Archives I 10,006—16-8-77

(1) Number of pages 42.

(2) Date of repair 4.6.87

(3) Initials of the Referencer Lous

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W DEPARTMENT

G.O. No. / B.P. No.	753 W	Press. / Mis.

Dated 8. 3. 1883 ~~197~~.

Trans

Not to be folded or roughly handled

753
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 63.

READ—the following paper :—

No. 805 T.N.

Report to accompany the Estimate, amounting to Rs. 2,070, *for constructing a Sub-Registrar's Office at Sátúr, in the Tinnevelly District.*

Reference.—G.O., Public Works Department, No. 263 W., of 31st January 1881.

As there is no Government building for the accommodation of the Sub-Registrar of Sátúr, an estimate is called for by Government in the above order.

1 Abstract Estimate.
1 Site Plan.

2. The estimate is prepared in accordance with the Standard Design No. 21, and estimate sanctioned in G.O., No. 120 W., of 14th January 1882; and provision is also made in the estimate for weather-boards at the request of the Inspector-General.

3. A sketch showing the proposed site is also forwarded, and no provision has been made in the estimate for compensation, as the site selected for the building is between the road to Madura and the Taluk Cutcherry, and the land to be taken belongs to Government.

4. The rates entered in the estimate are considered fair.

5. The work is recommended for sanction, and could be completed in nine months after funds are allotted.

TRICHINOPOLY,
2nd March 1883.

(Signed) H. R. MEAD, Lieut.-Colonel, R.E.,
Superintending Engineer, Sixth Circle.

No. 64.

ORDER—dated 8th March 1883, No. 753 W., Public Works.

The estimate, amounting to Rs. 2,070, for constructing a Sub-Registrar's Office at Sátúr, in the Tinnevelly Division, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial No. 266 W. of 1882-83 and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, Sixth Circle, with three Enclosures.
" Examiner, Public Works Accounts.
" Inspector-General of Registration.
" Judicial Department.

Exd. A. F. Goodall.

Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated March, 8th.

Read. *Encl.*

G.O., 8th March 1883, No. 753 W.

MARCH.

Nos. 63-64.

Sub-Registrar's Office

An estimate for constructing a — at Sátúr, in the Tinnevelly Division, sanctioned.

753/2

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.

No. 2150.

MEMORANDUM.

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

(By Order.)

(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. 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 Govt., P.W.D.

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

Exd. S. T. Austin.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1882) Madras.

PUBLIC WORKS.

To

SUPERINTENDING ENGINEERS,
&c., &c., &c.

Dated January, 14th.

Dated.

Read. Encl.

G.O., 14th January 1882, No. 190 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.

