(20)

(1) Number of pages 40

(2) Date of repair 20/7/87

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W DEPARTMENT

G O No. / B P No.	2514(W)	Press / ~~Mis.~~
Dated	7 – 9 – 1883	~~19~~.

Not to be folded or roughly handled

Archives —I 10,006–9 88

2514
1

GOVERNMENT OF MADRAS

PUBLIC WORKS DEPARTMENT

Buildings and Roads
Civil Works

READ—the following letter from J W RUNDALL, Esq, Superintending Engineer Second Circle, to the Inspector-General of Registration, dated Bezvada, 10th August 1883, No 1273 K S —

With reference to your letter, No 3307, dated the 5th December 1882, I have the honor to forward, herewith, for your approval, countersignature, and transmission to Government for sanction, an abstract estimate, amounting to Rs 2,170, for constructing a Sub-Registrar's Office at Gannavaram in the Núzvíd Division

1 Abstract Estimate for Rs 2,170
1 Report

G No 1599

Endorsement on the above.

Submitted for the sanction of the Government

MADRAS
27th August 1883

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

ORDER—dated 7th September 1883, No 2514 W, Public Works

The estimate, amounting to Rs 2,170, for constructing a Sub-Registrar's Office at Gannavaram, in the Kistna Eastern Division, is sanctioned for execution when funds are available

2 This sanction has been registered as Provincial No 113 W of 1883-84 and classified as Original Works, Civil Buildings

(True Extract)

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

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

Fxd A F Goodall
Spare Copies

BUILDINGS AND ROADS
CIVIL WORKS

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated September, 7th.

Read *Enc*

G O, 7th Sept. 1883, No. 2514 W.

SEPTEMBER.

Sub-Registry Office

Estimate for constructing a — at Gunna-varam, in the Kistna Eastern Division, sanctioned

14TH JANUARY 1882, No 120 W, PUBLIC WORKS

2514/2

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 F 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 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

19th September 1881 (Signed) J PENNYCUICK, Major, R E, Deputy Chief Engineer, P W D.

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 870

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

(True Extract)

(Signed) R. DAVIDSON,
Chief Secretary

2574/3

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

BUILDINGS AND ROADS
CIVIL WORKS

Govt. of {1882} Madras.

PUBLIC WORKS.

Dated January, 14*th*

Read *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

2314/4

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
		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 11½	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
Brickwork in Superstructure		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	31	
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 0	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 11½	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 ⅜	1	
Cubic feet					117	
Wrought-iron Work.						
¾" diameter bolts to secure wall-plates	6	1 9=	10 6	× 1 47	15 43	
¾" hex nuts and bolt heads for do.	6			× 43	2 58	
3" × 3" × ⅜" 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

2574/5

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 ⅞" 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	123	
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 Lin 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						
Ruling	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		„	
539 „	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	

2574/16

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
Excavation for Foundations		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	
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 0	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
Brickwork in Superstructure		FT IN	FT IN	FT IN		
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
Deduct on—						
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	
						579
Cubic feet						3,460
Arch work						
Segmental arches over doors	2	5 3	1 6	1 0	59	Cubic 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	1	2 0	2 9	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 ¾	0 6	1	
Cubic feet					303	
Wrought-iron work						
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" 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 and round	.	173 3		2 4½	411	
Superstructure		155 0		14 0	2,170	
Parapet		151 0	.	5 0	755	
Retaining 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 Clerk's room L feet.			.		20	

2824/8

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-oiling, three coats						
Railing	2	20 0	.	3 0	120	
Beams . .	4	23 0		3 8	337	
Joists .	56	12 3		1 3		
Do	28	10 9	.	1 3	1,234	
Do	42	2 7½		1 2		
Do .	4	3 6		1 2	145	
Breastsummers	3	11 0	..	2 0	66	
Rafters	23	9 9		0 11	206	
Wall-plate		33 0		1 1½	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
10 93 Squares	Painting doors, windows, and exposed woodwork with three coats of Carson's oak paint	RS. A P		RS. A P
21 45 „ .	Wood-oiling roof timbers, &c., with 3 coats	.	Square	
	Contingencies at 5 per cent ...	..	„	
	Total			.

MADRAS,
20th December 1881

(Signed) R F CHISHOLM,
Consulting Architect to Government

DEPARTMENT PUBLIC WORKS.

