

- (1) Number of pages _____
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MADRAS RECORD OFFICE

Government of Madras
Public works
DEPARTMENT

G.O. No.	1254.
B.P. No.	42-149
Press	Mis.
Dated 3. 3. 1843.	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
3rd May 1873.*

No. 48. Read the following letter from R. F. CHISHOLM, Esq., F.R.I., B.A.,
Consulting Architect to Government, to Colonel G. W. WALKER, R.E.
Secretary to Government, Public Works Department, Fort St. George,
dated Madras, 4th April 1873, No. 316:—

I HAVE the honour to forward you the detailed quantities and general Specification of the Sub-Collector's Cutcherry issued as a Standard Design in G. O. No. 1,423, dated 9th September 1870.

1 Estimate.

SPECIFICATION.

*Specification of work to be performed in constructing a Sub-Collector's Cutcherry.
STANDARD DESIGN.*

Trenches.—After the centre lines and side lines of excavation have been lockspitted and approved of, excavate the earth to the full depth.

Depth.—The depths at which the building is to be founded will be determined by the local officer in charge of the works. The estimate provides for 4 feet which will be ample, unless the soil is very bad.

Written order to lay Concrete.—On receipt of a written order the Overseer or Contractor in charge of the work will proceed to lay the concrete.

The concrete will be rammed in layers of 6 inches, care being taken that no new layer is added before the one immediately underneath has been properly consolidated.

Brick-work.—On the completion of the concrete the centre lines will be carefully laid out and breadths of walling marked.

Footing Courses.—The footing courses will be in steps 6 inches high with 3 or 4 inch offsets on either side according to the drawing.

Walling.—The walling will consist of brick-work in chunam 1 foot 6 inches thick for main building, and 10 inches thick under verandah supports, to the different heights marked on Plan.

Splays.—All openings will have splayed sides measuring 4 inches on the face of the splay.

Arches.—The arches will be turned in four concentric rings of brick on edge.

Stone-work.—If stone is procurable at reasonable rates a 6-inch course will be used on top of basement wall under verandah supports, splayed at angles. Spiral step to be of stone if cheap.

Teakwood.—The teakwood trusses, rafters, verandah supports, etc., will be executed in strict accordance with the detailed Plans. The beams and joists will be splayed 1 inch on either side, 6 inches from point or crossing—See Specification G. O., No. 2,906, dated 16th November 1871.

Doors and Windows.—The doors and windows will be framed of 1½ inch battens in 5" × 5" frames splayed and rebated 1 inch sashes, raised and screwed panels. Venetians of ordinary construction.

Flooring.—The floor will be paved with square tiles or chunam.

Tiling.—The roof will be covered with pan tiles, with flat tiles underneath.

Plastering and Pointing.—The interior will be plastered with fine chunam, and the exterior pointed flush.

MATERIALS.

The bricks will be cast from moulds measuring

The lime will be carted from

The sand will be procured from

The teakwood purchased at

The whole of the details will be executed according to the working drawings.

OFFICE OF CONSULTING ARCHITECT,
4th April 1873.

(Signed)

R. F. CHISHOLM, F.R.I., B.A.,
Consulting Architect to Government.

Proceedings of the Madras Government, Public Works Department,
3rd May 1873.

SUB-COLLECTOR'S CUTCHERRY.

