(1) Number of pages 48.

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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works DEPARTMENT

G.O. No. / B.P. No.	Press. / Mis.
415 W	
Dated 15 — 2 — 1886	198 .

S.G.T.

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Archives — 1 10,006-9 88

415
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

No. 554 T.N.

REPORT by the Superintending Engineer, VI Circle, on the estimate for constructing a sub-registrar's office at Rádhápuram, in Nángunéri taluk, Tinnevelly district, Rs. 2,330.

The estimate was called for in G.O., No. 1926 W., dated 10th July 1883, but it has been delayed owing to difficulty in the selection of a proper site. The estimate is prepared in accordance with the standard design sheet No. 21 (terraced roof) approved in G.O., No. 120 W., dated 14th January 1882.

2. The site selected is private land, and the owner agrees to part with it for a sum of Rs. 100, as will be seen from the agreement attached. The site has the approval of both the Collector and the registrar. The surface soil is reported to be loam and gravel, which is met with at 4½ feet below it. It is therefore considered that the depth of the foundation allowed in the estimate, viz., 1 foot concrete and 3½ feet masonry, is sufficient.

3. No deviation is made from the standard plan except the substitution of cement flooring for square bricks and imitation venetian for panel venetian door between the registrar's and record rooms. In accordance with the G.O., No. 509 W., dated 15th February 1883, weather-boards are provided for windows of the office-room.

4. Considering the distances from which materials are to be brought, the rates given are fair. The estimate is forwarded to the Inspector-General of Registration for submission to Government for their sanction in the Judicial Department (*vide* paragraph 1168 A of the Public Works Code).

5. The building will be completed within nine months from the date of sanction and allotment of funds.

RAMNAD,
2nd February 1886.

(Signed) H. R. MEAD, Colonel, R.E.,
Superintending Engineer, VI Circle.

G. No. 231.

Submitted for the sanction of the Government.

6th February 1886.

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

To the Chief Secretary to Government.

No. 293 C., Judicial.

Approved, and transferred to the Public Works Department.

(By Order.)

13th February 1886.

(Signed) A. G. CARDEW,
Acting Assistant Secretary.

ORDER—dated 20th February 1886, No. 415 W., Public Works.

The estimate, amounting to Rs. 2,330, for constructing a sub-registrar's office at Rádhápuram, in the Tinnevelly district, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial, No. 212 W. of 1885-86, 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 (* one plan).
" Examiner, Public Works Accounts, with the estimate for note and return to Superintending Engineer, VI Circle.
" Judicial Department.

Exd. E. Fernandez.
Spare Copies

415/2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated February, 20th.

Recd. *Encl.*

G.O., 20th Feb. 1886, No. 415 W.

FEBRUARY.

Sub-Registrar's Office at Radhapuram, Tinnevelly District

Estimate for a —, sanctioned.

415/3.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 213.

READ—the following letter from J. W. RUNDALL, Esq., Superintending Engineer, Second Circle, to the Chief Engineer, Public Works Department, dated Masulipatam, 29th January 1883, No. 1992 K.S. :—

I have the honor to forward, for the sanction of Government, abstract estimates for Sub-Registrars' Offices at Bezváda, Gudiváda, Ponnur, and Narsaraopet. The estimates were returned by the Inspector-General of Registration, who requested that sun-shades over the two windows in the office rooms might be allowed, as experience has shown that they are absolutely necessary.

2. I would, therefore, suggest that a memorandum directing that sun-shades be added to the standard plan should be issued.

3. There has been great difficulty about arranging for a site for the Sub-Registrar's Office at Gudiváda.

4. The only site suitable has to be purchased for Rs. 280, and if not acquired at once may not be secured.

5. I request, therefore, that, if possible, Rs. 280 be allowed in the current year, to enable this site to be purchased at once.

6. The estimates for the offices at the other stations, mentioned in G.O., No. 994 W., dated 22nd April 1882, have been forwarded to the Inspector-General of Registration for countersignature and submission to Government.

7. The delay has been due to correspondence with the Revenue officers regarding the sites.

No. 214.

ORDER—dated 15th February 1883, No. 509 W., Public Works.

