(1) பக்கங்களின் எண்ணிக்கை 236

(2) புதுக்கித் திருப்பிய நாள் Aug. 88.

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W.D. துறை

அரசாணை எண். — 3513.W. அச்சகம்
மு. கோப்புத் தாள் எண். பலவகை

நாள் : 5.11.1988 198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,000—15-6-87.

3513/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From W. HUGHES, Esq., Executive Engineer, in charge of VI Circle, to the Inspector-General of Registration, dated Trichinopoly, 4th October 1888, No. 665 T.N.

I have the honor to reforward, for submission to Government, the estimates with two reports for constructing Sub-Registrars' offices at Alvár Tirunagari and Vilatikulam, in the Tinnevelly district, amounting to Rs. 3,900 and 2,970, respectively, which accompanied your letter No. 4198 of 30th September 1888.

2. Since the submission of the above estimates Mr. Rundall, who was specially authorised to sanction estimate up to Rs. 10,000, having left the circle, it is necessary that they should be submitted for sanction of Government, as required in para. 989 of the Public Works Code.

3. The estimates are signed by Mr. Rundall though not formally sanctioned.

No. G.N. 4352.

Submitted for the sanction of the Government.

2. The necessity for constructing these offices was brought to the notice of the Government in my letters recorded in their Proceedings, Public Works No. 1427 W. and No. 1428 W., dated the 25th May 1887.

MADRAS,
6th October 1888.

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

Approved and transferred to the Public Works Department.

(By order.)

(Signed) A. G. CARDEW,
Under-Secretary to Govt.

22nd October 1888.

ORDER—dated 5th November 1888, No. 3513 W., Public Works.

The estimates for constructing Sub-Registrars' offices at the undermentioned stations in the Tinnevelly district are sanctioned for execution when funds are available:—

Provincial.
Civil Buildings.
Original Works.

	Rs.		
Alvár Tirunagari	3,900	No. 107 W. of 1888-89.	
Vilatikulam	2,970	No. 108 W. of	,,

2. The amounts required to meet the compensation for the lands taken up for these buildings were provided in G.O., No. 1955 W., dated 29th June 1888.

(True Extract.)

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

To the Superintending Engineer, VI Circle, with eight enclosures.
" Examiner, Public Works Accounts, with two duplicate abstract estimates.

Exd. J. Henricus.
Spare Copies

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2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1888 Madras.

PUBLIC WORKS.

Dated November, 5th

Read. *Encl.*

G.O., 5th Nov. 1888, No. 3513.W.

NOVEMBER.

Sub-Registrars' Offices at certain Stations in the Tinnevelly District

Estimates for —, sanctioned.

25TH MAY 1887, No. 1427 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

3613/3

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, 10th May 1887 T., No. 1115 :—

In G.O., Judicial, dated the 19th April 1883, sanction was granted for opening a sub-registry office at Alvár Tirunagari, in the district of Tinnevelly, from the 1st June 1883.

2. The registrations, receipts and expenditure since then stand as follow. The office is not only self-supporting, but has contributed a surplus of Rs. 8,594 :—

—	Registration.	Receipts.	Expenditure.
	Rs.	Rs.	Rs.
1883-84	2,869	3,433	1,514
1884-85	3,017	4,365	2,004
1885-86	3,018	4,008	1,901
1886-87	3,059	4,094	1,887
Total ...	11,963	15,900	7,306

3. For want of a public building the office is held in a private native house. On my first inspection of the office on the 2nd August 1884 I remarked :—

"The rented building is in the south street of the town which is not, in my opinion, the best position for an office. The accommodation is sufficient, but not adapted for an office."

On my second inspection on the 24th July 1886 I remarked :—

"The office is held in the same private building in which I found it in 1884, and my remarks regarding a new office hold good."

4. In May 1885 the sub-registrar represented the unsuitability of the building, and he now again urges that a new building should be provided.

5. Under the circumstances, I have the honor to request that the sanction of the Government may be obtained for the preparation of plan and estimate for constructing a sub-registry office at Alvár Tirunagari on the revised tiled standard design.

Approved and transferred to the Public Works Department.

(By Order.)

OOTACAMUND,
23rd May 1887.

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

ORDER—dated 25th May 1887, No. 1427 W., Public Works.

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

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Judicial Department.
Exd. P. L. Pereira.
Spare Copies

3

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated May, 25th.

Recd. *Encl.*

G.O., 25th May 1887, No. 1427 W.

MAY.

Sub-registrar's Office

Estimate called for for constructing a — on the standard design at Alvár Tirunagari, in the Tinnevelly district.

25TH MAY 1887, No. 1428 W., PUBLIC WORKS.