STANDARD DESIGN.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Excavation for Foundations.</i>						
		FT. IN.	FT. IN.	FT. IN.		
Clerks and Sheris- tadars. { front and rear walls..	2	37 9	5 0	4 0	1,510	
{ end wall ...	1	24 6	3 11	4 0	384	
{ cross wall ...	1	14 6	5 0	4 0	290	
Court. { front, rear and gallery wall ...	3	16 6	5 0	4 0	990	
{ cross wall ...	1	26 6	5 0	4 0	530	
{ do. ...	1	44 6	5 0	4 0	890	
Magistrates and { front and rear walls ...	2	27 0	5 0	4 0	1,080	
Witnesses. { end wall ...	1	22 6	3 11	4 0	353	
{ cross wall ...	1	12 6	5 0	4 0	250	
Record-room—front, rear and ends ...	1	82 0	5 0	4 0	1,640	
Spiral stairs ...	1	12 6	12 6	4 0	625	
Porch—front and ends ...	1	41 6	5 0	4 0	830	
Under verandah supports ...	1	38 0	3 10	4 0	583	
Steps ...	1	26 0	3 10	4 0	399	
{ ...	1	28 4	3 10	4 0	434	
{ ...	2	34 9	3 10	4 0	1,066	
{ ...	1	26 4	3 10	4 0	404	
{ ...	1	8 0	4 0	1 0	32	
Total cubic feet...					12,290	
Cubic yards...						456
<i>Concrete.</i>						
Excavation ÷ 4 =						114
<i>Brick-work in Footings.</i>						
Clerks and Sheris- tadars. { front and rear walls..	2	39 11	2 10	1 6	339	
{ end wall ...	1	22 4	2 10	1 6	95	
{ cross wall ...	1	16 8	2 10	1 6	71	
Court. { front, rear and gallery wall ...	3	18 8	2 10	1 6	238	
{ cross wall ...	1	28 8	2 10	1 6	122	
{ do. ...	1	42 4	2 10	1 6	180	
Magistrates and { front and rear walls ...	2	29 2	2 10	1 6	248	
Witnesses. { end wall ...	1	20 4	2 10	1 6	86	
{ cross wall ...	1	14 8	2 10	1 6	62	
Record-room—front, rear and ends ...	1	82 0	2 10	1 6	349	
Spiral stairs... ..	1	10 4	10 4	1 6	160	
Porch—front and ends ...	1	43 8	2 10	1 6	186	
Under verandah supports ...	1	38 1	1 10	1 6	105	
{ ...	1	26 1	1 10	1 6	72	
{ ...	1	30 4	1 10	1 6	83	
{ ...	2	34 10	1 10	1 6	192	
{ ...	1	28 4	1 10	1 6	78	
Total cubic feet...					2,666	
Cubic yards...						99
<i>Brick-work above footings to floor level.</i>						
Clerks and Sheris- tadars. { front and rear walls... ..	2	42 9	1 6	3 6	449	
{ cross and end walls... ..	2	18 0	1 6	3 6	189	

Proceedings of the Madras Government, Public Works Department,
3rd May 1873.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Brick-work above footings to floor level.—(Continued.)</i>						
		FT. IN.	FT. IN.	FT. IN.		
Court. { front wall	1	20 0	1 10	3 6	128	
	2	20 0	1 6	3 6	210	
	1	30 0	1 6	3 6	158	
	1	41 0	1 6	3 6	215	
Magistrates and { front and rear walls	2	32 0	1 6	3 6	336	
	2	16 0	1 6	3 6	163	
Witnesses. { cross and end wall	1	82 0	1 6	3 6	431	
Record-room—front, rear and ends	1	9 4	9 4	3 6	305	
Spiral stairs	1	45 0	1 6	3 6	236	
Porch—front and ends	1	38 3	0 10	3 6	112	
	1	26 3	0 10	3 6	77	
	1	31 4	0 10	3 6	91	
	2	35 0	0 10	3 6	204	
Under verandah supports.	1	29 4	0 10	3 6	86	
	1	8 0	4 0	2 3	72	
Steps	1	8 0	4 0	2 3	72	
<i>Deduct.</i>						3,467
Cut-stone on basement	1	196 0	1 0	0 6	98	
Porch ends... ..	2	10 0	1 6	2 6	75	
						173
Total cubic feet...	...	.....	.....	.....	.....	3,294
Cubic yards...	...	.....	.....	.....	.....	122
<i>Brick-work above floor level.</i>						
Clerks and Sheris- { front and rear walls.	2	42 9	1 6	11 0	1,411	
	2	18 0	1 6	11 0	594	
	2	10 6	1 6	8 0	252	
tadars. { gables over do.	2	10 6	1 6	8 0	252	
Court. { front and rear walls	2	20 0	1 6	21 0	1,260	
	2	11 6	1 6	9 0	311	
	1	20 0	1 6	11 0	330	
	1	31 6	1 6	21 0	992	
Magistrates and { front and rear walls...	2	32 0	1 6	11 0	1,292	
	2	16 0	1 6	11 0	1,056	
Witnesses. { cross and end wall	2	9 6	1 6	8 0	528	
Record-room. { front, rear and ends	1	80 6	1 6	11 0	228	
	2	11 6	1 6	8 0	1,328	
Turret	1	9 0	9 0	30 0	276	
Spiral stairs	1	11 0	3 6	1 0	2,430	
Parapet over do.	1	7 0	0 6	2 6	39	
Porch	1	8 0	1 6	9 0	9	
					108	
<i>Deduct.</i>						12,444
Entrance to Court	1	10 0	1 6	4 0	60	
	1	6 0	1 6	4 0	36	
Doorways*... ..	34	4 0	1 6	4 0	816	
Court—front upper lights...	3	4 0	1 6	4 0	72	
Turret { windows	2	3 0	1 6	3 0	27	
	1	area	38 6	30 0	1,155	
						2,166
Total cubic feet...	...	.....	.....	.....	.....	10,278
Cubic yards...	...	.....	.....	.....	.....	381

