

- (1) பக்கங்களின் எண்ணிக்கை 30
 (2) புதுக்கித் திருப்பிய நாள் 1981
 (3) ஆதரங்குறிப்பவர் சுருக்கொப்பம் [Signature]

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

[Signature] துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	2318	அச்சகம் பலவகை
நாள் :	20-8-1982	1982.

மடிக்கவோ கண்படி கையாளவோ கூடாது

15 8/11/82
 [Signature]

20TH AUGUST 1892, No. 2318 W., PUBLIC WORKS.

2318
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From Lieut.-Colonel D. McN. CAMPBELL, R.E., Superintending Engineer, V Circle, to the Inspector-General of Registration, dated Chepák, 18th June 1892, No. 183 M.

With reference to your endorsement No. 5658, dated 26th November 1891, communicated with G.O., No. 3389 W., dated 16th December 1891, Public Works Department, I have the honour to forward, herewith, plans and estimates, for your approval and transmission to Government for sanction, for the construction of the following buildings:—

- (1) Sub-Registrar's office at Adichapuram (Rs. 2,570)—
 - One abstract estimate.
 - One report.
 - One site plan.
 - One tracing (plan of building).
- (2) Sub-Registrar's office at Nagore (Rs. 2,670)—
 - One abstract estimate.
 - One report.
 - One site plan.
 - One tracing (plan of building).

T. No. 2347.

Submitted for the sanction of Government.

2. The necessity for the construction of buildings for the offices of Sub-Registrars of Adichapuram and Nagore was brought to the notice of Government in my endorsement, G. No. 5658, dated 26th November 1891, disposed of in G.O., dated 10th December 1891, No. 2521, Judicial.

COIMBATORE,
6th July 1892.

(Signed)

S. SRINIVASA RAGHAVAIYANGAR,
Inspector-General of Registration.

To the Chief Secretary to Government.

No. 1286, Judicial.

Approved and transferred to the Public Works Department.

(By Order.)

3rd August 1892.

(Signed)

A. BUTTERWORTH,
Ag. Under-Secretary.

ORDER—dated 20th August 1892, No. 2318 W., Public Works.

The undermentioned estimates are sanctioned for execution when funds are available and are classified as Provincial, Civil Buildings, Original Works :—

Tanjore District.

- | | RS. |
|--|-----------------------------|
| 1. Constructing a Sub-Registrar's office at Adichapuram | 2,570—No. 48 W. of 1892-93. |
| 2. Constructing a Sub-Registrar's office at Nagore | 2,670 „ 49 W. of „ |

(True Extract.)

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

To the Superintending Engineer, V Circle, with 12 enclosures.
„ Examiner, Public Works Accounts.
„ Judicial Department.
Editors' Table.

Exd. A. D. Xavier.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1892} Madras.
PUBLIC WORKS.

Dated August, 20th.

Recd.

Encl.

G.O., 20th Aug. 1892, No. 2318 W.

AUGUST.

Sub-Registrars' Offices at
Adichapuram and Nagore

Estimates, amounting, respectively, to
Rs. 2,570 and Rs. 2,670, for constructing —,
Tanjore district, sanctioned for execution
when funds are available.

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, bresssummers 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	1	108 0	3 6	4 0	1,855	
Cross wall		24 6	3 6	4 0	337	
Verandah wall		35 6	2 4 $\frac{1}{2}$	4 0	42	
Steps		12 0	3 6	1 0		
					C. feet.	2,234

Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity 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		285
Verandah	1	24 6	5 9	1 6		211
					C. feet.	1,2
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 1/2	1 6		126
Steps	...	12 0	3 6	1 0		42
					C. feet.	8
Brick-work in foundations and basement—						
Outer walls footing course	...	108 0	2 7 1/2	1 6	522	
Cross wall do.	...	24 5 1/2	2 7 1/2	1 6		
Verandah wall do.	...	36 5 1/2	1 6	1 6		82
Outer wall above footing course	...	108 0	1 10 1/2	3 0		749
Cross wall do.	...	25 1 1/2	1 10 1/2	3 0	84	
Verandah wall do.	...	37 1 1/2	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.	1,4
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 1 1/2	1 0		123
Coping	...	117 0	0 9	0 9		66
						2,
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	
					C. feet.	2
Arch-work over doors and windows—						
Over doors	2	5 6	1 6	1 1 1/2	86	C.
Windows	8	5 0	1 6	1 1 1/2		
Stone-work—						
Under posts	4	0 10 1/2	0 10 1/2	0 6	2	C.
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. brassummers	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 2 1/2	1	
Bottom piece	1	9 6	0 3	0 2 1/2		
Uprights	17	3 0	0 1 1/2	0 1 1/2	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 3/4" 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.	729
Bengal terrace—						
For verandah	1	27 6	...	8 0	220	S. feet.
					Squares.	220
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.	1636
Plastering with Portland cement 1/2 an inch thick—						
Office and record room	2	75 0	...	3 0	450	
Plinth exterior	...	128 0	...	2 3	288	

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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.		
Plastering with Portland cement $\frac{1}{2}$ 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	
Door piece	1	4 0	...	1 6	6	
Verandah	1	26 0	...	6 6	169	
Steps	1	11 2	...	3 0	35	
					S. 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	
					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	8 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	2	3 6	...	5 0	140	
Do. with glazed shutters 5 x	2	3 6	...	5 0	175	
Batten windows with glazed shutters and iron bars 4 x	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

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				
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.				
25 "	Venetian windows with frames, hooks, &c., complete				
35 "	Venetian windows with frames and glazed inner shutters, hooks, &c., complete				
70 "	Tenned windows with frames, iron bars and inner glazed shutters, hooks, &c., complete				
13 "	Galvanised iron wire-netting				
2 No.	Sun-shades		Each.		
7-29 Sqs.	Terrace roofing		Square.		
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 $\frac{1}{2}$ " x 10 $\frac{1}{2}$ " x 6" with mortice holes 2 inches square and 2 inches deep into which the posts will be tenoned. 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 $\frac{1}{4}$ inch mesh nailed in between to prevent birds and bats entering.

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

Detail measurements.

Detail measurements.

Detail of work.]	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
Excavation for foundations—						
Outer walls		FT. IN.	FT. IN.	FT. IN.		
Cross wall ...	...	108 0	3 6	4 0	} 1,855	
Verandah wall	...	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	...	25 6	12 0	1 6	} 747	
Clerks' room	...	16 0	12 0	1 6		
Registrar's room	...	9 6	12 0	2 6	285	
Verandah	...	24 6	5 9	1 6	211	
					C. feet.	1,243
Concrete—						
Outer walls	...	108 0	3 6	1 6	} 696	
Cross wall ...	...	24 6	3 6	1 6		
Verandah wall	...	35 6	2 4½	1 6	126	
Steps	...	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 0	} 749	
Cross wall ...	...	25 1½	1 10½	3 0		

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—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.

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Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
Flooring with 8 inches square bricks—		FT. IN.	FT. IN.	FT. IN.		
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. Squares.	516 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. Squares.	310 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	
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. Squares.	2,303 23·03

ABSTRACT.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
2,234 C. feet.	Excavation for foundations	RS.	1,000 C. feet.	RS.	RS.
1,243 "	Earth filling in basement ...				
864 "	Concrete in foundations				
1,468 "	Brick-work in foundations and basement		100 C. feet.		
2,861 "	Brick-work in superstructure		"		
86 "	Arch-work		"		
2 "	Stone-work under posts		"		
144 "	Teakwood wrought and put up		C. feet.		
32 Sq. feet.	Venetian and panelled door with frames, hooks and rim lock, complete		"		
32 "	Batten door with frames, hooks, and rim lock, complete		Sq. feet.		
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		"		
24-55 Squares.	Tiled roofing with flat and pan-tiles and teak reerers		Each.		
22 21 "	Plastering interior walls with two coats of chunam		Square.		
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 $\frac{1}{2}$ 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.