3513/11

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, 6th May 1887, T. No. 1019:—

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, on the revised standard tiled design, for the erection of a Sub-registrar's office at Vilatikulam, in the district of Tinnevelly.

2. When I inspected the sub-district on the 13th July 1884 I remarked that—

"The office is held in a room wedged in between the deputy tahsildar's cutcherry and the sub-jail. The accommodation is insufficient, but it is better than that at Tuticorin, Otapidáram and Sátár. It may be continued at present."

3. The Registrar, in his report of inspection, dated the 9th February 1887, again alluded to the insufficiency of the accommodation, and the sub-registrar writes:—

"The room measures nearly 16 feet by 13 feet. The office furniture (almirahs, chairs, &c.) occupy more than one-half of the area of the room. The remaining half is scarcely sufficient for the establishment, thus practically very little space remains for ingress and egress of the parties. It is highly inconvenient not only for carrying on of the office work, but also for the parties, so much so that two parties cannot stand abreast without elbowing and pressing against each other."

4. Suitable accommodation having been provided since 1884 for the three other stations mentioned in my remark, it is desirable that Vilatikulam should be now provided for.

Approved and transferred to the Public Works Department.

(By Order.)

OOTACAMUND,
23rd May 1887.

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

ORDER—dated 25th May 1887, No. 1428 W., Public Works.

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

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Judicial Department, with three enclosures.

Exd. P. L. Pereira.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated May, 25th.

Recd. *Encl.*

G.O., 25th May 1887, No. 1428 W.

MAY.

Sub-registrar's Office

Estimate called for for constructing a - at Vilatikulam, in the Tinnevelly district.

21ST JULY 1888, No. 2230 W., PUBLIC WORKS.

35/3/5

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From J. W. BRASSINGTON, Esq., Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 8th June 1888, No. 414.

With reference to the orders of Government marginally noted, I have the honor to submit revised standard designs for Sub-Registrars' offices, with tiled roof and terraced roof, with specifications and schedules of quantities.

G.O. No. 879 W., dated 16th March 1888.
" " 1333 W., " 7th May "

No. 334 D.

Forwarded for the approval of Government in the Judicial Department.

OOTACAMUND,
16th June 1888.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

Referred to the Inspector-General of Registration for remarks.

(By Order.)

(Signed) A. G. CARDEW,
Ag. Under-Secretary.

22nd June 1888.

From G. HAMNETT, Esq., Inspector-General of Registration, to the Chief Secretary to Government, dated Madras, 28th June 1888, G. No. 2700.

With reference to endorsement, Judicial, (returned with plans and papers), dated the 22nd June 1888, on a letter from the Consulting Architect to the Government, submitting revised designs for Sub-Registry offices with tiled roof and terraced roof, I have the honor to state that the accommodation provided in the revised design is precisely the same as that provided in the design sanctioned in 1885, and that so far as departmental needs are concerned, I have no remarks to make.

2. As regards artistic appearances, I am no judge, but I should not omit to mention, for the information of the Government, that in the tiled roof design the "dormer" has been omitted, apparently because it was difficult to build, and still more difficult to keep from leaking.

3. The terraced roof design is about the same. It is to be hoped that wherever this design is adopted by the Public Works Department, the terrace will be carefully and substantially built to prevent it from leaking.

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4. The estimate for the two designs does not make provision for any lightning conductors. They may, or may not, be required in some places.

Transferred to the Public Works Department with papers received under endorsement No. 334 D., dated 16th June 1888, returned, and with an intimation that Government in this department approve of the revised type-designs.

(By Order.)

7th July 1888. (Signed) A. G. CARDEW,
Ag. Under-Secretary.

Order—dated 21st July 1888, No. 2230 W., Public Works.

The revised type-designs, with descriptive specifications and estimates of quantities for Sub-Registrars' offices will be circulated to officers of the Public Works Department in supersession of previous type-designs for similar buildings.

2. Lightning conductors are not considered necessary for these buildings.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

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

Exd. F. R. Bantleman.
Spare Copies

3513/b

b

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated July, 21*st*.

Recd. *Encl.*

G.O., 21st July 1888, No. 2230 W.

JULY.

Type-designs

Circulating the revised — with descriptive specifications and estimates of quantities for Sub-Registrars' offices in supersession of previous type-designs.

3813/10

ANNEXURE.

Revised standard design for a Sub-Registrar's office with terraced roofing.

Descriptive Specification.

Foundations.—A depth of 4 feet is provided in the estimate, but this should be settled locally in accordance with the nature of the soil.

Walling.—The walls should be carried up in English bond two bricks thick, verandah wall one brick thick.

Stone-work.—The stone-slabs under verandah posts should measure $10\frac{1}{2}'' \times 10\frac{1}{2}'' \times 6''$ with mortice holes 2" square and 2" deep, into which the posts will be tennoned. The steps may also be of stone-slabs, if easily procurable.

