18.5.95 No. 1185W

2867

Govt. of (1895) Madras.

PUBLIC WORKS.

Dated 3/8/95

Recd. Encl.

G.O., 6/8/ 1895 No. 1948W

Type design

The — with Schedule of quantities, for a Stationary Sub Magistrate's office with tiled roofing circulated to offices of the P. W. Depts.

240/IX

12/8

PUBLIC WORKS DEPARTMENT.

No 1948 W. d/ 6th August 1895

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From the Consg: Architect to Govt:, No 106, d/18 April 1895.

3 P

Design to be lithographed

The type design, with schedule of quantities, for a Stationary Sub Magistrates' Office, with tiled roofing, is circulated to Officers of the Public Works Department, in continuation of G.O. No: 427 W. dated 19th February 1895.

To include record racks & ladder in the estimate.

DESPATCHED
11 NOV. 95

Supdg: Engineers.
C. A. to Govt:.
Revenue Dept:
Judicial Dept.

Copy with type design 11/11/95

C.W.B. 31/7

1/8

(40—4,000—14-3-95.)

Plastering or Pointing The interior face walls are to be plastered with 2 coats of chunam & the exterior pointed with tar & asphalte.

Flooring is to be of Cuddapah slabs 2" thick laid over 4" of concrete & pointed with tar & sand.

Roofing is to be of Mangalore tiles laid over teak reepers, rafters &c. & supported on trusses, as shewn on plans, & ceiled with ½" teak planks.

Doors and Windows are to be of the description noted in the estimate of teakwood & painted with 3 coats of oak paint.

Roof timbers are to be teakwood & wood oiled 3 coats.

Scantlings are correct.

Rates are fair.

Yes

The plinth area of the main building is 3373 square feet, and the cost per square foot will be Rs. Rs 2-5-2.

The plan~~s~~ and estimate~~s~~ have not been ~~countersigned by the~~ approved in the Revenue Dept. ~~and approved in the~~ but the design for ~~Department~~ terraced roofing has been approved in No. 4941 Rev. of 15-12-94.

I think not

REMARKS.

With reference to G.O. No. 1937 W dated 4th August 1894 & in continuation of C.A.'s letter No. 2301 dated 3rd November 1894, the Consulting Architect to Govt. submits a type design with schedule of quantities & description specification for a Stationary Sub-Magistrate's office with tiled roofing.

Yes

The area of accommodation proposed is the same as that for terraced roofing, circulated with G.O. No. 427 W dated 19th Febr 1895, viz:

Court room - 25.0" x 18.0"
Clerks room - 25.6" x 16.0"
Private room. 12.0" x 16.0"
Record room. 26.0" x 16.0"
Verandah bath room 6.6" x 6.5¼"
& with verandahs 7.9" wide.

C.W.B. 31/7

Provision has now been made for record racks & ladder.
7-VIII-95

No provision has been made for record racks & a wooden moveable ladder, these may be provided under para 2 Chap X, Vol I, of the Code, as being fixtures; if approved they will be included in the estimate before it is printed.

As the design for terraced roofing has already been approved in the Revenue Dept. there appears to be no necessity to forward this design to that Dept. for approval.

The design will be prepared for lithographing.

The amount of the estimate has been altered from Rs 7820 to Rs 7830 owing to error in quantities.

26.VII.95

The amount of estimate will depend on the locality & the nature of the soil

C.W.B.
31/7/95

No. 1948 W. of 6th Aug. 1895

Public Works Department.

Current No. 2867. P 259/

Letter No. 106

Dated 8th April 1895

From the Consulting Architect to Govt.

NOTE BY TECHNICAL SECTION.

Name of Work Constructing a Stationary Sub Magistrates Office, tiled roofing.

Amount of Estimate, Rs. 7,830.

PARTICULARS OF ESTIMATE.

Main Building	Office	Rs.	7,280
Subsidiary Buildings	..	„	..
Contingencies	5%	„	365
Petty Supervision	2½%	„	185
Land compensation	..	„	..
Total Rupees ...			7,830.

PARTICULARS OF CONSTRUCTION.

Surface soil } not mentioned, being a standard
Sub soil } estimate.

Foundations are to be laid to a depth of 4'6", the lower 4 feet to be laid with concrete & the upper 6 inches built with stock bricks in chunam.

Basement is to be raised 2 feet & built of stock brick in chunam.

Walls are to be raised, as per heights noted on the design & built of stock bricks in chunam, with archwork over doors & windows.

Dr/ The object of marking the depth of foundations 4'6" is ~~to arrive~~ at an approximate cost of the building. This depth will depend on the nature of soil met with in construction.

Ahs.
9.viii.95

They are also shewn broken, which means that the depth is indefinite - which is as it should be shewn, for it depends on the nature of the soil. The object of marking the depth 4'-6" is not apparent. It should be eliminated.

