet.	Plaster cornice, exterior ...	...	L. foot.	...
20 " ...	Wooden railing ...	...	"	...

ABSTRACT—cont.

Quantity.	Item.	Rate.	Per.	Amount.
10.98 Squares.	Painting doors, windows, and exposed woodwork with three coats of Carson's oak paint	RS. A. P.		RS. A. P.
21.45 " "	Wood-oiling roof timbers, &c., with 3 coats " " " " " "	...	Square.	...
	Contingencies at 5 per cent	...	"	...
	Total...	...	...	...

MADRAS,
20th December 1881.

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.

DEPARTMENT PUBLIC WORKS.

REGISTRAR'S AND SUB-REGISTRAR'S OFFICES WITH TERRACE ROOFING.

Specification of works to be performed in executing the Standard Designs for Registrar's and Sub-Registrar's Offices according to Drawings, Sheets Nos. 19 and 21, signed by the Officiating Consulting Architect on 16th September 1881.

EXCAVATOR.

Clearing site.—Take down any existing building on the site, stacking such materials as it may be desirable to use again.

Excavation.—After the centre lines have been pegged and lined, set out on either side of the lines half the total breadth of the foundations, and excavate to the depth or depths shown on the drawing, or to such depth as the officer in charge of the works may direct.

Slips and Baling.—If slips occur during the progress of the works, clear the material away and bale any water lodging in the trenches from a hole or holes made without the limits of the same.

Ramming.—After the officer in charge of the work has seen that the trenches are the full and proper widths and depths well ram the bottom with heavy beaters for the after reception of the concrete.

BRICKLAYER.

Concrete.—Lay over the full breadth of the trenches about nine inches of concrete as herein-after specified and well ram with heavy beaters to a thickness of about six inches. After the first layer has consolidated, lay a second and execute as before. The complete concrete should be about twelve inches thick.

Brickwork.—Mark off carefully the centre lines and lay off the thickness of the footing course according to the plan.

The brickwork will be executed in sound material, and care will be taken to insert during the progress of the work the door and window frames, wood-bricks for railing, &c.

The walls will be two bricks thick, about eighteen inches.

Slips.—The openings will be played as shown on the plan.

Arching.—The heads of the openings will be covered by segmental arches built in concentric rings clear of the frame. The space between the arch and the top of the frame will be carefully closed in after the brickwork has settled down.

Bond.—The bond should be English if possible.

Stones.—Set the stones under the verandah posts, also those under the beams and fasten properly. All wood supplied by the carpenter.

STONE MASON.

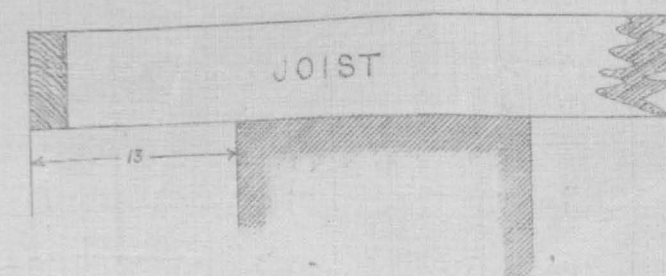
Provide and dress two lines No. 4 stones 1' 6" x 1' 6" x 6" with mortice holes 2" square and 2" deep to receive the verandah posts.

Steps.—Provide and dress two lines, the steps shown on the drawing, tailing each stone not less than three inches.

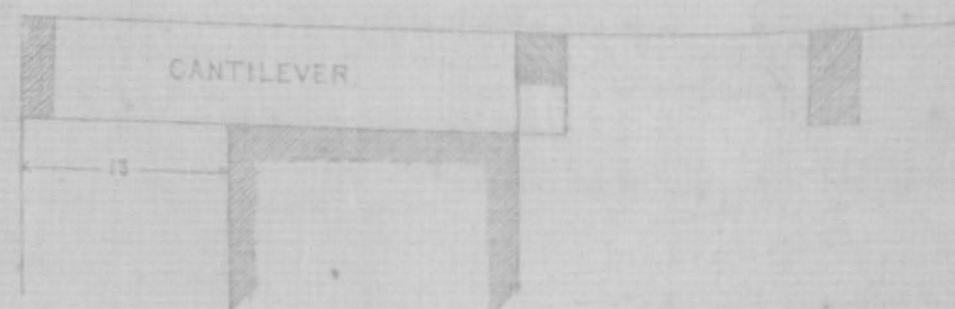
CARPENTER.

