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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works DEPARTMENT

G.O. No. ~~B.P. No.~~	1665 — W	Press. ~~Mis.~~
Dated	3.7.1884	198.

G.P.

Not to be folded or roughly handled

3RD JULY 1884, No. 1665 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

No. 112 M.D.

Report by the Superintending Engineer, VI Circle, on the estimate for constructing a sub-registrar's office at Usilampatti, in the Madura district, Rs. 2,580.

The estimate is called for in G.O., No. 2313 W., of 17th August 1883, and has been prepared in accordance with the standard design (sheet No. 21) sanctioned in G.O., No. 120 W., of 14th January 1882.

- 1 Detailed and abstract estimate.
- 1 Duplicate and abstract estimates.
- 1 Site plan.

2. The site selected for the building is approved of by the Collector. No compensation is required as the land belongs to Government.

3. The soil of the site was examined and the foundation (1 foot concrete and 4 feet masonry) allowed in the estimate is considered ample.

4. Weather-boards have been provided to side-windows of the sub-registrar's and clerk's rooms.

5. The rates are fair and the estimate is forwarded for sanction, through the Inspector-General of Registration.

6. The work can probably be completed in nine months after sanction and allotment of funds.

(Signed) H. R. MEAD, Lieut.-Col., R.E.,
Superintending Engineer, VI Circle.

T. No. 2135.

Submitted for the sanction of Government.

OOTACAMUND,
11th June 1884.

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

To the Chief Secretary to Government.

No. 1317, Judicial.

Approved and transferred to the Public Works Department.

(By Order.)

OOTACAMUND,
18th June 1884.

(Signed) M. HAMMICK,
Ag. Assistant Secretary.

ORDER—dated 3rd July 1884, No. 1665 W., Public Works.

The estimate, amounting to Rs. 2,580, for constructing a sub-registrar's office at Usilampatti, in the Madura district, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial No. 81 W. of 1884-85, and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, VI Circle, with four enclosures.

„ Examiner, Public Works Accounts, with one duplicate abstract estimate.

„ Judicial Department.

Ed. E. Fernandez.

Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated July, 3rd.

Recd.

Encl.

G.O., 3rd July 1884, No. 1665 W.

JULY.

Sub-Registrar's Office

Estimate of Rs. 2,580, for constructing a
— at Usilampatti in the Madura district,
sanctioned.

17TH AUGUST 1883, No. 2313 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from G. HAMNETT, Esq., Inspector-General of Registration, to the Acting Chief Secretary to Government, dated Pernabalur, 1st August 1883, T. No. 2299:—

I have the honor to request that you will be pleased to obtain the sanction of the Government for the preparation of plan and estimate for building a Sub-Registry Office on the standard terraced design at Usilampatti, in the Madura District.

2. The Sub-Registrar now holds his office in a room in the Taluk Cutcherry, which he reports to be "very small and incommodious," while the Deputy Tahsildar objects to its being enlarged.

3. Mr. F. E. Robinson, the Assistant Collector, who inspected the Sub-Registry Office on the 14th March last, remarked:—

"The office is scarcely adapted to the purpose, and a separate building should be constructed. The books are all well kept. The Sub-Registrar works among a population alien to the forms of law and better love their unstamped cadjans with caste punchayet than the safety afforded by registration."

No. 1536, Judicial.

Approved and transferred to the Public Works Department.

Ootacamund,
13th August 1883.

(Signed) M. HAMMICK,
Acting Assistant Secretary.

ORDER—dated 17th August 1883, No. 2313 W., Public Works.

Communicated to the Superintending Engineer, Sixth Circle, who will submit an estimate for the work.

(True Extract.)

(Signed) R. H. SANKEY, Major-General, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, Sixth Circle.
" Inspector-General of Registration.
" Judicial Department.

Exd. A. F. Goodall.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1883) Madras.

PUBLIC WORKS.

Dated August, 17th.

Recd.

Encl.

G.O., 17th Aug. 1883, No. 2313 W.

AUGUST.

Sub-Registry Office

Estimate called for for a new — at
Usilampatti, in the Madura District.