2867

Public Works Department.

No. 427 W. of 19-2-95

From

THE CONSULTING ARCHITECT
TO THE GOVERNMENT OF MADRAS,

To

THE Chief Engineer
P. W. D.

Enclos 4 (Plans)
Recd. 9.4.95

No. 106

Dated 8th } April 1895.
Received

No. OF ENCLOSURES. 4

Subject.

Submitting a standard design with schedule of quantities for a stationary sub Magistrates office with tiled roofing.

For examination

CWB 9/4/95

0-25259

C.A./1 1,000-29-1-94.

Office of the Consulting Architect to Govt,
Chepauk, Madras.
8th April 1895.

No. 106

From

Henry Irwin, Esq., C.I.E.,
Consulting Architect
to the Government of Madras,

1 Rou

To

The Chief Engineer
Public Works Department.

Sir,

x 417 W dy 19-2-95.

4 Enclosures.

In continuation of this office letter No. 2301 dated the 3rd November 1894, I have the honor to submit a standard design with schedule of quantities for a stationery sub-magistrates office with tiled roofing.

I have the honor to be,
Sir,
Your most obedient Servant,
Henry Irwin
Consulting Architect to Govt.

[illegible]

(E. No. 123)

Ows.1
2867/95

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS)—

ESTIMATE FORM.– Abstract.

Financial Head—

Budget Head— 19 A 8 n

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work— Standard design for a stationery Sub Magistrate's Office with Mangalore Tiled roofing.

Amount of Estimate, Rs.— ~~7800~~ ~~7830~~ 8290

To be carried out by— P.W.D.

REFERENCES.

(2)

ESTIMATE FORM.—Abstract.

1948 R

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward			~~5300~~ ~~5306~~ ~~5308~~ 5704	
4637 Sqft	Roofing with Mangalore tiles including teak reapers	18-0-0	100 sft	835	
~~2984~~ 2961 "	Flooring with Cuddapah slabs 2" thick on a 4" bed of concrete pointed with tar & asphalte	22-0-0	"	651	
5092 "	Plastering interior with chunam 2 coats polished	2-8-0	100 sft	127	
~~4141~~ 4120 "	Pointing exterior black with tar & asphalte	3-0-0	"	~~123~~ 124	
1844 "	Painting Doors & windows with 3 coats oak paint	2-5-0	"	43	
~~5297~~ ~~5285~~ 7205 "	Wood oiling roof timbers 3 coats	0-15-0	"	~~50~~ 68	
~~354.31~~ 374.31 lb	Wrought Iron work for Trusses	0-3-0	lb	~~66~~ 70	
14 Rft	Wooden Railings for dais including fixing and Varnishing complete	1-8-0	Rft	21	
53 Rft	Zinc Gutters 1'-9" broad for Valleys	0-8-0	"	27	
16 Rft	Punkahs complete including wheels	1-8-0	"	24	~~7280~~
1	Wooden movable ladder	16-0-0	Each	16	7710
	Petty Supervision @ 2 1/2 %			194	
	Contingencies @ 5%			386	580

16

Note— Madras rates are entered—

Grand Total of Estimate .. ~~7830~~ ~~7820~~ 8290

STATION Chepauk

Date 8th April 1895.

Henry Irwin

Consulting architect
~~Executive Engineer~~
to Government

Compared
6-4-95

(E. No. 123.)

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

N19454

(1)

ESTIMATE FORM.—Abstract.

Quantity.		Description of Work.	Rate.	Per	Amount	TOTAL.
1		2	3	4	5	6
7		ℓ 23ℓ	8 RS.	6	6 RS.	5 RS.
~~7710~~ 7933	Cft.	√ Excavation for foundations	4-10-0	cft 1000	37 ✓	
~~7025~~ 7076	"	√ Concrete in foundations with broken clinker bricks	14-0-0	100 cft	~~984~~ 991 ✓	
~~2282~~ 2334	"	√ Brickwork in foundation & basement with Stock bricks	20-0-0	"	~~456~~ 467 ✓	
~~5544~~ 5549	"	√ Do in Superstructure Do	22-0-0	"	~~1220~~ 1221 ✓	
~~349~~ ~~351~~ 345		√ Archwork Do	25-0-0	"	~~88~~ ~~87~~ 86 ✓	
59	"	√ Stone slabs dressed under beams, wooden posts and lintels to Ventilators	2-0-0	cft	118 ✓	
~~3808~~ 3789	"	√ Earth filling in basement	3-0-0	cft 1000	11 ✓	
404	"	√ Teak wood wrought & put up	3-8-0	cft	1414 ✓	
99		Do for record racks	4-0-0	Cft	396	
~~1756~~ 1751	Sqft	√ Ceiling with 1/2" thick planking including overlapping 1" at every joints.	20-0-0	100 Sft	~~351~~ 350 ✓	
175	"	√ Venetian and panel doors with Iron fittings	1-1-0	Sqft	186 ✓	
106	"	√ Panel doors Do Do	0-14-0	"	93 ✓	
152	"	√ Venetian Windows Do	1-1-0	"	162 ✓	
~~73~~ 65	"	√ Do with Iron bars Do	1-12-0	"	~~128~~ 114 ✓	
58	"	√ Ventilators square and circular with fixed shutters & Iron fittings	1-0-0	"	58 ✓	
		Carried Over			~~5300~~ ~~5306~~ 5704	
		Grand Total of Estimate ..				

