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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. H. D. DEPARTMENT

G.O. No.	1587. IV.	Press.
B.P. No.		Mis.
Dated	13.6.1887	188.

Not to be folded or roughly handled

13TH JUNE 1887, No. 1587 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Inspector-General of Registration, Madras, dated Ootacamund, 23rd April 1887, No. 134 M. :—

With reference to G.O., No. 1103 W., of 1st May 1886, I have the honor to forward, for transmission to Government for sanction, a site plan, and an estimate, amounting to Rs. 2,750, for constructing a Sub-registrar's office at Súlúr, in the Palladam taluk of the Coimbatore district, together with a report and a duplicate of the abstract estimate.

2. The estimate has been prepared on the standard plan No. 21 sanctioned in G.O., No. 120 W., of 14th January 1882, with the exception of the foundation and basement, which have been slightly altered to suit the nature of the place and soil, as explained in the accompanying report.

T. No. 873 (a).

Submitted for the sanction of the Government.

2. The necessity for constructing a Sub-registry office at Súlúr was brought to notice in my letter, dated the 18th April 1886, No. 1248, recorded in the proceedings of the Government, Public Works, dated 1st May 1886, No. 1103 W.

OOTACAMUND,
29th April 1887.

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

To the Chief Secretary to the Government.

Approved and transferred to the Public Works Department.

(By Order.)

OOTACAMUND,
26th May 1887.

(Signed) A. G. CARDEW,
Under Secy., J.D.

ORDER—dated 13th June 1887, No. 1587 W., Public Works.

The estimate, amounting to Rs. 2,750, for constructing a Sub-registrar's office at Súlúr, in the Coimbatore district, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial, No. 36 W. of 1887-88, and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, IV Circle, with four enclosures.
" Examiner, Public Works Accounts, with the duplicate abstract estimate.
" Judicial Department.
" Newspapers.

Exd. P. L. Pereira.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1887) Madras.
PUBLIC WORKS.

Dated June, 13th.

Recd.

Enc

G.O., 13th June 1887, No. 1587 W

JUNE.

Sub-Registrar's Office

Estimate of Rs. 2,750 for constructing a
— at Súlúr, in the Coimbatore district,
notified.

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

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

14th January 1882, No. 120 W.

Buildings and Roads.
Civil Works.

Read the following papers :—

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

I HAVE the honor, in terms of G.O., No. 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.

(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
Two Specifications.
Four Detailed Estimates.
detailed quantities for the tiled and
terraced standard designs for Registrar's
and Sub-Registrar's Offices.

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

158/2

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1882) Madras.
PUBLIC WORKS.

Dated January, 14th.

Recd.

Encl.

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

JANUARY.
Nos. 69-70.

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

15TH FEBRUARY 1883, No. 509 W., PUBLIC WORKS.

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 Bezvada, Gudivada, 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 experi-
ence 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-Regis-
trar's Office at Gudivada.

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 regard-
ing 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. RS.	Register Number.
Bezvada	1,920	Provincial No. 334 W. of 1882-83.
Gudivada	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 Gudivada 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.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary 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.

Ed. C. Howarth.
Spare Copies

1587
15/5

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1883) Madras.
PUBLIC WORKS.

Dated February, 15th.

Recd.

Encl.

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

FEBRUARY.

Nos. 213-214.

113-114

Sub-Registrars' Offices.

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

1st MAY 1886, No. 1103 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from G. HAMNETT, Esq., Inspector-General of Registration, to the Chief Secretary to Government, dated Ootacamund, 18th April 1886, No. 1248:—

The registrar of Coimbatore, in his report of inspection of the sub-registry office at Súlur, in the Palladam taluk, on the 31st January last, remarked:—

"The office is held in a rented house. A separate Government building is absolutely necessary. The opening of the office has made registration popular and more convenient to the people."

2. In a further report dated the 16th instant he says:—

"The private house is not suitable for a registration office, and it is difficult to get better buildings at the place."

3. The office was opened on the 1st January 1884, and produced, during the official years 1884-85 and 1885-86, 2,169 registrations and Rs. 3,005. The office is a complete success, and I have the honor to recommend that the sanction of the Government may be obtained for the preparation of plan and estimate for a sub-registry office at Súlur on the revised standard design.

No. 687 C., Judicial.

Approved, and transferred to the Public Works Department.

(By Order.)

OOTACAMUND,
28th April 1886.

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

ORDER—dated 1st May 1886, No. 1103 W., Public Works.

Communicated to the Superintending Engineer, IV Circle, for submission of the requisite estimate.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
Judicial Department.