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 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	...	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 11	1 6	198	
Cubic feet	...	...	...	...	1,056	
<i>Concrete.</i>						
Outer walls	...	99 0	3 6	1 0	347	
Partition	...	22 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	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	
Partition		24 0	1 6	12 0		
Parapet		101 0	1 0	0 6		51
Do.		100 0	0 9	1 0		75
Do.		101 0	1 0	0 4	34	
Binding wall		25 0	1 6	0 9	28	
Deductions—						2,402
Doors	2	4 0	1 6	8 0	96	
Windows	9	3 6	1 6	5 0	236	
Archwork as per details					45	
						377
Cubic feet						2,025
<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	
Cubic feet					45	
<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 3	24	
Cubic feet					29	
<i>Teakwood.</i>						
Clerks and Registrar's room joists	17	15 6	0 3	0 7 $\frac{1}{2}$	41	
Record-room joists	17	12 6	0 3	0 6	39	
Small joists under coping at sides	32	2 7 $\frac{1}{2}$	0 3	0 6		
Do. do. at angles ...	4	3 6	0 3	0 6		
Waling pieces	2	28 0	0 2	0 6		10
Do.	2	29 6	0 2	0 6	5	
Verandah posts	4	0 5	0 5	7 4 $\frac{1}{2}$		
Do. breastsummers ...	3	9 1 $\frac{1}{2}$	0 5	0 7 $\frac{1}{2}$		7
Do. brackets	6	1 1	0 3	1 1		2
Do. rafters	19	8 0	0 2 $\frac{1}{2}$	0 3 $\frac{1}{2}$	9	
Do. wall-plate	1	27 0	0 3	0 5	3	
Do. eave board		27 0	0 4	0 3	1	
Cubic feet					117	
<i>Wrought-iron Work.</i>						
$\frac{1}{2}$ " diameter bolts to secure wall-plates.	6	1 9	10 6	$\times$ 1.47	15.43	
$\frac{1}{2}$ " hex. nuts and bolt heads for do.	6			$\times$.43	2.58	
3" $\times$ 3" $\times$ $\frac{1}{8}$ " washers for do.	6			$\times$.31	1.86	
lb.					19.87	
Say lb.						20
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.

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Windows with glazed shutters and frames with $\frac{3}{4}$" square iron bars for Record-room.</i>		FT. IN.	FT. IN.	FT. IN.		
Terrace roofing	5	3 6		5 0	88	Sq. feet.
Squares					855	Do.
Slope terracing for verandah ...		30 0		28 6		8.55
Squares					216	Sq. feet.
Flooring with 8-inch square bricks over a levelling course.		27 0		8 0		2.16
Clerks and Registrar's room ...		24 0		12 0	238	
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					9	
Squares					687	
Plastering with two coats.						6.87
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 $\frac{1}{2}$	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 $\times$	2	4 0	8 0	128	
Windows	2 $\times$	9	3 6	5 0	315	
Square feet						443
Squares						3,602
Plaster cornice exterior.						36.02
Ends of terrace... ..					114	
Wooden railing for Clerks' room... L. ft.					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	83 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	
Joists ...	17	15 6	...	1 6	335	
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 ...	...	"	...
20 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.	...	"	...
3.55 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 cornice 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>						
Footing 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 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	6	
					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	8	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	...	...	...	...		579
						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		
Do.	28	10 9	0 3	0 6	139	
Do. small under coping	42	2 7½	0 3	0 6		
Do. angle do.	4	3 6	0 3	0 6		
Waling pieces	2	35 3	0 2	0 6	14	
Do.	2	47 0	0 2	0 6	7	
Verandah posts	4	0 6	0 6	7 4½	12	
Do. breastsummers	3	11 0	0 6	0 9	2	
Do. brackets	6	1 1	0 3	1 1	19	
Do. rafters	23	9 9	0 3	0 4	4	
Do. wall-plate	...	33 0	0 3½	0 5½	1	
Do. cave board	...	33 0	0 ½	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.
		FT. IN.	FT. IN.	FT. IN.		
Venetian and panel doors with frames ...	2	4 0	...	8 0	64	Sq. feet.
Venetian windows with frames ...	6	3 6	...	5 0	105	Do.
Windows with glazed shutters and frames and $\frac{3}{4}$ " 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 feet ...	...	...	...	...	1,473	
Squares ...	...	...	...	...	...	14-73
Plastering with two coats.						
Interior ...	...	...	...	...	...	
Rooms ...	2	100 0	...	14 0	2,800	
Exterior ...	...	...	...	...	...	
Basement all round ...	...	173 3	...	2 4	411	
Superstructure ...	...	155 0	...	14 0	2,170	
Parapet ...	...	151 0	...	5 0	755	
Binding wall ...	...	31 0	...	3 0	93	
Door jambs ...	2	20 0	...	1 6	60	
Window do. ...	6	17 0	...	1 6	153	
Do. do. ...	7	13 6	...	1 6	142	
Ventilator do. ...	7	8 0	...	1 6	84	
Deductions—						6,668
Doorways ... 2 x	2	4 0	...	8 0	123	
Windows ... 2 x	13	3 6	...	5 0	455	
Ventilators ... 2 x	7	3 6	...	2 3	110	
					...	693
Square feet ...	...	...	...	...	...	5,975
Squares...	...	...	...	...	...	59-75
Plaster cornices at ends of terrace...L. feet.	...	...	...	...	166	
Wooden railing for Clerk's room...L. feet.	...	...	...	...	20	