NOTE.—Vary this clause to suit Registrar's and Sub-Registrar's Offices.—Supply beams—
x — x — supply joists. x — x — supply doors, windows and venti-
lators as shown on the drawing neatly rebated and morticed in a workmanlike manner.

Halve the joists into the beam to the extent of half an inch. The longitudinal joists will project over the wall to the extent of about 13 inches including the waling piece.



small cantilevers will be arranged along the longitudinal walls halved under the joists nearest the wall thus—



Support a. Posts and beams during the execution of the terrace and slightly ease the wedges as the work progresses, allow the supports to remain for three weeks after the completion of the terrace.

TERRACE.

Lay over ordinary terrace brick in mortar and finish off in the particular method employed in the district, taking care to make proper slopes for drainage.

FLOORING.

After the surface has been brought up to the proper level lay an even floor of 8-inch square tiles, set diagonally. The tiles will be rubbed on the surface and gauged to fit each other.

PLASTERER.

Plaster the whole of the interior and exterior with two coats of plaster (see Specification Standard Designs for Police Stations, dated 15th January 1881).

MATERIALS.

The bricks will be cast in a mould — inches × — inches × — inches well burnt and free from defects.

The timber will be well seasoned and free from defects.

The lime will be collected at — properly burnt and slaked.

The sand will be collected at —.

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.

ESTIMATE of the Cost of constructing a Sub-Registrar's Office with tiled roofing according to Standard Design, Sheet No. 22, signed by the Officiating Consulting Architect to Government on 16th September 1881.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT.	IN.	FT.	IN.	
<i>Excavation for Foundations.</i>						
Outer walls	...	99	0	4	6	2,005
Partition	...	21	0	3	8	347
Verandah walls	...	35	9	3	6	563
Steps	...	13	0	3	0	39
Cubic feet	...	...	...	...	...	2,954
<i>Earth-filling in Basement.</i>						
Rooms	...	24	0	21	0	756
Platform	...	12	0	8	6	192
Verandah	...	25	9	5	1	198
Cubic feet	...	...	...	...	...	1,056
<i>Concrete.</i>						
Outer walls	...	99	0	3	6	347
Partitions	...	22	0	2	8	59
Verandah walls	...	36	9	2	6	92
Steps	...	13	0	3	0	39
Cubic feet	...	...	...	...	...	537
<i>Brickwork in Foundations.</i>						
Footings—						
Outer walls	...	99	0	2	8	396
Partition	...	22	10	1	10	63
Verandah wall	...	37	7	1	6	85
Above footings to ground level—						
Outer walls	...	99	0	2	3	445
Partition	...	23	3	1	6	70
Verandah wall	...	38	0	1	0	76
Cubic feet	...	...	...	...	...	1,135
<i>Brickwork in Basement.</i>						
Outer walls	...	99	0	2	3	446
Partition	...	23	3	1	6	70
Verandah wall	...	38	0	1	0	76
Steps	...	13	0	3	0	29
Do.	...	11	0	2	0	11
Do.	...	9	0	1	0	5
						628
Deduct stone in steps and under posts as per details	...	...	...	...	...	29
Cubic feet	...	...	...	...	...	599

