

- (1) பக்கங்களின் எண்ணிக்கை 36
 (2) புதுக்கித் திருப்பிய நாள் 9/89
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் lyx

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

(41)

PWD துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	<u>1389</u>	அச்சகம் பலவகை
நாள் :	<u>16</u> 5. <u>1989</u>	<u>198</u>

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

16/8/89

16TH SEPTEMBER 1882, No. 2407 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 134.

READ—the following letter from J. C. LARMINIE, Esq., Executive Engineer, in charge First Circle, to the Registrar, Godávári District, dated Dowlaish-weram, August 1882, No. 1236 G.D. :—

I have the honor to forward herewith an estimate, amounting to Rs. 2,400, for constructing a Sub-Registrar's Office at Talapudi, prepared on the standard design communicated with G.O., No. 120 W.,

dated 14th January 1882, together with a site plan, and to request that the same may be transmitted to the Registrar-General for his countersignature and submission to Government for sanction.

2. The following deviation is made in foundations :—The standard estimate provides for one foot concrete foundation, but in the estimate now sent two feet is allowed.

No. 1997.

Endorsement on the above.

Submitted for the sanction of Government.

MADRAS,
2nd September 1882.

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

To the Secretary to Government, Public Works Department.

No. 135.

ORDER—dated 16th September 1882, No. 2407 W., Public Works.

The estimate, amounting to Rs. 2,400, for constructing a Sub-Registrar's Office at Talapudi in the Godávári District is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial No. 103 W. of 1882-83 and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, First Circle, with two enclosures.

„ Examiner, Public Works Accounts.
„ Inspector-General of Registration.
„ Judicial Department.

Exd. S. T. Austin.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1882) Madras.
PUBLIC WORKS.

Dated September, 16th.

Recd.

Encl.

G.O., 16th Sept. 1882, No. 2407 W.

SEPTEMBER.
Nos. 134-135.

Sub-Registrar's Office at
Talapudi in the Godavari
District.

Estimate amounting to Rs. 2,400 for constructing a —, sanctioned for execution when funds are available.

21st APRIL 1883, No. 1202 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from A. SUBRAMIAH, Registrar of Godavari, to the Inspector-General of Registration, Madras, dated Cocanada, 2nd April 1883, No. 23:—

As requested by the Superintending Engineer of the First Circle, in his letter, No. 3172 G.D., dated 28th March 1883, I beg to forward, herewith, two estimates with site plans for constructing Sub-Registrars' Offices at Tanuku * and Bhimavaram † for your countersignature and submission to Government for sanction.

* Rs. 2,415.
† „ 2,540.

T. No. 477.

Endorsement on the above.

Submitted for the sanction of Government.

OOTACAMUND,
8th April 1883.

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

To the Secretary to Government, Public Works Department.

ORDER—dated 21st April 1883, No. 1202 W., Public Works.

The estimates, amounting to Rs. 2,415 and Rs. 2,540, for constructing Sub-Registrars' Offices at Tanuku and Bhimavaram in the Godavari District, are sanctioned for execution when funds are available.

These sanctions have been registered as Provincial Nos. 8 and 9 W. of 1883-84 and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, First Circle, with four Enclosures.

„ Examiner, Public Works Accounts.
„ Inspector-General of Registration.
„ Judicial Department.

Exd. C. Howarth.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1883) Madras.

PUBLIC WORKS.

Dated April, 21st.

Recd.

Encl.

G.O., 21st April 1883, No. 1202 W.

APRIL.

Sub-Registrars' Offices

The estimates for constructing — at Tanuku and Bhimavaram in the Godavari District, sanctioned.

7TH MAY 1888, No. 1333 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From G. HAMNETT, Esq., C.I.E., Inspector-General of Registration, to the Executive Engineer, Kurnool Division, dated Madras, 1st March 1888, G. No. 875.

In returning the enclosed estimates for constructing a Sub-Registry office at Giddalur, sent to the Registrar of Kurnool for his countersignature, I have the honor to inform you that the Inspector-General is the officer in the Registration Department who has to countersign such estimates.