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 10th September 1881.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Excavation for Foundations.						
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	
Earth-filling in Basement.						
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	
Concrete.						
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	
Brickwork in Foundations.						
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	
Brickwork in Basement.						
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	
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	
						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
Cubic feet	...	...	...	...	...	2,025
Archwork.						
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	
Cut-stone work under Posts and in Steps.						
Under posts	4	1 6	1 6	0 6	5	
Steps	...	39 0	1 3	0 6	24	
Cubic feet ...		...	...	...	29	
Teakwood.						
Clerks and Registrar's room joists ...	17	15 6	0 3	0 7½	41	
Record-room joists	17	12 6	0 3	0 6	}	
Small joists under coping at sides ...	32	2 7½	0 3	0 6	} 39	
Do. do. at angles ...	4	3 6	0 3	0 6	}	
Waling pieces	2	28 0	0 2	0 6	}	
Do.	2	29 6	0 2	0 6	} 10	
Verandah posts	4	0 5	0 5	7 4½	5	
Do. breastsummers	3	9 1½	0 5	0 7½	7	
Do. brackets	6	1 1	0 3	1 1	2	
Do. rafters	19	8 0	0 2½	0 3½	9	
Do. wall-plate	1	27 0	0 3	0 5	3	
Do. eave board	...	27 0	0 4	0 ¾	1	
Cubic feet	...	...	...	...	117	
Wrought-iron work.						
¾″ diameter bolts to secure wall-plates.	6	1 9=	10 6	× 1·47	15·43	
½″ hex. nuts and bolt heads for do.	6	...	...	× ·43	2·58	
3″ × 3″ × ⅛″ washers for do.	6	...	...	× ·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.
		FT. IN.	FT. IN.	FT. IN.		
Windows with glazed shutters and frames with ⅝″ 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	...	8 0	216	Sq. feet.
Squares	...	...	...	...	...	2·16
Flooring with 8-inch square bricks over a levelling course.						
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
Plastering with two coats.						
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 4½	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
Deductions.						
Doorways ... ... 2 ×	2	4 0	...	8 0	128	
Windows ... ... 2 ×	9	3 6	...	5 0	315	
						443
Square feet	...	...	...	...	...	3,602
Squares	...	...	...	...	...	36·02
Plaster cornice exterior.						
Ends of terrace ... Lineal feet.	...	...	...	...	114	
Wooden railing for Clerks' room ... L. ft.	...	...	...	...	12	
Painting doors, windows and exposed woodwork with three coats of Carson's paint.						
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.		
Painting doors, windows and exposed woodwork with three coats of Carson's paint—cont.						
Glazed windows with iron bars ...	2	88 0	...	...	176	
Waling pieces	...	115 0	...	1 2	134	
Verandah posts	4	1 8	...	7 4½	49	
Brackets	6	1 0	...	1 0	6	
Eaves board	...	27 0	...	0 8	18	
Square feet ...	...	...	...	...	785	
Squares ...	...	...	...	...	...	7·85
Wood-oiling three coats.						
Railing	2	12 0	...	3 0	72	
Joists	17	15 6	...	1 6	395	
Do.	17	12 6	...	1 3	266	
Do.	32	2 7½	...	1 2	} 114	
Do.	4	3 6	...	1 2		
Breastsummers	...	27 0	...	1 8	45	
Rafters	19	8 0	...	0 9½	120	
Wall-plate	...	27 0	...	0 8	18	
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.	...	,,	...
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 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.
10·30 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.
		FT. IN.	FT. IN.	FT. IN.		
Excavation for Foundations.						
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	
Earth-filling in Basement.						
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	
Concrete—						
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	
Brickwork in Foundations.						
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	
Brickwork in Basement.						
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.
		FT. IN.	FT. IN.	FT. IN.		
Brickwork in Superstructure.						
Outer walls	...	149 0	1 6	14 0	3,759	
Partition	...	30 0	1 6	14 0		
Corbels	8	1 0	0 6	1 6	6	
Parapet	...	151 0	1 0	0 6	76	
Do.	...	150 0	0 9	1 0	113	
Do.	...	151 0	1 0	0 4	50	
Binding wall	...	31 0	1 6	0 9	35	
						4,039
Deductions—						
Doors	3	4 0	1 6	8 0	96	
Windows	13	3 0	1 6	5 0	341	
Ventilators	7	3 6	1 6	2 3	83	
Archwork as per details	...	...	...	...	59	
						579
Cubic feet ...	...	...	...	...	...	3,460
Archwork.						
Segmental arches over doors	2	5 3	1 6	1 0	59	C. feet.
Do. windows	6	4 9	1 6	1 0		
Cut-stone work.						
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	
Teakwood.						
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		
Do. small under coping	42	2 7½	0 3	0 6	139	
Do. angle do.	4	3 6	0 3	0 6		
Waling pieces	2	35 3	0 2	0 6		
Do.	2	47 0	0 2	0 6	14	
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	9 9	0 3	0 4	19	
Do. wall-plate	...	33 0	0 3½	0 5	4	
Do. eave board	...	33 0	0 4	0 6	1	
Cubic feet ...	...	...	...	...	303	
Wrought-iron work.						
⅝" bolts to secure verandah wall-plate.	6	1 9	=10 6	×1·47	15·43	
⅝" hex. nuts and heads	6	...	...	× ·43	2·58	
3" × 3" ⅛" 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 ¾" 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 4½	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	
						6,668
Deductions—						
Doorways ... ... 2 ×	2	4 0	...	8 0	128	
Windows ... ... 2 ×	13	3 6	...	5 0	455	
Ventilators ... ... 2 ×	7	3 6	...	2 3	110	
						693
Square feet ...	...	...	...	...	...	5,975
Squares ...	...	...	...	...	...	59·75
Plaster cornice at ends of terrace... L. feet.	...	...	...	...	166	
Wooden railing for Clerks' 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 4½	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-rilling, 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 7½	...	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 1⅛	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.	...
1,683 „ ...	Brickwork in foundations	...	„	...
862 „ ...	Do. in basement	...	„	...
3,460 „ ...	Do. in superstructure	...	„	...
59 „ ...	Archwork	...	„	...
42 „ ...	Out-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.