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.	
<i>Brickwork in Superstructure.</i>		FT. IN.	FT. IN.	FT. IN.			
Outer walls	...	99 0	1 6	12 0	2,214	2,849	
Partition	...	24 0	1 6	12 0			
Gables	3	27 0	1 6	4 6	547		
Over gable ends	2	33 0	1 6	0 9	74		
Corbels	12	1 0	0 6	1 6	9		
Band over verandah roof	1	27 0	0 3	0 9	5		
<i>Deductions.</i>							
Doorways	2	4 0	1 6	8 0	96		419
Windows	8	3 6	1 6	5 0	210		
Gable ventilators	8	1 3	1 3	1 6	19		
Archwork as per details	...	...	...	...	94		
Cubic feet	...	...	...	...	...	2,430	
<i>Archwork.</i>							
Segmental arches over doors	2	5 3	1 6	1 0	94	C. feet.	
Do. windows	6	4 9	1 6	1 0			
Semi-circle arch for gable ventila- tor	2	11 9	1 6	1 0			
<i>Cut-stone work.</i>							
Under posts	4	1 6	1 6	0 6	5	43	
Steps	...	39 0	1 3	0 6	24		
Slabs under beams	3	2 0	3 0	0 4	6		
Do.	6	2 0	2 0	0 4	8		
Cubic feet	...	...	...	...	...		
<i>Teakwood.</i>							
Clerks' room purlins and ridge	3	14 0	0 5	0 9	23	129	
Record-room do.	3	11 0	0 5	0 9	3		
Wall-plates	2	25 6	0 3	0 3	57		
Rafters	36	19 0	0 3	0 4	6		
Struts	36	2 6	0 3	0 3	8		
Uprights (double)	72	3 2	0 3½	0 1½	1		
Eaves board	2	27 0	0 3½	0 5	4		
Verandah posts	4	6 6	0 5	0 5	7		
Do. breastsummers	3	9 1½	0 5	0 7½	2		
Do. brackets	6	1 1	0 3	1 1	14		
Do. rafters	19	9 1½	0 3	0 4	3		
Do. wall-plates	1	27 0	0 3	0 5	1		
Do. eave board	1	27 0	0 3	0 5			
Cubic feet	...	...	...	...	...		
<i>Wrought-iron work.</i>							
½" diameter bolts to secure veran- dah wall-plate	6	1 9 = 10 6 ×		1 47 =	15 43	19 87	
½" hex. nuts and bolt heads.	6	...	...	43 =	2 58		
3" × 3" × ½" washers for do.	6	...	...	31 =	1 86		
Lb.	...	...	...	...	...		
Say lb.	...	...	...	...	...	20	

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Venetian and panel doors with frames	2	4 0	...	8 0	64	Sq. feet.
Venetian windows with frames	4	3 6	...	5 0	70	Do.
Glazed windows with frames and ¾" square iron bars for Record-room	4	3 6	...	5 0	70	Do.
Glazed ventilators in gables	8	1 3	...	1 3	12½	Do.
<i>Tiled roofing.</i>						
Over rooms	...	26 9	...	39 0	1,043	
Do. verandah	...	27 0	...	9 1½	246	
Square feet	...	...	...	...	1,289	
Squares	...	...	...	...	...	12 89
<i>Flooring with 8-inch square bricks.</i>						
Clerks' and Registrar's rooms	...	24 0	...	12 0	288	
Record-room	...	24 0	...	9 0	216	
Verandah	...	27 9	...	6 6	180	
Door pieces	2	4 0	...	1 6	12	
Deduct stones under posts	4	1 6	...	1 6	696	
Square feet	...	...	...	...	687	
Squares	...	...	...	...	...	6 87
<i>Plastering with two coats.</i>						
<i>Interior—</i>						
Clerks' and Registrar's room	...	72 0	...	12 0	864	
Record-room	...	66 0	...	12 0	792	
Gables	4	24 0	...	4 6	432	
<i>Exterior—</i>						
Basement all round	...	120 3	...	2 4½	286	
Superstructure	...	105 0	...	12 0	1,260	
Gables	2	27 0	...	5 2	270	
Wall over do.	2	33 0	...	3 0	198	
Door jambs	2	20 0	...	1 6	60	
Window do.	4	17 0	...	1 6	102	
Do. do.	4	13 6	...	1 6	81	
						4,354
<i>Deductions.</i>						
Doorways	2 × 2	4 0	...	8 0	128	
Windows	2 × 8	3 6	...	5 0	280	
Square feet	...	...	...	...	...	3,946
Squares	...	...	...	...	...	39 46
<i>Wooden Railing.</i>						
For Clerks' room	Linear feet.	...	...	...	12	...

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
<i>Painting doors, windows and exposed woodwork with three coats of Carson's paint.</i>						
Venetian and panel doors ...	3	64 0	...	...	192	
Do. windows ...	3	70 0	...	...	210	
Glazed windows with iron bars ...	2	70 0	...	...	140	
Glazed ventilators ...	...	...	...	...	18	
Struts ...	36	2 6	...	1 0	90	
Uprights ...	72	3 0	...	0 8	153	
Eaves boards ...	2	27 0	...	0 9	41	
Verandah posts ...	4	6 6	...	1 8	43	
Do. brackets ...	6	1 0	...	1 0	6	
Do. eave board ...	...	27 0	...	0 9	20	
Square feet ...	...	...	...	...	908	
Squares ...	...	...	...	...	...	9-08
<i>Wood-oiling, three coats.</i>						
Railing ...	2	12 0	...	3 0	72	
Furlings and ridge ...	3	14 0	...	1 11	144	
Do. ...	3	11 0	...	1 11	...	
Rafters ...	36	19 0	...	0 11	627	
Breastsummers ...	...	27 0	...	1 8	45	
Rafters ...	19	9 1	...	0 11	153	
Wall-plate ...	...	27 0	...	0 8	18	
Square feet ...	...	...	...	...	1,065	
Squares ...	...	...	...	...	...	10-65

ABSTRACT.