2. In my letter to the Government, Judicial, T. No. 3817, dated the 9th August 1886, I recommended "the construction of an office on the revised standard design," namely, the design sanctioned in G.O., Public Works, dated the 5th May 1885, No. 1049 W., and *not* the terraced design sanctioned in G.O. No. 120 W., dated 14th January 1882.

3. Further, it is desirable that the suggestions approved by the Government in their G.O., Public Works, dated 16th January 1888, No. 163 W., should be adopted, with the addition of a lightning conductor.

From Colonel H. SMALLEY, R.E., Superintending Engineer, III Circle, to the Inspector-General of Registration, dated Bellary, 24th March 1888, No. 2693.

With reference to your letter No. 875, dated 1st March 1888, to the Executive Engineer, Kurnool, I have the honor to inform you that the Executive Engineer reports that tiles are not procurable at Giddalur, and that the standard design, sanctioned in G.O. No. 1049 W., dated 5th May 1885, for Sub-Registrar's office cannot therefore be adopted, unless *Mangalore tiles* are used, and this would be very expensive, and would involve an expensive wooden ceiling underneath the tiles.

2. Under these circumstances, the estimate prepared for the terraced design, approved in G.O. No. 120 W., dated 14th January 1882, is retransmitted.

3. Lightning conductors are not necessary for such small and unimportant buildings.

G. No. 1666.

Submitted for the sanction of the Government, together with a copy of letter to the address of the Executive Engineer, Kurnool Division, G. No. 875, dated the 1st March 1888.

2. The necessity for constructing a Sub-Registry office at Giddalur was brought to the notice of the Government in my letter T. No. 3817, dated the 9th August 1886.

MADRAS,
27th March 1888.

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

3

Approved and transferred to the Public Works Department.

(By Order.)

6th April 1888.

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

From G. HAMNETT, Esq., C.I.E., Inspector-General of Registration, to the Chief Secretary to Government, dated Madras, 28th March 1888, G. No. 1706.

The Government in their Judicial No. 2076, dated 23rd May 1887, recorded in G.O., Public Works, No. 1427 W., dated 25th idem, approved of the preparation of a plan and estimate for constructing a Sub-Registry office at Alvár Tirunagari.

2. The plan and estimate herewith submitted were prepared accordingly.

3. But as the Government have recently directed that the type design for Sub-Registry offices should be revised, I have the honor to recommend that, before sanctioning the plan and estimate now submitted, they be referred to the Consulting Architect to the Government, in view to his revising the estimate in accordance with the suggestions adopted yesterday at my interview with him.

Referred to the Public Works Department.

(By Order.)

14th April 1888.

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

From Colonel H. SMALLEY, R.E., Superintending Engineer, III Circle, to the Inspector-General of Registration, dated Bellary, 9th April 1888, No. 59.

With reference to G.O. No. 1277 W., dated 20th May 1886, on G.O. No. 1128, dated 1st May 1886, in the Judicial Department, I have the honor to forward an estimate, amounting to Rs. 2,698, for constructing a Sub-Registrar's office at Atmakúr, agreeably to the standard design approved in G.O. No. 120 W., dated 14th January 1882.

2. Standard design approved in G.O. No. 1049 W., dated 5th May 1885, has not been followed, as it is intended only for Sub-Registrars' offices to be built in the compound of taluk offices, and moreover, as stated in my previous letter, good tiles are not procurable in the Kurnool district.

G. No. 2052.

Submitted for the sanction of the Government.

2. The necessity for constructing an office at Atmakúr was brought to notice in my letter recorded in Judicial G.O., dated 1st May 1886, No. 1128.

MADRAS,
11th April 1888.

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

Approved and transferred to the Public Works Department.

(By Order.)

19th April 1888.

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

ORDER—dated 7th May 1888, No. 1333 W., Public Works.

The estimates, received with the papers above recorded, will be returned to the Superintending Engineers concerned, in view to their being held over, pending the issue of revised type designs for Registration offices now under preparation by the Consulting Architect.

2. All calls on other Superintending Engineers for estimates for Registration offices on existing type designs will similarly be held over, pending issue of the revised type plans.

(True Extract.)

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

To the Superintending Engineer, III Circle,
with estimates for Registration offices at Giddalur and Atmakúr.
" Superintending Engineer, VI Circle, with estimate for ditto at Alvár Tirunagari.
To Other Superintending Engineers.
To the Consulting Architect to Government.
" Judicial Department.