9

STATION ____________

Date ____________ 189

Executive Engineer.

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

Ors5.2
2567/85

No 19485

P. W. D. Form.
No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					~~277.94~~ 299.94	
3" Square 1/8" thick washers for holding down bolts & pillars	55	0.9" × .125 =	~~4.87~~ ×	0.28 =	17.32	8
Bolts for fixing check pieces to posts 1/4" Diameter	31×11	0.11 = 312.58 × .164			51.26	
1/4" Nuts & Heads to D°	31×11	No = 341 × .017			5.79	
Total					tt	~~354.31~~ 374.31
Zinc Gutters 1'9" broad for Valleys including Overlapping						
To Valleys of Verandah roofs	2	14.6				
D° of Entrance	2	11.9				
		53			53	Rft
Dais Railing		Running feet				14
Punkahs						
Court room	1	10.0				
Private room	1	6.0				
		16.0			16.	Rft
Wooden movable ladder					1	

Compared
4-4-95

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					~~4396~~ 4403	
Upright posts	~~2~~ 1	3.6 ~~3.6~~	1.6 ~~0.1 1/2~~		5 ~~3~~	
Front & rear of gable plank at entrance	2	7.0	3 1/2		25	
Ridge piece	1	9.0	1.6		14	
Barge boards as per details		136.6	2.7		353	
Eave boards D°		444.6 ~~441.6~~	1.0 3/4		472 ~~469~~	
Gable boards at Entrance	2	7.0	3.6		25	
Total Sft of Main building						5297
Record racks (6'.0"×2'.6"×9'.11") uprights	6	10'-0"	"	1'.0"	60	
Horizontal pieces	28	2.9	"	0.10	64	
Ends & Cross pieces	21	2.0	"	0.10	35	
Horizontal pieces for Shelves	42	2.9	"	0.8	77	
Total for one rack					236	
Total for 6 racks						1416
Racks (6'.0"×1'.3"×9'.11") uprights	6	10.0	"	1.0	60	
Horizontal pieces	28	2.9	"	0-10	64	
Ends & Cross pieces	21	0.9	"	0-10	13	
Horizontal pieces for Shelves	14	2.9	"	0.8	27	
Total for one rack					164	
Total for 3 racks						492
Total Sft of wood oiling 3 coats						7205 –
Pin for posts 3/4 Diameter	31	1.3 = 38.9 × 1.476			57.19	
Holding down bolts at ends of each trusses 1/2" Diameter	12	1'.4" = 16.0 × .656			10.49	
Head & nuts to D°	12	= 12 × .128			1.53	
Carried Over					~~277.94~~ 299.94	