Proceedings of the Madras Government, Public Works Department,
3rd May 1873.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Cut-stone if procurable at reasonable rates.</i>						
Verandah basement coping	1	196 0	1 0	0 6	93	
Steps { in front ...	3	10 0	1 3	0 6	19	
side ...	4	10 0	1 3	0 6	25	
spiral (if stone is cheap)	22	3 6	1 3	0 6	43	
Stone under trusses	14	1 6	1 6	0 6	16	
Total cubic feet...					206	
<i>Filling in.</i>						
Clerks, Sheristadars and Record-room	1	59 9	18 0	1 9	1,882	
Court	1	36 6	20 0	1 9	1,278	
Magistrates and Witnesses	1	29 0	16 0	1 9	812	
Verandah { front and rear	1	150 0	5 2	1 9	1,356	
tends ...	1	40 0	2 2	1 9	152	
Total cubic feet...						5,460
Cubic yards...						203
<i>Teakwood.</i>						
Clerks and Sheristadars—						
tie beams	2	21 0	0 4	0 6	7	
principal rafters	4	11 3	0 4	0 5	6	
struts	4	5 3	0 4	0 3	2	
Trusses 18 feet span.	2	48 0	0 7	0 8	37	
purlins...	2	48 0	0 4	0 4	11	
do. wall	2	48 0	0 2	0 9	6	
ridge pole	1	48 0	0 3	0 3½	68	
*Common rafters...	44	21 0	0 3	0 3½	5	
Cleats...	44	1 6	0 3	0 6	11	
Hip rafters	2	22 0	0 3	0 3½	13	
Jack do.	24	7 6	0 3	0 3½	6	
Barge boards	2	21 0	1 1	0 1½	0½	
Finial ...	1	10 0	0 3	0 3		
Court—						
tie beams	3	23 6	0 7	0 5½	19	
principal rafters	6	12 6	0 6	0 5½	17	
struts	6	6 0	0 4	0 4	4	
Trusses 20 feet span.	2	46 0	0 7	0 8	36	
purlins...	2	46 0	0 4	0 4	10	
do. wall	2	46 0	0 3	0 9	9	
ridge pole	1	46 0	0 3	0 4	81	
Common rafters	58	16 9	0 3	0 4	9	
Barge boards ..	4	16 9	1 1	0 1½	1	
Finials...	2	10 0	0 3	0 3		
Magistrates and Witnesses—						
tie beams	1	19 0	0 4	0 6	3	
principal rafters	2	9 6	0 4	0 4	2	
struts	2	4 6	0 3	0 3	1	
Trusses 16 feet span.	2	36 0	0 6	0 5	15	
purlins...	2	36 0	0 4	0 4	8	
do. wall	2	36 0	0 2	0 9	5	
ridge pole	1	36 0	0 2	0 3	36	
Common rafters	44	19 6	0 2	0 3	3	
Cleats ...	44	1 6	0 2	0 3	5	
Barge boards ...	2	19 6	1 1	0 1½	0½	
Finial ...	1	10 0	0 3	0 3		