Exd. F. R. Bantleman.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1888) Madras.
PUBLIC WORKS.

Dated May, 7th.

Recd.

Encl.

G.O., 7th May 1888, No. 1333 W.

MAY.

Registration Offices

Directing that all estimates, and calls for estimates for —, be held over, pending the issue of revised type designs now under preparation.

1309

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 tenoned. 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 "pukka 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 asphalt, $\frac{3}{4}$ 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" $\times$ 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 4	4 0		337
Steps	...	12 0	3 6	1 0	42	
					C. feet.	2,234

5

Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
Earth filling in basement—		FT. IN.	FT. IN.	FT. IN.		
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		
Verandah	1	24 6	5 9	1 6	211	
					C. feet.	1,243
Concrete—						
Outer walls	...	108 0	3 6	1 6	696	
Cross wall	1	24 6	3 6	1 6		
Verandah wall	...	35 6	2 4½	1 6		
Steps	...	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 6½	2 7½	1 6		
Verandah wall do.	...	36 5½	1 6	1 6		
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		
Steps do.	1	7 6	1 0	0 6	4	
Do. do.	1	9 6	2 0	0 6	10	
Do. do.	1	11 6	3 0	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	

Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
Teakwood wrought and put up—cont.		FT. IN.	FT. IN.	FT. IN.		
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		
Do. at end	1	3 6	0 3	0 3	1	
					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 ¾" 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.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
Plastering with Portland cement $\frac{1}{2}$ an inch thick— <i>cont.</i>		FT. IN.	FT. IN.	FT. IN.		
Sides of steps	2	2 0	...	1 6	6	762
Door jambs	2	6 0	...	1 6	18	
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	172
Windows	8	3 6	...	5 0	140	
					S. feet.	1,595
					Squares.	15-95
Flooring with 8 inches square bricks—						
Office	1	25 6	...	12 0	306	516
Door piece	1	4 0	...	1 6	6	
Verandah	1	26 0	...	6 6	169	5-16
Steps	1	11 6	...	3 0	35	
					S. feet.	5-16
					Squares.	
Flooring with asphalt $\frac{3}{4}$ inch thick over a bed of concrete 4 inches thick—						
Record room	1	25 6	...	12 0	306	310
Door piece	1	4 0	...	1 0	4	
					S. feet.	3-10
					Squares.	
Painting with three coats—						
Joists	42	13 6	...	1 5	803	2,111
Verandah posts	4	2 0	...	7 6	60	
Bressummers	1	27 6	...	2 0	55	21-11
Rafters	22	8 6	...	1 3	234	
Planking at ends	2	7 0	...	3 0	42	280
Railing	1	18 0	...	3 0	54	
Venetian and panel door	3	4 0	...	8 0	96	190
Batten door	2	4 0	...	8 0	64	
Venetian windows	2	3 6	...	5 0	140	8
Do. with glazed shutters 5 x	2	3 6	...	5 0	175	
Batten windows with glazed shutters and iron bars	4	3 6	...	5 0	280	21-11
Sun-shades	4	5 0	...	5 0	190	
Do.	2	2 0	...	2 0	8	
					S. feet.	2,111
					Squares.	21-11