No 1948

P. W. D. Form,
No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	 Breadth.	 Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					2484	
Private room { Purlins	2	15.6	1.2		36	
Private room { Do on walls	2	15.6	1.1		34	
Record room { Purlins	2	29.6	1.2		69	
Record room { Do on walls	2	29.6	1.1		64	
Ridge piece outside of Court room	2	2.0	2-0 ~~1.3~~		8 ~~5~~	
Do Clerks Private & Record Do	3	2.0	1-10 ~~1.2~~		11 ~~7~~	
Rafters at Eaves Court room	24	1.6	0.11		33	
Do Do Clerks Private & Record Do	56	1.6	0.9½		67	
Verandah Posts	31	6.6	1.6		302	
Head pieces	31	0.7½	1.1½		22	
Bressummers	.	221.6	1.2½		268	
Valley rafters sides & bottom of plank	2	12.9	1.7		72	
Do Do	2	10.0				
Hip rafters	6	12.8	1.3		95	
Common rafters	56	10.0				
Jack rafters	12	10.0				
Do	12	7.6				
Do	12	2.6				
Do	4	11.0				
Do	4	6.0	0.11		838	
Do	4	3.6				
Rafters at Entrance	2	6.0				
Jack rafters Do	2	4.6				
Do	2	3.6				
Do	2	2.3				
		914.6				
Carried over					4403 4396	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	 Breadth.	 Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Painting Doors and Windows with 3 coats Oak paint.						
Ventilators and panel doors	3×5	4.6		8.6	574	
Venetian and Panel doors	3×1	3.0		8.6	77	
Panel doors	2×3	4.6		8.6	230	
Do	2×1	2.6		7.0	35	
Venetian windows	3×6	4.6		5.9	466	
Do	3×2	3.0		5.9	104	
Do	3×10	2.0		4.6	270	
Ventilators glazed	6	3.0		2.0	36	
Do	6	3.0		1.9	32	
Do Circular	4	$(2\frac{1}{2})^2 \times .7854$ area			20	
Total Sq. feet						1844
Wood ceiling roof timbers.						
Ceiling boards Court room	1	25	21.0		525	
Do Clerks room	1	25.6	19.0		1207	
Do Private room	1	12.0				
Do Record room	1	26.0				
Tie Beams Court room	2	27.0	1.9		74	
Do Clerks and record room	4	19.0	1.7		120	
Struts Court room	4	5.0	1.4½		28	
Do Clerks & record room	8	4.6	1.4		48	
Principal rafters Court room	4	10.9	1.8		72	
Do Clerks and Record Do	8	9.6	1.6		114	
Court room { Purlins	2	32.0	1.4		85	
Court room { Do on walls	2	32.0	1.3		80	
Clerks room { Purlins	2	29.0	1.2		68	
Clerks room { Do on walls	2	29.0	1.1		63	
Carried over					2484	

P. W. D. Form.
No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					1566 ✓	
Clerks room Exterior		55-6		14·1½	784	6
Do above the roof of record room	2	9·6		3·3	62 ✓	
Court room front & sides		39·0		19·6½	762 ✓	
Gables do	2	21·0		3·6	147 ✓	
Private room front & end		32·6		14·1½	459 ✓	
Gables of clerks & Private room	2	19·0		3·3	124 ✓	
Sides of Court room above end roofs	4	9·6		3·3	124 ✓	
Bath room		23·10½		7·3	173 ✓	
Gables	2	7·6¾		2·0	30 ✓	
Bath room above Verandah roof	1	8·9		3·3	28 ✓	
Rear of Court & Private rooms		24·3		14·1½	343 ✓	
above court room		21-0 ~~19·6~~		5·9	121 ~~112~~ ✓	4723 ~~4714~~ ✓
Deductions.						
Doorways	5	4·6		8·6	217 ✓	
Do	1	3·0				
Do	1	2·6		7·0	18	
Windows	6	4·6		5·9	190 ✓	
Do	2	3·0				
Do	10	2·0		4·6	90 ✓	
Ventilators	6	3·0		2·0	36	
	6	3·0		1·9	32	
Do Circular	4	(2½×·7854)	area		20	603
Total Sq feet						4120 ~~4111~~ ✓

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					5579 ✓	
Window Jambs & Soffits at the sides of dais	2	15·0				
Do Do in the record & bath room	10	11·6		1·1	157 ✓	
Window Cills	6	4·6				
Do	2	3·0		0·7½	33 ✓	
Do	10	2·0				
Windows sides of recesses	36	0·4½		2·9	37	
Ventilators sides soffits & cills	6	9·6		1·1	62	
Do Do Circular	4	2½×3·1416		1·1	34 ✓	
Sides of Dais		20·0		1·0	20	
Ends of Steps of dais	4	1·0		0·6	2	5924 ✓
Deductions.						
Doors	11	4·6		8·6	446 ✓	
Do	1	3·0				
Do	1	2·6		7·0	18 ✓	
Windows	6	4·6		5·9	190 ✓	
Do	2	3·0				
Do	10	2·0		4·6	90 ✓	
Ventilators	6	3-0		2·0	36	
	6	3·0		1·9	32	
Do Circular	4	(2½×·7854)	area		20 ✓	832 ✓
Total Sq ft						5092 ✓
Pointing Exterior						
Plinth	1	280·10½		2·3	632 ✓	
Steps sides	8	2·0		1·6	24 ✓	
Record room	1	74·0		11·5½	848 ✓	
Gables	1	19·0		3·3	62 ✓	
Carried over					1566 ✓	

22 ft

4 5 5 5 6 6

P. W. D. FORM.
No. M 204.

ESTIMATE FORM.—Detail Measurements.