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. A. P.
2,954 C. feet.	Excavation for foundations ...	...	1,000 C. feet.	...
1,056 "	Earth-filling in basement...	...	100 C. feet.	...
537 "	Concrete ...	...	"	...
1,135 "	Brickwork foundations ...	...	"	...
599 "	Do. in basement ...	...	"	...
2,430 "	Do. in superstructure ...	...	"	...
94 "	Archwork ...	...	C. foot.	...
43 "	Cut-stone work ...	...	"	...
129 "	Teakwood wrought and put up ...	...	lb.	...
20 lb.	Wrought-iron work ...	...	"	...
64 Sq. feet.	Venetian and panel doors with frames ...	...	Sq. foot.	...
70 "	Venetian windows with frames ...	...	"	...
70 "	Glazed windows with frames and iron bars for record-room ...	...	"	...
124 "	Glazed ventilators in gables ...	...	"	...
12-89 Squares.	Tiled roofing with flat and pan tiles including teak reapers ...	...	Square.	...

ABSTRACT—cont.

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. A. P.
6-67 Squares.	Flooring with 8-inch square bricks.	...	Square.	...
39-46 "	Plastering with two coats ...	...	"	...
12 L. feet.	Wooden railing ...	...	L. foot.	...
9-08 Squares.	Painting doors, windows and exposed wood-work with three coats of Carson's oak paint.	...	Square.	...
10-65 "	Wood-oiling roof-timbers, &c., three coats.	...	"	...
	Contingencies at 5 per cent. ...	...	...	...
	Total ...	...	...	...

MADRAS,
20th December 1881.

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.

ESTIMATE of the Cost of constructing a Registrar's Office with tiled roofing according to Standard Sheet No. 20, signed by the Officiating Consulting Architect to Government on 16th September 1881.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Excavation for Foundations.</i>						
		FT. IN.	FT. IN.	FT. IN.		
Outer walls	149	0	4 6	4 6	3,017	
Partition	27	0	3 8	4 6	446	
Verandah walls	44	9	3 6	4 6	705	
Steps	15	0	3 0	1 0	45	
Cubic feet					4,213	
<i>Earth-filling in Basement.</i>						
Rooms	30	0	40 0	1 6	1,800	
Platform	11	6	20 0	1 0	230	
Verandah	31	9	7 0	1 6	333	
Cubic feet					2,363	
<i>Concrete.</i>						
Outer walls	149	0	3 6	1 0	522	
Partition	28	0	2 8	1 0	75	
Verandah walls	45	9	2 6	1 0	114	
Steps	15	0	3 0	1 0	45	
Cubic feet					756	
<i>Brickwork in Foundations.</i>						
Footings course—						
Outer walls	149	0	2 8	1 6	596	
Partition	28	10	1 10	1 6	79	
Verandah walls	46	7	1 6	1 6	105	
Above footing to ground level—						
Outer wall	149	0	2 3	2 0	671	
Partition	29	3	1 6	2 0	88	
Verandah wall	47	0	1 0	2 0	94	
Cubic feet					1,633	
<i>Brickwork in Basement.</i>						
Outer walls	149	0	2 3	2 0	671	
Partition	29	3	1 6	2 0	88	
Verandah walls	47	0	1 0	2 0	94	
Steps	15	0	3 0	0 6	23	
Do.	13	0	2 0	0 6	13	
Do.	11	0	1 0	0 6	6	
					895	
Deduct stone in steps and under posts as per details.					33	
Cubic feet					862	
<i>Brickwork in Superstructure.</i>						
Outer walls	149	0	1 6	14 0	3,759	
Partition	30	0	1 6	14 0		