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

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

EXCAVATOR

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

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

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

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

BRICKLAYER

Concrete —Lay over the full breadth of the trenches about nine inches of concrete as 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

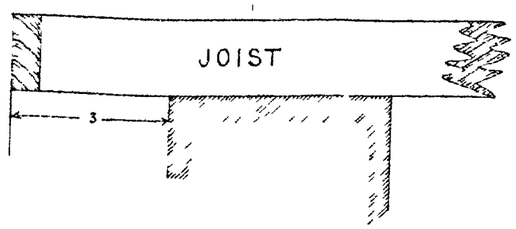
Provide and dress two lines No 4 stones 1′ 6″×1′ 6″×6′ with mortice holes 2″ square and 2″ deep to receive the verandah posts

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

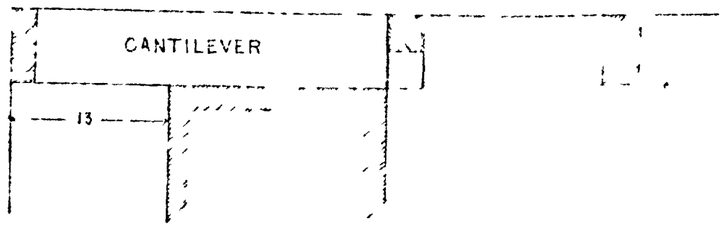
CARPENTER

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 mortised 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

2514/10

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

Detailed Quantities

Description of Work	No	Length	Breadth	Depth	Contents	Total
		FT IN	FT IN	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	
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	79	
Verandah wall		38 0	1 0	2 0	76	
Steps		13 0	3 0	0 6	29	
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
Brickwork in Superstructure		FT IN	FT IN	FT IN		
Outer walls		99 0	1 6	12 0	2,214	
Partition		21 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		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 ¾	0 5	1	
Verandah posts	4	6 6	0 5	0 5	4	
Do breastsummers	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 ¾	0 5	1	
Cubic feet					129	
Wrought-iron work						
¾" diameter bolts to secure verandah wall-plate	6	1 9 = 10 6	×	1 47 =	15 43	
¾" hex nuts and bolt heads	6		×	43 =	2 58	
3" × 3" × ⅛" washers for do	6		×	31 =	1 86	
lb					19 87	
Say lb						20

2574/11

Detailed Quantities—cont

Description of Work	No	Length	Breadth	Depth	Contents	Total
Venetian and panel doors with frames	2	FT IN 4 0	FT IN	FT IN 8 0	64	Sq feet
Venetian windows with frames	4	3 6		5 0	70	Do
Glazed windows with frames and ¾" square iron bars for Record-room	4	3 6		5 0	70	Do
Glazed ventilators in gables	8	1 3		1 3	12½	Do
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 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	
Gables	4	24 0		4 6	432	
Exterior—						
Basement all round		120 3		2 4½	286	
Superstructure		105 0		12 0	1,260	
Gables	2	27 0		5 2	279	
Walls 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
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 Railing						
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	96	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 03
Wood-oiling, three coats						
Railing	2	12 0		3 0	72	
Purlings and ridge	3	[illegible] 0		1 11	144	
Do	3	[illegible] 0		1 11		
Rafters	36	19 0		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 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		,,	
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 feet	
70 ,,	Glazed windows with frames and iron bars for record-room		,,	
12½ ,,	Glazed ventilators in gables		,,	
12 89 Squares	Tiled roofing with flat and pan tiles including teak reepers		,,	
			Square	

2324/12

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	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 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						
Partition		149 0	2 3	2 0	671	
Verandah walls		29 3	1 6	2 0	88	
Steps		47 0	1 0	2 0	94	
Do		15 0	3 0	0 6	23	
Do		13 0	2 0	0 6	13	
		11 0	1 0	0 6	6	
Deduct stone in steps and under posts as per details					895 33	
Cubic feet					862	
Brickwork in Superstructure						
Outer walls		149 0	1 6	14 0	} 3,759	
Partition		30 0	1 6	14 0		

3-524/13

Detailed Quantities—cont

Description of Work	No	Length	Breadth	Depth	Contents	Total
		FT IN	FT IN	FT IN		
Brickwork in Superstructure—cont						
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
Deductions—						
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
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	6	2 0	2 0	0 4		
Cubic feet					47	
Teakwood						
Purlins and ridge	6	22 6	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 ½	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 1	0 6	1	
Cubic feet					312	
Wrought iron work						
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" × ⅛" 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 ⅝" square iron bars						
For record-room	6	3 6		5 0	105	Sq feet.
Glazed ventilators with frames						
At sides ..	4	3 6		2 3	31½	
At gables ..	8	1 3		1 3	12⅓	
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 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	30 0	.	5 3	630	
Exterior—						
Basement all round	.	173 3	.	2 4½	411	
Superstructure	.	155 0	..	14 0	2,170	
Gables						
Wall over do ..	2	33 0	.	5 6	363	
Door jambs ..	2	40 0		3 0	240	
Window do ..	2	20 0	.	1 6	60	
Do	8	17 0		1 6	204	
Ventilator do	4	13 6	.	1 6	81	
Deductions—	4	8 0		1 6	48	
Doorways						
Windows . . 2 ×	2	4 0	.	8 0	128	
Ventilators . 2 ×	12	3 6		5 6	462	
2 ×	4	3 6		2 3	63	
						653
Square feet .	..	. •	..	...	.	6,354
Squares ..	..		...		.	63 54