1948 N

Detail of Work.	Number.	Measurements in Feet. Length.	Measurements in Feet. Breadth.	Measurements in Feet. Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					450	
Clerks room		25·6				
Private room		12·0	16·0		1016	
Record room		26·0				
Bath room		6·6	6·5¼		42	
Verandahs		176·0	6·3		1100	
Space between posts to D°	1	~~200·0~~ 192·4½	1·6		~~309~~ 289	
Door pieces	8	4·6	1·1			
D°	1	3·0	1·1		42	
D°	1	2·6	0·8½		2	
Window D°	6	4·6				
D°	2	3·0	0·4½		20	
D°	10	2·0				
Total Sq ft						~~2981~~ 2961
Plastering						
Court room		86·0		19·6½	1681	
D° gables	2	18·0		3·6	126	
Clerks room		83·0				
Private		56·0		14·1½	1963	
Record room		84·0		11·5½	963	
Gables	6	16·0		3·3	312	
Bath room		25·10½		7·0	181	
D° gables	2	6·0		1·7½	20	
Door jambs & soffits	8	22·0				
D°	1	20·6		1·1	218	
D°	1	17·0		0·9	13	
Window jambs & soffits	6	16·6		1·1	107	
Carried Over					5579	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Measurements in Feet. Breadth.	Measurements in Feet. Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Venetian Windows with glazed tops & ¾" D° or Square Iron bars						
To Record & Bath rooms	10	1·7½		4·1	~~73~~ 65	
Total Sq ft						~~73~~ 65
Ventilators with glazed Shutters moving on side pivots						
To Court room	6	2·6		1·6	23	
" Clerks & Private rooms	6	2·6		1·3	19	
Circular Ventilators in gables	4	2·0		2·0	16	
Total Sq ft						58
Note. Doors and Windows taken out in accordance with appendix G. Standard Specification						
Tiled roofing with Mangalore tiles including teak reepers						
Court room	2	32·0	13·6		864	
Clerks room	2	29·0				
Private room	2	15·6	12·6		1850	
Record room	2	29·6				
Verandahs	1	190·3	9·6		1807	
D° Entrance	2	9·3	$\frac{12·6}{2}$		116	
Total Sq ft						4637
Flooring with Cuddapah Slabs on a 4" bed of concrete & pointing with asphalte						
Court room	1	25·0	18·0		450	
Carried over						450

1346

P. W. D. FORM, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					386	✓
Eave boards to main & Verandah roofs	3	444·6	0·¾	0·6	14 ✓	
Planks below Valley rafters	2	13·9	0·0½	0·9	2 ✓	
Do Do at entrance	2	11·0				
Ornamental gable boards at entrance	1	9·0	0·1½	1·9	2	
(Here insert attached sheet teak wood for record racks)						
				Total Cub feet		404

Teakwood wrought & put up.

Record racks (6′×2·3″×9·11″) uprights	6	9·11	0·3	0·3	4	
Horizontal pieces	28	2·10½	0·2	0·3	3	
End & Cross pieces	21	2·3	0·2	0·3	2	
Horizontal pieces for shelves	42	2·10½	0·3	0·1	3	
Total for one rack					12	
Total for 6 racks						72.
Racks (6′×1·3″×9·11″) uprights	6	9·11	0·3	0·3	4	
Horizontal pieces	28	2·10½	0·2	0·3	3	
Ends & Cross pieces	21	1·0	0·2	0·3	1	
Horizontal pieces for shelves	14	2·10½	0·3	0·1	1	
Total for one rack					9	
Total for 3 racks						27
Total Cft of woodwork for record racks						99

Total Sq feet 152¼ or 152

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought over		36·10¼			228	✓
Front Verandah court room at sides	2	9·11½				
Do Clerks and Private rooms.	3	13·10½				
End Verandahs. 3 bays.	2	20·2½				
Do 2 bays.	4	13·7½				
Rear Verandah 2 bays.	1	17·1½				
Do 2 bays.	1	16·8¾				
Do 2 bays.	1	18·1				
Do 1 bay at corner	1	7·8¼				
		224·6¼	0·4½	0·5	35	
Wall plates for Verandah roof.		157·6	0·2	0·3	7	
Valley rafters.	2×2	13·9	0·2¼	0·5	9	
	2×2	11·0				
Hip rafters	6	13·8	0·3	0·6	10	
Rafters about 2½ ft apart.	56	11·0				
Jack rafters. of Hip rafters.	12	10·0				
	12	7·6				
	12	2·6				
of Valley rafters	4	11·0				
	4	6·0				
	4	3·6				
Rafters to gable at entrance	2	6·0				
Jack rafters to Do.	2	4·6				
	2	3·6				
	2	2·3				
		970·6	0·3	0·4	81	
Upright posts to gable entrance.	1	3·9	0·4½	0·4½	1	
Ridge piece to Do.	1	9·0	0·3	0·7½	1.	
Barge board to Court room.	4	13·6				
Do to clerks & Private rooms	4	11·9				
Do to Record rooms.	2	11·9				
Do to entrance.	2	6·0				
		136·6	0·1	1·3	14	
				Carried Over	386	✓