* correction is made
vide G.O. 2015 of
dated 27th July 1911

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 Chepak, 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,
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.)

22nd June 1888.

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

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

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.

To be returned to
T.

Type-designs

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

N. 183 M.

Superintending Engineer's office
V Circle, Madras.
Chennai, 18 June 1892.

From

Lieut Col. D. M. Neil Campbell R. E.
Superintending Engineer, V Circle.

To

The Inspector General of Registration

Sir,

With reference to your endorsement
N. 5658 dated 26 November 1891 communi-
cated with G. O. N. 3389 W. dated 16 Decem-
ber 1891 P. W. D. I have the honor to forward
herewith plans and estimates for your
approval and transmission to Government
for sanction for the construction of the following
buildings:

1. Sub Registrar's office at
Aichapuram Rs 2570.

- 1. abstract estimate
- 1. Report
- 1. site plan
- 1. Drawing (plan of building)

2. Sub Registrar's office at
Nagore 2670

- 1. abstract estimate
- 1. Report
- 1. site plan
- 1. Drawing (plan of building)

I have the honor to be
Your most obedient servant
(Signed) Wm. A. Campbell Lieut Col. R.E.
Superintending Engineer & Circle.
CURRENT NO. 2895

2. J. No. 2347, 6 July 1892.
Coimbatore.

Submitted for the sanction of Govern-
ment.

2. The necessity for the construction
of buildings for the offices of Sub Registrars
of Adichchapuram and Sagore was
brought to the notice of Government in
my endorsement G. No. 5658 dated 26
November 1891, disposed of in G.O. Judicial
dated 10th December 1891, No. 2521.

Munimathayyan

Super Genl of Regn.

To

The Chief Secretary to Government
Fort Saint George.

Expd
me

2312
10

Judicial (1892) Department
"Registration"
Go 10-12-91: 2521

From
The Inspector General
of Registration
Madras
To
The Chief Secretary
to Government
Fort Saint George

Dated 6th } July 1892
Received }
Regd 11th
T. No. 2347.

Enclosures 8+12
Regd: 6-8-92
Recd. 4-8
Encls 12 (4 tiles)

Submitting for the sanction
of Government plans and
estimates for the construction
of Sub-Registrar's offices at
Adichapuram and Nagore
Tanjore District.

R. 1577
R. 1577
8-8-16-8
18-8

Sub. No. 1286. 93/8/92

Approved & transferred to
The Public Works Department
(By order)
Att. to the Secy.
H. Under Secretary.

To the Public Works Dept.
with plans & estimates
15/7

2/28 220-8-92
C 118
2/2/5

T. 2378
Please note
that items for
 roofing heavy
 heavy considerably
 in items 3 & 4
 take us to quantity
 2 Rates
 2/5
 2/5
 4. 0. 0.

In the estimate for Adichapuram
& Nagore, the roof is calculated
only for the Mangalore tiles with respect
at 1/2 the span to the teak plank
ceiling for the second & office rooms
taken under woodwork in central
entrance but in the estimate for
Kuttalam the roof of the main room
is calculated with the ceiling &
the verandah roof taken separately
without ceiling
The rates are about fair, there
vary owing to the distances of the
stations from Calicut on account
of carriage of tiles by rail, thus
- thus 4. 0.

thus
 Adichapuram Rs 27-8-0 + 24 per sq ft
 Rague — 26-8-0 + 16-12-0 per sq ft
 Kuttalam — 20-0-0 + 17-0-0
 hence the difference in the estimates

tho
 11. VIII-92

27/8
 12

Public Works Department.

Current No. 8000

Letter No. 1286

Dated 3rd August 1892

From the Engineer-in-Chief.