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 ...		100 C. ft.		
864 "	Concrete in foundations ...		"		
1,468 "	Brick-work in foundations and basement ...		"		
2,429 "	Brick-work in superstructure ...		"		
86 "	Arch-work ...		C. ft.		
2 "	Stone-work under posts ...		"		
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 ...		"		
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 ...		"		
13 "	Galvanised iron wire-netting ...		Each.		
2 No.	Sun-shades ...		Square.		
7-29 Sqs.	Terrace roofing ...		"		
2-20 "	Bengal terrace ...		"		
16-36 "	Plastering interior walls with two coats of chunam ...		"		
7-26 "	Plastering with Portland cement $\frac{1}{2}$ an inch thick ...		Square.		
15-95 "	Pointing exterior walls ...		"		
5-16 "	Flooring with 8 inches square bricks laid in mortar over a levelling course of wall bricks ...		"		
3-10 "	Flooring with asphalt $\frac{3}{4}$ inch thick over a bed of concrete 4 inches thick ...		"		
21-11 "	Painting with three coats of Carson's paint ...		"		
	Petty supervision at $2\frac{1}{2}$ 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 $10\frac{1}{2}$ " $\times$ $10\frac{1}{2}$ " $\times$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 asphalt $\frac{1}{2}$ 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" x 6" and sloping outwards may be left open and galvanised iron wire-netting of $\frac{1}{2}$ 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.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
		FT. IN.	FT. IN.	FT. IN.		
Excavation for foundations—						
Outer walls	...	108 0	3 6	4 0	1,855	
Cross wall	1	24 6	3 6	4 0		
Verandah wall	...	35 6	2 4	4 0		
Steps	...	12 0	3 6	1 0		
					C. feet.	2,234
Earth filling in basement—						
Record room	...	25 6	12 0	1 6	747	
Clerks' room	...	16 0	12 0	1 6		
Registrar's room	...	9 6	12 0	2 6		
Verandah	...	24 6	5 9	1 6		
					C. feet.	1,243
Concrete—						
Outer walls	...	108 0	3 6	1 6	696	
Cross wall	1	24 6	3 6	1 6		
Verandah wall	...	35 6	2 4	1 6		
Steps	...	12 0	3 6	1 0		
					C. feet.	864
Brick-work in foundations to floor level—						
Outer wall footing course	...	108 0	2 7	1 6	522	
Cross do. do.	...	24 5	2 7	1 6		
Verandah do. do.	...	36 5	1 6	1 6	82	
Outer wall above footing course..	...	108 0	1 10	3 0		
Cross wall	...	25 1	1 10	3 0	749	

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.		
Brick-work in foundations to floor level— <i>cont.</i>						
Verandah wall above	...	37 1½	0 9	3 0	84	1,468
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.	
Brick-work in superstructure—						
Outer walls	...	108 0	1 6	12 6	2,025	3,253
Cross wall	1	25 6	1 6	21 6	822	
Gables	2	28 6	1 6	4 9	406	
Deductions—						
Doors	2	4 0	1 6	8 0	96	392
Windows	8	3 6	1 6	5 0	210	
Arch-work as per details...	...	...	...	...	86	
					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	15
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	3
Do.	2	2 6	1 6	0 1	1	
Planking at ends	2	7 0	0 1	2 6		
					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	26 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 $\frac{1}{2}$ 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

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 asphalt $\frac{3}{4}$ 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 10 $\frac{1}{2}$	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	
Do. ...	3	4 0	...	8 0	96	
Venetian and panel door ...	2	4 0	...	8 0	64	
Batten door ...	2	3 6	...	5 0	140	
Venetian windows ... 4 x	2	3 6	...	5 0	175	
Do. with glazed shutters 5 x	2	3 6	...	5 0		
Batten windows with shutters and iron bars ... 4 x	4	3 6	...	5 0	230	
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 ...		100 C. feet.		
864 "	Concrete in foundations ...		"		
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. Sun-shades ...		Each.		
2455 Squares.	Tiled roofing with flat and pan-tiles and teak reapers ...		Square.		
22 21 "	Plastering interior walls with two coats of chunam ...		"		
7-62 "	Plastering interior walls with Portland cement $\frac{1}{2}$ 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 asphalt $\frac{3}{4}$ inch thick over a bed of concrete 4 inches thick ...		"		
23-03 "	Painting with three coats of Carson's paint ...		"		
	Petty supervision at $2\frac{1}{2}$ per cent. Contingencies at 5 per cent ...		"		
	Grand Total of Estimate ...				

MADRAS,
8th June 1888.

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

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

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 Chepāk, 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.

No. 334 D.

Forwarded for the approval of Government in the Judicial Department.

OOTACAMUND, (Signed) J. O. HASTED, Colonel, R.E.,
16th June 1888. 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.

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

1309

11

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1888) Madras.
PUBLIC WORKS.

Dated July, 21st.

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.

Public Works Department.

Current No. 11,655.

Letter No. 116

Dated 12th September 1888

From the Secy. to Govt. of Madras.
Public Works Department.
23.11.88

NOTE OF REMARKS.