1948/17

P. W. D. Form, No. M 204.

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
Brought forward					76	
Principal rafters	4	9.6	0.4	0.5	5	
Wall purlins	4 2	9.0 12.0	0.3	0.5	6	
Purlins	4 2	9.0 12.0	0.4	0.5	8	
Ridge pieces	2 1	9.0 12.0	0.3	0.8	5	
Rafters about 2½ ft apart.	24	12.0	0.2½	0.3½	18	
Private room 16 ft span						
Wall purlins	2	16.0	0.3	0.5	3	
Purlins	2	16.0	0.4	0.5	4	
Ridge pieces	1	17.0	0.3	0.8	3	
Rafters about 2½ ft apart.	14	12.0	0.2½	0.3½	10	
Record room 16 ft Span						
Tie beams	2	19.0	0.4	0.5½	6	
Struts	4	4.6	0.4	0.4	2	
Principal rafters	4	9.6	0.4	0.5	5	
Wall purlins	2 2 2	8.6 10.9 11.6	0.3	0.5	6	
Purlins.	2 2 2	8.6 10.9 11.6	0.4	0.5	9	
Ridge pieces	1 1 1	8.6 10.9 11.6	0.3	0.8	5	
Rafters about 2½ ft apart.	24	12.0	0.2½	0.3½	18	
Verandah posts.	31	6.5	0.4½	0.4½	28	
Cheek pieces	62	2.3	0.4½	0.1½	7	
Head pieces	31	1.0	0.4½	0.4½	4	
Bressummers including overlapping						
Front Verandah of court room at entrance	1	7.6¼				
Do at ends	2	14.8				
		36.10¼				
Carried over					228	

22-2-1

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
Cut stone work.						
Stone Slabs under Trusses.	12	2.0	1.6	0.6	18	
Do for Verandah posts.	31	0.9	0.9	1.0	18	
Lintel Stones over Ventilators of Clerks and private rooms	6	5.0	1.6	0.6	23	
Total Cub ft						59
Earth filling in basement						
Court room.	1	24.7½	17.7½	1.6	651	
Clerks Do	1	25.7½				
Private Do	1	11.7½	15.7½	1.6	1462	
Record Do	1	25.7½				
Verandah & Bathroom.	1	181.7½ ~~182.8¾~~	6.0¾	1.6	1642 ~~1661~~	
Dais.	1	6.6	5.3	1.0	34	
Total Cub ft						3789 ~~3808~~
Teak wood wrought & put up.						
Court room 18' Span.						
Tie beams	2	21.0	0.4	0.6½	8	
Struts	4	5.0	0.4	0.4½	2	
Principal rafters.	4	10.9	0.4	0.6	7	
Wall purlins	2 4	9.0 12.0	0.3	0.6	8	
Purlins "	2 4	9.0 12.0	0.4	0.6	11	
Ridge pieces. "	1 2	9.0 12.0	0.3	0.9	6	
Rafters about 2½ ft apart.	24	13.0	0.3	0.4	26	
Clerks room 16 ft Span						
Tie Beams.	2	19.0	0.4	0.5½	6	
Struts	4	4.6	0.4	0.4	2	
Carried over.					76	

3

1946 II

P. W. D. Form
No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forwards						7060 ~~7040~~
Deduct.						
Doors all round	8	4·6	1·6	8·6	459	2
Do in private room	1	3·0	1·6	8·6	38	
Do to Bath room	1	2·6	1·1½	7·0	20	
Windows to main rooms	6	4·6	1·6	5·9	233	
Do recess below cill	6	4·6	0·4½	2·9	28	
Do at sides of doors	2	3·0	1·6	5·9	52	
Do recess below cill	2	3·0	0·4½	2·9	6	
Do to record room	~~10~~ 9	2·0	1·6	~~4·6~~ 6·3	~~135~~ 122	
Do to bath room	1	2·0	1·1½	4·6	10	
Do to Do recess below cill	10	2·0	0·4½	2·9	21	
Ventilators for clerks & Private rooms	6	3·0	1·6	1·9	47	
Lintel Stone over Ventilators Do	6	5·0	1·6	0·6	23	
Ventilators for Court room	6	3·0	1·6	2·0	54	
Do Circular	4	2½²	×·7854	1·6	29	
Archwork as per details					361 349	1511 ~~1496~~
Total Cub ft						5549
Archwork including String Course.						
Over doors and windows	14	6·0				
Do Do	3	4·6				
Over records room windows.	~~10~~ 9	3·6	1·6	1·1½	263 ~~269~~	
Over Ventilators in court	6	4·6				
		156 ~~159½~~				
Over circular ~~Ventilators circular~~	4×(3·7½×3·1416)×1·6×1·1½				77	
Over Bath room Door	1	4·0	1·1½	1·1½	5	
~~Do Do window~~	~~1~~	~~3·6~~	~~1·~~	~~1·1½~~	~~4~~	
Total Cub ft						345 ~~349~~ ~~354~~