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Brickwork in Superstructure—cont.</i>						
		FT. IN.	FT. IN.	FT. IN.		
Gables	3	33 0	1 6	5 3	780	
Over gable end	2	40 0	1 6	0 9	90	
Corbels	12	1 0	0 6	1 6	9	
Band over verandah roof		33 0	0 3	0 9	6	4,644
<i>Deductions—</i>						
Doors	2	4 6	1 6	8 0	96	
Windows	12	3 6	1 6	5 0	315	
Ventilators	4	3 6	1 6	2 3	47	
Archwork as per details					108	
Cubic feet					566	
Cubic feet					4,078	
<i>Archwork.</i>						
Segmental arches over doors	2	5 3	1 6	1 0	16	
Do. do. windows	8	4 9	1 6	1 0	57	
Semicircular arches for gable ventilators.	2	11 9	1 6	1 0	35	
Cubic feet					108	
<i>Cut-stone work.</i>						
Under posts	4	1 6	1 6	0 6	5	
Steps		45 0	1 3	0 6	28	
Slabs under beams	3	3 0	2 0	0 4	14	
Do.	6	2 0	2 0	0 4		
Cubic feet					47	
<i>Teakwood.</i>						
Purlins and ridge	6	22 3	0 3	1 2	117	
Wall plates	2	44 6	0 3	0 3	6	
Rafters	60	22 6	0 3	0 5	141	
Struts	60	2 6	0 3	0 3	9	
Uprights, double	120	3 2	0 1	0 3	14	
Eaves board	2	45 9	0 6	0 6	3	
Verandah posts	4	0 6	0 6	7 4	7	
Do. breastsummers	3	11 0	0 6	0 9	12	
Do. brackets	6	1 1	0 3	1 1	2	
Do. rafters	23	10 9	0 3	0 5	26	
Do. wall-plate	1	33 0	0 3	0 5	4	
Do. eave board	1	33 0	0 3	0 6	1	
Cubic feet					342	
<i>Wrought iron work.</i>						
$\frac{3}{4}$ " diameter bolts to secure verandah wall-plate.	6	1 9	$\frac{10}{16}$	$\frac{6}{16}$	$\frac{15}{16}$	15.43
$\frac{3}{8}$ " hex. nuts and heads	6			$\frac{43}{16}$	$\frac{2}{16}$	2.58
$\frac{3}{8}$ " $\times$ $\frac{3}{8}$ " $\times$ $\frac{1}{4}$ " washers for heads	6			$\frac{31}{16}$	$\frac{1}{16}$	1.86
lb.						19.87
Say lb.						20

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Venetian and panel doors with frames ...</i>	2	FT. IN. 4 0	FT. IN. ...	FT. IN. 8 0	64	Sq. feet.
<i>Venetian windows with frames ...</i>	6	3 6	...	5 0	105	Sq. feet.
<i>Windows with glazed shutters and frames and $\frac{3}{4}$" square iron bars.</i>						
For record-room ...	6	3 6	...	5 0	105	Sq. feet.
<i>Glazed ventilators with frames.</i>						
At sides ...	4	3 6	...	2 3	31 $\frac{1}{2}$	
At gables ...	8	1 3	...	1 3	12 $\frac{1}{2}$	
Square feet ...					44	
<i>Tiled roofing.</i>						
Over rooms ...		45 9	...	46 0	2,105	
Over verandah ...		33 0	...	10 9	355	
Square feet ...					2,460	
Squares ...						24-60
<i>Flooring with 8-inch square bricks over a levelling course of wall bricks.</i>						
Rooms ...		40 0	...	30 0	1,200	
Verandah ...		33 9	...	8 0	270	
Door pieces ...	2	4 0	...	1 6	12	
					1,482	
Deduct stones under posts ...	4	1 6	...	1 6	9	
Square feet ...					1,473	
Squares ...						14-73
<i>Plastering with two coats.</i>						
Interior—						
Rooms ...	2	100 0	...	14 0	2,800	
Gables ...	4	30 0	...	5 3	630	
Exterior—						
Basement all round ...		173 3	...	2 4 $\frac{1}{2}$	411	
Superstructure ...		155 0	...	14 0	2,170	
Gables ...	2	33 0	...	5 6	363	
Wall over do. ...	2	40 0	...	3 0	240	
Door jambs ...	2	20 0	...	1 6	60	
Window do. ...	2	20 0	...	1 6	204	
Do. ...	8	17 0	...	1 6	81	
Ventilator do ...	4	13 6	...	1 6	48	
Deductions—						
Doorways ...	2	4 0	...	8 0	128	
Windows ...	2	3 6	...	5 6	462	
Ventilators ...	4	3 6	...	2 3	63	
Square feet ...						653
Squares ...						6,354
						63-54