25/12/14

Detailed Quantities—cont

Description of Work	No	Length.	Bread h.	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 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 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

DEPARTMENT PUBLIC WORKS

2814/15

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 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 thickness of the footing course according to the plan

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

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

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

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

Bond—The bond should be English if possible

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

STONE MASON

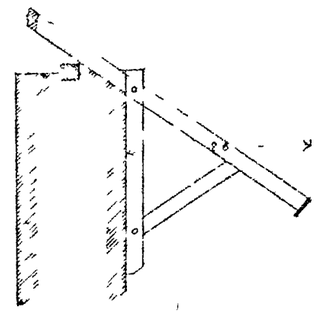
Provide and dress two lines No 4 stones 1′ 6″ × 1′ 6″ × 6″ with mortice holes 2″ square and 2″ deep to receive the verandah posts

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 t les 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 6-inch square t les 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

No 1273 / 81

Superintending Engineer, Nil,
2nd Circle, Camp Bezwada
10th August 1883

2514/82

From

The Superintending Engineer
2nd Circle

To

The Inspector General
of Registration
Madras.

Sir,

With reference to your letter No 3307 dated the 5th December 1882, I have the honor to forward herewith for your approval, countersignature and transmission to Government for sanction, an abstract Estimate amounting to Rs 2,170 for Constructing a Sub Registrar's Office at Gamanaram in the Nuzvid Division

I have the honor to be,
Sir,
Your most obt Servant

J. W. Rundall
Superintending Engineer
2nd Circle.

No. 1599-27 August/83
Madras
Submitted for the sanction
of the Government.
H. W. Garrett
Inspr Genl of Regn
Comptr's No. 7th Sept 83
Public Works Dept

fp. 1120 w 16-1 82

Madras (Civil) Dept
(Office accommodation)

No 2007-24

The Inspector General
of Inspection
Madras

From

The Superintending Engineer
2d Circle

Dated 10th August 1883
Recd 13th do
Read 14 Auditor.
Ex. No —

Copy

1273 A

Summaram in the Legal Form — Sub Registrar's Office — Extract of the Proceedings — Power to sign Agreements and Commencement to Government to sanction an Estimate —

Ans Enclosed

Public Works Department, 1883-84.

2574
/17

Current No 2574

Letter No 1270

Dated the 2nd Aug 1883

From the Supt. 2d Circle

NOTE OF REMARKS.

I have received the abstract and estimate for the construction of a Sub Registry office at Tirumangalam in the Madura District. Amount of estimate is Rs 2,170
2 Nett no exception to the execution of foundation on the foundation line entrusted to Sub Registrar's care

2nd Encl 83
3574.