The undermentioned estimates for constructing Sub-Registrars' Offices at the following stations in the Kistna District are sanctioned for execution when funds are available :—

Station.	Amount of Estimate.	Register Number.
	Rs.	
Bezváda	1,920	Provincial No. 334 W. of 1882-83.
Gudiváda	2,800	Do. „ 235 W. of „
Ponnur	2,740	Do. „ 236 W. of „
Narsaraopet	2,650	Do. „ 237 W. of „

2. The sum of Rs. 280 is appropriated from the Provincial Reserve for the acquisition of the site at Gudiváda referred to by the Superintending Engineer.

3. These sanctions have been registered as shown above and classified as Civil Buildings, Original Works.

4. There is no objection to the provision of sun-shades or weather-boards over the windows of Registration Offices wherever required.

(True Extract.)

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

To the Superintending Engineer, Second Circle, with 4 Enclosures.
To other Superintending Engineers.
To the Examiner, Public Works Accounts, with 3 duplicate Abstract Estimates.
" Inspector-General of Registration.
" Judicial Department.

Exd. C. Howarth.
Spare Copies

415/4

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated February, 15th.

Read. *Encl.*

G.O., 15th Feb. 1883, No. 509 W.

FEBRUARY.
Nos. 213-214.

Sub-Registrars' Offices.

Estimates for — at certain stations in the Kistna District, sanctioned.

415/5.

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.,
19th September 1881. 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. 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

415/b.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1882} Madras.

PUBLIC WORKS.

To

SUPERINTENDING ENGINEERS,

&c., &c., &c.

Dated January, 14/h.

Issued.

Recd.

Encl.

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

JANUARY.
Nos. 69-70.

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

AIS/1

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 Chief Secretary to Government, dated Ootacamund, 25th June 1883, T. No. 1731 :—

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 a Sub-Registrar's Office on the standard terraced design at Radhapuram, in the Tinnevelly District. The necessity for an office was brought to the notice of the Executive Engineer in May 1881, but no action has been taken in the matter, while Mr. Broadfoot, the Acting Head Assistant Collector, who inspected the office on the 14th May ultimo, remarks :—

"The building is very insufficient. It is dark, and so small that part of the records have to be kept in another place. This is not as it should be. The room forms part of the Sub-Magistrate's Office, who complains that he needs it for his own use. It is indispensable that a proper building should be provided."

No. 1242, Judicial.

Approved and transferred to the Public Works Department.

OOTACAMUND,
4th July 1883.

(Signed) M. HAMMICK,
Acting Assistant Secretary.

ORDER—dated 10th July 1883, No. 1926 W., Public Works.

Communicated to the Superintending Engineer, Sixth Circle, for submission of an estimate for the work.

(True Extract.)

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

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

Exd. A. F. Goodall.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated July, 10th.

Read.

Encl.

G.O., 10th July 1883, No. 1926 W.

JULY.

Sub-Registrar's Office at Radhapuram

The Superintending Engineer, Sixth Circle, to submit an estimate for constructing a —, in the Tinnevelly District.

G15/8.

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.
Excavation for Foundations.		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	
Earth-filling in Basement.						
Rooms		24 0	21 0	1 6	756	
Platforra		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	
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.
		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	
Deductions—						2,402
Doors	2					
Windows	9	4 0	1 6	8 0	96	
Archwork as per details	...	3 6	1 6	5 0	236	
		...	...	...	45	
Cubic feet ...	...	...	...	...	...	377
Archwork.						2,025
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			
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 3	0 6		
Do.	2	29 6	0 2	0 6	} 10	
Verandah posts	4	0 5	0 5	0 6		
Do. breastsummers	3	9 1½	0 5	7 4½	5	
Do. brackets	6	1 1	0 3	0 7½	7	
Do. rafters	19	8 0	0 2½	1 1	2	
Do. wall-plate	1	27 0	0 3	0 3½	9	
Do. eave board	...	27 0	0 4	0 5	3	
Cubic feet ...	...	...	...	0 4	1	
				...	...	117
Wrought-iron work.						
⅜" diameter bolts to secure wall-plates.	6					
⅜" hex. nuts and bolt heads for do.	6	1 9	10 6	× 1·47	15·43	
3" × 3" × ⅛" washers for do.	6	...	...	× ·43	2·58	
lb. ...	...	...	...	× ·31	1·86	
Say lb. ...	...	...	...	...	19·87	
		...	...	...	...	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.

415/9.