2

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward.					2194 ~~2140~~	
Steps front	1	22·0				
Do rear	1	10·9				
Do Sides.	2	9·6				
		51·9	3·0	0·6	78	
Steps front	1	20·0				
Do rear	1	8·9				
Do Sides	2	7·6				
		43·9	2·0	0·6	44	
Steps front	1	18·0				
Do rear	1	6·9				
Do Sides.	2	5·6				
		35·9	1·0	0·6	18	
Total Cub ft						2334 ~~2282~~
Brickwork in Superstructure.						
Court room walls	1	92·0	1·6	19·6½	2697	
Do Do Gable walls	2	21·0	1·6	3·6	221	
Private Do walls	1	43·0				
Clerks Do Do	1	70·0				
		113·0	1·6	14·1½	2394	
Private & Clerks room gable walls	2	19·0	1·6	3·3	185	
Record room walls	1	71·0	1·6	11·5½	1220	
Do Do gable wall outer	1	19·0	1·6	3·3	93	
Do Do Do inner	1	9·0	1·6	1·6	20	
Bath room rear walls	1	6·6	1·1½	7·0	51	
Do Do Side walls	2	7·6¾	1·1½	9·6	162	
Dais wall	1	18·6	0·9	1·0	14	
Do Steps	2	3·0	1·0	0·6	3	
Carried Over						7060 ~~7040~~

Standard Design for a Stationary Sub Magistrate's Office with Mangalore Tiled roofing.

P. W. D. Form,
No. M 204.

ESTIMATE FORM.—Detail Measurements.

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Detail of Work.	Number.	Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
		Measurements in Feet.				
1	2	3	4	5	6	7
22 #	4	5	5	5	6	6
Excavation for foundation						
Court room walls	1	92·0				
Private Do Do	1	40·6				
Clerks Do Do	1	67·6				
Record Do Do	1	68·6				
		268·6	4·0	4·6	4833	
Verandah rectangular walls	1	213·~~4½~~ 6	3·0	4·6	288~~7~~ 2	
Retiring room side walls	2	4·~~4½~~	3·0	4·6	~~115~~ 118	
Dais in Court room	1	16·0	2·0	1·6	40	
Steps front	1	22·6				
Do rear	1	11·3				
Do sides	2	10·0				
		53·9	~~3~~ 2·3	0·6	~~81~~ 60	
Total Cub. feet						~~7910~~ 7923
Concrete.						
Walls as above	1	268·6	4·0	4·0	4296	
Do	1	~~221·4½~~ 222·3	3·0	4·0	2666	
Steps as above	1	~~43·9~~ 53·9	3·0	0·6	~~66~~ 81	
Dais in court room	1	16·0	2·0	1·0	32	
Total Cub. feet						~~7026~~ 7076
Brickwork in foundation and Basement.						
Court room walls.		92·0				
Private D Do		42·7½				
Clerk Do Do		69·7½				
Record Do Do		70·7½				
		274·10½	1·10½	2·6	1288	
Retaining walls		215·6¾				
Retiring (Bath) room side walls	2	6·0¾				
		227·7½	1·6	2·6	854	
		~~C over~~			~~2142~~	
Dais in court room	1	[illegible]6	1·1½	2·6	52	
	Carried over				2194	

1

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with the Standard Specification of the Public Works Department.

Henry Irwin.

Consulting architect to Govt.

205·3
2867/95

4-4-95

of Stone if procurable without great expense.

Wood work. The trusses and Verandah posts should be of well seasoned Burmah teak, the rafters and minor roof timbers may be of approved country wood, proof against white ants.

Doors and Windows. The doors and windows to be of well seasoned Burmah teak wood. All doors opening into Verandahs will be of $\frac{1}{3}$ panel and $\frac{2}{3}$ venetians. Inner doors to be panelled throughout. The windows for the record and retiring rooms will have single venetianed shutters opening outside with fixed glazed heads and $\frac{3}{4}$" Square Iron bars set diagonally. The ventilators on North and South sides will consist of a glazed shutters to open and shut on side pivots, on the East and West sides the Ventilators will have teak panelled shutters.

Roofing. The roof will be covered with Mangalore tiles on teak reepers 2"×1" about 11½" apart. All valleys should be protected with zinc sheets. Ceiling of teak planking ½" thick should be screwed to underside of rafters overlapping 1" inch at joints.

Flooring. The floor will consist of Cuddapah slabs about 2" thick laid on

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a 4" bed of concrete and neatly pointed with asphalte. If Cuddapah Slabs are not easily procurable the floor may be of Square bricks on a bed of 5" concrete, in which case the record room should be floored with asphalte. Where the soil is damp, the filling in below the floor should be of river sand. The floor of Verandahs will be laid with a fall outwards of 1 inch to 4 feet.