Exd. E. Fernandez.
Spars Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of 1886 Madras.

PUBLIC WORKS.

Dated May, 1st.

Recd.

Encl.

G.O., 1st May 1886, No. 1103 W.

MAY.

Sub-Registrar's Office

Estimate called for for constructing a
at Súlur, Coimbatore district.

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

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Excavation for Foundations.</i>		FT. IN.	FT. IN.	FT. IN.		
Outer walls	...	99 0	4 6	4 6	2,005	
Partition	...	21 0	3 8	4 6	347	
Verandah walls	...	35 9	3 6	4 6	563	
Steps	...	13 0	3 0	1 0	39	
Cubic feet	...	...	...	...	2,954	
<i>Earth-filling in Basement.</i>						
Rooms	...	24 0	21 0	1 6	756	
Platform	...	12 0	8 6	1 0	102	
Verandah	...	25 9	5 1½	1 6	198	
Cubic feet	...	...	...	...	1,056	
<i>Concrete.</i>						
Outer walls	...	99 0	3 6	1 0	347	
Partition	...	22 0	2 8	1 0	59	
Verandah walls	...	36 9	2 6	1 0	92	
Steps	...	13 0	3 0	1 0	39	
Cubic feet	...	...	...	...	537	
<i>Brickwork in Foundations.</i>						
Footing course—						
Outer walls	...	99 0	2 8	1 6	396	
Partition	...	22 10	1 10	1 6	63	
Verandah wall	...	37 7	1 6	1 6	85	
Above footing to ground level—						
Outer wall	...	99 0	2 3	2 0	445	
Partition	...	23 3	1 6	2 0	70	
Verandah wall	...	38 0	1 0	2 0	76	
Cubic feet	...	...	...	...	1,135	
<i>Brickwork in Basement.</i>						
Outer walls	...	99 0	2 3	2 0	446	
Partition	...	23 3	1 6	2 0	70	
Verandah wall	...	38 0	1 0	2 0	76	
Steps	...	13 0	3 0	0 6	20	
Do.	...	11 0	2 0	0 6	11	
Do.	...	9 0	1 0	0 6	5	
Deduct stone in steps and under posts as per details	...	...	...	...	628	
Cubic feet	...	...	...	...	29	
Cubic feet	...	...	...	...	599	

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Brickwork in Superstructure.</i>						
Outer walls		FT. IN.	FT. IN.	FT. IN.		
Partition						
Parapet		99 0	1 6	12 0	2,214	
Do.		24 0	1 6	12 0	51	
Do.		101 0	1 0	0 6	75	
Binding wall		100 0	0 9	1 0	34	
Do.		101 0	1 0	0 4	28	
Deductions—		25 0	1 6	0 9		2,402
Doors					96	
Windows					236	
Archwork as per details	2	4 0	1 6	8 0	43	377
	9	3 6	1 8			
Cubic feet						2,425
<i>Archwork.</i>						
Segmental arch over doors					16	
Do. do. windows	2	5 3	1 6	1 0	29	
Do.	4	4 9	1 6	1 0		
Cubic feet					45	
<i>Cut-stone work under Posts and in Steps.</i>						
Under posts					5	
Steps	4	1 6	1 6	0 6	24	
Do.		39 0	1 3	0 6		
Cubic feet					29	
<i>Teakwood.</i>						
Clerks and Registrar's room joists	17	15 6	0 3	0 7	41	
Record-room joists	17	12 6	0 3	0 6	39	
Small joists under coping at sides	32	2 7	0 3	0 6		
Do. do. at angles	4	3 6	0 2	0 6	10	
Verandah posts	2	28 0	0 2	0 6	5	
Do. breastsummers	2	29 0	0 5	7 4	7	
Do. brackets	4	0 5	0 5	0 7	2	
Do. rafters	3	9 1	0 3	1 1	9	
Do. wall-plate	6	1 1	0 2	0 3	3	
Do. eave board	19	8 0	0 3	0 5	1	
Do.	1	27 0	0 3	0 5		
Do.		27 0	0 4	0 5		
Cubic feet					117	
<i>Wrought-iron Work.</i>						
1" diameter bolts to secure wall-plates	6	1 9	10 6	x 1 47	15 43	
1" hex. nuts and bolt heads for do.	6			x 43	2 58	
3" x 3" x 1/2" washers for do.	6			x 31	1 86	
lb.					19 87	
Say lb.						20
Venetian and panel doors with frames					64	Sq. feet.
Venetian windows with frames	2	4 0		8 0		
Do.	4	3 6		5 0	70	Do.

