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 (2) புதுக்கித் திருப்பிய நாள் Sept 89
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தமிழ்நாடு ஆவணக் காப்பகம்.

(30)

தமிழ்நாடு அரசு

P. W. D. துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	1976	அச்சகம் பலவகை
நாள் :	22-7-1889	198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

25/7

20. sheets

ஆவண. கா-1-18,006-15-6-87.

ANNEXURE.

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

Descriptive Specification.

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

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

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

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

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

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

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

Roofing.—The roofing of the office and record room will be of "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 asphalte, $\frac{3}{4}$ inch thick.

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

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

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

Ventilation.—Holes to be left between the joists measuring 4" $\times$ 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	337	
					42	
					C. feet.	2,234

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		
					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 $\frac{1}{2}$	1 6		
Steps ...	...	12 0	3 6	1 0		
					C. feet.	864
Brick-work in foundations and basement—						
Outer walls footing course ...	...	108 0	2 7 $\frac{1}{2}$	1 6	522	
Cross wall do. ...	...	24 5 $\frac{1}{2}$	2 7 $\frac{1}{2}$	1 6		
Verandah wall 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 do. ...	...	25 11 $\frac{1}{2}$	1 10 $\frac{1}{2}$	3 0	749	
Verandah wall do. ...	...	37 1 $\frac{1}{2}$	0 9	3 0		
Steps do. ...	1	7 6	1 0	0 6		
Do. do. ...	1	9 6	2 0	0 6		
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 1 $\frac{1}{2}$	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 1 $\frac{1}{2}$	86	C. feet.
Windows ...	8	5 0	1 6	1 1 $\frac{1}{2}$		
Stone-work—						
Under posts ...	4	0 10 $\frac{1}{2}$	0 10 $\frac{1}{2}$	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. 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 $\frac{1}{2}$	1	
Bottom piece ...	1	9 6	0 3	0 2 $\frac{1}{2}$		
Uprights ...	17	3 0	0 1 $\frac{1}{2}$	0 1 $\frac{1}{2}$	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 $\frac{3}{4}$ " 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.	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	
Deductions—						1,836
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 $\frac{1}{2}$ 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—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.
2,234 C. feet.	Excavation for foundations	RS.		RS.	RS.
1,243 "	Earth filling in basement		1,000 C. ft.		
864 "	Concrete in foundations		100 C. ft.		
1,468 "	Brick-work in foundations and basement		"		
2,429 "	Brick-work in superstructure		"		
86 "	Arch-work		"		
2 "	Stone-work under posts		C. ft.		
119 "	Teakwood wrought and put up		"		
32 Sq. ft.	Venetian and panel door with frames, hooks and rim lock, complete		"		
32 "	Batten door do do		Sq. ft.		
25 "	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		"		
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		"		
15-95 "	Pointing exterior walls		Square.		
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 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 $\frac{3}{4}$ 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" $\times$ 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.		
		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 $\frac{1}{2}$	4 0		337
Steps	...	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	1	24 6	3 6	1 6		
Verandah wall	...	35 6	2 4 $\frac{1}{2}$	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 7 $\frac{1}{2}$	1 6	} 522	
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		82
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	} 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—cont.						
Verandah wall above	...	37 1 $\frac{1}{2}$	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	
Brick-work in superstructure—					C. feet.	1,468
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	
Deductions—						3,253
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
Arches over doors and windows—					C. feet.	2,861
Over doors	2	5 6	1 6	1 1 $\frac{1}{2}$	} 86	
Windows	8	5 0	1 6	1 1 $\frac{1}{2}$		C. feet.
Stone-work—						
Under posts	4	0 10 $\frac{1}{2}$	0 10 $\frac{1}{2}$	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 2 $\frac{1}{2}$	} 1	
Bottom piece	1	9 6	0 3	0 2 $\frac{1}{2}$		
Uprights	17	3 0	0 1 $\frac{1}{2}$	0 1 $\frac{1}{2}$	} 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 7 $\frac{1}{2}$	0 6	0 6		
Bressummers	2	10 0	0 6	0 6	} 5	
Do. piece at ends	2	7 0	0 3	0 4		
Valley rafters	2	11 0	0 3	0 5	} 1	
Do. ridge	1	8 6	0 3	0 5		
Rafters	16	9 6	0 2 $\frac{1}{2}$	0 4	} 15	
Do. small rafters	10	6 0	0 2 $\frac{1}{2}$	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		
Planking at ends	2	7 0	0 1	2 6	3	
Venetian and panel doors with frames complete	1	4 0	...	8 0	C. feet.	144
					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	
Venetian and panel door ...	3	4 0	...	8 0	96	
Batten door ...	2	4 0	...	8 0	64	
Venetian windows ...	4 x	3 6	...	5 0	140	
Do. with glazed shutters 5 x	2	3 3	...	5 0	175	
Batten windows with shutters and iron bars ...	4 x	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 O. feet.	Excavation for foundations ...		1,000 C. feet.		
1,243 "	Earth filling in basement ...				
864 "	Concrete in foundations ...		100 C. feet.		
1,468 "	Brick-work in foundations and basement ...				
2,861 "	Brick-work in superstructure ...				
86 "	Arch-work ...				
2 "	Stone-work under posts ...		C. feet.		
144 "	Teakwood wrought and put up ...				
32 Sq. feet.	Venetian and panelled door with frames, hooks and rim lock, complete ...				
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. Sun-shades ...				
2 No.			Each.		
24.55 Squares.	Tiled roofing with flat and pan-tiles and teak reepers ...		Square.		
22 21 "	Plastering interior walls with two coats of chunam ...				
7.62 "	Plastering interior walls with Portland cement $\frac{1}{2}$ 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 honor to submit revised standard designs for Sub-Registrars' offices, with tiled roof and terraced roof, with specifications and schedules of quantities.