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Wooden railing.</i>		FT. IN.	FT. IN.	FT. IN.		
For Clerks' room ...	...	...	...	...	20	
<i>Painting doors, windows and exposed woodwork with three coats of Carson's oak paint.</i>						
Venetian doors ...	3	64 0	...	...	192	
Do. windows ...	3	105 0	...	...	315	
Glazed windows with iron bars ...	2	105 0	...	...	210	
Do. ventilators ...	...	...	...	...	44	
Struts ...	60	2 6	...	1 0	150	
Uprights ...	120	3 2	...	0 8 $\frac{1}{2}$	269	
Eaves board ...	2	45 9	...	0 10 $\frac{1}{2}$	80	
Verandah posts ...	4	2 0	...	7 4 $\frac{1}{2}$	59	
Brackets ...	6	1 0	...	1 0	6	
Eave board ...	1	33 0	...	0 10 $\frac{1}{2}$	29	
Square feet ...					3,354	
Squares ...						13-54
<i>Wood-oiling, three coats.</i>						
Railing ...	2	20 0	...	3 0	120	
Purlins and ridge ...	6	22 3	...	3 1	412	
Rafters ...	60	22 6	...	1 1	1,463	
Breastsummers ...	3	11 0	...	2 0	66	
Rafters ...	23	10 9	...	1 1	268	
Wall-plate ...	1	33 0	...	1 1 $\frac{1}{2}$	37	
Square feet ...					2,366	
Squares ...						23-66

ABSTRACT.

Quantity.	Item.*	Rate.	Per	Amount.
		RS. A. P.		RS. A. P.
4,213 C. feet	Excavation for foundation ...	...	1,000 C. feet.	...
2,363 "	Earth-filling in basement ...	...	"	...
756 "	Concrete ...	...	100 "	...
1,633 "	Brickwork in foundations ...	...	"	...
862 "	Do. in basement ...	...	"	...
4,078 "	Do. in superstructure ...	...	"	...
108 "	Archwork ...	...	"	...
47 "	Cut-stone work ...	...	C. foot.	...
342 "	Teakwood wrought and put up ...	...	"	...
20 lbs.	Wrought-iron work ...	...	lb.	...
64 S. feet.	Venetian and panel doors with frames, Venetian windows with frames ...	...	Square foot.	...
105 "	Glazed windows with frames and iron bars for record room ...	...	"	...
105 "	Glazed ventilators ...	...	"	...
44 "		...	"	...

ABSTRACT.—cont.

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. A. P.
24.60 Squares.	Tiled roofing with flat and pan tiles including teak reapers ...	...	Square.	...
14.73 "	Flooring with 8-inch square bricks ...	...	"	...
63.54 "	Plastering with two coats ...	...	"	...
20 L. feet.	Wooden railing ...	...	L. foot.	...
13.54 Squares.	Painting with three coats of Carson's paint ...	...	Square.	...
23.66 "	Wood-oiling roof timbers, three coats ...	...	"	...
...	Contingencies at 5 per cent. ...	...	...	...
	Total ...	...		...

MADRAS,
20th December 1881.

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.

DEPARTMENT PUBLIC WORKS.

REGISTRAR'S AND SUB-REGISTRAR'S OFFICES WITH-TILED ROOFING.

Specification of works to be performed in executing the Standard Designs for Registrar's and Sub-Registrar's Offices, according to Drawing Sheets, Nos. 20 and 22, signed by the Officiating Consulting Architect on the 16th September 1881.

EXCAVATOR.

Clearing site.—Take down any existing building on the site, stacking such materials as it may be desirable to use again.

Excavation.—After the centre lines have been pegged and lined, set out on either side of the lines half the total breadth of the foundations and excavate to the depth or depths shown on the drawing, or to such depth as the officer in charge of the works may direct.

Slips and Baling.—If slips occur during the progress of the works clear the material away and bale any water lodging in the trenches from a hole or holes made without the limits of the same.

Ramming.—After the officer in charge of the work has seen that the trenches are the full and proper widths and depths, well ram the bottom with heavy beaters for the after reception of the concrete.

BRICKLAYER.

Concrete.—Lay over the full breadth of the trenches about 9 inches of concrete as herein-after specified and well ram with heavy beaters to a thickness of about 6 inches. After the first layer has consolidated lay a second and execute as before. The complete concrete should be about 12 inches thick.

Brickwork.—Mark off carefully the centre lines and lay off the thickness of the footing course according to the plan.

The brickwork will be executed in sound material, and care will be taken to insert during the progress of the work the door and window frames, wood-bricks for railing, &c.