Wood-work.—The verandah posts, bressummers and joists should be of Burma or Indian teakwood, well seasoned.

Doors.—Provide a venetian and panel door for the entrance and a strong battened door for the record room (according to the detail shown in the plan for tiled roofing), both doors to be provided with a good Europe rim lock.

Windows.—Venetian windows to be provided for the office and windows with glazed inner shutters, battened outer shutters and iron bars, $\frac{3}{4}$ inch square, set diagonally, for the record room. The sills of all windows should slope outwards with a small opening under the frame to allow water to flow out. All doors and windows to be provided with strong iron bolts and hinges and hooks for fastening when opened, and the venetians to have wooden buttons for securing when closed.

Sun-shades.—Sun-shades to be provided for each of the end windows of the office.

Roofing.—The roofing of the office and record room will be of "pucka terracing," care being taken that proper slopes are made for drainage towards the weep-holes, which will have shoots made with redwood or teakwood projecting at least 2 feet from the face of the wall. The verandah roof will be of Bengal terrace or of Mangalore tiles, where they are easily obtainable.

Flooring.—The floor may be of square bricks or stone-slabs, if the latter are easily procurable. The record room should be floored with asphalte, $\frac{3}{4}$ inch thick.

Interior and exterior finishing.—The interior of the building should be plastered and rubbed smooth or plastered and whitewashed. Where good bricks or stone is available, the exterior should be pointed, otherwise plastered.

If the soil is damp, river sand to a depth of 1 foot at least should be laid below the flooring, and the interior walls to a depth of about 3 feet all round plastered with Portland cement half an inch thick. The exterior plinth should also be plastered with cement.

Painting.—The roof timbers, sun-shades, doors and windows to be painted with three coats of Carson's oak paint.

Ventilation.—Holes to be left between the joists measuring 4" × 6" sloping outwards and closed with wire-netting of $\frac{3}{4}$ inch mesh to prevent birds and bats entering.

(Signed) J. W. BRASSINGTON,
Consulting Architect to Government.

Detail measurements.

Detail of work.	Number.	Measurements in feet.			Area of contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
Excavation for foundations—		ft. in.	ft. in.	ft. in.		
Outer walls	...	108 0	3 6	4 0	1,855	
Cross wall	1	24 6	3 6	4 0		
Verandah wall	...	35 6	2 4½	4 0	337	
Steps	...	12 0	3 6	1 0	42	
					C. feet.	2,234

Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
		FT. IN.	FT. IN.	FT. IN.		
Earth filling in basement—						
Record room	1	25 6	12 0	1 6	747	
Clerks' do.	1	16 0	12 0	1 6		
Registrar's room	1	9 6	12 0	2 6	285	
Verandah	1	24 6	5 9	1 6	211	
					C. feet.	1,243
Concrete—						
Outer walls						
Cross wall	1	108 0	3 6	1 6	696	
Verandah wall		24 6	3 6	1 6		
Steps		35 6	2 4½	1 6	126	
		12 0	3 6	1 0	42	
					C. feet.	864
Brick-work in foundations and basement—						
Outer walls footing course ...		108 0	2 7½	1 6	522	
Cross wall do. ...		24 5½	2 7½	1 6		
Verandah wall do. ...		36 5½	1 6	1 6	82	
Outer wall above footing course...		108 0	1 10½	3 0	749	
Cross wall do. ...		25 1½	1 10½	3 0		
Verandah wall do. ...		37 1½	0 9	3 0	84	
Steps do.	1	9 6	2 0	0 6	10	
Do. do.	1	11 6	3 6	0 6	17	
					C. feet.	1,468
Brick-work in superstructure—						
Outer walls		108 0	1 6	13 0	2,106	
Cross wall	1	25 6	1 6	13 9	526	
Parapet		109 6	1 1½	1 0	123	
Coping		117 0	0 9	0 9	66	
						2,821
Deductions—						
Doors	2	4 0	1 6	8 0	96	
Windows	8	3 6	1 6	5 0	210	
Arch-work as per details ...		...	...	...	86	
						392
					C. feet.	2,429
Arch-work over doors and windows—						
Over doors	2	5 6	1 6	1 1½	86	C. feet.
Windows	8	5 0	1 6	1 1½		
Stone-work—						
Under posts	4	0 10½	0 10½	0 6	2	C. feet.
Teakwood wrought and put up—						
Joists	42	13 6	0 3	0 7	83	
Verandah posts	4	0 6	0 6	7 6	8	
Do. bressummers	1	28 0	0 6	0 6	7	
Do. rafters	22	8 6	0 3	0 4	16	