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

No. 334 D.

Forwarded for the approval of Government in the Judicial Department.

OOTACAMUND,
16th June 1888.

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

Referred to the Inspector-General of Registration for remarks.

(By Order.)

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.)

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

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

Exd. F. R. Bantleman.
Spare Copies

1976

7

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.

22ND MARCH 1886, No. 751 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Major S. C. CLARKE, R.E., Acting Superintending Engineer, I Circle, to the Inspector-General of Registration, dated Dowlaishweram, 3rd March 1886, No. 263 V.Z. :—

With reference to G.O., No. 1182 W., of the 19th May 1885, I have the honor to forward, an estimate, amounting to Rs. 2,450, together with a site plan, for constructing a sub-registrar's office at Chodavaram, in the Vizagapatam district, and to request that you will transmit the same to Government for sanction.

Endorsement on the above.

G. No. 1018.

Submitted for the sanction of the Government.

MADRAS,
9th March 1886.

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

No. 497 C., Judicial.

Approved, and transferred to the Public Works Department.

(By Order.)

FORT ST. GEORGE,
18th March 1886.

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

ORDER—dated 22nd March 1886, No. 751 W., Public Works.

The estimate, amounting to Rs. 2,450, for constructing a sub-registrar's office at Chodavaram, in the Vizagapatam district, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial, No. 236 W. of 1885-86, and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, I Circle, with three enclosures.

„ Examiner, Public Works Accounts, with the estimate for note and

„ Judicial Department. return to Superintending Engineer, I Circle.

Exd. E. Fernandez.

Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1886) Madras.
PUBLIC WORKS.

Dated March, 22nd.

Recd.

Encl.

G.O., 22nd Mar. 1886, No. 751 W.

MARCH.

Sub-Registrar's Office at
Chodavaram

Estimate, amounting to Rs. 2,450, for
constructing a —, in the Vizagapatam dis-
trict, sanctioned.

29TH OCTOBER 1888, No. 3428 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

From the Superintending Engineer, V Circle, dated 23rd October 1888, No. 3171.

ORDER—dated 29th October 1888, No. 3428 W., Public Works.