The Estimates under revision aggregating Rs. 10,110 provide for constructing Sub Registrars' Offices in the following localities —

The above named Offices are to be constructed in accordance with the Standard design at the localities noted below —

1 Sub Registrar Office at Pithavaram — Rs. 2,420
Previous sanction accorded in G.O. No 1202 W of 21/4/83. — 2,540
Excess Rs. — 120

2 — do — at Talhappadi — 3,260
Previous sanction accorded in G.O. No 2407 W of 13/9/82. — 2,440
Excess Rs. — 820

3 — do — at Ponnur — 3,430

The two first Estimates are revised Estimates they were returned for

union with G.O. No. 1333 W. of 1888
 of 5th June 1888 in answer
 in accordance with the
 new type design. These
 under preparation, referred
 to in G.O. No. 1333 W. of 1888
 dated 1888 and subsequently
 issued with G.O. No. 2230 W.
 of 21st July 1888.

The data given in the
 Schedule of rates for
 the Godavari Western
 Division is so incomplete
 that no check or request
 can be exercised
 over the estimates.

The estimates have
 been countersigned
 by Mr. Inspector Genl.
 of Registration and
 approved by Genl.
 in the Judicial Deptt. -

C. R. B.
 23/11/88

The Schedule is put up
 in the file -

No. 2025 G.O.

FROM,

Lt Col R. E. Drake Brockman R.E.
 SUPERINTENDING ENGINEER

TO,

FIRST CIRCLE.
 THE Inspector General
 of Registration, Madras.

(79)

Dowlaiswaram, 23 October 1888

SIR,

Encl 11.

3 Sketches.
 2 Computations.
 3 Abstract Estimates
 3 Duplicates of do -
 11

I have the honor to submit here-
 with the following estimates for Sub Regis-
 trars Offices prepared agreeably to the Stand-
 ard design sanctioned in G.O. No. 2230 W. of
 the 21st July 1888 and to request that you
 will be good enough to transmit the same
 to Government for sanction -

1 Estimate for Rs. 3420 in duplicate for
 the Sub Registrar's Office at Bhima-
 nam in the Godavari District
 Western Division -

1 Do - Do - Rs. 3260 Talla pidi - S. D.
 1 Do - Do - Rs. 3430 Charsapore - S. D.

2 The estimates now submitted for
 the 1st two works supersede those already
 sanctioned in G.O. No. 1202 W. of 21-4-83 &
 2407 W. of 16-9-82.

13

I have the honor to be
 Sir
 your most obedient servant

R. E. Drake Brockman Lt Col R.E.
 Supr Engineer 1st Circle

7.0.

SK

4524-30. Echols/88.

Madras.

Submitted for the sanction of the Government.

2. Estimation for the Sub-Registry Office at Shimoga and Thalagudi were submitted with my endorsement No. 644 dated the 6th Mar 1888, but were returned for revision to Superintending Engineer with Prov. Public Works Department dated 5 June 1888. No. 1641 & 1642. No. 1642 in Judicial No. 1338. dated the 18th idem.

W. A. Smith

Superintendent of Regn.

Sh.

To the Chief Secretary to the Government.

Herbert George

7309

14

T 921/83
T 694/88 ✓
T 2781/88 ✓
42661/88 ✓
T 3077/84

Copy (1898) Department
FROM, *Chief Engineer*
Chut Gob. R. E. Drake-Brockman
THE SUPERINTENDING ENGINEER *R.E.*

FIRST CIRCLE.

TO, THE *Inspector General*
of Registration
Madras.

DATED *23rd*
DESPATCHED *25th* October 1898
RECEIVED - *29th*

No. 2025 *G.D.*
ENCLOSURES *11*

SUBJECT.

Submits for sanction and
transmission to Government
Certain Estimates for ^{constructing} sub-
Registrar offices in the
Godavari District.