953/9

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* 16*th 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 Ruling.—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 hereinafter 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.

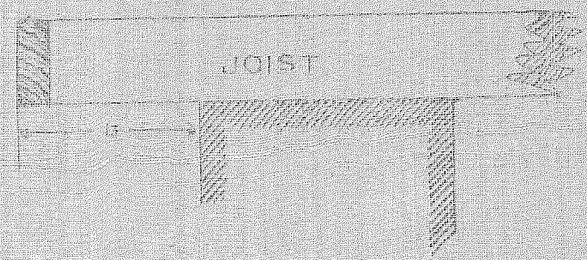
Provide and dress two lines No. 4 stones 1′ 6″ × 1′ 6″ × 6″ with mortice holes 2″ square and 2″ deep to receive the verandah posts.

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

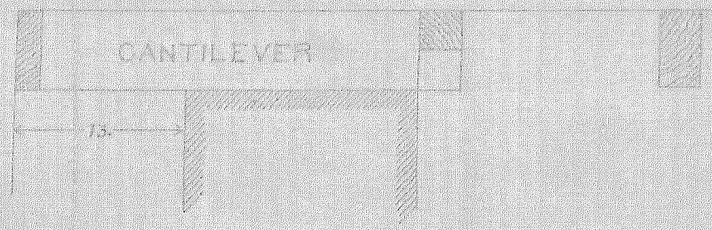
CARPENTER.

NOTE.—*Vary this clause to suit Registrar's and Sub-Registrar's Offices.*—Supply beams ——— × ——— × ——— supply joists ——— × ——— × ——— 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.

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. FT.	IN.	Breadth. FT.	IN.	Depth. FT.	IN.	Contents.	Total.
Excavation for Foundations.									
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
Earth-filling in Basement.									
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
Concrete.									
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
Brickwork in Foundations.									
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
Brickwork in Basement.									
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	
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	
						2,849
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	... 4	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	3	
Rafters	36	19 0	0 3	0 4	57	
Struts	36	2 6	0 3	0 3	6	
Uprights (double)	72	3 2	0 3½	0 1½	8	
Eaves board	2	27 0	0 ¼	0 5	1	
Verandah posts	4	6 6	0 5	0 5	4	
Do. breasts-summers	3	9 1½	0 5	0 7½	7	
Do. brackets	6	1 1	0 3	1 1	2	
Do. rafters	19	9 1½	0 3	0 4	14	
Do. wall-plates	1	27 0	0 3	0 5	3	
Do. eave board	1	27 0	0 ¼	0 5	1	
Cubic feet ...	...	...	...	...	129	
Wrought-iron work.						
¾" diameter bolts to secure verandah wall-plate	6	1 0 = 10 6 ×			1·47=	15·43
¾" hex. nuts and bolt heads ...	6	...		... ×	·43=	2·58
3" × 4" × ½" washers for do. ...	6	...		... ×	·31=	1·86
lb. ...	...	...		...	...	19·87
Say lb. ...	...	...		...	...	...

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 ½" square iron bars for Record-room ...	4	3 6	...	5 0	70	Do.
Glazed ventilators in gables	8	1 3	...	1 3	12½	Do.
Tiled roofing.						
Over rooms		26 9	...	39 0	1,043	
Do. verandah		27 0	...	9 1½	246	
Square feet		...	...	...	1,289	
Squares		...	...	...	...	12·89
Flooring with 8-inch square bricks.						
Clerks' and Registrar's rooms...		24 0	...	12 0	288	
Record-room		24 0	...	9 0	216	
Verandah		27 0	...	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
Plastering with two coats.						
Interior—						
Clerks' and Registrar's room		72 0	...	12 0	864	
Record-room		66 0	...	12 0	792	
Gables	4	24 0	...	4 6	432	
Exterior—						
Basement all round		129 3	...	2 4½	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 6	...	1 6	102	
Do. do.	4	13 6	...	1 6	81	
						4,354
Deductions.						
Doorways ... ... 2 ×	2	4 0	...	8 0	128	
Windows ... ... 2 ×	8	3 6	...	5 0	280	408
Square feet		...	...	...	...	3,946
Squares		...	...	...	...	39·46
Wooden Ceiling.						
For Clerks' room ... Lineal feet		...	...	...	12	...