The following sums surrendered by the Superintending Engineer, V Circle, are
resumed and credited to the reserve with the Government under Provincial:—

	RS.
Constructing Reserve Police lines at Pudupet, Madras	1,949
Putting new roof over the close prison cells in the Penitentiary at Madras	2,024
Improvements to the Sub-Magistrate's office at Punganúr	657
Civil Buildings, Minor Works, North Arcot division	455
Widening the Elephant Gate Bridge, Madras	5,452
Civil Buildings, Repairs, Public Works Workshops	2,500
Miscellaneous Public Improvements, Repairs, Presidency Division.	1,000
Total	14,037

2. The following appropriations are made from the Provincial reserve:—

	RS.
Civil Buildings, Minor Works, Public Works Workshops	2,200
Tools and Plant, Chingleput division	300
Total	2,500

(True Extract.)

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

To the Superintending Engineer, V Circle.
" Examiner of Public Works Accounts.
" Judicial Department.
" Financial Department.
" Revenue Department.

Exd. J. Henricus.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated October, 29th.

Recd.

Encl.

G.O., 29th Oct. 1888, No. 3428 W.

OCTOBER.

Funds

Surrender and appropriation of — under
Provincial in the V Circle.

1976
10TH NOVEMBER 1888, No. 3572 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

Office note from the Examiner, Public Works Accounts, dated 31st October 1888, No. 2511.

No savings are anticipated from the grant under Permanent establishment, but a further report on this point will be made as soon after December 1888 as possible.

2. Under Temporary establishment a sum of Rs. 20,000 may probably be transferred for expenditure on works, provided no large sanctions under Temporary establishment are to be given hereafter.

ORDER—dated 10th November 1888, No. 3572 W., Public Works.

The sum of Rs. 20,000 reported to be available for transfer to "Works" from the current year's grant for "Temporary establishment" is resumed and credited to the reserve with the Government under Provincial.

2. The further report with regard to permanent establishments will be awaited.

3. The following appropriations are made from the Provincial reserve:—

	RS.
(1) Conversion of two of the work-sheds in the Lunatic Asylum at Madras	5,100
(2) Improvements to the District Munsif's Court at Kásaragód	4,000
(3) Additions and improvements to the old Mint buildings at Madras to fit them for the Government Press	1,262
(4) Improvements to the Hobart Park at Ootacamund	6,540
(6) Adopting and improving the late Saidápet High School to provide accommodation for the Teachers' College	3,000
Total	19,902

(True Extract.)

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

To the Superintending Engineers I, IV and V Circles.
" Consulting Architect to Government.
" Examiner, Public Works Accounts.
" Judicial Department.
" Public Department.
" Ecclesiastical Department.
" Educational Department.

Exd. J. Henricus.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1888} Madras.
PUBLIC WORKS.

Dated November, 10th.

Recd.

Encl.

G.O., 10th Nov. 1888, No. 3572 W.

NOVEMBER.

Funds

Rs. 20,000 available from the current year's grant for temporary establishment resumed and credited to the reserve under Provincial and certain appropriations made therefrom.

CHIEF SECRETARIAT,
Madras, 14th December/88

OFFICE NOTE.

From

THE CHIEF SECRETARY,

To

The Secretary to
Government
P. W. D.

In returning the draft order on C.A. 12026 the undersigned has the honour to say that so far as the Departments under him are concerned, neither manuscript nor printed advices of transfers are desired.

2- The wishes of the Revenue Secretary may perhaps be met by substituting "except in the case of the Revenue and Military Departments for the last clause in para 2."

Hedrichhice
Chief Secretary.

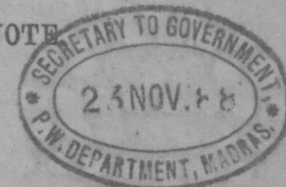
12/12/88
Proposed order
as shown in pencil
with all the
C.S.
15/12/88

1976

13

12026
CHIEF SECRETARIAT,
Madras, 22nd November 1888.

OFFICE NOTE



From

THE CHIEF SECRETARY,

To The Secretary to Govt. P.W. Dept.