Detailed Quantities.—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Painting doors, windows and exposed woodwork with three coats of Carson's oak paint.						
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 ...	...	"	...
756 " ...	Concrete ...	...	100 C. feet.	...
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.
		RS. A. P.		RS. A. P.
10.98 Squares.	Painting doors, windows, and exposed woodwork with three coats of Carson's oak paint	...	Square.	...
21.45 „ ...	Wood-oiling roof timbers, &c., with 3 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 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.

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.

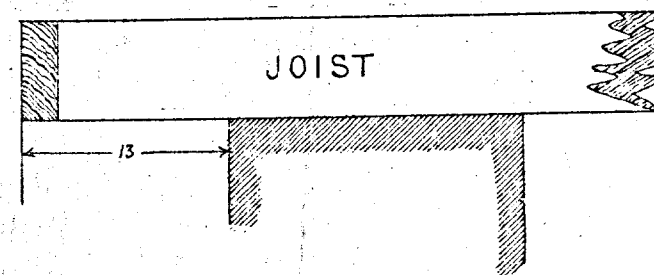
Provide and dress two lines No. 4 stones 1' 6" x 1' 6" x 6" with mortice holes 2" square and 2" deep to receive the verandah posts.

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

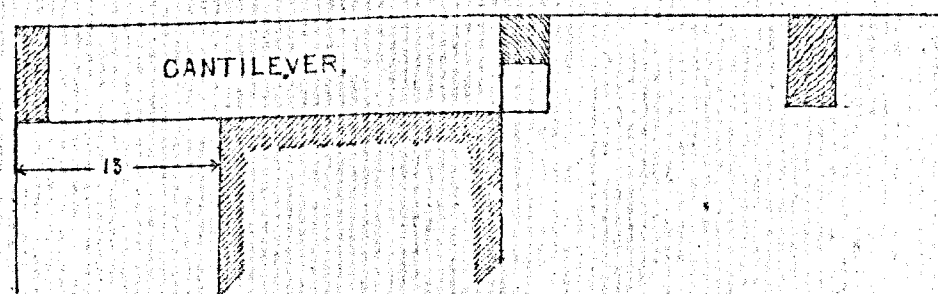
CARPENTER.

NOTE.—Vary this clause to suit Registrar's and Sub-Registrar's Offices.—Supply beams ——— x ——— x ——— supply joists ——— x ——— x ——— supply doors, windows and ventilators 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 all joists 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.

TERACE.