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 paint.						
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 8½	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
Wood-oiling, three coats.						
Railing	2	12 0	...	3 0	72	
Purlins and ridge	3	14 0	...	1 11	144	
Do.	3	11 0	...	1 11		
Rafters	36	19 6	...	0 11	627	
Breastsummers	...	27 0	...	1 8	45	
Rafters	19	9 1½	...	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 basment	...	,,	...
537 ,,	Concrete	...	100 C. feet.	...
1,135 ,,	Brickwork in foundations	...	,,	...
590 ,,	Do. in basement	...	,,	...
2,450 ,,	Do. in superstructure ...	...	,,	...
94 ,,	Archwork	...	,,	...
43 ,,	Cut-stone work	...	,,	...
129 ,,	Teakwood wrought and put up ...	...	C. feet.	...
20 lb.	Wrought-iron work	...	,,	...
64 Sq. feet.	Venetian and panel doors with frames	...	lb.	...
70 ,,	Venetian windows with frames ...	...	Sq. foot.	...
70 ,,	Glazed windows with frames and iron bars for record-room	...	,,	...
121 ,,	Glazed ventilators in gables ..	...	,,	...
12·89 Squares.	Tiled roofing with flat and pan tiles including teak reepers ...	...	,,	...
			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.
		FT. IN.	FT. IN.	FT. IN.		
Excavation for Foundations.						
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	
Earth-filling in Basement.						
Rooms	...	30 0	40 0	1 6	1,800	
Platform	...	11 6	20 0	1 0	230	
Verandah	...	31 9	7 0	1 6	332	
Cubic feet ...	...	...	...	...	2,362	
Concrete.						
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	
Brickwork in Foundations.						
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	
Brickwork in Basement.						
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	
Brickwork in Superstructure.						
Outer walls	...	149 0	1 6	14 0	} 3,759	
Partition	...	30 0	1 6	... 3		

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Brickwork in Superstructure—cont.						
Gables	2	33 0	1 6	5 3	780	
Over gable end	2	40 0	1 6	0 3	90	
Corbels	12	1 0	0 6	1 6	9	
Band over verandah roof	...	33 0	0 3	0 9	6	
						4,644
Deductions—						
Doors	2	4 0	1 6	6 0	96	
Windows	12	3 6	1 6	5 0	315	
Ventilators	4	3 0	1 6	2 3	47	
Archwork as per details	...	...	...	...	108	
						566
Cubic feet ...	...	...	...	...	...	4,078
Archwork.						
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	
Cut-stone work.						
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.	3	2 0	2 0	0 4		
Cubic feet ...	...	...	...	...	47	
Teakwood.						
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 ¾	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 3¼	0 5	4	
Do. eave board	1	33 0	0 ¾	0 6	1	
Cubic feet ...	...	...	...	...	342	
Wrought-iron work.						
¾″ diameter bolts to secure verandah wall-plate.	6	1 0	=10 6	×1·47	=15·43	
¾″ hex. nuts and heads	6	...	...	× ·43	= 2·58	
3″ × 3″ × ¼″ 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	Sqr. feet.
Venetian windows with frames	6	3 6	...	5 0	105	Sqr. feet.
Windows with glazed shutters and frames and ¾" square iron bars.						
For record-room	6	3 6	...	5 0	105	Sqr. feet.
Glazed ventilators with frames.						
At sides	4	3 6	...	2 3	31½	
At gables	8	1 3	...	1 3	12½	
Square feet ...		...	...	...	44	
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 0	...	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	30 0	...	5 3	630	
Exterior—						
Basement all round		178 8	...	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 ×	2	4 0	...	8 0	128	
Windows ... ... 2 ×	12	3 6	...	5 6	462	
Ventilators ... ... 2 ×	4	3 6	...	2 3	63	
					653	
Square feet ...	...	...	...	...	6,354	
Squares ...	...	...	...	...	...	63·54

753
14

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Wooden railing.						
For Clerks' room ... ... Lineal feet	...	...	...	...	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 foundations	...	1,000 C. feet.	...
2,365 „	Earth-filling in basement	...	„	...
758 „	Concrete	...	100 „	...
1,633 „	Brickwork in foundations	...	„	...
862 „	Do. in basement	...	„	...
4,078 „	Do. in superstructure	...	„	...
108 „	Archwork	...	„	...
47 „	Out-stone work	...	C. foot.	...
242 „	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 ...	...	„	...
107 „	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 reepers.	...	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.