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Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
		FT. IN.	FT. IN.	FT. IN.		
Teakwood wrought and put up—*cont.*						
Verandah pieces at ends	2	7 0	0 3	0 4	1	
Do. planks at ends ...	2	7 0	0 1	1 6	2	
Railing in clerks' room—						
Hand rail	1	9 6	0 3	0 2½	1	
Bottom piece	1	9 6	0 3	0 2½		
Uprights	17	3 0	0 1½	0 1½	1	
Do. at end	1	3 6	0 3	0 3		
					C. feet.	119
Venetian and panel door with frames, &c., complete	1	4 0	...	8 0	32	S. feet.
Batten door with frames complete ...	1	4 0	...	8 0	32	S. feet.
Venetian windows with frames complete—						
For office	2	3 6	...	5 0	35	S. feet.
Venetian windows with frames and glazed inner shutters complete ...	2	3 6	...	5 0	35	S. feet.
Batten windows with frames, iron bars ⅝″ square and inner glazed shutters complete—						
For record room	4	3 6	...	5 0	70	S. feet.
Galvanised iron wire-netting to cover holes between joists...	40	0 6	...	0 8	13	S. feet.
Sun-shades complete	2 in number.					
Terrace roofing—						
For office and record room ...	1	27 0	...	27 0	729	S. feet.
					Squares.	7·29
Bengal terrace—						
For verandah	1	27 6	...	8 0	220	S. feet.
					Squares.	2·20
Plastering with chunam interior walls—						
Office and record room	2	75 0	...	9 0	1,350	
Door jambs	2	14 0	...	1 6	42	
Window jambs	8	17 0	...	1 6	204	
Top of parapet	...	109 0	...	1 3	136	
Inside of parapet	...	104 0	...	1 0	104	
						1,836
Deductions—						
Doors	3	4 0	...	5 0	60	
Windows	8	3 6	...	5 0	140	
						200
					S. feet.	1,636
					Squares.	16·36
Plastering with Portland cement ½ an inch thick—						
Office and record room	2	75 0	...	3 0	450	
Plinth exterior	...	128 0	...	2 3	288	

Detail measurements—*cont.*

Detail of work.	Number	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
		Ft. in.	Ft. in.	Ft. in.		
Plastering with Portland cement ½ an inch thick—*cont.*						
Sides of steps	2	2 0	...	1 6	6	
Door jambs	2	6 0	...	1 6	18	762
Deduct—						
Doors	3	4 0	...	3 0	...	36
					S. feet.	726
					Squares.	7·26
Pointing exterior—						
Walls	...	114 0	...	15 6	...	1,767
Deduct—						
Door	1	4 0	...	8 0	32	
Windows	8	3 6	...	5 0	140	172
					S. feet.	1,595
					Squares.	15·95
Flooring with 8 inches square bricks—						
Office	1	25 6	...	12 0	306	
Verandah	1	4 0	...	1 6	6	
Steps	1	26 0	...	6 6	169	
	1	11 6	...	3 0	35	
					S. feet.	516
					Squares.	5·16
Flooring with asphalte ½ inch thick over a bed of concrete 4 inches thick—						
Record room						
Door piece	1	25 6	...	12 0	306	
... ...	1	4 0	...	1 0	4	
					S. feet.	310
					Squares.	3·10
Painting with three coats—						
Joists	42	13 6	...	1 5	803	
Verandah posts	4	2 0	...	7 6	60	
Bressummers	1	27 6	...	2 0	55	
Rafters	22	18 6	...	1 3	234	
Planking at ends	2	7 0	...	3 0	42	
Railing	1	18 0	...	3 0	54	
Venetian and panel door ...	3	4 0	...	8 0	96	
Batten door	2	4 0	...	8 0	64	
Venetian windows ... 4 ×	2	3 6	...	5 0	140	
Do. with glazed shutters 5 ×	2	3 6	...	5 0	175	
Batten windows with glazed shutters and iron bars ... 4 ×	4	3 6	...	5 0	280	
Sun-shades	4	5 0	...	5 0	100	
Do.	2	2 0	...	2 0	8	
					S. feet.	2,111
					Squares.	21·11