It is believed that orders like Nos 3428 W, dated 29th October, 3572 W, dated 10th November, are printed and communicated to the departments concerned with reference to a request made years ago by a former Chief Secretary.

2. If action is taken on the order in the several departments, it must be communicated to several officers, and by them to others, at some cost of paper, ink and stamps: if no action is taken, there is no use in its coming to the departments.

3. There seems to be no profit in continuing to print and communicate statements of the kind, unless the Secretary to Govt. P.W.D. requires them for purposes of his own, and the undersigned would suggest that they be discontinued.

12
Reddish
Chief Secretary

P. W. DEPARTMENT.

Current No.

From

The Chief Secretary

ENCLOS.—

No. *Office note*

Dated 22.11.88

Received

SUBJECT.

Shading that it is of no
use printing and commun-
nicating ^{to the departments concerned} statements of
appropriations made for
Public Works under "Postal
Funds".

DISPOSAL

No.

Dated

The Chief Secretary } for favor
" Secum Secretary } of
" Military Secretary } counter-
initial

I understand that the note only refers to printing copies of orders & appropriating funds with which the Treasury Dept. are credited. Should I write to Congress in this matter? With your order.

Cite 27/11

Public Works Department

Current No. 5035

Letter No. *511*

Dated 3/2 May 1989

From the Judicial Dept.:-

The revised Estimate
under review amounting
to Rs 2,205 for constituting
a Sub Registrar Office
at Chodavaram is
submitted for sanction
in supersession of
the Est. for Rs 2,405
sanctioned in L.O.
No 751 W d/22-2-1906

The ground surface is
about less than the
previous one, the
paving is apparently
due to the revised
design, circulated
with L.O. No 2284
of 21/7/00, being adopted.
It is claimed
that

The execution of the
work was owing to
want of funds -

The building is to
be constructed in
accordance with
the Standard Plans
Est. Except that
the foundation and
basement are to be
of rough stone in
mortar, instead of
brick in mortar -

The rates are fair -
The total area of
the building is
996 sq. ft. and
will cost Rs 2-4-1
per sq. ft. -

The Est. has been
examined and
approved by the Inspector
General of Registration
and approved in
the Judicial Dept.:-

Cmnd

7/6/89.

IV

Please see the accounts
notes - It seems to me
that the present system
under which heads of
Departments are asked
to let whether estimates
(within the powers of Sts)
have been submitted, or
not, is open to objection;
and I understood that
in the I. Code, a list
of such estimates is
furnished to the Q.M.G.

In the case in which the
J.C. of Registration will
not know whether the
estimate for construction in
the Registrar's office at
Chandernagore has been
submitted or not; as there will
be no C.O. on the subject; &
apparently the St. will
not know either -

If C's office furnished
W's office with a copy
of the return of estimates
submitted by Sts, this statement

of Government.

The Enclosure is this

could be communicated to
the Dept concerned; but if
inconvenience is felt
concerning the present practice
I have no objection to
revisions or correspondence.

WCM
10.6.59 1976

The communication
of sanctions of S.E.
to Heads of Dept.
is not sent out more
often than their office
can cope with. The
sanctions ^{of this nature} are but
few in number, and
I think a general
order might issue
directing S.E.
according to the

Sanction
The following
estimate before sanction
12.6.59

B
This list is in the
the process of sanction
of the S.E. but if it
is returned to him for
sanction I do not
understand from the
receiving impression
regarding the sanction
is given to the Dept.
concerned. If sanctioned
by C.E. there is no
difficulty. Please
ascertain the procedure
in S.E.'s office regarding
estimated sanctions by
them - C's office will
know.

