

Q. 6.1681 W. 7.6.88
B. No 2284 W. 20.7.88
Q. 6.1333 W. 7.5.88
" 1113 W. 23.4.87
" 2230 W. 21.7.88

P.W.C. No 8235

From (9)
The Superintending Engineer,
IIIrd Circle.

To
The Chief Engineer
P.W.D.
Madras

Dated 16 } August 1888
Received 20 }

Enclosures.

No 2692 Wd/31st August 1888
Funds not being
available with the
Govt the following
transfer of Rs 2500
proposed by the S.E.
III Circle is
suggested.

From
Sub Registrar's
Office Hindupur Rs 2500

To
Tahsy office
at Hindupur 2500

21.8.88

23/8/88

No. 1013

Tahsy Office at Hindupur
Bellary District.

Requesting to be informed if
work on the — can be proceeded
with by transfer of funds should
there be no funds at the disposal
of Govt.

21/8/88
23/8/88
25/8/88
26/8/88
27/8/88
28/8/88
29/8/88
30/8/88
31/8/88
Sd/- III Circle
Exr of P.W.D.
Judicial Dept

write order

Superintending Engineer's Office,
No. 1013 *Camp: Amburn* 3RD CIRCLE
Battery 16 August 1888.

FROM *Col A. Smalley R.E.*
~~THE~~ SUPERINTENDING ENGINEER,
IIIrd CIRCLE.

To

~~THE~~ *Chief Engineer*
B.D.D.
Madras

SIR,

Enclosures.

With reference to G.O. No. 1681 dated
7th June/88, I have the honor to request
you will be so good as to let me know
if work on the Taluk office at Kudlighi
can be commenced; and to suggest
in that case the following transfer of
funds, should funds be not available
at the disposal of Government.

From
Sub Registrar's office to Taluk office at
Hindupur Item No. 65 } 2504 Kudlighi — } 2504
Final Budget 1888-89

Work on the Sub Registrar's office at
Hindupur is deferred pending the submission
of a revised estimate in accordance with
the revised standard design agreeably to G.O.
No. 2218 of 20th July/88.

I have the honor to be
Yours truly
A. Smalley Col. R.E.
Superintendent Engineer 3rd Circle

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 of each description of work.
		Length.	Breadth.	Depth.		
Earth filling in basement—		FT. IN.	FT. IN.	FT. IN.		
Record room	1	25 6	12 0	1 6	747	
Clerks' do.	1	16 0	12 0	1 6		
Registrar's room	1	9 6	12 0	2 6		
Verandah	1	24 6	5 9	1 6	211	
					C. feet.	1,243
Concrete—						
Outer walls	...	108 0	3 6	1 6	696	
Cross wall	1	24 6	3 6	1 6		
Verandah wall	...	35 6	2 4 $\frac{1}{2}$	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 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	749	
Cross wall do.	...	25 1 $\frac{1}{2}$	1 10 $\frac{1}{2}$	3 0		
Verandah wall do.	...	37 1 $\frac{1}{2}$	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.	1,468
Brick-work in superstructure—						
Outer walls	...	108 0	1 6	13 0	2,106	2,821
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	
Deductions—						
Doors	2	4 0	1 6	8 0	96	392
Windows	8	3 6	1 6	5 0	210	
Arch-work as per details	...	...	...	...	86	
					C. feet.	2,429
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. 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	2
Do. planks at ends	2	7 0	0 1	1 6		
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.
					2 in number.	
Sun-shades complete	...					
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	1,836
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—						
Doors	3	4 0	...	5 0	60	200
Windows	8	3 6	...	5 0	140	
					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	288
Plinth exterior	...	123 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	...	
					S. feet.	36
					Squares.	726
						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	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 do.				
75 "	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		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 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, batted 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 $\frac{1}{2}$ 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" $\times$ 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.		
Excavation for foundations—						
Outer walls		FT. IN.	FT. IN.	FT. IN.		
Cross wall	1	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	1	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.		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	
					C. feet.	1,468
Brick-work in superstructure—		108 0	1 6	12 6	2,025	
Outer walls	...	25 6	1 6	21 6	822	
Cross wall	1	28 6	1 6	4 9	406	
Gables	2					3,253
Deductions—		4 0	1 6	8 0	96	
Doors	2	3 6	1 6	5 0	210	
Windows	8				86	
Arch-work as per details...	...					392
					C. feet.	2,861
Arches over doors and windows—		5 6	1 6	1 1½	86	C. feet.
Over doors	2	5 0	1 6	1 1½		
Windows	8					
Stone-work—		0 10½	0 10½	0 6	2	C. feet.
Under posts	4					
Wood-work—		26 0	0 4	0 3	7	
Wall-plates	3	18 6	0 3	0 7	97	
Rafters	36					
Railing in clerks' room—		9 6	0 3	0 2½	1	
Hand rail	1	9 6	0 3	0 2½		
Bottom piece	1	3 0	0 1½	0 1½	1	
Uprights	17	3 6	0 3	0 3		
Do. at end	1					
Verandah—		0 6	0 6	8 0	7	
Posts	2	0 6	0 6	6 6		
Do.	2	1 0	0 6	0 4	1	
Brackets	2	0 7½	0 6	0 6		
Do.	2	10 0	0 6	0 6	5	
Bressummers	2	7 0	0 3	0 4	1	
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	1	
Planking at ends	2	7 0	0 1	2 6	3	
					C. feet.	144
Venetian and panel doors with frames complete	1	4 0	...	8 0	32	Sq. feet.

Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
		FT. IN.	FT. IN.	FT. IN.		
Batten door with frames complete ...	1	4 0	...	8 0	32	Sq. feet.
Venetian windows with frames complete for office ...	2	3 6	...	5 0	35	Sq. feet.
Venetian windows with glazed inner shutters for office ...	2	3 6	...	5 0	35	Sq. feet.
Batten windows with frames, iron bars, and inner glazed shutters for record room ...	4	3 6	...	5 0	70	Sq. feet.
Galvanised iron wire-netting between joists ...	2	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	
					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—	1	25 6	...	12 0	306	
Office ...	1	4 0	...	1 6	6	
Door piece ...	1	26 0	...	6 6	169	
Verandah ...	1	11 6	...	3 0	35	
Steps ...					Sq. feet.	516
					Squares.	5.16
Flooring with asphalt $\frac{3}{4}$ inch thick over a bed of concrete 4 inches thick—	1	25 6	...	12 0	306	
Record room ...	1	4 0	...	1 0	4	
Door piece ...					Sq. feet.	310
					Squares.	3.10
Painting with three coats of Carson's paint—	36	18 6	...	1 5	944	
Rafters ...	...	18 0	...	3 0	54	
Railing ...						
Verandah—	2	2 0	...	7 6	54	
Posts ...	2	2 0	...	6 0		
Do. ...	2	1 0	...	1 3	3	
Brackets ...	2	1 0	...	1 6	3	
Do. ...	2	10 0	...	2 0	40	
Bressummers ...	2	7 0	...	0 6	7	
Piece at end ...	...	30 0	...	1 0	30	
Valley rafter and ridge ...	...	212 0	...	0 10 $\frac{1}{2}$	186	
Rafters ...	...	10 6	...	1 0	11	
Collar piece and finial ...	2	7 0	...	1 1	15	
Planks ...	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						
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 ...		"		
864 "	Concrete in foundations ...		100 C. feet.		
1,468 "	Brick-work in foundations and basement ...		"		
2,861 "	Brick-work in superstructure ...		"		
86 "	Arch-work ...		"		
2 "	Stone-work under posts ...		C. feet.		
144 "	Teakwood wrought and put up ...		"		
32 Sq. feet.	Venetian and panelled door with frames, hooks and rim lock, complete ...		Sq. feet.		
32 "	Batten door with frames, hooks, and rim lock, complete ...		"		
35 "	Venetian windows with frames, hooks, &c., complete ...		"		
35 "	Venetian windows with frames and glazed inner shutters, hooks, &c., complete ...		"		
70 "	Battened windows with frames, iron bars, and inner glazed shutters, hooks, &c., complete ...		"		
35 "	Galvanised iron wire-netting fixed.		"		
2 No.	Sun-shades ...		Each.		
24.55 Squares.	Tiled roofing with flat and pan-tiles and teak reepers ...		Square.		
22 21 "	Plastering interior walls with two coats of chunam ...		"		
7.62 "	Plastering interior walls with Portland cement $\frac{1}{2}$ an inch thick ...		"		
14.67 "	Pointing exterior walls ...		"		
5.16 "	Flooring with 8-inch square bricks laid in mortar over a levelling course of wall bricks ...		"		
3.10 "	Flooring with asphalt $\frac{3}{4}$ inch thick over a bed of concrete 4 inches thick ...		"		
23.03 "	Painting with three coats of Carson's paint ...		"		
	Petty supervision at $2\frac{1}{2}$ per cent.		"		
	Contingencies at 5 per cent ...		"		
	Grand Total of Estimate ...				

MADRAS,
8th June 1888.

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

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

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

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

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

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.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.
OOTACAMUND,
16th June 1888.

Referred to the Inspector-General of Registration for remarks.
(By Order.)

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

22nd June 1888.

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

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

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

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

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

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

(By Order.)

7th July 1888.

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

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

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

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

(True Extract.)

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

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

Exd. F. R. Bantleman.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. 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.

7TH JUNE 1888, No. 1681 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

Proceedings of the Board of Revenue (Land Revenue), dated 25th April 1888, Mis. No. 2646.

HON'BLE W. S. WHITESIDE.