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 ¾" 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. FT. IN.	Breadth. FT. IN.	Depth. FT. IN.	Contents.	Total.
Painting doors, windows and exposed woodwork with three coats of Carson's paint—cont.						
Glazed windows with iron bars						
Waling pieces	2	88 0				
Verandah posts	...	115 0	...	...	176	
Brackets	4	1 8	...	1 2	134	
Eaves board	6	1 0	...	7 4½	49	
	...	27 0	...	1 0	6	
Square feet ...	...	...	...	0 8	18	
Squares ...	...	...	...	...	785	
Wood-oiling three coats.						
Railing				...	...	7·85
Joists	2	12 0				
Do.	17	15 6	...	3 0	72	
Do.	17	12 6	...	1 6	395	
Breastsummers	32	2 7½	...	1 3	266	
Rafters	4	3 6	...	1 2	} 114	
Wall-plate	...	27 0	...	1 2		
	19	8 0	...	1 8	45	
	...	27 0	...	0 9½	120	
Square feet ...	...	...	...	0 8	18	
Squares ...	...	...	...	...	1,030	
	...	...	...	...	...	10·30

ABSTRACT.

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

915/10.

ABSTRACT—*cont.*

Quantity.	Item.	Rate. RS. A. P.	Per.	Amount. 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	

415/11

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		
Partition		30 0	1 6	14 0	3,759	
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	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
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 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	
Deduct stones under posts	4	1 6	...	1 6	9	
Square feet ...	...	...	...	...	1,473	
Squares ...	...	...	...	...	...	14·73
Plastering with two coats.						
Interior						
Rooms	...	...	...	...	...	
Exterior	2	100 0	...	14 0	2,800	
Basement all round	...	...	...	...	...	
Superstructure	...	173 3	...	...	...	
Parapet	...	155 0	...	2 4½	411	
Binding wall	...	151 0	...	14 0	2,170	
Door jambs...	...	31 0	...	5 0	755	
Window do.	2	20 0	...	3 0	93	
Do. do.	6	17 0	...	1 6	60	
Ventilator do.	7	13 6	...	1 6	153	
Deductions—	7	8 0	...	1 6	142	
Doorways				1 6	84	
Windows ... ... 2 ×	2	4 0				
Ventilators ... ... 2 ×	13	3 6	...	8 0	128	
... ... 2 ×	7	3 6	...	5 0	455	
			...	2 3	110	
Square feet ...	...	...	...	...	693	
Squares ...	...	...	...	...	...	5,975
Plaster cornice at ends of terrace... L. feet.	...	...	...	...	...	59·75
Wooden railing for Clerks' room... L. feet.	...	...	...	...	166	
	...	...	...	...	20	

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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	} 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 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.
		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.

A15/13

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.

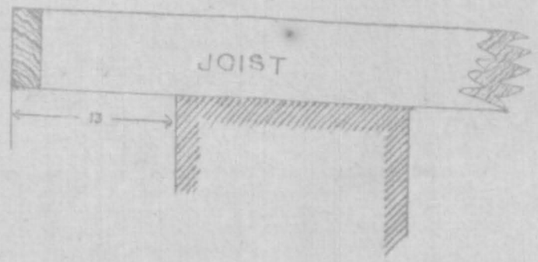
Provide and dress two lines No. 4 stones 1′ 6″×1′ 6″×6″ with mortice holes 2″ square and 2″ deep to receive the verandah posts.

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

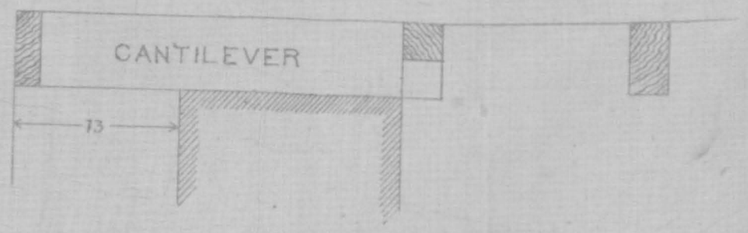
CARPENTER.

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 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.

415/19.

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	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 9	0 6	1 6	9	
Band over verandah roof	1	27 0	0 3	0 9	5	
Deductions.						2,849
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

A 15/15.