Proceedings of the Madras Government, Public Works Department,
3rd May 1873.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Teakwood.—(Continued.)</i>						
Record-room —						
tie beams	1	21 0	0 4	0 6	4	
principal rafters	2	11 3	0 4	0 5	3	
struts	2	5 3	0 4	0 3	1	
Trusses 18 feet span.	2	21 0	0 7	0 8	16	
purlins	2	21 0	0 4	0 4	5	
do. wall	1	21 0	0 2	0 9	3	
ridge pole	14	15 0	0 3	0 3½	15	
Common rafters	2	15 0	1 1	0 1½	4	
Barge boards ...	1	10 0	0 3	0 3	0½	
Finial...	8	1 0	1 0	0 6	4	
Purlin supports	18	1 0	1 0	0 4	6	
rafters	18	20 0	0 3	0 3½	26	
cleats	18	1 6	0 3	0 3½	2	
collars	18	6 9	0 3	0 3½	9	
brackets A A	8	2 9	0 3	0 3½	2	
Porch. wallplate B.	1	25 0	0 4	0 9	6	
breastsummer	1	25 0	0 5	0 6	5	
plank under gutter	1	25 0	1 6	0 1	3	
barge board	2	20 0	1 1	0 1½	5	
finials	2	10 0	0 3	0 3	1	
joists	5	22 0	0 6	0 3	14	
do.	1	22 0	0 6	0 4	4	
Gallery beams	2	9 0	1 0	0 10	15	
plank	1	22 0	0 7	0 1	1	
moulding	1	22 0	0 3	0 3	1	
rails	40	4 0	0 1½	0 1	2	
wallplates	4	9 6	0 6	0 4	6	
mean						
rafters	20	4 6	0 3	0 3	6	
Turret. cleats	4	1 0	0 3	0 3	1	
angle pieces	4	3 0	0 6	0 3	1½	
finial	1	6 0	1 6	1 6	14	
eaves board	4	14 0	0 7	0 1	3	
Verandah supports	18	10 0	0 5	0 5	31	
Total cubic feet...						657
<i>Wrought Iron-work in Trusses, etc.</i>						
1½ inch dia. tie rods for 20 feet trusses.	3	8 6 = 25	6 × 4.09		104.30	
1 do. do. do. 18 „ do.	3	7 6 = 22	6 × 2.62		58.95	
1 do. do. do. 16 „ do.	1	6 3 = 6	3 × 1.02		6.37	
1½ do. hex. nut and bolt head	3		× 2.14		6.42	
1 do. do. do.	3		× 1.10		3.30	
1 do. do. do.	1		× 0.26		0.26	
1 do. bolts	4	2 9 = 11	0 × 2.62		28.82	
1 do. washers	4	0 5 × 0 6			8.34	
1 do. hex. nut and bolt head	4		× 1.10		4.40	
Iron straps for trusses.	6	3 6	0 2	0 1½	10.14	
20 feet...	6	3 0	0 1½	0 1½	45.00	
16 do....	2	2 6	0 1	0 1½	8.35	
20 do....	6	0 6	0 2	0 1½	12.51	
Plates for trusses.	6	0 6	0 2	0 1½	10.02	
16 do....	2	0 6	0 1½	0 1½	6.57	
Spikes	340	0 6	0 1	0 1½	35.53	
Total lbs....					409.28	
Say lbs....						