Received
23rd
25th
29th
30th
31st
1st
2nd
3rd
4th
5th
6th
7th
8th
9th
10th
11th
12th
13th
14th
15th
16th
17th
18th
19th
20th
21st
22nd
23rd
24th
25th
26th
27th
28th
29th
30th
31st

309

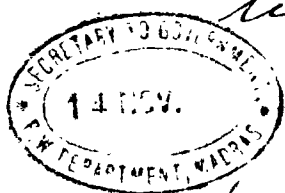
15

3335 W 719/10/00
 2230 W 7217/00
 1641 W 7376/00
 1333 W 7715700
 1202 W 7214/03
 2407 W 716/9/02

11658
 2727-

Judicial 1888 Department
 Registration

From
 9/13/1888
 Abbases and tanks
 to the D. W. Dept
 By order
 A. G. Candew.
 Under Secy



3335 W 719/10/00
 The estimates are returned
 to the S. G. I. for
 sanction with reference to
 G.O. 3335 W 719/10/00
 3335 W 719/10/00

27.11.00

27/11/00

To the S. G. I. for
 sanction with reference to
 R. 12/11
 30/11
 1/12/11

From
 The Inspector General of
 Registration
 Room

To
 The Secretary
 to Government
 Fort St. George

Dated 30
 Received } October 1888
 f. no 4524

Enclosure 11/12

G.O. 3335 W 719/10/00
 Sub-Registrar's sanction
 certain estimates for
 construction of certain
 sub-registrar's offices in the
 Godavari district.

With order



1309

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following paper

From the Inspector General of Registration dated 24 April 1889
 No 1555.

Mr. L. Miller, the Acting Head Assistant Collector of
 Godavari, inspected the Sub-Registrar's office at
 Yerunaqudam (Tallapuri) on the 1st of March last,
 and remarked:-

"The number of registrations in the year
 will be nearly the same as last year. The situation
 of the office at one end of the Taluk may have
 something to do with this want of progress".

2. Upon this the Sub-Registrar stated that he
 heard that the Collector had proposed the abolition
 of the Yerunaqudam Taluk, and the creation of a new
 Agency Taluk with head-quarters at Polavaram,
 and that pending the sanction of his proposal, he had
 asked the Public Works Department to stop the
 construction of the Sub-Registrar's office sanctioned
 for the sub-district.

3. The Registrar was asked to enquire whether
 the Sub-Registrar's statement was correct, and he has
 sent

16

sent me the enclosed copy of a letter from the Collector No 32 dated
to the Superintending Engineer, 1st Circle, which I 8th Feby. 1889
submit for the information of the Government
in the Judicial Department.

Order, 29 April 1889. No 755
Recorded.

[True Extract]

M. B. ... Capt. R. E.

Under Secy. P. W. D.

for

Chief Secy.

The Inspector General of Registration

Copy to the Public Works Dept. ✓

X^d S. D.

13th

Copy of letter from the Collector of Godavari
to the Superintending Engineer, 1st Circle, Dowlaish
-waram, dt 6/2/89 No 32.

In reference to your endorsement no. 27809D
dated 17th January 1889, I have the honor to inform
you that I intend to propose the abolition of
the Yerunagudem Taluq and the erection of a
new Agency Taluq at Polavaram, the new agency
portion of Yerunagudem being added to Rajahmundry,
Tanuku, and Eluru Taluqs with a Deputy
Tahsil dar at Pedu Polavaram. If the proposal
is sanctioned there will be no office at Tallapady
until the question is finally disposed of, a Registration
office should not be built at Tallapady.

17

To

1701

Proceedings, dated
No.

188

Subject.

18

Gobt. of (188) Madras.

(12)

The O. W. Dept.

29 April 1889

No. 453

Subject.

Recording letter from the
Imperial Genl of Dep^y regard-
ing the stopping of the
construction of the Lab
Registrars office at Yerna-
gudam (Tallapudi)

1. 10120 5769W 129-11-87
 2. 11020 2230W 121-7-87
 3. 11130 1333W 117-5-87
 4. 11202 1202W 121-4-83
 5. 11240 2407W 116-9-82

In the circumstances brought to notice, the sum of Rs 32.60 provided in No. 3,260 provided in the final the final issue of the Provincial Budget for 1889-90 for the construction of a sub-registrar's office at Sullakudi is resumed and credited to the Provincial reserve with the Govt

Wm
11.5.89

Quezon
13-5-89

may 18

Ans. 6/8:

With Eide

1715
 The L. C. I. Office
 The L. C. I. Office
 " Examiner of
 " Documents of the
 " L. C. I. Office
 1715
 11/5