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Venetian and panel doors with frames ...	2	4 0	...	8 0	64	Sq. feet.
Venetian windows with frames ...	4	3 6	...	5 0	70	Do.
Glazed windows with frames and ¾" square iron bars for Record-room ...	4	3 6	...	5 0	70	Do.
Glazed ventilators in gables	8	1 3	...	1 3	12¼	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	
Deduct stones under posts	4	1 6	...	1 6	696	
					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	
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	
Deductions.						4,354
Doorways ... ... 2 ×	2	4 0			128	
Windows ... ... 2 ×	8	3 6	...	8 0		
			...	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. FT.	IN.	Breadth. FT.	IN.	Depth. FT.	IN.	Contents.	Total.
Painting doors, windows and exposed woodwork with three coats of Carson's paint.									
Venetian and panel doors	3	64	0						
Do. windows	3	70	0	...		...		192	
Glazed windows with iron bars ...	2	70	0	...		...		210	
Glazed ventilators	...		...	...		...		140	
Struts	36	2	6	...		...		13	
Uprights	72	3	0	...		1	0	90	
Eaves boards	2	27	0	...		0	8½	153	
Verandah posts...	4	6	6	...		0	9	41	
Do. brackets	6	1	0	...		1	8	43	
Do. eave board	...	27	0	...		1	0	6	
				...		0	9	20	
Square feet ...	...	...		...		...		908	
Squares ...	...	...		...		...		...	9·08
Wood-oiling, three coats.									
Railing	2	12	0						
Purlins and ridge	3	14	0	...		3	0	72	
Do.	3	11	0	...		1	11	} 144	
Rafters	36	19	0	...		1	11		
Breastsummers	...	27	0	...		0	11	627	
Rafters	19	9	1½	...		1	8	45	
Wall-plate	...	27	0	...		0	11	159	
				...		0	8	18	
Square feet ...	...	...		...		...		1,065	
Squares ...	...	...		...		...		...	10·65

ABSTRACT.

Quantity.		Item.	Rate. RS.	A.	P.	Per.	Amount. 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	...			,,	...		
599	,,	Do. in basement	...			,,	...		
2,430	,,	Do. in superstructure ...	...			,,	...		
94	,,	Archwork	...			,,	...		
43	,,	Cut-stone work	...			,,	...		
129	,,	Teakwood wrought and put up ...	...			C. foot.	...		
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 ...	...			,,	...		
12½	,,	Glazed ventilators in gables ...	...			,,	...		
12·89	Squares.	Tiled roofing with flat and pan tiles including teak reepers ...	...			Square.	...		

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ABSTRACT—*cont.*

Quantity.		Item.	Rate. RS.	A.	P.	Per.	Amount. 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						
Partition		149 0	2 8	1 6	596	
Verandah walls		28 10	1 10	1 6	79	
Above footing to ground level—						
Outer wall...		46 7	1 6	1 6	105	
Partition		149 0	2 3	2 0	671	
Verandah wall		29 3	1 6	2 0	88	
		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	
					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	14 0		

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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 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 3½	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 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	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 9	...	8 0	270	
Door pieces	2	4 0	...	1 6	12	
Deduct stones under posts	4	1 6	...	1 6	1,482	
					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	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	
Square feet ...	...	...	...	...	...	653
Squares ...	...	...	...	...	...	6,354
						63·54

A15/18

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.	...
2,363	,,	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	...	,,	...
342	,,	Teakwood wrought and put up ...	...	C. foot.	...
20	lbs.	Wrought-iron work	...	,,	...
64	S. feet.	Venetian and panel doors with frames.	...	lb.	...
105	,,	Venetian windows with frames ...	...	Square foot.	...
105	,,	Glazed windows with frames and iron bars for record-room.	...	,,	...
44	,,	Glazed ventilators	...	,,	...

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				
At gables	8	1 3	...	2 3	31½	
			...	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				
Verandah	...	33 9	...	30 0	1,200	
Door pieces	2	4 0	...	8 0	270	
			...	1 6	12	
Deduct stones under posts	4	1 6	...	1 6	1,482	
Square feet ...	...	...	...	...	9	
Squares ...	...	...	...	...	1,473	
Plastering with two coats.						
Interior—						
Rooms	2	100 0				
Gables	4	30 0	...	14 0	2,800	
Exterior—			...	5 3	630	
Basement all round	...	173 3				
Superstructure	...	155 0	...	2 4½	411	
Gables	2	33 0	...	14 0	2,170	
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Do.	4	13 6	...	1 6	204	
Ventilator do.	4	8 0	...	1 6	81	
Deductions—						
Doorways ... ... 2 ×	2	4 0				
Windows ... ... 2 ×	12	3 6	...	8 0	128	
Ventilators ... ... 2 ×	4	3 6	...	5 6	462	
			...	2 3	63	
Square feet ...	...	...	...	...	...	653
Squares ...	...	...	...	...	...	6,354
						63·54

A15/18

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.