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.
<i>Excavation for Foundations.</i>						
		FT. IN.	FT. IN.	FT. IN.		
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 1½	1 6	198	
Cubic feet ...	...	...	...	...	1,056	
<i>Concrete.</i>						
Outer walls	...	99 0	3 6	1 0	347	
Partitions	...	22 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 walls	...	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	
					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.
		FT. IN.	FT. IN.	FT. IN.		
Brickwork in Superstructure.						
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		
Over gable ends	2	33 0	1 6	0 9		
Corbels	12	1 0	0 6	1 6		
Band over verandah roof	1	27 0	0 3	0 9	5	
Deductions.						
Doorways	2	4 0	1 6	8 0	96	
Windows	8	3 6	1 6	5 0	210	
Gable ventilators	8	1 3	1 3	1 6	19	
Archwork as per details	...	...	...	...	94	
					419	
Cubic feet	...	...	...	...	...	2,430
Archwork.						
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 ventilator	2	11 9	1 6	1 0		
Cut-stone work.						
Under posts	4	1 6	1 6	0 6	5	
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	...	...	...	...	43	
Teakwood.						
Clerks' room purlins and ridge	3	14 0	0 5	0 9	23	
Record-room do.	3	11 0	0 5	0 9		
Wall-plates	2	25 6	0 3	0 3		
Rafters	36	19 0	0 3	0 4		
Struts	36	2 6	0 3	0 3		
Uprights (double)	72	3 2	0 3 $\frac{1}{2}$	0 1 $\frac{1}{2}$	8	
Eaves board	2	27 0	0 5 $\frac{1}{2}$	0 5	1	
Verandah posts	4	6 6	0 5	0 5	4	
Do. breastsummers	3	9 1 $\frac{1}{2}$	0 5	0 7 $\frac{1}{2}$	7	
Do. brackets	6	1 1	0 3	1 1	2	
Do. rafters	19	9 1 $\frac{1}{2}$	0 3	0 4	14	
Do. wall-plates	1	27 0	0 3	0 5	3	
Do. eave board	1	27 0	0 3 $\frac{1}{2}$	0 5	1	
Cubic feet	...	...	...	...	129	
Wrought-iron work.						
$\frac{1}{2}$ " diameter bolts to secure verandah wall-plate	6	1 9 = 10 6 ×		1 47 =	15 43	
$\frac{3}{4}$ " hex. nuts and bolt heads.	6	...	...	43 =	2 58	
3" × 3" × $\frac{1}{2}$ " washers for do.	6	...	...	31 =	1 86	
lb.	...	...	...	...	19 87	
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 $\frac{3}{4}$ " square iron bars for Record-room	4	3 6	...	5 0	70	Do.
Glazed ventilators in gables	8	1 3	...	1 3	12 $\frac{1}{2}$	Do.
<i>Tiled roofing.</i>						
Over rooms	...	26 9	...	39 0	1,043	
Do. verandah	...	27 0	...	9 1 $\frac{1}{2}$	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	
					696	
Deduct stones under posts	4	1 6	...	1 6	9	
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 4 $\frac{1}{2}$	286	
Superstructure	...	105 0	...	12 0	1,260	
Gables	2	27 0	...	5 2	279	
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	408
Square feet	...	...	...	...	...	3,946
Squares	...	...	...	...	...	39-46
<i>Wooden Railing.</i>						
For Clerks' room ... Lineal feet.	...	...	...	...	12	...

