

Public Works (1896) Department.

G.O., No. 1913 W

DATED 2nd July 1896

[Despatch Abstract.]

Office building for the Sub Registrar of
Tiruppur, Coimbatore District.

P.W. Judicial Dept regarding the
Construction of an — Communicated
to the Supty Engineer Tiruch

NO. 5410

Govt. of 1896 Madras.

Ans. 15. 6. 86

To

The Public Works Dept

13
No. 1913 W. d. 2nd July 1896

Communicated to
the Super^r Genl IV and
for submission of the
required estimate.

18/6/96

Proceedings, No. 962 dated 6-6- 1896

Subject.

Approving the proposal
of the A. G. of Registration
for the construction of an
office building for the
Sub-registrar of Income
in the Bangalore District
and stating that necessary
orders for preparation of
plans &c will issue in
the P. W. D.

1st Reminder issued 16-10-26

22306 d 21-7-88

C2

S.S. IV Cancer

ass 188 2 10/6

26

Judicial Department.



PROCEEDINGS OF THE MADRAS GOVERNMENT.

— READ the following paper :—

From the Inspector-General of Registration, Madras,
dated 7th May 1896, No.G.2368.

-----X X X X-----

O R D E R:—No.962, dated 6th June 1896.

The Inspector-General's proposal to construct an
office building for the Sub-Registrar of Tirupur in the Coim-
batore District, on the standard design for smaller offices
sanctioned in G.O.No.2230.W., dated 21st July 1888 is approved
and the necessary orders for the preparation of plans and
estimates will be issued in the Public Works Department.

(True Extract)

W. Rames

TO

for Chief Secretary.

The Public Works Department. ✓

" Inspector-General of Registration, Madras.

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.

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 "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 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 $\frac{1}{2}$	4 0		
Steps	...	12 0	3 6	1 0	42	
					0. feet.	2,234

Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area of 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	285	
					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 5½	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	
Windows	8	5 0	1 6	1 1½		
					C. feet.	
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	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 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.

Details 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—cont.		FT. IN.	FT. IN.	FT. IN.		
Sides of steps	2	2 0	...	1 6	6	
Door jambs	2	6 0	...	1 6	18	
Deduct—						762
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 6	...	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	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

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 "	Galvanized 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 1883.(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 $\frac{3}{4}$ 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 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 $\frac{3}{4}$ 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 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 $\frac{3}{4}$ 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.		
Excavation for foundations—		FT. IN.	FT. IN.	FT. IN.		
Outer walls	...	108 0	3 6	4 0	} 1,855 337 42	
Cross wall	1	24 6	3 6	4 0		
Verandah wall	...	35 6	2 4 $\frac{1}{2}$	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	} 747 285 211	
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	} 696 126 42	
Cross wall	1	24 6	3 6	1 6		
Verandah wall	...	35 6	2 4 $\frac{1}{2}$	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 $\frac{1}{2}$	1 6	} 522 82 749	
Cross do. do.	...	24 5 $\frac{1}{2}$	2 7 $\frac{1}{2}$	1 6		
Verandah do. do.	...	36 5 $\frac{1}{2}$	1 6	1 6		
Outer wall above footing course	...	108 0	1 10 $\frac{1}{2}$	3 0		
Cross wall	...	25 1 $\frac{1}{2}$	1 10 $\frac{1}{2}$	3 0		

Detail measurements—cont.

Detail of work.		Number.	MEASUREMENT 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.			37 1½	0 9	3 0	84	
Verandah wall above			7 6	1 0	0 6	4	
Steps			9 6	2 0	0 6	10	
Do.			11 6	3 0	0 6	17	
Do.							
						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—						96	
Doors			2 4 0	1 6	8 0	210	
Windows			8 3 6	1 6	5 0	86	
Arch-work as per details			...	...	...		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		
Do.			2 1 0	0 6	0 4	1	
Brackets			2 0 7½	0 6	0 6	5	
Do.			2 10 0	0 6	0 6	1	
Bressummers			2 7 0	0 3	0 4		
Do. piece at ends			2 11 0	0 3	0 5	3	
Valley rafters			2 8 6	0 3	0 5		
Do. ridge			1 9 6	0 2½	0 4	15	
Rafters			16 6 0	0 2½	0 4		
Do. small rafters			10	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	3	
Do.			2 7 0	0 1	2 6		
Planking at ends							
						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	...	18 9	1,106	
Verandah ..	1	22 9	...	8 0	242	
Do. ...	1	7 6	...	8 0		
					Sq. feet.	1,348
					Squares.	13·48
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		...			
Batten windows with shutters and iron bars ... 4 x	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 ...		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 ...				
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 "	Galvanized iron wire-netting fixed. ...				
2 No.	Sun-shades ...				
13.48 Squares.	Tiled roofing with flat and pan-tiles and teak reepers ...		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 $\frac{3}{4}$ 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 Chépák, 8th June 1888, No. 414.

With reference to the orders of Government marginally noted, I have the honour 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 honour 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. C. A. McMootry.
Spare Copies.