Interior and Exterior finishing. The interior walls will be fine plastered and polished or plastered and white washed. Where good bricks or Stone is obtainable, the exterior should be pointed. Black pointing for brick work with a composition of asphalte, tar and sand neatly executed is preferable, as it shows the brick work to advantage and is very durable. In damp soil the exterior plinth and interior wall to a height of say 3 feet above floor, should also be plastered with Portland cement. The wood work of roof to be stained with 3 Coats wood oil and the doors and windows painted with 3 Coats oak paint

The different kinds of work to be done will be executed in conformity

with

C.A./37 1,000—21-12-93.

REPORT and Specification to accompany the plan and estimate for Standard Designs for a Stationary Sub-Registrar's Office with Mangalore Tiled roofing according drawing signed by the Consulting Architect before on 8th April 1895

Amount of Estimate, Rs. ~~7350~~ 7080 according to Madras rates.
8,290

Reference.—

REPORT.

Descriptive Specification

Foundations. A depth of 4½ feet is provided in the quantities, but this should be settled locally in accordance with the nature of soil.

Walling. The walls should be carried up in English bond, according to the various thicknesses shown on the drawing 1½ and 2 bricks thick.

Stonework. Stone slabs should be placed at the bearings of trusses and lintels for the Ventilators of Clerks and Private Rooms and Stone bases for Verandah posts 9"×9"×12" with mortice holes 2 inches square and 2 inches deep into which the posts will be tenoned. The st [illegible] ny also be

in c [illegible] of

6th August 1895, No. 1946 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper :—

G.O., dated 22nd July 1895, No. 536, Financial.

Read—G.O., dated 21st June 1895, No. 1520 W., Public Works.

Order—dated 22nd July 1895, No. 536, Financial.

The Accountant-General will place a sum of Rs. 51,026 (fifty-one thousand and twenty-six) at the disposal of the Public Works Department from Port funds.

2. Due provision should be made in future budget estimates for incomplete works.

3. There will, in future, be no necessity for replacing funds at the disposal of the Financial Department in individual cases (*vide* paragraphs 3 and 6 of G.O., dated 27th June 1895, No. 488, Financial).

(True Extract.)

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

Order—dated 6th August 1895, No. 1946 W., Public Works.

Communicated to the officers concerned with reference to G.Os., No. 1520 W., dated 21st June 1895, and No. 1767 W., dated 17th July 1895.

(True Extract.)

Under Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" " II "
" " V "
" " VI "
" Examiner, Public Works Accounts.

Exd. T. K. Narayana Aiyangar.

Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1895} Madras.

PUBLIC WORKS.

Dated August, 6th.

Recd. *Encl.*

G.O., 6th Aug. 1895, No. 1946 W.

AUGUST.

Funds

Proceedings, Financial Department, directing the Accountant-General to place Rs. 51,026 at the disposal of the Public Works Department for incomplete, &c., works under Excluded Local from Port funds, and stating that due provision should be made in future budget estimates for such works, communicated to the officers concerned.

Financial Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

10

Read the following paper-

Proceedings of the Public Works Department d/ 21st June 1895 No 1520 W.

Order d/ 22nd July 1895 No 536.

The Accountant General will place a sum of Rs.51,026 /fifty one thousand and twenty six/ at the disposal of the Public Works Department from Port funds.

2. Due provision should be made in future budget estimates for incomplete works.

3. There will in future be no necessity for replacing funds at the disposal of the Financial Department in individual cases /vide paragraphs 3 and 6 of G.O.d/ 27th June 1895 No 488× Financial/

×Go 1767W
17-7-95

/True Extract/

W Francis

Ag. Under Secretary,
for Chief Secretary.

To

The Presidency Port Officer.
.. Accountant General.
.. Public Works Department. ✓

[G./15]

Govt. of { 18 } Madras.

To

The Public Works Department

Proceedings, dated 22d July 1895
No. 536.

Subject.

Directing the Accountant General to place a sum of Rs 51,026 at the disposal of the Public Works Department from Port funds and stating that due provision should be made in future budget estimates for incomplete works.

No 1767 W d/ 17-7-95
1520 W d/ 21-6-95

With order

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P. W. CURRENT No. 5842

Q genl
Acct. B & R
Chief W Rly
Rec: 30-7-95

A No 1946 W d/ 6th August 1895

Communicated to
Communicated to
the officers concerned with
the officers concerned with
reference to G.Os
reference to G.os
No 1520 W d/ 21st June 1895
No 1520 W d/ 21st June 1895
& " 1767 W d/ 17th July 1895
" 1767 W d/ 17 July 1895

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