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ABSTRACT.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
		Rs.		Rs.	Rs.
2,234 C. feet.	Excavation for foundations ...		1,000 C. ft.		
1,243 „	Earth filling in basement		„		
864 „	Concrete in foundations		100 C. ft.		
1,468 „	Brick-work in foundations and basement		„		
2,429 „	Brick-work in superstructure ...		„		
86 „	Arch-work		„		
2 „	Stone-work under posts		C. ft.		
119 „	Teakwood wrought and put up ...		„		
32 Sq. ft.	Venetian and panel door with frames, hooks and rim lock, complete		Sq. ft.		
32 „	Batten door do do. ...		„		
35 „	Venetian windows with frames, hooks, &c., complete		„		
70 „	Venetian windows with frames and glazed inner shutters, hooks, &c., complete		„		
13 „	Battened windows with frames, iron bars and inner glazed shutters, hooks, &c., complete		„		
2 No.	Galvanised iron wire-netting ...		„		
7·29 Sqs.	Sun-shades		Each.		
2·20 „	Terrace roofing		Square.		
16·36 „	Bengal terrace		„		
7·26 „	Plastering interior walls with two coats of chunam		„		
15·95 „	Plastering with Portland cement ½ an inch thick		Square.		
5·16 „	Pointing exterior walls		„		
3·10 „	Flooring with 8 inches square bricks laid in mortar over a levelling course of wall bricks		„		
21·11 „	Flooring with asphalte ½ inch thick over a bed of concrete 4 inches thick		„		
	Painting with three coats of Carson's paint		„		
	Petty supervision at 2½ per cent.		„		
	Contingencies at 5 per cent. ...		„		
	Grand Total of estimate ...				

Madras,
8th June 1888.

(Signed) J. W. BRASSINGTON,
Consulting Architect to Government.

Revised standard design for a Sub-Registrar's office with tiled roofing.

Descriptive Specification.

Foundations.—A depth of 4 feet is provided in the quantities, but this should be settled locally in accordance with the nature of the soil.

Walling.—The walls should be carried up in English bond 2 bricks thick, verandah wall 1 brick thick.

Stone-work.—The stone-slabs under verandah posts should be 10½" × 10½" × 6" with mortice holes 2 inches square and 2 inches deep into which the posts will be tennoned. The steps may also be of stone-slabs if easily procurable.

Wood-work.—The verandah posts should be of Burma or Indian teakwood, well seasoned. The rafters and other roof timbers may be of approved country wood.

Doors.—Provide a venetian and panel door for the entrance and a strong battened door for the record room, both doors to be provided with a good Europe rim lock.

Windows.—Venetian windows to be provided for the office, and windows with glazed inner shutters, battened outer shutters, and iron bars ¾ inch square set diagonally for the record room. The sills of all windows should slope outwards with a small opening under the frame to allow water to flow out. All doors and windows to be provided with strong iron bolts and hinges and hooks for fastening when opened and the venetians to have wooden buttons for securing when closed.

Sun-shades.—Sun-shades to be provided for each of the end windows of the office.

Roofing.—The roof will be of the usual flat and pan-tiles or Mangalore tiles; in the latter case, the rafters should be spaced about 2′ 6″ apart centre to centre and a ceiling of ½ inch planking provided.

Flooring.—The floor may be of square bricks or stone-slabs if the latter are easily procurable. The record room should be floored with asphalte ¾ inch thick.

Interior and exterior finishing.—The interior of the building should be plastered and rubbed smooth or plastered and whitewashed. Where good bricks or stone is obtained, the exterior should be pointed, otherwise plastered.

If the soil is damp, river sand to a depth of 1 foot at least should be laid below the flooring, and the interior walls to a depth of about 3 feet all round plastered with Portland cement half an inch thick. The exterior plinth should also be plastered with cement.

Painting.—The roof timbers, sun-shades, doors and windows to be painted with three coats of Carson's oak paint.

Ventilation.—For ventilation, the spaces between the rafters measuring about 15″ × 6″ and sloping outwards may be left open and galvanised iron wire-netting of ¾ inch mesh nailed in between to prevent birds and bats entering.

(Signed) J. W. BRASSINGTON,
Consulting Architect to Government.

Detail measurements.

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
		FT. IN.	FT. IN.	FT. IN.		
Excavation for foundations—						
Outer walls						
Cross wall	...	108 0	3 6	4 0	} 1,855	
Verandah wall	1	24 6	3 6	4 0		
Steps	...	35 6	2 4½	4 0	337	
	...	12 0	3 6	1 0	42	
					C. feet.	2,234
Earth filling in basement—						
Record room						
Clerks' room	...	25 6	12 0	1 6	} 747	
Registrar's room	...	16 0	12 0	1 6		
Verandah	...	9 6	12 0	2 6	285	
	...	24 6	5 9	1 6	211	
					C. feet.	1,243
Concrete—						
Outer walls						
Cross wall	...	108 0	3 6	1 6	} 696	
Verandah wall	1	24 6	3 6	1 6		
Steps	...	35 6	2 4½	1 6	126	
	...	12 0	3 6	1 0	42	
					C. feet.	864
Brick-work in foundations to floor level—						
Outer wall footing course	...	108 0	2 7½	1 6	} 522	
Cross do. do.	...	24 5½	2 7½	1 6		
Verandah do. do.	...	36 5½	1 6	1 6	82	
Outer wall above footing course.. ...	...	108 0	1 10½	3 6	} 749	
Cross wall	...	25 1½	1 10½	3 0		