1665

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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 ...	...	...	...	...	13	
Struts ...	36	2 6	...	1 0	90	
Uprights ...	72	3 0	...	0 8 1	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	
Purlings 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 1/2	...	0 11	159	
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...	...	"	...
537 "	Concrete ...	...	100 C. feet.	...
1,135 "	Brickwork in foundations ...	...	"	...
599 "	Do. in basement ...	...	"	...
2,430 "	Do. in superstructure ...	...	"	...
94 "	Archwork ...	...	"	...
43 "	Cut-stone work ...	...	C. foot.	...
129 "	Teakwood wrought and put up ...	...	"	...
20 lb.	Wrought-iron work ...	...	lb.	...
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 ...	...	"	...
12 1/2 "	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 87 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>						
Footing 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 0	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	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	...	...	...	...	103	
<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 9	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 1½	0 3½	14	
Eaves board	2	45 9	0 3½	0 6	3	
Verandah posts	4	0 6	0 6	7 4½	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 3½	0 5	4	
Do. eave board	1	33 0	0 3½	0 6	1	
Cubic feet	...	...	...	...	342	
<i>Wrought iron work.</i>						
¾" diameter 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 for heads	6	...	...	× ·31	= 1·86	
lb.	...	...	...	...	19·87	
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 ...	6	3 6	...	5 0	105	Sq. feet.
Windows with glazed shutters and frames and $\frac{3}{4}$ " square iron bars.	6	3 6	...	5 0	105	Sq. feet.
For record-room ...	...	...	...	...	...	...
Glazed ventilators with frames.	4	3 6	...	2 3	31½	
At sides ...	8	1 3	...	1 3	12½	
At gables ...	...	...	...	...	44	
Square feet ...	...	...	...	...	...	...
Tiled roofing.	...	...	...	...	...	...
Over rooms ...	...	45 9	...	46 0	2,105	
Over verandah ...	...	33 0	...	10 9	355	
Square feet ...	...	...	...	...	2,460	
Squares ...	...	...	...	...	...	24-60
Flooring with 8-inch square bricks over a levelling course of wall 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 feet ...	...	...	...	...	1,473	
Squares ...	...	...	...	...	...	14-73
Plastering with two coats.	...	...	...	...	...	...
Interior—	...	...	...	...	...	...
Rooms ...	2	100 0	...	14 0	2,800	
Gables ...	4	20 0	...	5 3	630	
Exterior—	...	...	...	...	...	...
Basement all round ...	...	173 3	...	2 4½	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. ...	8	17 0	...	1 6	204	
Do. ...	4	13 6	...	1 6	81	
Ventilator do ...	4	8 0	...	1 6	48	
Deductions—	...	...	...	...	...	...
Doorways ...	2 ×	4 0	...	8 0	123	
Windows ...	2 ×	3 6	...	5 6	462	
Ventilators ...	2 ×	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.
		FT. IN.	FT. IN.	FT. IN.		
Wooden railing.	...	...	...	...	...	...
For Clerks' room ...	...	...	...	...	20	
Painting doors, windows and exposed woodwork with three coats of Carson's oak paint.	...	...	...	...	...	...
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 8½	269	
Eaves board ...	2	45 9	...	0 10½	80	
Verandah posts ...	4	2 0	...	7 4½	59	
Brackets ...	6	1 0	...	1 0	6	
Eave board ...	1	33 0	...	0 10½	29	
Square feet ...	...	...	...	...	1,354	
Squares ...	...	...	...	...	...	13-54
Wood-oiling, three coats.	...	...	...	...	...	...
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 1½	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.	...	Square foot.	...
105 "	Venetian windows with frames ...	...	"	...
105 "	Glazed windows with frames and iron bars for record room ...	...	"	...
44 "	Glazed ventilators ...	...	"	...

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.

Splay.—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.

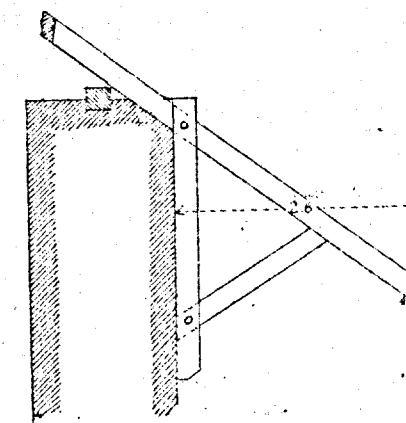
Provide and dress two lines No. 4 stones 1' 6" x 1' 6" x 6" with mortice holes 2" square and 2" deep to receive the verandah posts.

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.



15

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 × — 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.

14TH JANUARY 1882, No. 120 W., PUBLIC WORKS.

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. 1733 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 unadvisable 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.

1665

16

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. 465, 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

1565

17

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.

No. 112 M. D.

Trichinopoly
5 June 1882.
166

- inclos 3.
1. Detailed & abstract estimates
1. Duplicate abstract estimate.