Read—the following letter from Colonel H. SMALLEY, R.E., Superintending Engineer, III Circle, to the Collector of Bellary, dated Bellary, 9th April 1888, No. 60 :—

I have the honor to forward, for your countersignature and transmission to Government for sanction, an estimate, amounting to Rs. 24,862, for constructing a first-class taluk office at Kúdligi on the standard plan approved in G.O. No. 1495 W., dated 3rd June 1887.

2. An estimate, amounting to Rs. 31,520, was approved for this work in G.O. No. 401, dated 31st May 1886, in the Revenue Department, but the estimate was returned in the Public Works Department for revision in accordance with the standard design above referred to.

Submitted to Government for sanction through the Board of Revenue (Land Revenue).

17th April 1888.

(Signed) H. ST. A. GOODRICH,
Collector.

Resolution—dated 25th April 1888, Mis. No. 2646.

The site-plan and the revised estimate for constructing a first-class taluk catcherry at Kúdligi, at a cost of Rs. 24,862, are submitted for the sanction of Government and the provision of funds in the budget of the Public Works Department.

(True Extract.)

(Signed) H. A. SIM,
Ag. Secretary.

No. 2866, Revenue.

Approved and transferred to the Public Works Department.

OOTACAMUND,
15th May 1888.

(Signed) J. F. PRICE,
Secretary to Government.

ORDER—dated 7th June 1888, No. 1681 W., Public Works.

The estimate for constructing a first-class taluk office at Kúdligi, in the Bellary district, reduced to Rs. 23,871 by omission of the cost (Rs. 991) of a ryot's shed, is sanctioned.

2. It is not intended that ryot's sheds should be built in connection with taluk cutcherries on the revised standard plan.

3. The Superintending Engineer will report what sum can be spent on the work during the current official year.

4. This sanction has been registered as Provincial No. 34 W. of 1888-89, and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, III Circle, with six enclosures.
„ Examiner, Public Works Accounts, with duplicate abstract estimate.
„ Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1888) Madras.
PUBLIC WORKS.

Dated June, 7th.

Recd.

Encl.

G.O., 7th June 1888, No. 1681 W.

JUNE.

Taluk office at Kudligi

Estimate for constructing a first-class —,
in the Bellary district, sanctioned with
remarks.

23RD APRIL 1887, No. 1113 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From Colonel H. M. VIBART, R.E., Superintending Engineer, III Circle, to
the Inspector-General of Registration, dated Bellary, 17th March 1887,
No. 2492.

With reference to G.O., No. 1448 W., dated 9th June 1886, I have the honor
to forward, for sanction of Government, an estimate of Rs. 2,910 for constructing a
Sub-registrar's office at Hindupur, in the Bellary district, in accordance with the
standard design sanctioned in G.O., No. 1049 W., dated 5th May 1885.

2. The Tahsildar's office is situated in the centre of the town of Hindupur and it
has no compound or enclosing walls, but is surrounded by narrow lanes and houses,
affording no possible site for the erection of a Sub-registrar's office. The only
available sites are those marked on the plan A and B, of which the Sub-registrar and
the Tahsildar prefer the site B as being more suitable than the site A, which is said
to be noisy on account of its proximity to the market, &c.

Endorsement on the above.

G. No. 772.

Submitted for the sanction of the Government.

2. The necessity for constructing the building was brought to the notice of the
Government in my letter, T. No. 2125, dated the 23rd May 1886.

MADRAS,
21st March 1887.

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

To the Chief Secretary to the Government.

Approved and transferred to the Public Works Department.

(By Order.)

(Signed) H. A. STUART,
Under Secy., J.D.

4th April 1887.

Note by the Chief Engineer, Public Works Department.

The plan and estimate, amounting to Rs. 2,910, for constructing a Sub-registrar's
office at Hindupur, in the Bellary district, are recommended for the sanction of the
Government, with the following remarks.

2. The site for the building has not been definitely fixed. Of the alternative sites proposed, one is private property, and if it be decided to acquire it, provision should be made in the estimate for compensation. The Superintending Engineer should report on the subject.

21st April 1887.

(Signed) J. O. HASTED, Colonel, R.E.,
Chief Engineer, P.W.D.

ORDER—dated 23rd April 1887, No. 1113 W., Public Works.

The estimate, amounting to Rs. 2,910, for constructing a Sub-registrar's office at Hindupur, Bellary district, is sanctioned for execution when funds are available.

2. Attention is drawn to the note by the Chief Engineer, Public Works Department, above recorded.

3. The sanction accorded in paragraph 1 of these proceedings has been registered as Provincial, No. 7 W. of 1887-88, and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, III Circle, with six enclosures.
" Examiner, Public Works Accounts, with the duplicate abstract estimate.
" Judicial Department.

Exd. P. L. Pereira.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1887 Madras.

PUBLIC WORKS.

Dated April, 23rd.

Recd.

Encl.

G.O., 23rd April 1887, No. 1113 W.

APRIL.

Sub-Registrar's Office

Estimate of Rs. 2,910 for constructing a
— at Hindupur, Bellary district, sanctioned.