Detail measurements—*cont.*

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Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
		FT. IN.	FT. IN.	FT. IN.		
Brick-work in foundations to floor level—*cont.*						
Verandah wall above	...	37 1½	0 9	3 0	84	
Steps	...	7 6	1 0	0 6	4	
Do.	...	9 6	2 0	0 6	10	
Do.	...	11 6	3 0	0 6	17	
					C. feet.	1,468
Brick-work in superstructure—						
Outer walls	...	108 0	1 6	12 6	2,025	
Cross wall	1	25 6	1 6	21 6	822	
Gables	2	28 6	1 6	4 9	406	
						3,253
Deductions—						
Doors	2	4 0	1 6	8 0	96	
Windows	8	3 6	1 6	5 0	210	
Arch-work as per details	...	...	...	...	86	
						392
					C. feet.	2,861
Arches over doors and windows—						
Over doors	2	5 6	1 6	1 1½	} 86	C. feet.
Windows	8	5 0	1 6	1 1½		
Stone-work—						
Under posts	4	0 10½	0 10½	0 6	2	C. feet.
Wood-work—						
Wall-plates	3	26 0	0 4	0 3	7	
Rafters	36	18 6	0 3	0 7	97	
Railing in clerks' room—						
Hand rail	1	9 6	0 3	0 2½	} 1	
Bottom piece	1	9 6	0 3	0 2½		
Uprights	17	3 0	0 1½	0 1½	} 1	
Do. at end	1	3 6	0 3	0 3		
Verandah—						
Posts	2	0 6	0 6	8 0	} 7	
Do.	2	0 6	0 6	6 6		
Brackets	2	1 0	0 6	0 4	} 1	
Do.	2	0 7½	0 6	0 6		
Bressummers	2	10 0	0 6	0 6	5	
Do. piece at ends ...	2	7 0	0 3	0 4	1	
Valley rafters	2	11 0	0 3	0 5	} 3	
Do. ridge	1	8 6	0 3	0 5		
Rafters	16	9 6	0 2½	0 4	} 15	
Do. small rafters	10	6 0	0 2½	0 4		
		average length.				
Collar piece	1	6 0	0 3	0 3	} 1	
Finial	1	4 6	0 3	0 3		
Barge planks	2	7 0	0 6	0 1	1	
Do.	2	2 6	1 6	0 1	1	
Planking at ends	2	7 0	0 1	2 6	3	
					C. feet.	144
Venetian and panel doors with frames complete	1	4 0	...	8 0	32	Sq. feet.

Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
		ft. in.	ft. in.	ft. in.		
Batten door with frames complete ...	1	4 0	...	8 0	32	Sq. feet.
Venetian windows with frames complete for office	2	3 6	...	5 0	35	Sq. feet.
Venetian windows with glazed inner shutters for office	2	3 6	...	5 0	35	Sq. feet.
Batten windows with frames, iron bars, and inner glazed shutters for record room	4	3 6	...	5 0	70	Sq. feet.
Galvanised iron wire-netting between joists	2 ×	36 0	...	0 8	35	Sq. feet.
Sun-shades	2 in number.					
Tiled roofing—						
Office and record room	2	29 6	...	37 6	2,213	
Verandah	1	22 9	...	8 0	242	
Do.	1	7 6	...	8 0		
					Sq. feet.	2,455
					Squares.	24·55
Plastering—						
Office and record room	2	75 0	...	14 6	2,175	
Door jambs	2	14 0	...	1 6	42	
Window jambs	8	17 0	...	1 6	204	
						2,421
Deductions—						
Doors	3	4 0	...	5 0	60	
Windows	8	3 6	...	5 0	140	
						200
					Sq. feet.	2,221
					Squares.	22·21
Plastering with Portland cement ½ an inch thick—						
Office and record room	2	75 0	...	3 0	450	
Door jambs	2	6 0	...	1 6	18	
Plinth exterior	...	128 0	...	2 3	288	
Sides of steps	2	2 0	...	1 6	6	
					Sq. feet.	762
					Squares.	7·62
Pointing exterior—						
Walls	...	114 0	...	12 0	1,368	
Gables	2	28 6	...	4 9	271	
						1,639
Deduct—						
Door	1	4 0	...	8 0	32	
Windows	8	3 6	...	5 0	140	
						172
					Sq. feet.	1,467
					Squares.	14·67