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Windows with glazed shutters and frames with 3/4" square iron bars for Record-room.</i>						
Terrace roofing	5	3 6		5 0	88	Sq. feet.
Squares						
Slope terracing for verandah		30 0		28 6	855	Do.
Squares						8 55
Flooring with 8-inch square bricks over a leveling course.		27 0		8 0	216	Sq. feet.
Squares						2 16
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	
Deduct stones under posts	4	1 6		1 6	696	
Square feet					9	
Squares					687	
Plastering with two coats.						6 87
<i>Interior—</i>						
Clerks and Registrar's room		72 0		12 0	864	
Record-room		66 0		12 0	792	
<i>Exterior—</i>						
Basement all round		120 3		2 4	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	
Deductions.						4,045
Doorways	2 x 2	4 0		8 0	128	
Windows	2 x 9	3 6		5 0	315	
Square feet						443
Squares						3,602
Plaster cornice exterior.						36 62
Ends of terrace						
Wooden railing for Clerks' room					114	
Painting doors, windows and exposed woodwork with three coats of Carson's paint.					12	
Venetian and panel doors	3	64 0			192	
Do. windows	3	70 0			210	

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Painting doors, windows and exposed woodwork with three coats of Carson's paint—cont.						
Glazed windows with iron bars ...	2	88 0	...	...	176	
Waling pieces ...	...	115 0	...	1 2	134	
Verandah posts ...	4	1 8	...	7 4½	49	
Brackets ...	6	1 0	...	1 0	6	
Eaves board ...	...	27 0	...	0 8	18	
Square feet ...	...	...	...	...	785	
Squares ...	...	...	...	...	...	7.85
Wood-oiling three coats.						
Railing ...	2	12 0	...	3 0	72	
Joists ...	17	15 6	...	1 6	395	
Do. ...	17	12 6	...	1 3	266	
Do. ...	32	2 7½	...	1 2	114	
Breastsummers ...	4	3 6	...	1 2	45	
Rafters ...	...	27 0	...	1 8	120	
Wall-plate ...	19	8 0	...	0 9½	18	
...	...	27 0	...	0 8	...	
Square feet ...	...	...	...	...	1,030	
Squares ...	...	...	...	...	...	10.30

ABSTRACT.

Quantity.	Item.	Rate.	Per.	Amount.
		RS. A. P.		RS. A. P.
2,954 C. feet.	Excavation for foundations	...	1,000 C. feet.	...
1,056 "	Earth-filling in basement	...	"	...
537 "	Concrete	...	100 "	...
1,135 "	Brickwork in foundations	...	"	...
599 "	Do. in basement	...	"	...
2,025 "	Do. in superstructure	...	"	...
45 "	Archwork	...	"	...
29 "	Cut-stone work	...	C. foot.	...
117 "	Teakwood wrought and put up	...	"	...
20 lb.	Wrought-iron work	...	lb.	...
64 S. feet.	Venetian and panel doors with frames.	...	S. feet.	...
70 "	Venetian windows with frames	...	"	...
88 "	Glazed windows with frames and iron bars for Record-room.	...	"	...
3.55 Squares.	Terrace roofing	...	Square.	...
2.16 "	Slope terracing	...	"	...
6.87 "	Flooring with 8-inch square bricks.	...	"	...
36.02 "	Plastering with two coats...	...	L. foot.	...
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.	...	Square.	...

ABSTRACT—cont.

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

6

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Excavation for Foundations.</i>						
Outer walls ...		FT. IN.	FT. IN.	FT. IN.		
Partition ...						
Verandah walls ...						
Steps ...						
Cubic feet ...						
<i>Earth-filling in Basement.</i>						
Rooms ...						
Platform ...						
Verandah ...						
Cubic feet ...						
<i>Concrete—</i>						
Outer walls ...						
Partition ...						
Verandah walls ...						
Steps ...						
Cubic feet ...						
<i>Brickwork in Foundations.</i>						
Footings course—						
Outer walls ...						
Partition ...						
Verandah walls ...						
Above footing to ground level—						
Outer walls ...						
Partition ...						
Verandah walls ...						
Cubic feet ...						
<i>Brickwork in Basement.</i>						
Outer walls ...						
Partition ...						
Verandah walls ...						
Steps ...						
Do. ...						
Do. ...						
Deduct stone in steps and under posts as per details.						
Cubic feet ...						

