

- (1) பக்கங்களின் எண்ணிக்கை 20
 (2) புதுக்கித் திருப்பிய நாள் 9/90
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் lona

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

(41)

P. W. D. துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	3258 W	அச்சகம் பலவகை
நாள் :	04 - 12 - 1891	198.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

10 sheets

ஆவண. கா-1-18,000-15-6-87.

Admission

3258
1

Annexure to G.O., No. 1320 W., dated 13th May 1891.

REVISED standard design for Sub-Registrar's office with terraced roofing (for the larger class of office).

GENERAL 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 according to the thickness shown in the drawing.

Cuddapah slabs for cornice.—The Cuddapah slabs for the cornice should project about 2 feet from the face of the wall; the joints should be dressed so that the slabs may fit close together and pointed. Where Cuddapah or any other suitable stone slabs are not procurable, the cornice may be finished by projecting the joists and carrying the terrace over it, as shown in the detailed drawing of parapet.

Woodwork.—To be of Burma teak, well seasoned.

Doors.—The entrance and record-room to have strong battened doors fitted with good locks.

Windows.—To be of venetians with $\frac{3}{4}$ inch iron bars fixed diagonally; all windows not protected by verandahs to have glazed inner shutters.

Ventilators.—To be of glass to swing on strong side pivots and $\frac{3}{4}$ inch square iron bars laid horizontally as shown in details. 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.

Roofing.—To be of "pukka terracing," care being taken to make proper slopes towards the holes in the parapets; the water will flow over the slabs and fall clear of the building.

Flooring.—The floor may be of Cuddapah slabs or square bricks. The record-room should be floored with asphalt $\frac{3}{4}$ inch thick over a bed of concrete 4 inches 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 doors and windows to be painted with three coats of Carson's oak paint and the roof timbers stained with three coats of wood-oil.

(Signed) H. IRWIN,
Consulting Architect to Government.

CHEPÁK,
17th January 1891.

REVISED standard design for a Sub-Registrar's office with tiled roofing (for the larger class of office).

GENERAL 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 according to the thicknesses shown in the drawing.

Woodwork.—To be of Burma teak, well seasoned.

Doors.—The entrance and record-room to have strong battened doors fitted with good locks.

Windows.—To be of venetians with $\frac{3}{4}$ inch iron bars fixed diagonally; all windows not protected by verandahs to have glazed inner shutters.

Ventilators.—To be of glass to swing on strong side pivots and $\frac{3}{4}$ inch square iron bars laid horizontally as shown in details. 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.

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. The valleys should be laid with lead sheeting $\frac{1}{16}$ inch thick and 2 feet wide, placed under the pan tiles.

Flooring.—The floor may be of Cuddapah slabs or square bricks. The record-room should be floored with asphalt, $\frac{3}{4}$ inch thick over a bed of concrete 4 inches 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 doors and windows to be painted with three coats of Carson's oak paint and the roof timbers stained with three coats of wood-oil.

CHEPÁK,
17th January 1891.

(Signed) H. IRWIN,
Consulting Architect to Government.

ENCLOSURE.

ESTIMATE form—Detail measurements.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Excavation for foundations—						
Central portion, longitudinal walls	2	19 6	4 0	4 0	2,688	
Ends	2	64 6	4 0	4 0		
Partition	1	9 6	3 0	4 0	114	
Verandah wall	1	19 6	3 6	4 0	273	
Steps	1	21 6	3 0	1 6	97	
Total, Cubic feet ...	...	...	...	...	...	3,172

Estimate form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Concrete in foundations—						
Central portion, longitudinal walls	2	19 6	4 0	1 6	1,608	
Ends	2	64 6	4 0	1 6		
Partition	1	9 6	3 0	1 6	43	
Verandah wall	1	19 6	3 6	1 6	102	
Steps	1	21 6	3 0	1 6	97	
Total, Cubic feet ...	...	...	...	...	...	1,250
Brickwork in foundations and basement—						
Footings—						
Central portion, longitudinal wall	2	21 0	2 6	1 0	420	
Ends	2	63 0	2 6	1 0		
Partition	1	11 0	2 1 1/2	1 0	23	
Verandah wall	1	21 0	2 3	1 0	47	
Above footing to floor level, central portion, longitudinal walls	2	21 6	2 0	3 6	301	
Ends	2	62 6	2 0	3 6	875	
Partition	1	11 6	1 7 1/2	3 6	65	
Verandah wall	1	21 6	1 9	3 6	132	
Steps	1	21 6	3 0	1 0	65	
Total, Cubic feet ...	...	...	...	...	...	1,928
Brickwork in superstructure—						
Central portion, longitudinal walls	2	22 0	1 6	13 0	3,276	
Ends	2	62 0	1 6	13 0		
Partition	1	12 0	1 1 1/2	13 0	176	
Do. gable	1	12 0	1 1 1/2	2 0	27	
Gables	4	15 0	1 6	2 6	225	
Verandah piers	3	1 3	1 3	6 6	30	
Coping	1	1 6	1 6	0 9	2	
Total, Cubic feet ...	...	...	...	...	...	3,736
Deductions—						
Door	1	4 0	1 6	8 0	48	
Do	1	4 0	1 1 1/2	8 0	36	
Windows	9	3 6	1 6	5 0	236	
Ventilators	6	3 6	1 6	3 0	95	
Archwork as per detail ...	...	...	...	...	128	543
Total, Cubic feet ...	...	...	...	...	...	3,193
Earth-filling in basement—						
Rooms at sides	2	21 6	11 6	1 6	1,157	
Do. at centre	1	8 3	11 6	1 6		
Do. at do.	1	15 7 1/2	11 6	1 6	169	
Verandah	1	21 6	5 3	1 6		
Total, Cubic feet ...	...	...	...	...	...	1,326