WCM
5.6.59

Dr. 11

C's office is furnished monthly
with a return of sanctioned estimates,
but is unable to say what is done
in S.E.'s offices in regard to commu-
nications to Departments concerned of
the estimates sanctioned by S.E.
I have however enquired in the office
of

ion of Government. 10

WCM 12.6.59

The Department of the Interior

of S. V. as regards the process
there followed in respect to estimates
sanctioned by the S. V. and S.
that no information whatever
of the estimates so sanctioned is
sent to the Departments concerned.
The same procedure was followed
in the case of estimates of Rs.
and below sanctioned by S. V.
before they were invested with
increased powers.

As the Chief Secretary does
not wish that orders on such
estimates should be communicated
to the Departments under him
except when a reference is necessary
to any officer, I beg to suggest,
subject to your approval, that
the Departments concerned be
informed only when the amounts
of estimates are altered by this
office or when sanctions to estimates
are refused.

Left

It would further
simplify procedure if
all estimates requiring
Govt. sanction came
up to the S. V. Dept. through
the S. G. G. W. These
officers have now
enlarged powers of
sanction, and many
estimates which they
can finally dispose of
are unnecessarily sent
up to Govt. by Heads
of Depts who are
unaware of the S. V.'s
powers of sanction.

Existing orders might
with the consent of all
Depts of the Secretariat,
be modified as follows.

All estimates prepared
by Public Works officers
should in the first
instance be sent to the
Departmental officer
concerned for approval,
after which they should
be returned to the P. W.
officer either for sanction

action of Government.

The Enclosure is this

the submission to the
the P.W. Dept.

All local sanctioning
should be communicated
to the Departmental
offices concerned by the
sanctioning authority.
The Engrs. or the S.
as the case may be.

Estimates beyond the
sanctioning power of
local officers should be
submitted to Govt. in the

P.W. Dept. by S. Engrs.
Such estimates should
after the requisite
professional examination
by the Chief Engr., and
approval by the Admini-
strative Dept. of the Secy to
rich Council, be sanctioned
in the P.W. Dept., and the

sanction communicated
directly to heads of Dept.
If sanctioning Depts. require
copies of sanctioning order
for records they can be
communicated; but
this will probably not be
necessary under the
revised procedure suggested.

Sd/-
H. Mis. m. f. R. S. 15.6.89

No. 69 4/4.

FROM,

Major L. MacNeil Campbell
SUPERINTENDING ENGINEER

TO,

FIRST CIRCLE.

THE

Inspector General
of Registration
Madras.

Dowlaishweram, 10th May 1889

Enclosed
1. Detailed Estimate
1. Abstract Estimate
1. Specification
1. Report.

SIR,

I have the honor to inform
you that an estimate of Rs. 2450 for
Constructing a Sub-Registrar's office
at Chodavaram in the Viragapatam
District was sanctioned in G.O. No.
751.W. dated the 23rd March/86. But
the work has not been executed owing
to want of funds.

* with Comparative
Statement.

2. A revised estimate prepared
in accordance with the revised type
design sanctioned in G.O. No. 2230.W. dated
21-7-88 is herewith submitted for the
above work and I request that you
will be so good as to transmit the same
for the sanction of Government.

3. The Chief Engineer has already
been requested to provide funds
for the work in the final issue
of the Provincial Budget for the
current year.

I have the honor to be

Sir,

Your most Obedt Servant

Wm. Campbell Major
Superintending Engineer
1st Circle.

7th 4.2343-22nd May 1889

Estacamento.

Submitted for the sanction of the

Government -

W. H. Hammett
Superintendent of Works

To his Chief Clerk to the Government.

1976

19

T 2781/88
T 880/86

FROM,

THE SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE *Inspector General of
Registration
Madras.*

DATED 10th
DESPATCHED 15th } *May* 1889
RECEIVED 20 }

No. 69 *W.P.*

R No. 4169

ENCLOSURES. 4

SUBJECT.

*Submit for sanction a
revised estimate for
Constructing a Sub Registrar
office at Chodavaram.*

*See in - Put in a bundle
& dispatched*

1976

20

S. E. T. Guide ✓ *Amesbury*
18.7.89
10/6 with 4 Enclos 2
P.S. 129/6. L.S. 23/7
1891