7

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Brickwork in Superstructure.</i>						
Outer walls ...		FT. IN.	FT. IN.	FT. IN.		
Partition ...						
Corbels ...						
Parapet ...						
Do. ...						
Do. ...						
Binding wall ...						
Deductions—						
Doors ...						
Windows ...						
Ventilators ...						
Archwork as per details						
Cubic feet ...						
<i>Archwork.</i>						
Segmental arches over doors ...						
Do. windows ...						
<i>Cut-stone work.</i>						
Under posts ...						
Steps ...						
Slabs under beams ...						
Do. ...						
Cubic feet ...						
<i>Teakwood.</i>						
Beams ...						
Joists ...						
Do. ...						
Do. small under coping						
Do. angle do. ...						
Waling pieces ...						
Do. ...						
Verandah posts ...						
Do. breastsummers						
Do. brackets						
Do. rafters						
Do. wall-plate						
Do. eave board						
Cubic feet ...						
<i>Wrought-iron work.</i>						
1/2" bolts to secure verandah wall-plate.						
1/2" hex. nuts and heads						
3" x 3" 1/2" washers						
lb ...						
Say lb. ...						

20

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Venetian and panel doors with frames ...	2	FT. IN.	FT. IN.	FT. IN.	64	Sq. feet.
Venetian windows with frames ...	6	3 6	...	5 0	105	Do.
Windows with glazed shutters and frames and $\frac{3}{4}$ " square iron bars for Record-room.	7	3 6	...	5 0	123	Do.
Glazed ventilators ...	7	3 6	...	2 3	55	Do.
Terrace roofing ...	...	36 0	...	47 6	1,710	Do.
Squares ...	...	...	...	...	...	17-10
Slope terrace for verandah ...	...	33 0	...	9 9	322	Sq. feet.
Squares ...	...	...	...	...	...	3-22
Flooring with 8-inch square bricks.	...	...	...	...	...	...
Rooms ...	...	40 0	...	30 0	1,200	...
Verandah ...	...	33 9	...	8 0	270	...
Door pieces ...	2	4 0	...	1 6	12	...
Deduct stones under posts ...	4	1 6	...	1 6	1,482	...
Square feet ...	...	...	...	...	9	...
Squares ...	...	...	...	...	1,473	...
...	...	...	...	...	...	14-73
Plastering with two coats.	...	...	...	...	...	...
Interior Rooms ...	2	100 0	...	14 0	2,800	...
Exterior ...	...	...	...	...	...	...
Basement all round ...	...	...	...	2 4 $\frac{1}{2}$	411	...
Superstructure ...	...	173 3	...	14 0	2,170	...
Parapet ...	...	155 0	...	5 0	755	...
Binding wall ...	...	151 0	...	3 0	93	...
Door jambs ...	...	31 0	...	1 6	60	...
Window do. ...	2	20 0	...	1 6	153	...
Do. do. ...	6	17 0	...	1 6	142	...
Ventilator do. ...	7	18 6	...	1 6	84	...
Deductions—	7	8 0	...	1 6	...	...
Doorways ...	...	...	...	...	...	6,668
Windows ...	2	4 0	...	8 0	128	...
Ventilators ...	13	3 6	...	5 0	455	...
...	7	3 6	...	2 3	110	...
Square feet ...	...	...	...	...	...	693
Squares ...	...	...	...	...	...	5,975
Plaster cornice at ends of terrace... L. feet.	...	...	...	...	...	59-75
Wooden railing for Clerk's room... L. feet.	...	...	...	...	166	...
...	...	...	...	...	20	...

Detailed Quantities.—cont.

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

ABSTRACT.

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

ABSTRACT—cont.

Quantity.	Item.	Rate.	Per.	Amount.
10-98 Squares.	Painting doors, windows, and exposed woodwork with three coats of Carson's oak paint	RS. A. P.		RS. A. P.
21-45 " ...	Wood-oiling roof timbers, &c., with 3 coats	...	Square.	...
	Contingencies at 5 per cent	...	"	...
	Total ...	...	...	...

MADRAS,
20th December 1881.

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

DEPARTMENT PUBLIC WORKS.

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

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

EXCAVATOR.

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

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

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

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

BRICKLAYER.

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

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

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

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

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

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

Bond.—The bond should be English if possible.

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

STONE MASON.