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Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
		ft. in.	ft. in.	ft. in.		
Flooring with 8 inches square bricks—						
Office	1	25 6	...	12 0	306	
Door piece	1	4 0	...	1 6	6	
Verandah	1	26 0	...	6 6	169	
Steps	1	11 6	...	3 0	35	
					Sq. feet.	516
					Squares.	5·16
Flooring with asphalte ½ inch thick over a bed of concrete 4 inches thick—						
Record room	1	25 6	...	12 0	306	
Door piece	1	4 0	...	1 0	4	
					Sq. feet.	310
					Squares.	3·10
Painting with three coats of Carson's paint—						
Rafters	36	18 6	...	1 5	944	
Railing	...	18 0	...	3 0	54	
Verandah—						
Posts	2	2 0	...	7 6	54	
Do.	2	2 0	...	6 0		
Brackets	2	1 0	...	1 3	3	
Do.	2	1 0	...	1 6	3	
Bressummers	2	10 0	...	2 0	40	
Piece at end	2	7 0	...	0 6	7	
Valley rafter and ridge	...	30 0	...	1 0	30	
Rafters	...	212 0	...	0 10½	186	
Collar piece and finial	...	10 6	...	1 0	11	
Planks	2	7 0	...	1 1	15	
Do.	4	2 6	...	1 6	15	
Do.	4	7 0	...	2 6	70	
Venetian and panel door ...	3	4 0	...	8 0	96	
Batten door	2	4 0	...	8 0	64	
Venetian windows ... 4 ×	2	3 6	...	5 0	140	
Do. with glazed shutters 5 ×	2	3 6	...	5 0	175	
Batten windows with shutters and iron bars ... ... 4 ×	4	3 6	...	5 0	280	
Sun-shades	4	5 0	...	5 0	100	
Do.	4	2 0	...	2 0	16	
					Sq. feet.	2,303
					Squares.	23·03

ABSTRACT.

Quantity.		Description of work.	Rate.	Per	Amount.	Total.
			RS.		RS.	RS.
2,234	C. feet.	Excavation for foundations		1,000 C. feet.		
1,243	"	Earth filling in basement ...		"		
864	"	Concrete in foundations ...		100 C. feet.		
1,468	"	Brick-work in foundations and basement ...		"		
2,861	"	Brick-work in superstructure ...		"		
86	"	Arch-work		"		
2	"	Stone-work under posts ...		C. feet.		
144	"	Teakwood wrought and put up ...		"		
32	Sq. feet.	Venetian and panelled door with frames, hooks and rim lock, complete		Sq. feet.		
32	"	Batten door with frames, hooks, and rim lock, complete ...		"		
35	"	Venetian windows with frames, hooks, &c., complete ...		"		
35	"	Venetian windows with frames and glazed inner shutters, hooks, &c., complete		"		
70	"	Battened windows with frames, iron bars, and inner glazed shutters, hooks, &c., complete ...		"		
35	"	Galvanised iron wire-netting fixed.				
2	No.	Sun-shades		Each.		
24·55	Squares.	Tiled roofing with flat and pan-tiles and teak reepers		Square.		
22·21	"	Plastering interior walls with two coats of chunam		"		
7·62	"	Plastering interior walls with Portland cement ½ an inch thick		"		
14·67	"	Pointing exterior walls ...		"		
5·16	"	Flooring with 8-inch square bricks laid in mortar over a levelling course of wall bricks ...		"		
3·10	"	Flooring with asphalte ¾ inch thick over a bed of concrete 4 inches thick		"		
23·03	"	Painting with three coats of Carson's paint		"		
		Petty supervision at 2½ per cent.		"		
		Contingencies at 5 per cent ...				
		Grand Total of Estimate ...				

MADRAS,
8th June 1888.

(Signed) J. W. BRASSINGTON,
Consulting Architect to Government.

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE.

Trichinopoly 6th October 1888
2/5/4°

1P

38/13
13

No. 665TN

From W. Hughes Esquire
~~The Superintending~~ Executive Engineer,
in charge of 6th Circle.

To

The Inspector General
of Registration
Madras.

Sir,

ENCLOSURES. 6.

2. Estimates with reports.
2. Duplicate abstracts
1. Ground plan.
1. Section.

I have the honor to re-forward for submission to Government the Estimates with 2 reports for constructing Sub Registrar's offices at Alwar Tirunagiri and Vilathikulam in the Tinnevelly District amounting to Rs 3,900 & 2,970 respectively which accompanied your letter No 4198 of 30th September 1888.

2. Since the submission of the above Estimates Mr Rundall, who was specially authorised to sanction Estimate upto Rs 10,000 having left the Circle, it is necessary that they should be submitted for sanc-tion

12

=tion of Government, as required in para 989 of the P. W. Code.

3. The Estimates are signed by Mr Rundall though not formally sanctioned.

I have the honor to be
Sir,
Your most obed^t. Serv^t.