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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 16*th 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 hereinafter 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 thicknesses 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.

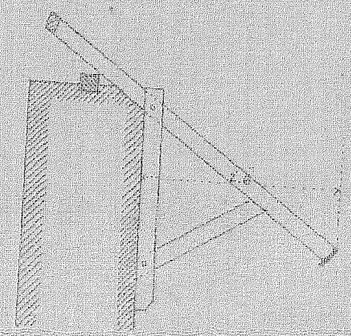
Provide and dress two lines No. 4 stones 1′ 6″ × 1′ 6″ × 6″ with mortice holes 2″ square and 2″ deep to receive the verandah posts.

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 ——— × ——— × ——— supply rafters ——— × ——— × ——— 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 × ——— 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.

Public Works Department, 1882-83.

153/16

Current No. 1915

Letter No. 805 T.N.

Dated the 2nd March/83

From the Supdg. Engr. Trichinopoly Circle

Note of Remarks.

1. This estimate provides for the construction of a Sub-registrar's office at Satur and amounts to Rs. 2070.

2. The estimate corresponds with the standard. (Sanctioned in G.O. No. 209 of the 14/1/82) in all items except provision for two weather boards at Rs 20.

3. The estimate is Countersigned by the Inspector General of Registration.

5th March/83

B/S

C. No. 1915

P. W. Secretariat.

753/17

Note by Budget Section.

Work	Remarks and References.
Construction of Quarters Officer at Batticaloa in the Jaffna Division	

Fund Provincial

Service Head Civil Building

Departmental Head Original Works

Amount of Estimate ... ... Rs. 2070

Expenditure in previous year ... ... „ „

Allotment in current year ... ... „ „

Balance required to complete ... ... „ 2070

Total Rs...

Note of available funds.

Funds to be provided on Architecture from the Revenue for 1883-84 for Magistrate Office. 2070

Budget Clerk.

Note by Budget Section.

No 805 T.W. 15

18

Enclos: 2
1 abstract
Estimates
1 Site plan

Report to accompany the Estimate amounting to Rs 2070 for constructing a Sub-Registrar's office at Satna in the Jhansi Dist.

Reference:— G.O. No. 283 W of 31st January 1881.

1. As there is no Government building for the accommodation of the Sub-Registrar of Satna, an Estimate is called for by Government in the above order.

2. The Estimate is prepared in accordance with the Standard Design No 21 and Estimate sanctioned in G.O. No 120 W of 14 January 82 and provision is also made in the estimate for water-board at the request of the Inspector General.

3. A sketch showing the proposed site is also forwarded, and no provision has been made in the estimate for compensation as the site selected for the building is between the Road to Madura

Madura and the Talug Cutcherry & the land to the Tanks belongs to Government.

11 The Rates entered in the Estimate are considered fair.

5. The work is recommended for sanction and could be completed in 9 months after funds are allotted.

Executive Engr. [signature illegible] Asst. Engr.
22 March 1883.

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From,

The Supt. Engineer

Circle

To,

The Chief Engineer

P. W. D.

No. 805 T.V.

Dated 2nd March 1883.

Subject 2

Sub-Registrar's office at Salur

Submits for sanction an estimate of Rs. 2070 for constructing a —

Rs. 263. A. 31-1-3
— — 120. A. 14-1-6

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Public Works Department.

Madras, dated the 8th March 83

Read the following

From the S.E. Sixth Circle No. 805 T.V. dated 2 March 83

The estimate amounting to Rs. 2070 for constructing a Sub-Registrar's office at Salur, in the Tumerkotta Division is sanctioned for execution when funds are available.

2. The sanction has been registered as Proc. No. 1 of present month, and classified as Civil Buildings. Original Work.

By Order

Dept. 10/3

S.E. Sixth Circle with 3 enclo.

Sen. Dwg.

Surplus & Regd.

Supt. Dept.

Cabl. of (1882) Mahm.

PUBLIC WORKS.

Dist. of

Rend.

Rend.

Nos.

Sub Registrar's Office

Estimate for Cons-
-tructing a ... at Sale
in the Tenasserim Provn.
Forwarded

to
S/-

Estimate for Cons-