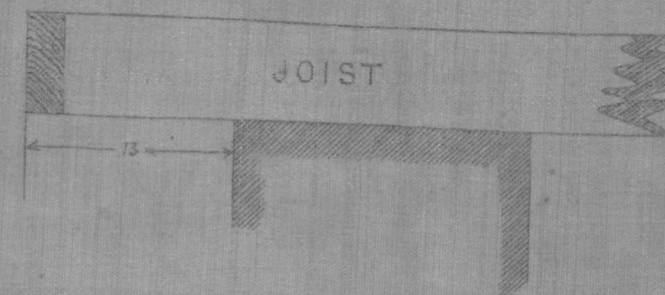
Provide and dress two lines No. 4 stones 1' 6" x 1' 6" x 6" with mortice holes 2" square and 2" deep to receive the verandah posts.

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

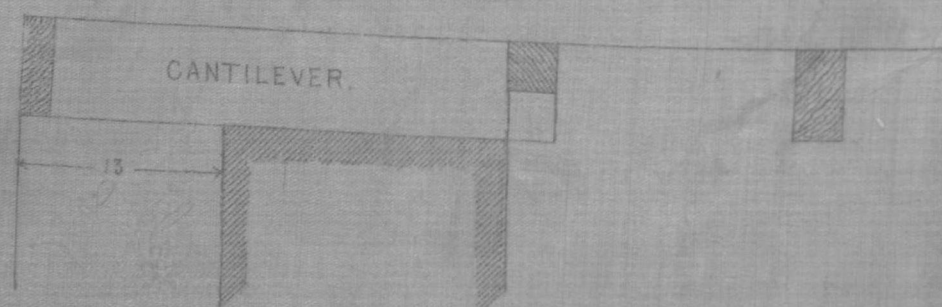
CARPENTER.

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

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



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



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

TERRACE.

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

FLOORING.

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

PLASTERER.

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

MATERIALS.

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

The timber will be well seasoned and free from defects.

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

The sand will be collected at —.

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

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

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Excavation for Foundations.</i>						
		FT. IN.	FT. IN.	FT. IN.		
Outer walls	...	99 0	4 6	4 6	2,005	
Partition	...	21 0	3 8	4 6	347	
Verandah walls	...	35 9	3 6	4 6	568	
Steps	...	13 0	3 0	1 0	39	
Cubic feet	...	...	...	...	2,954	
<i>Earth-filling in Basement.</i>						
Rooms	...	24 0	21 0	1 6	756	
Platform	...	12 0	8 6	1 0	102	
Verandah	...	25 9	5 1½	1 6	198	
Cubic feet	...	...	...	...	1,056	
<i>Concrete.</i>						
Outer walls	...	99 0	3 6	1 0	347	
Partitions	...	22 0	2 8	1 0	59	
Verandah walls	...	36 9	2 6	1 0	92	
Steps	...	13 0	3 0	1 0	39	
Cubic feet	...	...	...	...	537	
<i>Brickwork in Foundations.</i>						
Footings course—						
Outer walls	...	99 0	2 8	1 6	396	
Partition	...	22 10	1 10	1 6	63	
Verandah wall	...	37 7	1 6	1 6	85	
Above footing to ground level—						
Outer walls	...	99 0	2 3	2 0	445	
Partition	...	23 3	1 6	2 0	70	
Verandah wall	...	38 0	1 0	2 0	76	
Cubic feet	...	...	...	...	1,135	
<i>Brickwork in Basement.</i>						
Outer walls	...	99 0	2 3	2 0	446	
Partition	...	23 3	1 6	2 0	70	
Verandah wall	...	38 0	1 0	2 0	76	
Steps	...	13 0	3 0	0 6	20	
Do.	...	11 0	2 0	0 6	11	
Do.	...	9 0	1 0	0 6	5	
Deduct stone in steps and under posts as per details	...	...	...	...	628	
Cubic feet	...	...	...	...	29	
					599	

Detailed Quantities—cont.