Estimate form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Archwork—						
Over door ...	1	5 0	1 6	1 1½	8	
Do. ...	1	5 0	1 1½	1 1½	6	
Over windows and ventilators ...	15	4 6	1 6	1 1½	114	
Total, Cubic feet ...	...	...	...	...	...	128
Teakwood—						
Ridge ...	1	37 0	0 3	0 5	10	
Do. ...	2	28 0	0 3	0 5		
Wall plates ...	2	25 0	0 3	0 3	9	
Do. ...	2	28 0	0 3	0 3		
Do. ...	2	12 0	0 3	0 3	5	
Do. ...	2	4 0	0 3	0 3		
Bressummers ...	3	8 0	0 6	0 5	1	
Plates under do. ...	4	1 3	1 3	0 2	6	
Hip rafters ...	4	15 0	0 3	0 5	110	
Common rafters ...	70	11 0	0 2½	0 4		
Do. next verandah ...	14	9 6	0 2½	0 4	4	
Do. verandah ...	16	11 6	0 2½	0 4		
Jack rafters ...	8	8 6	0 2½	0 4	3	
Do. ...	8	7 6	0 2½	0 4		
Do. ...	8	6 0	0 2½	0 4	1	
Do. ...	8	4 0	0 2½	0 4		
Do. ...	8	2 6	0 2½	0 4	88	
Collar pieces ...	38	7 0	0 2½	0 4		
Barge boards ...	8	11 6	0 1	0 6	70	
Do. pieces to cover wall plates ...	8	0 10	0 1	0 6		
Do. do. ridge ...	4	0 10	0 1	0 7½	63	
Eave boards ...	2	28 0	0	0 5		
Do. ...	1	19 6	0	0 5	70	
Do. ...	1	22 0	0	0 5		
Do. ...	2	8 0	0	0 5	88	
Do. ...	2	2 0	0	0 5		
Total, Cubic feet ...	...	...	...	...	...	149
Panelled doors with frames and iron fastenings complete ...	2	4 0	...	8 0	64	
Total, Square feet ...	...	...	...	...	...	64
Venetian windows with frames ¾ inch square iron bars and inner glazed shutters ...	5	3 6	...	5 0	88	
Total, Square feet ...	...	...	...	...	...	88
Venetian windows with frames and iron bars ...	4	3 6	...	5 0	70	
Total, Square feet ...	...	...	...	...	...	70
Swing ventilators with glass and ¾ inch square iron bars across ...	6	3 6	...	3 0	63	
Total, Square feet ...	...	...	...	...	...	63

Estimate form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Roofing with flat and pan tiles and teak reapers complete—						
Central portion ...	1	22 0	...	31 0	682	
Ends ...	2	28 0	...	22 0	1,232	
Total, Square feet ...	...	...	...	...	...	1,914
Lead sheeting 1½ inch thick for valleys—						
Allowing for overlapping at joints ...	4	17 0	...	2 0	136 × 3.7 = 503	lb.
Flooring—						
Clerks' room ...	1	22 0	...	12 0	264	
Registrar's room ...	1	15 7½	...	12 0	188	
Verandah ...	1	22 0	...	7 3	160	
Door-piece ...	1	4 0	...	1 6	6	
Steps ...	1	21 6	...	3 0	65	
Deduct for verandah piers ...	3	1 3	...	1 3	5	683
Total, Square feet ...	...	...	...	...	...	5
Flooring with asphalt ¾ inch thick over a 4-inch bed of concrete—						
Record-room ...	1	22 0	...	12 0	264	
Do. ...	1	8 3	...	12 0	99	
Door-piece ...	1	4 0	...	1 1½	5	
Total, Square feet ...	...	...	...	...	...	368
Plastering interior with 2 coats of chunam—						
Clerks' and Registrar's room ...	...	99 3	...	13 0	2,389	
Record-room ...	...	84 6	...	13 0		
Gables ...	6	12 0	...	2 0	144	
Door jambs and soffits ...	1	20 0	...	1 0	20	
Do. do. ...	1	20 0	...	0 7½	13	
Window do. ...	9	17 0	...	1 0	153	
Do. do. ...	6	13 0	...	1 0	78	
Total, Square feet ...	...	...	...	...	...	2,797
Deductions—						
Doors ...	3	4 0	...	8 0	96	
Windows ...	9	3 6	...	5 0	158	
Ventilators ...	6	3 6	...	3 0	63	317
Total, Square feet ...	...	...	...	...	...	2,480
Pointing exterior—						
Plinth ...	...	162 0	...	2 3	365	
Walls ...	2	174 0	...	18 0	2,262	
Pillars ...	2	5 0	...	7 6	94	
Do. ...	2	1 3	...	7 6		
Gables ...	4	15 0	...	2 6	150	
Total, Square feet ...	...	...	...	...	...	2,871