Report by the Superintending Engineer, b' circle on the estimate for constructing a sub. Registrar's office at Noilampatti, in the Madurai District Rs 2,580.

1. Site plan.

The estimate is called for in G.O. No 2313 N of 17 August 1882, and has been prepared in accordance with the standard Design (Sheet No 21) sanctioned in G.O. No 120 W of 14 January 1882.

2. The site selected for the building is approved of by the collector. No compensation is required as the land belongs to Government.

3. The soil of the site was examined and the foundation (one foot concrete & 4 ft masonry) allowed in the estimate is considered ample.

4. Weather boards have been provided to side windows of the sub. Registrar's & clerk's rooms.

5. The rates are fair and the estimate is forwarded for sanction through the Inspector General of Registration.

6. The work can probably

be completed in nine months after
sanction & allotment of funds.

M. M. L. C. 1886
Supd. Engineer, Secy.

J. N. 2135 - 11 June 1884.

At command

Submitted for the sanction of the Govt.

= ment.

W. H. Amstutz

Inspector of Works

To the Chief Secretary
to the Government.

1665

19

Rep (1884) Depo
Office Acam.

To,

The Supr Engineer
b: circle

To,

The Inspector G^d of
Registration.

No 112 M^t

Dated 5: June 1884.

Received G^d from M^t.

Encl: 3.

4247.

Sub-Registrar's office
at Usilampatti in
the Madurai District

Report forwarding
for sanction Scheme
for constructing —

1665

20

Ref 2084-31-1-1-1

CURRENT NO.

Medical (1884) Dept 4

Registration

From the Department of Reg.

Macanand

to the Secretary of the

Government

of Macanand

Order

Received

June 1884.

Dec. 21/85

Enclosures for

No.

1885 Reg. 1-1-1-1

Submitting for the

Execution of the Government

and estimate for constructing

a Sub-Registrar's Office

at Mahanipatti, Madras

District.

Approved

Approved and
transferred to the

Public Works Department

(By order)

Ag. Asst. Secy.

1884

1884

To

The P. W. Dept.

Cy to the Inspector General

of Registration

12084 16-1-82

2313 17-8-83

1885/16-1-85

13/6/84

Public Works Department, 1884-85.

1665-17

Current No. 5185

Letter No. 1317

Dated the 18th June/84

From the Chief Secy to Govt

1885

NOTE OF REMARKS.

1. This estimate provides for constructing a Sub-Registrar's Office at Mahanipatti in the Madurai District, and amounts to Rs. 2,580. The estimate which is accompanied by a site plan, was called for in L.O. No. 2313 of the 17th August/83.

2. The building is to be erected in accordance with the standard design sanctioned in L.O. No. 120 of the 14th June/82. On examination of the estimate shows that extra racks and shelves have been provided for the record room.

3. The estimate has been

W 12

countersigned by the
Inspector General of Registration

30th June/84
B.H.

Building Department
Public Works Department.

PUBLIC WORKS DEPARTMENT.

No 1665 H
PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 3rd July 1884

READ the following

From the Inspector
General of Registration H E No 2135 of 11 June/84

Endorsement of the
Judicial Dept H E No 1517 of 18 " " "

The estimate amount
ing to Rs 2,580, for
constructing a Sub. Re.
gistrar's Office at Usi.
Chempatti in the Madras
District, is sanctioned
for execution when funds
are available -

2 This sanction has
been registered as Pro-
vincial No 81 w J

1884-85, and classified
as Civil Buildings
Original Works

6
Ct.

2-7-84

W.
2-7-84

1874
W.

S. E. VI Circle full. (Ct.)
Dec 1874 with 1/2 of 1875
At Coll
Incl Depts.

Ct.

665

23

5185

Govt. of Madras.

PUBLIC WORKS.

(23)

Est.

Est.

Est.

Co. 3rd Regt. 1885 No. 1665

Sub. registered office

estimate of Rs 2,580
for construction of a

at Edilampatti
in the Madurai District,
Sri Lanka.

60

25

9d 3/7