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

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Venetian and panel doors with frames ...</i>						
...	2	4 0	...	8 0	64	Sq. feet.
<i>Venetian windows with frames ...</i>						
...	4	3 6	...	5 0	70	Do.
<i>Glazed windows with frames and $\frac{3}{4}$" square iron bars for Record-room ...</i>						
...	4	3 6	...	5 0	70	Do.
<i>Glazed ventilators in gables ...</i>						
...	8	1 3	...	1 3	12 $\frac{1}{2}$	Do.
<i>Tiled roofing.</i>						
Over rooms ...	...	26 9	...	39 0	1,043	
Do. verandah ...	...	27 0	...	9 1 $\frac{1}{2}$	246	
Square feet ...	...	...	...	...	1,289	
Squares ...	...	...	...	...	...	12 89
<i>Flooring with 8-inch square bricks.</i>						
Clerks' and Registrar's rooms ...	...	24 0	...	12 0	288	
Record-room ...	...	24 0	...	9 0	216	
Verandah ...	...	27 9	...	6 6	180	
Door pieces ...	2	4 0	...	1 6	12	
Deduct stones under posts ...	4	1 6	...	1 6	696	
					9	
Square feet ...	...	...	...	...	687	
Squares ...	...	...	...	...	...	6 87
<i>Plastering with two coats.</i>						
<i>Interior—</i>						
Clerks' and Registrar's room ...	...	72 0	...	12 0	864	
Record-room ...	...	66 0	...	12 0	792	
Gables ...	4	24 0	...	4 6	432	
<i>Exterior—</i>						
Basement all round ...	...	120 3	...	2 4 $\frac{1}{2}$	286	
Superstructure ...	...	105 0	...	12 0	1,260	
Gables ...	2	27 0	...	5 2	279	
Wall over do. ...	2	33 0	...	3 0	198	
Door jambs ...	2	20 0	...	1 6	60	
Window do. ...	4	17 0	...	1 6	102	
Do. do. ...	4	13 6	...	1 6	81	
Deductions.						4,354
Doorways ...	2 x	2	4 0	8 0	128	
Windows ...	2 x	8	3 6	5 0	280	
Square feet ...	...	...	...	...	...	408
Squares ...	...	...	...	...	...	3,946
					...	39 46
<i>Wooden Railing.</i>						
For Clerks' room ...	Lineal feet.	...	...	...	12	...

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
<i>Painting doors, windows and exposed woodwork with three coats of Carson's paint.</i>						
Venetian and panel doors ...	3	64 0	...	...	192	
Do. windows ...	3	70 0	...	...	210	
Glazed windows with iron bars ...	2	70 0	...	...	140	
Glazed ventilators ...	...	...	...	...	13	
Struts ...	36	2 6	...	1 0	90	
Uprights ...	72	3 0	...	0 8½	153	
Eaves boards ...	2	27 0	...	0 9	41	
Verandah posts ...	4	6 6	...	1 8	43	
Do. brackets ...	6	1 0	...	1 0	6	
Do. eave board ...	...	27 0	...	0 9	20	
Square feet ...	...	...	...	...	903	
Squares ...	...	...	...	...	...	9·08
<i>Wood-oiling, three coats.</i>						
Railing ...	2	12 0	...	3 0	72	
Purlings and ridge ...	3	14 0	...	1 11	144	
Do. ...	3	11 0	...	1 11		
Rafters ...	36	19 0	...	0 11	627	
Breastsummers ...	...	27 0	...	1 8	45	
Rafters ...	19	9 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...	...	"	...
587 "	Concrete ...	...	100 C. feet.	...
1,135 "	Brickwork in foundations ...	...	"	...
599 "	Do. in basement ...	...	"	...
2,430 "	Do. in superstructure ...	...	"	...
94 "	Archwork ...	...	"	...
43 "	Cut-stone work ...	...	C. foot.	...
129 "	Teakwood wrought and put up ...	...	"	...
20 lb.	Wrought-iron work ...	...	lb.	...
64 Sq. feet.	Venetian and panel doors with frames ...	...	Sq. foot.	...
70 "	Venetian windows with frames ...	...	"	...
70 "	Glazed windows with frames and iron bars for record-room ...	...	"	...
12½ "	Glazed ventilators in gables ...	...	"	...
12·89 Squares.	Tiled roofing with flat and pan tiles including teak reapers ...	...	Square.	...

ABSTRACT—cont.

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. A. P.
6·87 Squares.	Flooring with 8-inch square bricks.	...	Square.	...
39·46 "	Plastering with two coats ...	...	"	...
12 L. feet.	Wooden railing ...	...	L. foot.	...
9·08 Squares.	Painting doors, windows and exposed wood-work with three coats of Carson's oak paint.	...	Square.	...
10·65 "	Wood-oiling roof-timbers, &c, three coats.	...	"	...
	Contingencies at 5 per cent. ...	...	...	...
	Total ...	...	...	...

MADRAS,
20th December 1881.

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

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

Detailed Quantities.