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Estimate form—Detail measurements—cont.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Deductions—						
Doors	1	4 0	...	8 0	32	
Windows	9	3 6	...	5 0	158	
Ventilators	6	3 6	...	3 0	63	253
Total, Square feet ...	...	...	...	...	...	2,618
Painting doors and windows with 3 coats Carson's paint—						
Doors 2 ×	2	4 0	...	8 0	128	
Windows with glazed shutters 5 ×	5	3 6	...	5 0	438	
Windows without glazed shutters 4 ×	4	3 6	...	5 0	280	
Ventilators 3 ×	6	3 6	...	3 0	189	
Barge boards	8	12 0	...	0 8	64	
Eave boards	...	117 6	...	0 10½	103	
Total, Square feet ...	...	...	...	...	...	1,202
Wood-oiling roof timbers—						
Ridges	...	93 0	...	1 1	101	
Wall plates	...	138 0	...	1 0	138	
Bressummer	...	24 0	...	1 10	44	
Hip rafters	...	60 0	...	1 4	80	
Common and jack rafters ...	...	1581 0	...	1 1	1,713	
Total, Square feet ...	...	...	...	...	...	2,076

ESTIMATE form—Abstract.

Quantity.	Description of work.	Rate.	Per.	Amount.	Total.
1	2	3	4	5	6
3,172 C. feet.	Excavation for foundations (rate to include refilling of trenches after foundations are laid)	RS.		RS.	RS.
1,250 "	Concrete	...	1,000 C. ft.	...	...
1,928 "	Brickwork in foundations and basement.	...	100 C. ft.	...	...
3,193 "	Brickwork in superstructure	...	"	...	...
1,326 "	Earth-filling in basement	...	1,000 C. ft.	...	...
128 "	Archwork	...	100 C. ft.	...	...
149 "	Teakwood wrought and put up	...	C. feet.	...	...
64 Sq. feet	Panelled doors with frames and iron fastenings including rim locks	...	Sq. feet.	...	...
88 "	Venetian windows with frames, iron bars and inner glazed shutters	...	"	...	...
70 "	Venetian windows with frames and iron bars	...	"	...	...
63 "	Swing ventilators with frames, iron bars and glazed sashes	...	"	...	...
1,914 "	Roofing with flat and pan tiles and teak reapers complete	...	"	...	...
503 Lb.	Lead sheeting for valleys	...	100 Sq. ft. Lb.	...	...

Estimate form—Abstract—cont.

Quantity.	Description of work.	Rate.	Per.	Amount.	Total.
1	2	3	4	5	6
		RS.	100 Sq. ft.	RS.	RS.
678 Sq. feet.	Flooring ¾ inch thick over a bed of concrete	...	"	...	...
368 "	Plastering interior with chunam, 2 coats of chunam	...	"	...	...
2,480 "	Pointing exterior	...	"	...	...
2,618 "	Painting with 3 coats of Carson's paint...	...	"	...	...
1,202 "	Wood-oiling roof timbers, 3 coats	...	"	...	...
2,076 "	Petty supervision at 2½ per cent.	...	"	...	...
	Contingencies at 5 per cent.	...	"	...	...
	Total	...	"	...	...
	Grand Total of estimate	...	"	...	...

CHEPÁK,
17th January 1891.

(Signed) H. IRWIN,
Consulting Architect to Government.

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GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From H. IRWIN, Esq., C.I.E., Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepāk, 17th January 1891, No. 3064.

With reference to G.O., No. 2177 W., dated the 11th August 1890, I have the honour to submit revised standard plans with quantities for Sub-Registrars' offices with terrace and tile roofing prepared in communication with the Inspector-General of Registration.