The walls will be two bricks thick, about 18 inches.

Splays.—The openings will be splayed as shown on the plan.

Arching.—The heads of the openings will be covered by segmental arches built in concentric rings clear of the frame. The space between the arch and the top of the frame will be carefully closed in after the brickwork has settled down.

Bond.—The bond should be English if possible.

Stones.—Set the stones under the verandah posts, also those under the beams and fasten properly. All wood supplied by the carpenter.

STONE MASON.

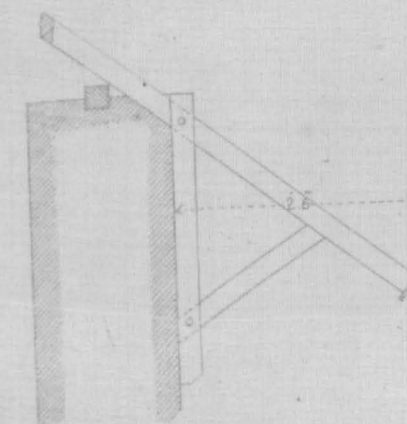
Provide and dress two lines No. 4 stones 1' 6" x 1' 6" x 6" with mortice holes 2" square and 2" deep to receive the verandah posts.

Steps.—Provide and dress two lines, the steps shown on the drawing, tailing each stone not less than three inches.

CARPENTER.

NOTE.—Vary this clause to suit Registrar's and Sub-Registrar's Offices.—Supply beams—
x — x — supply rafters — x — x — supply doors windows and ventilators as shown on the drawing, neatly rebated and morticed in a workmanlike manner.

The rafters will be notched over the beams and project 2 feet 6 inches from the face of the wall and strutted as shown on the drawing.



ROOFING.

Tiling.—Cover the roof with well burnt flat and pan tiles laid in the usual manner and the ridge with tiles specially made for the purpose.

Chunam bands.—Protect the ridge with chunam and lay bands on the tiling — inches broad and — inches apart rough cast on the surface.

FLOORING.

After the surface has been brought up to the proper level lay an even floor of 8-inch square tiles set diagonally. The tiles will be rubbed on the surface and gauged to fit each other.

PLASTERER.

Plaster the whole of the interior and exterior with two coats of plaster. (See Specification Standard Design for Police Stations, dated 15th January 1881.)

MATERIALS.

The bricks will be cast in a mould — inches x — inches x — inches, well burnt and free from defects.

The timber will be well seasoned and free from defects.

The lime will be collected at — properly burnt and slaked.

The sand will be collected at —

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

14th January 1882, No. 120 W.

Buildings and Roads.
Civil Works.

Read the following papers:—

No. 69. From Major A. T. FRASER, R.E., Officiating Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepauk, 16th September 1881, No. 465.

I HAVE the honor, in terms of G.O., No. 1783 W., of the 21st July, to forward the following standard designs for Registrar's and Sub-Registrar's Offices prepared in accordance with the sketch plan herewith enclosed for reference, which was approved in the Judicial Department, dated 20th January 1881:—

Standard design, Registrar's Office, terraced building.

Do. do. do. tiled building.

Do. Sub-Registrar's Office, terraced building.

Do. do. do. tiled building.

2. As it is understood Superintending Engineers are waiting for these standard plans, I have had to supply the Superintending Engineer, Second Circle, with copies in anticipation; it is considered inadvisable to retain them till the quantities are taken out.

This will be done and a specification furnished when the plans are returned from the Lithographic Press.

SUBMITTED for the approval of Government in the Judicial Department, and for the countersignature of the Inspector-General of Registration.

(Signed) J. PENNYCUICK, Major, R.E.,
Deputy Chief Engineer, P.W.D.

19th September 1881.

To the Judicial Department, with the letter above quoted
and five enclosures (requested to be returned).

No. 69-A. Proceedings of the Madras Government in the Judicial Department, dated 9th November 1881, No. 2283.

From the Public Works Department, dated 19th September 1881, No. 2150.

From the Inspector-General of Registration, Madras, dated 14th October 1881, No. 670.

THE plans are approved and returned with the countersignature of the Inspector-General of Registration.

(True Extract.)

(Signed) R. DAVIDSON,
Chief Secretary.

No. 69-B. From R. F. CHISHOLM, Esq., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepauk, 20th December 1881, No. 736.

IN continuation of this office letter, No. 463, dated 16th September, I have the honor to forward specifications and detailed quantities for the tiled and terraced standard designs for Registrar's and Sub-Registrar's Offices.