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

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Brickwork in Superstructure—cont.</i>						
Gables	3	33 0	1 6	5 3	780	
Over gable end	2	40 0	1 6	0 9	90	
Corbels	12	1 0	0 6	1 6	9	
Band over verandah roof		33 0	0 3	0 9	6	4,644
<i>Deductions—</i>						
Doors	2	4 0	1 6	8 0	96	
Windows	12	3 6	1 6	5 0	315	
Ventilators	4	3 6	1 6	2 3	47	
Archwork as per details					108	566
Cubic feet						4,078
<i>Archwork.</i>						
Segmental arches over doors	2	5 3	1 6	1 0	16	
Do. do. windows	8	4 9	1 6	1 0	57	
Semicircular arches for gable ventilators.	2	11 9	1 6	1 0	35	
Cubic feet					108	
<i>Cut-stone work.</i>						
Under posts	4	1 6	1 6	0 6	5	
Steps		45 0	1 3	0 6	28	
Slabs under beams	3	3 0	2 0	0 4	14	
Do.	6	2 0	2 0	0 4		
Cubic feet					47	
<i>Teakwood.</i>						
Purlins and ridge	6	22 3	0 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	
<i>Wrought iron work.</i>						
¾" diameter bolts to secure verandah wall-plate.	6	1 9	10 6	× 147	=1543	
¾" hex. nuts and heads	6			× 43	= 258	
¾" × 3" × ½" washers for heads	6			× 31	= 186	
lb.					1987	
Say lb.						20

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Venetian and panel doors with frames ...	2	FT. IN. 4 0	FT. IN. ...	FT. IN. 8 0	64	Sq. feet.
Venetian windows with frames ...	6	3 6	...	5 0	105	Sq. feet.
Windows with glazed shutters and frames and $\frac{3}{4}$ " 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	31 $\frac{1}{2}$	
At gables ...	8	1 3	...	1 3	12 $\frac{1}{2}$	
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	
Square feet ...					9	
Squares ...					1,473	
Plastering with two coats.						14 73
Interior—						
Rooms ...				14 0	2,800	
Gables ...	2	100 0	...	5 3	630	
Exterior—	4	30 0	...			
Basement all round				2 4 $\frac{1}{2}$	411	
Superstructure		173 3	...	14 0	2,170	
Gables ...		155 0	...	5 6	363	
Wall over do.	2	33 0	...	3 0	240	
Door jambs	2	40 0	...	1 6	60	
Window do.	2	20 0	...	1 6	204	
Do.	8	17 0	...	1 6	81	
Ventilator do	4	13 6	...	1 6	48	
Deductions—	4	8 0	...			
Doorways ...	2	4 0	...	8 0	128	
Windows ...	2	3 6	...	5 6	462	
Ventilators ...	2	3 6	...	2 3	63	
Square feet ...					653	
Squares ...					6,354	
					63 54	

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Wooden railing.		FT. IN.	FT. IN.	FT. IN.		
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 8 $\frac{1}{2}$	269	
Eaves board ...	2	45 9	...	0 10 $\frac{1}{2}$	80	
Verandah posts	4	2 0	...	7 4 $\frac{1}{2}$	59	
Brackets ...	6	1 0	...	1 0	6	
Eave board ...	1	33 0	...	0 10 $\frac{1}{2}$	29	
Square feet ...					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 1 $\frac{1}{2}$	37	
Square feet ...					2,366	
Squares ...					...	23 66

ABSTRACT.

Quantity.	Item.	Rate.	Per	Amount.
4,213 C. feet	Excavation for foundation	RS. A. P.		RS. A. P.
2,363 "	Earth-filling in basement		1,000 C. feet.	
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		"	

ABSTRACT.—*cont.*

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

MADRAS,
20th December 1881.

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

DEPARTMENT PUBLIC WORKS.

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

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

EXCAVATOR.

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

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

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

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

BRICKLAYER.

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

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

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

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

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

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

Bond.—The bond should be English if possible.

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

STONE MASON.

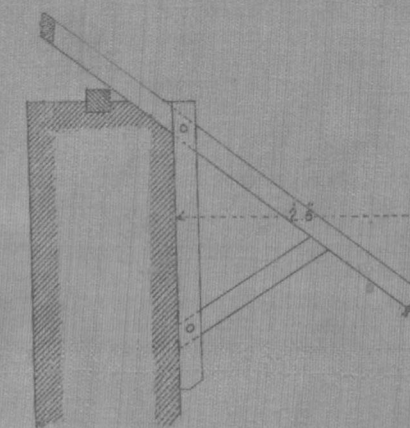
Provide and dress two lines No. 4 stones 1' 6" x 1' 6" x 6" with mortice holes 2" square and 2" deep to receive the verandah posts.

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

CARPENTER.

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

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



ROOFING.

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

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

FLOORING.

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

PLASTERER.

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

MATERIALS.

The bricks will be cast in a mould — inches × — 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.