G.O., dated 22nd April 1891, No. 791, Judicial.

Read—the following papers :—

Memorandum from the Public Works Department, dated 22nd January 1891, No. 356 C.

From M.R.Ry. S. SRINIVASA RAGHAVAIYANGAR, Avargal, Dewan Bahadur, Inspector-General of Registration, Madras, to the Chief Secretary to Government, dated Koilpatti, 2nd March 1891, T. No. 553.

Adverting to Government reference, dated 13th ultimo, on Current No. 375, Judicial, forwarding, for my remarks, revised standard designs for the larger Sub-Registry offices prepared by the Consulting Architect to Government, I have the honour to state that the accommodation provided is suitable and will meet requirements.

2. The type designs sanctioned in G.O., dated 21st July 1888, No. 2230 W., may be followed in respect of the Sub-Registry offices where the clerical establishment consists of three clerks and less.

3. As regards the District Registrars' offices, the question of transferring the records of Sub-Registry offices to the Registrars' offices is still under consideration, and as larger accommodation will have to be provided, some alteration in the sanctioned designs will become necessary. I shall report on this subject when I submit my proposals for the transfer of the records of the sub-offices to the district offices.

4. I beg to return the enclosures received with the Government reference.

From M.R.Ry. S. SRINIVASA RAGHAVAIYANGAR, Avargal, Dewan Bahadur, Inspector-General of Registration, Madras, to the Chief Secretary to Government, dated Madras, 10th April 1891, G. No. 846.

Adverting to the Government reference on No. 1081, dated 7th April 1891, I have the honour to state that the scheme for the transfer of records of the Sub-Registrars' offices to the Registrars' offices will not obviate the necessity for providing increased accommodation in the larger sub-offices, as such increased accommodation is

required on account of the large number of clerks which it has been found necessary to employ of late years owing to the rapid growth of registrations. Moreover, 20 years' records will always have to be retained in the sub-offices and the space allowed for records in the revised standard plan now before Government is not more than is required to hold them, especially when it is remembered that the records of each year increase as compared with those of the previous year.

Order—dated 22nd April 1891, No. 791, Judicial.

Transferred to the Public Works Department with an intimation that Government approves of the revised type designs for the larger class of Sub-registry offices.

(True Extract.)

(Signed) J. F. PRICE,
Chief Secretary.

ORDER—dated 13th May 1891, No. 1320 W., Public Works.

The revised type plans and quantities submitted by the Consulting Architect are approved for the larger Sub-Registrars' offices, viz., those accommodating more than three clerks. In cases where the establishment is smaller, the design circulated with G.O., No. 2230 W., dated 21st July 1888, should be adopted.

2. The type designs for Registrars' offices sanctioned in G.O., No. 120 W., dated 14th June 1882, are unaffected by the present order.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers,
To the Consulting Architect to Government, } with designs and quantities.
„ Judicial Department,

Exd. A. Aubert.
Spare Copies

3258/8

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of {1891} Madras.
PUBLIC WORKS.

Dated May, 13th.

Read.

Encl.

G.O., 13th May 1891, No. 1320 W.

MAY.

Sub-Registrars' Offices

Revised type plans submitted by the Consulting Architect for the larger —, viz., those accommodating more than three clerks, approved with remarks.

Judicial Department.

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PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following paper:—

From the Inspector General of Registration,
dtd 11th November 1891 No 5335, requesting
sanction for the construction of a new
office for the Sub Registrar of Bankura,
Dumrauli District; on the standard —
design ^{for larger office} approved in G.O. dtd 13th May
1891 No 1320 W, as the Executive Engineer
of the Division, who has examined the
old Munsiff's Court house in which the
office is now held and which consists
of two small buildings one of which
is thatched and the other tiled, con-
siders that it cannot be satisfactorily
altered and adapted for a registration
office.

Order 24th November 1891 No. 2425

The Inspector General's
recommendation in para 1 is approved
and the order necessary for the
preparation

preparation of plans and estimates
will be issued in the Public Works
Department.

(Dues Extract)

Attest

of: Under Secy.

22

The Public Works Dept ✓
" Inspector General of Ry.

22

32.58
10

Gobt. of 18 Madras

12 3258 Wdy 4th Dec /91.

To

The M.D.

Communicated to the
Communicated
Superintending Engineer
to the Suptg. Engr. new
VI Circle in view to an
estimate for the work
being prepared.

Recd 2.12.91

Proceedings, dated 27-11-1891.
No. 24257

Subject

Approving the S.E.'s
recommendation for
the construction of
a new office for the
Sub Registrar at
Tanjore in the
standard design for
lower offices -

503
2.12.91

(10)

7 Nov 4/11
S. E. VI Circle

S. E. VI Circle

S. E. VI Circle

In the order

S. C. 5.11
210/12