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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.

915/89.

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 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.

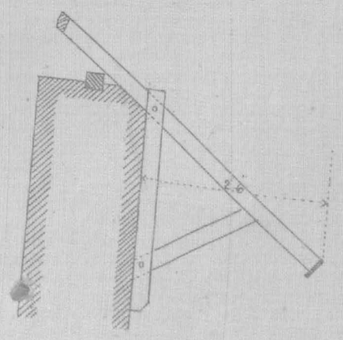
Provide and dress two lines No. 4 stones 1′ 6″ × 1′ 6″ × 6″ with mortice holes 2″ square and 2″ deep to receive the verandah posts.

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.



No 557 T.N.

915/20

Report by the Supt Engineer 6th Circle on the Estimate for constructing a Sub Registrar's Office at Radhapuram in Nangeneri Taluq. Tinnevelly District Rupees 2330.

Encls: 2.
1. Estimate
1. Site Plan.

The Estimate was called for in G.O. No 1926 W dated 10th July 1883 but it has been delayed owing to difficulty in the selection of a proper site.

The Estimate is prepared in accordance with the Standard design Sheet No 21 (Terraced roof) approved in G.O. No 120 W of 14th January 1882.

2. The site selected is private land and the owner agrees to part

with it for a sum of Rs 100 as will be seen from the agreement attached. The site has the approval of both the Collector and the Registrar.

The surface soil is reported to be loam and gravel which is met with at 4½ feet below it; it is therefore considered that the depth of the foundation allowed in the Estimate viz 1 foot concrete and 3½ feet masonry is sufficient.

3. No deviation is made from the standard plan except the substitution of cement flooring for square bricks and imitation venetian for Panel Venetian door between the Registrar's and Record Rooms. In accordance with the G.O. No 509 W of 15th February 1883, 415/37 weather boards are provided for windows of the office rooms.

4. Considering the distances from which materials are to be brought, the rates given are fair. The Estimate is forwarded to the Inspector General of Registration for submission to Government for their sanction in the Judicial Department vide para 116 A of the P. Works Code.

5. The building will be completed within 9 months from the date of sanction and allotment of funds.

Kamaad
21st February 1883

Lt Col RE
Supt Engineer V.D.

Submitted

No. 231. 6. February 1886.

Madras.

Submitted for the sanction of the Government.

W. Hammett
Inspr. Genl. of Regn.

From

The Secy. to Govt.
Chief Secretary
to the Government.
Fort St. George.

To

The Inspector General
of Registration.

No 554 T.R.
Dated 2d.
Rec'd 6 3 February/86.

Report on the Estimate
for constructing a Sub-
Registrar's office at
Radapuram: —

915/22

Jud. E 29-7-85: Ld. No 267.

1926 ✕ 7/10/1/83
1200 ✕ 14/1/82
5040 ✕ 15/2/83

CURRENT NO. 520

Judicial (1886) Deptt
Rect 1210

Registration

From The Inspector General
of Registration
Madras

To The Acting Chief Secretary
to Government
Fort St George

Dated 6th February 1886.
Received 8th
G. No 231.
Enclosures 2 (1 plan)
Ro. apldx

Submitting for the sanction of Government plan and Estimate for constructing a Sub Registrars office at Radhapuram in the Tinnevelly District

CHIEF SECRETARY 8 FEB 86 GOVERNMENT OF MADRAS

15/2/86

A/

E. 425 ✕

B & R Works

PUBLIC WORKS DEPARTMENT.

415/23

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 20 Feby 86

READ the following

From the Inspector General of Registration, No. 231 dated 6th February 1886.

End. No. 1210 in the Judicial Deptt. dt. 15th May 1886.

The estimate amounting to Rs 2330 for constructing a Sub-Registrars office at Radhapuram, in the Tinnevelly District, is sanctioned for execution when funds are available.

2 This sanction has been registered as Provincial No. 217 W of 1885-86, and classified as Civil Buildings, Original Works.

Dr 2/3/86

To The Supdg. Engr. in Cmde. with 4 enclosures (1 ✕ no plan).

Examined P. W. Accounts with the estimate for Rs 2330 and return B.M. & Civil Judicial Department.

20.2.86

16/2/86

Govt. of Madras. 1886

PUBLIC WORKS.

Dated

Read

Read

G.O. No.