W. Hughes
Executive Engineer
in Ch: of VI Circle

Cm

C No 4350

G. A. 4352 - 6th October 1888.
Madras.

Submitted for the sanction of the Government.

2. The necessity for constructing these offices was brought to the notice of the Government in my letters recorded in their Proceedings Public Works. No 1427. W. and No 1428. W. dated the 25th May 1887.

G. Hammett
Inspr Genl of Regn

To
The Chief Secretary to the Government.

3513/16

44198
T1585/87
T1423/87

Registration Department
P. W. D. 6th CIRCLE.

(Office memorandum)

From Executive
The ~~Superintending~~ Engineer,
in charge 6th Circle.
Trichinopoly

To
The Inspector General
of Registration
Madras

No. 665TN

Dated 4th October 1888
Received 6th

R No. 9096

Enclosure. 6

Reforwarded for submission to Government the Estimates &c for the Construction Sub Registrar's Guard Offices at Alwar Tirunagiri and Vilattikulam in the Tinnevelly District

3513/17

14

G.O. 1428 W d/25.5.87
1427 W d/25.5.87
1955 W d/29.6.88
1132 W d/7.5.88
2230 W d/21.7.88

P.W.C. No 10773
Cur. 4350.

Judicial (1888) Department
"Registration"

From
The Inspector General of Registration Madras.

To. The Chief Secretary to the Government Fort St George

Dated 6th } October 1888.
Received }
No 4352
Enclosures (some)

No.

Submitting for the sanction of the Government estimates for constructing sub registrar's offices at Alwartirunagiri & Velattikulam in the Tinnevelly district.

Recd 22nd October 1888
Approved and transferred to the Public Works Dept
By order
A.G. Cardew
Under Secy

P. 20/10
R. 22/10

Public Works Department.

Current No. 10,773
Letter No. Nil
Dated 22nd October 1888
From the Secy to Govt Judicial Deptt:-

Sanction
26.10.88

NOTE OF REMARKS.

The Estimates under review amounting to Rs 3900 & Rs 2970 provide for constructing Sub Registrar Offices at Alwar Tirunagiri and Valattikulam in the Tinnevelly Dist:-

The type design for Flat roofing circulated with G.O. No 2230 W d/21/7/88 is to be followed in Constructing these buildings.

The rates in the Est: for the Sub Registrar Office at Alwar Tirunagiri are fair those quoted in

The Estimates for the Offices at Valathikulam are in excess of the rates given in the Schedule for the Tinnevelly Dt. for

Concrete – Rs 12 per 100 cft against Rs 11 –

Brick in Mortar – Rs 20 per 100 cft against Rs 17

Archwork – Rs 22 per 100 cft against Rs 20 –

Tiled Roofing – Rs 20 per 100 sq ft – against Rs 17 –

Plastering with Portland Cement – Rs 6-8-0 against Rs 6-0-0 –

Flooring with 8" sq brick – Rs 12 per 100 sq ft against Rs 10 –

Flooring with Asphalte 3/4" thick – Rs 24 per 100 sq ft against Rs 20 –

A saving of Rs 240 will be effected if the schedule rates are adopted. It is however explained that the higher rates quoted is due to the materials having to be brought in from a considerable distance; the rates given may therefore be accepted –

Contingencies and petty supervision are charged for at 2½ per cent each in both Estimates

The Estimates have been countersigned by the Inspector General of Registration and approved by Govt in the Judicial Deptt:–

(initials)
25/10/80

3513/19

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17

FB May 21/10

8918

3513 W d/ 5-XI-88

PUBLIC WORKS DEPARTMENT.

31

A

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

3513/90

READ the following

From the Inspector General of Registration. N. C. No: 4352 d/ 6th October 1888.
Endorsement by the Judicial Department d/ 22nd October 1888.

The estimates for constructing sub-registrars offices at the undermentioned stations in the Tinnevelly District, are sanctioned for execution when funds are available.

Provincial
Civil Buildings
Original Works.

Alwar Tirunagari — Rs. 3,900. No: 107 W of 1888-89.
Vilatikulam ——— - 2,970 No: 108 W of 1888-89.

2. The amounts required to meet the compensation for the lands taken up for these buildings were provided in G. O. No: 1955 W d/ 29th June 1888.

Q 15/11

To The Supdtg. Engr. VI Circle with 8 encls.
" Examiner, P. W. Accts with three duplicate abstract estimates

3513
21



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Govt. of Madras. 1888.

PUBLIC WORKS.



G.O. 5 Nov 1888. No. 3513 W

Sub-Registrar's Offices
at certain Stations
in the Tinnevelly Dt.

Estt. for —, sanctioned.