Current No. 4081

Letter No. 2097

Dated the 26th May 1887

From the Secy to Govt. Judicial Department.

NOTE OF REMARKS.

1. With reference to G.O. No. 1103 W of 1st May 1886, the accompanying site plan & estimate amounting to Rs 2,750 for constructing a Sub-Registrar's Office at Sulur in the Palladam Taluk of the Coimbatore District is submitted.
2. The necessity for constructing a new Sub-Registrar's Office at Sulur is explained in the report of the Registrar printed in the above G.O. calling for this estimate.
3. The Sub-Registrar's Office is to be built in accordance with the standard design No. 21 sanctioned in G.O. No. 120 W of 14th January 1882.
4. The site for the new building was selected in communication with the Collector of the District. This ground being 1587 W private

687 2-13-1

private waste, the collector has obtained the consent of the villagers to give it free of cost. No compensation has therefore been provided for in the estimate.

5. It seems that as hard grass and rock were met below 3 ft from the surface, a depth of foundation of 3 feet only is allowed in the estimate instead of 3½ ft as in the standard design.

The site of the new building being lower than the surface of the neighbouring roads, the height for basement is allowed 3 ft instead of 2 ft as in the standard design.

6. The foundation, basement, and the superstructure are to be built of brick in chunam.

7. All walls in & outside are to be plastered with 2 coats of chunam.

8. Flooring of the rooms, ^{and verandah} is to be of 8" sq. bricks on 4 inches of concrete.

9. Roofing ^{to main building} is to be tiled. And the verandah is to be slope terraced.

10. All wood work is to be of teak.

11. Four teak wood weather board

58/80

boards are provided in the estimate vide G. O. No 509W of 15th February 1883.

12. A report is submitted, and para 8 of the report explains that all the works will be carried out agreeably to instructions given in the standard specification.

13. The rates are fair.

14. Contingencies and petty-supervision are separately charged at 2½ percent.

15. The site plan & the estimate have been countersigned by the Inspector General of Registration and approved in the Judicial Department.

The plan & Estd. may be sanctioned

Sd/
3.6.87.

Wier
6.6.87

B

2007
CURRENT
Supg. Engineer's Office 4th Circle

Camp Ootacamund 23rd April 1887

No. 134
W.

From

E. S. S.

W.

The Superintending Engineer
Fourth Circle

To

The Inspector General
of Registration
Madras

Sir

Enclosures 4

1. Estimate
1 Report
1 Site plan
1 Duplicate
abstract

4

With reference to G. O. No. 1103 W of
1st May, 1886, I have the honor to forward,
for transmission to Government for sanction,
a site plan, and an estimate amounting
to Rs 2750, for constructing a Sub-Registrar's
office at Sulur in the Palladam
Taluk, of the Coimbatore District, to-
gether with a report and a duplicate
of the abstract estimate.

2 The estimate has been prepared
on the standard plan No. 21 sanction-
ed in G. O. No. 120 W of 11th January 1882,
with the exception of the foundations
and

and basement, which have been slightly altered to suit the nature of the place and soil, as explained in the accompanying report.

I have the honor to be
Sir
Your most Obedt. Servant

J. Beatty. C.E.
Supg. Engineer 11th Cuir.

W 2
7. No. 873(a) 29. April 1887
Gt. Command

Submitted for the sanction of the Government.

In reply to the instructions of the
Office of Public Works, dated 18 April 1886. No. 1248, recorded in the
Proceedings of the Government. Public Works.
dated 14 May 1886. No. 1103. W.

W. Hammett

As per sub. of Rep.

To The Chief Secretary to the Government.

J. Beatty. C.E.
Supg. Engineer
12 May 1887

858/22

2155/86.

Refn (1886) Dep.
(Office Accn).



From

Colonel J. Beatty R.E.
Supg. Engineer
1st Circle.

Sur.

P.W.D. 1172/87

Dated 23- } April 1887
Received 27- }

3237

No. 134
No.

Enclosures 4

Sub. Registrar's Office
at Suler-

Forwards for trans-
mission to Government
for sanction plan and
estimate of Rs 2750 for
Constructing a -

1587/83

h
-46

1587
85

TO BE COMMUNICATED
TO NEWSPAPERS

No 81

Govt. of (1887) Madras.

PUBLIC WORKS.

6/10/87

Dated

Recd.

Encl.

G.O., 13 June 1887, No. 1587

Sub-registry office

Estimate of Rs 2,750
for constructing a
at Lulu in the
Mairakottu District
Sanctioned

40
6

M. S. 18/6