TECHNICAL NOTE.

The accompanying two estimates for constructing Sub Registrars Offices in the Tanjore District are forwarded for the sanction of Govt.

- (1) Constructing a Sub Registrar Office at Adichapuram Rs 2570
- (2) — do — do at Rague Rs 2670

These two estimates have been framed with reference to C.P. D. 3389 W dated 11th Decr 1891 and they provide for the construction of office buildings as per type design approved in C.P. W. 2230 W dated 21st July 1888 with the exception of slight deviation in the slope of roofing from $\frac{1}{3}$ to $\frac{1}{4}$ the span as as to receive Mangalore tiles. The rafters are proposed to be placed 2½ feet apart from centre to centre instead of 18 inches & stout rafter with a section of 2" x 1½" placed 12½ inches from centre to centre with planks ceiling ½" thick nailed below the rafters.

The soil is stated to be as follows
 Adichapuram { surface soil - soft clay
 sub soil - brown clay mixed with sand below

Nagore { Surface soil, black loam earth to
 Sand
 Sub soil. Sandy clay 3 feet deep

The foundations for both the structures are proposed to be sunk 4 ft deep, the lower 18" thick to be of concrete.

The foundations, basement & super-
 structures walls are to be built of
 brick in chumam. The exposed
 faces of walls with table moulded
 brick in chumam. The interior
 faces of walls are to be plastered
 with Portland cement $\frac{1}{2}$ " thick to
 a height of 3 feet and above with
 2 coats of chumam. The exterior
 faces of walls are to be finished
 with chumam. The floor of the
 second room is to be of $\frac{3}{4}$ " asphalt
 laid over 4" of concrete to the office
 & verandah with 8" square tiles
 set in cement. For the kitchen, the
 roof is to be of Mangalore tiles laid
 on teak rafters & rafters with $\frac{1}{2}$ "
 teak plank ceiling, doors &
 windows are to be of teakwood to
 the description noted in the
 estimate.

The rates as far as can be
 checked are fair, data is sub-
 mitted for Mangalore tiled roof-
 ing.

Compensation is provided in the
 estimate for land at an appraiser's
 estimate with as follows:

Adichapuram Rs 50.

Nagore ——— 165.

The plinth area of the buildings
 are 996 sqr feet to the cost per
 SH

Origl. 80 2318 W
 20/6/92

Sqr with Rs 2-8-6 for Adichapuram
 office & Rs 2-8-3 for Nagore
 office

The plans & estimates have been
 countersigned by the Inspector
 General of Registration & approved
 in the Judicial Dept.

The
 11-8-92

N^o 2318.W.d/20 August 1892 PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

From the S.E.V Circle No: 183.W d/18 June 1892
 Endorset. thereon by the Inspector
 General of Registration } No: 2347 d/6 July 1892
 Endorset. in the Judicial Dept. No: 1286 d/3 Aug 1892

The undermentioned
 estimates are sanctioned
 for execution when funds
 are available, and are
 classified as Provincial
 Civil Buildings, Original
 Works: —

Tanjore District

1. Constructing a Subregistrar's
 office at Adichapuram — Rs. 2570 — No: 48.W of 1892/73
2. Do — at Nagore — — 2670 — No: 49.W of 1892/73

To The S.E.V Circle
 with 12 enclos
 - Exar. P.W. acct
 - Judicial Dept.
 Editors Table

15.8.92

Cu

C No 8008

Govt. of (1892) Madras.
PUBLIC WORKS.

1-9-14 B II ✓

20/7/15 B II ✓

Dated

Recd

Recd

G.O. 20 August 1892 No. 2318.15

Sub-Registrars' Offices
at Adichapuram and
Nagore

Estimates amounting
respectively to Rs 2,570 and
Rs 2,670 for constructing
—, Tanjore District,
sanctioned for execution
when funds are available.

(4)

90

8/90/8 J.C. 20/8