757/14

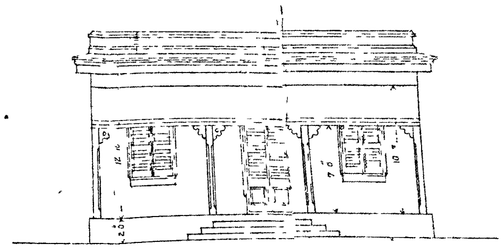
Rs 3/9 Rs 27/9
1251 9

2-614
1818

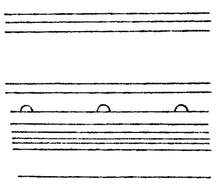
STANDARD PLAN OF A SUBREGISTRARS OFFICE
TERRACED BUILDING

G O Nº 120 W DATED 14TH JANUARY 1882

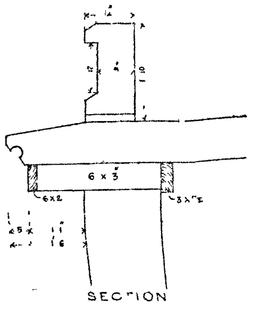
SHEET. Nº 21



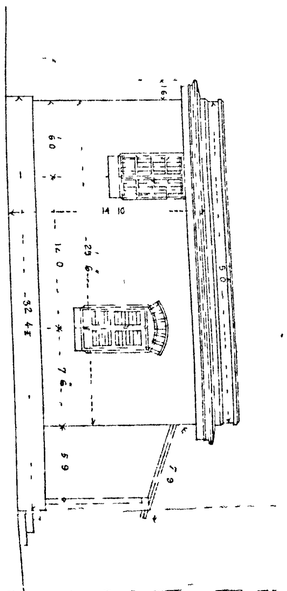
FRONT ELEVATION



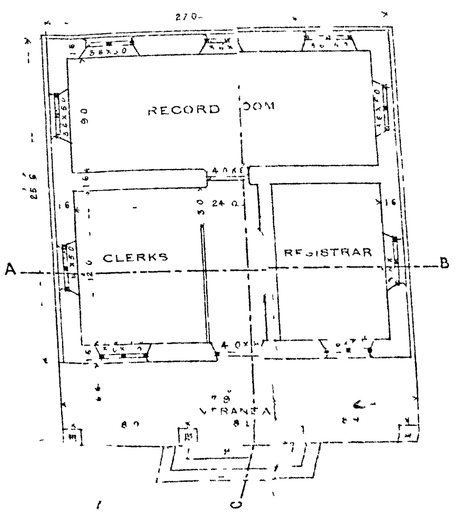
ELEVATION



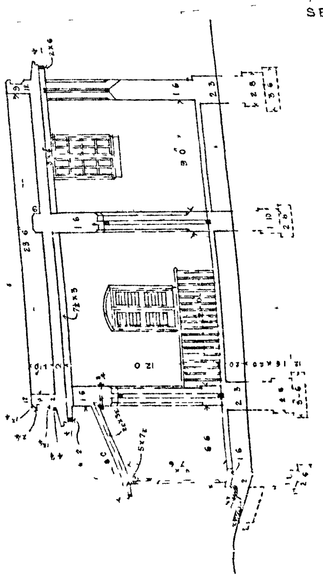
SECTION



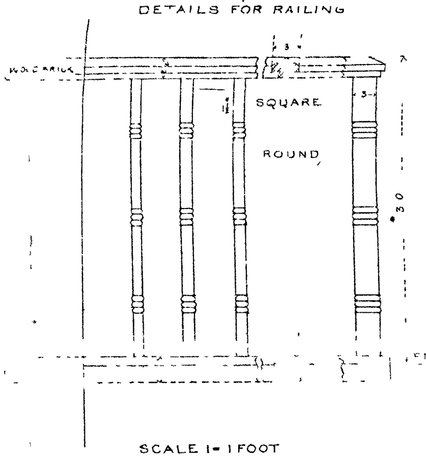
SIDE ELEVATION



PLAN

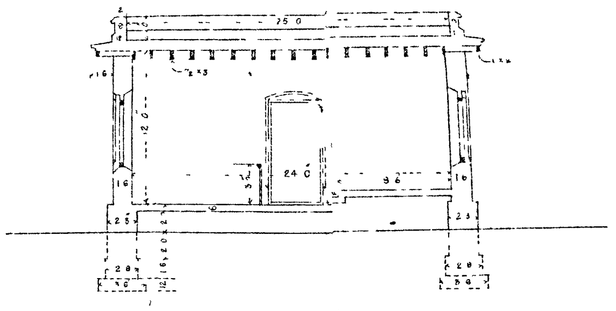


SECTION THRO' C D

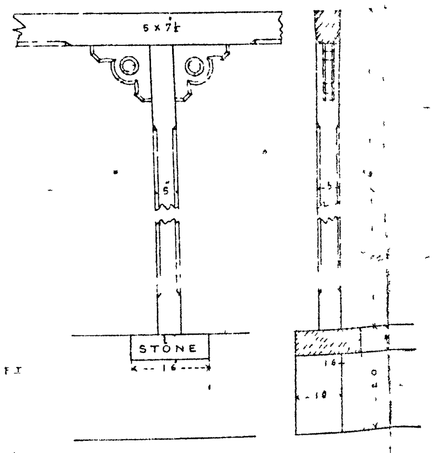


DETAILS FOR RAILING

SCALE 1 = 1 FOOT



SCALE 8 = 1 INCH



DETAILS OF VERANDAH POSTS

ELEVATION

SECTION

TRANSFER BY T. H. AGARAOO AND LITH^D BY H. L. HALLKEY GOVT LITH DEPT CHE & K 1882

W Bs Baldrey
Supt and Manager
Govt Litho Dept Chepauk
Madras January 1882

Signed & T. Fraser Major R E
Offg Controller & Asst to Comr
Madras 1881

Signed C. Harman
Asst Comr of Rev

Signed R Thompson Lt Col R E
Actg Chief Engineer PWD

2576/19 No 2514 W

PUBLIC WORKS DEPARTMENT

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 7th September 1883

READ the following

Letter from the Supt. Engr. Surg. Brgs, Second Circle, } N Public 1293 K 5 9/11th August 1883.

Endorsement by the Secretary Committee of Registration } N Pub. 1549 17/29th August 1883

The estimate amounting to Rs 2190 for building a Sub Registrars' Office at Gannavaram in the Kistna Eastern Division is sanctioned for execution, when funds are available

2 This sanction has been registered in Memorandum No 113 in of 1883 &c. and communicated to Original Works, Civil Department

5.9.83. 3/9

To Supt. Engr. Second Circle with 2 enclosures
" Examiner of Accounts
" Inspector General of Registration
" Judicial Digest

2316/20