Two Specifications.
Four Detailed Estimates.

No. 70. ORDER THEREON, 14th January 1882, No. 120 W.

THE standard designs for Registrar's and Sub-Registrar's Offices, which have been approved in the Judicial Department, will be lithographed and the estimates and specifications printed for circulation and adoption in the department.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Government, P.W.D.

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

Exd. A. Aubert.
Spare Copies

719
15

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1882) Madras.
PUBLIC WORKS.

Dated January, 14th.

Recd.

Encl.

G.O., 14th Jan. 1882, No. 120 W.

JANUARY.
Nos. 69-70.

Registrar's and Sub-Registrar's Offices.
The standard designs for —, ordered to be
lithographed and circulated for adoption in
the Public Works Department.

SUPERINTENDING ENGINEER'S OFFICE,

No. 2491.

Madras

Bellamy Chappell, 9 March 1885.

From

Lt Col W. M. Thwaites

SUPERINTENDING ENGINEER,

CIRCLE.

To

The Inspector General.
of Registration
Madras

Sir,

Enclosures.

With reference to G.O. No. 2850 W. dated 14th Nov. 84, I have the honor to forward for your approval and countersignature and for transmission to Government, an estimate amounting to Rs. 2435 for constructing a Sub-Registrar's Office at Vayalpanad on the standard design approved of in G.O. No. 120 W. dated 14th Jan. 82. The Office is proposed to be built in the compound of the new Taluk Catcherry to be built at Vayalpanad.

I have the honor to be
Sir

Your most obedt. servant.

W. M. Thwaites Lt Col R.E.

Superintending Engineer
3rd Circle

Submitted

From

The Superintending Engineer,

1st Circle,

To

The

2435/85

H. N. 1194-10. Muzhfor
Madras.

Submitted for the
Sanction of Government.

W. A. Amirth

Inspr. Genl. of Ry.

2
To
The Chief Secretary to
Government.

Dated

Recd.

4 } March

1885.

ENCLOSURES.

2618

No. 2491.

Forwarding plan and
estimate for constn. a
S.M. at Rayalpar.

Ind. C. O. 21-282-3132

Ind. C. O. 21-282-3132

Registration

From
The Inspector General
of Registration
Madras.



No. 628 of 16th March 1885.

Approved and transferred
to the Public Works
Department.

By order

H. A. Stewart

Asst. Secy.

3.85.

Dated 10th

Received

March 1885

No. 1194.

Enclosure

No.

Submitting for the sanction
of the Government an estimate
for constructing a Submagistrate
Office at Vayalpad in the
Cuddalore District.

Public Works Department, 1884-85.

7194

Current No.

2435

Letter No.

628

Dated the

15th March 1885

From the

Secy to Govt. Public Works Dept.

NOTE OF REMARKS.

1. With reference to G.O. No. 2850 of
the 14th Nov. 84, the accom-
panying estimate has
been submitted for the
construction of a Sub-
Registrar's Office at Vayal-
pad in the Cuddalore
District. The estimate
amounts to Rs. 2435.

2. Except that the masonry
of the foundation is to
be burnt stone in mortar,
and of the basement and
superstructure, hammer-
dressed stone in mortar,
the estimate now sub-
mitted accords exactly
with that sanctioned
in G.O. No. 1207 of the 14th Jan.
1882. — Two sun shades
have been provided.

3. The estimate has been
countersigned by the
Insp. Genl. of Registration

18th March/85
B.H.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 23rd March/85

READ the following

From the Inspector General of
Registration } H.E. No. 1194 of 10th March/85
Encl. thereon by the Judicial Dept. .. No. 628 of 16th March 1885

The estimate amounting
to Rs 2435, for constructing
a Sub Registrar's office at
Vayalpad in the Juddapah
District, is sanctioned.

2. This sanction has
been registered as Prob.
No. 283W of 1884-85, and
classified as Civil
Buildings Original works.

To

The Supy. Engr. III Circle
Judicial Department
Examiner P. W. Accounts

Cd.
21.3.85

W.
21.3.85

719
20

7-84
13 1/2
2/3

2435.

Govt. of Madras.

PUBLIC WORKS.

Dated

25-3-85

Recd.

Encl.

G.O. 23 March 1885, No. 719W.

Sub-Registrars Office

at Vayalpad

Est amt: Rs 2435

for const: a —

Cuddalore Dist.

Santhipatti.

50

1

25/3