Proceedings of the Madras Government, Public Works Department,
3rd May 1873.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Doors and Windows.</i>		FT. IN.	FT. IN.	FT. IN.		
Door, {under gallery ...	1	6 0	8 0	.....	48	
Door, {venetian and panel ...	33	4 0	8 0	.....	1,056	
Court, {gable windows ...	3	3 0	8 0	.....	72	
Court, {do. circular do. ...	3	3 0	3 0	.....	27	
Turret windows ...	2	2 6	7 0	.....	36	
Total Supl. feet...		.....	.....	.....	1,239	
<i>Painting.</i>						
Interior doors ...	4/30	4 0	8 0	.....	3,840	
Exterior do ...	2/3	4 0	8 0	.....	192	
Door under gallery ...	4/1	6 0	8 0	.....	192	
Court, {gable windows ...	4/3	3 0	8 0	.....	288	
Court, {circular ...	4/3	3 0	3 0	.....	108	
Turret windows ...	4/2	2 6	7 0	.....	280	
Barge boards ...	2/2	21 0	1 3	.....	105	
Eaves board, turret ..	2/2	16 9	1 3	.....	168	
	2/2	19 6	1 3	.....	97	
	2/2	15 0	1 3	.....	75	
	2/2	20 0	1 3	.....	100	
	2/4	14 0	0 9	.....	84	
Total Supl. feet...		.....	.....	.....	5,529	
Squares...		.....	.....	.....	.....	56
<i>Pointing Exterior.</i>						
Basement all round ...	1	383 0	.....	2 0	766	
Magistrates and Witnesses ...	1	83 0	.....	11 0	913	
Clerks and Sheristadars ...	1	109 0	.....	11 0	1,199	
Gables ...	1 1/2	21 0	.....	8 0	252	
Record-room ...	1 1/2	19 0	.....	8 0	76	
Court ...	1	67 0	.....	11 0	737	
Gables ...	1	57 0	.....	18 0	1,026	
Turret ...	1	21 0	.....	9 0	189	
Porch ...	1	27 0	.....	30 0	810	
	1	21 0	.....	11 0	231	
Total Supl. feet...		.....	.....	.....	6,199	
Squares...		.....	.....	.....	.....	62
<i>Plastering Interior.</i>						
Clerks ...	1	78 6	.....	11 0	864	
Sheristadars ...	1	73 0	.....	11 0	803	
Court ...	1	100 0	.....	20 0	2,000	
Magistrates ...	1	54 0	.....	11 0	591	
Witnesses ...	1	68 0	.....	11 0	748	
Entrance ...	1	53 0	.....	20 0	1,060	
Tower ...	1	22 0	.....	30 0	660	
Record ...	1	76 0	.....	11 0	836	
Passage ...	1	18 0	.....	11 0	198	

Proceedings of the Madras Government, Public Works Department,
3rd May 1873.

Detailed Quantities.—(Concluded.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Plastering Interior.—(Continued.)</i>		FT. IN.	FT. IN.	FT. IN.		
Gables ...	1 3 1/2	20 0	.....	9 0	180	
	2	18 0	.....	8 0	504	
	2	16 0	.....	8 0	256	
Total Supl. feet...		.....	.....	.....	8,793	
Squares...		.....	.....	.....	.....	87
NOTE.—No deduction made for voids and no allowance for jambs and soffits.						
<i>Tiling with Flat Tiles underneath including Reapers and Nails.</i>						
Court ...	46	0	.....	34 0	1,564	
Magistrates and Witnesses ...	35	0	.....	40 0	1,400	
Clerks, Sheristadars and Record ...	68	0	.....	42 0	2,856	
Porch ...	25	0	.....	20 0	500	
Turret ...	28	0	.....	8 0	224	
Total Supl. feet...		.....	.....	.....	6,544	
Squares...		.....	.....	.....	.....	66
<i>Terracing.</i>						
Gallery ...	1	20 0	12 0	.....	240	
Squares...		.....	.....	.....	.....	21
<i>Flooring.</i>						
Court ...	1	36 6	20 0	.....	730	
Clerks, Sheristadars and record ...	1	59 9	18 0	.....	1,076	
Magistrates and Witnesses ...	1	29 0	16 0	.....	464	
Verandah ...	1	149 6	5 2	.....	772	
Do. ends ...	1	60 8	2 2	.....	132	
Door pieces...	36	4 0	1 0	.....	144	
Total Supl. feet...		.....	.....	.....	3,318	
Squares...		.....	.....	.....	.....	33 1/2

**Proceedings of the Madras Government, Public Works Department,
3rd May 1873.**

Abstract Estimate.

Quantity.	Item.	Rate.	Amount.
		RS. A. P.	RS. A. P.
456 Cubic yards.	Excavation for foundations		
114 "	Concrete...		
99 "	Brick-work in footings		
122 "	Do. above footings to floor level		
381 "	Do. above floor level		
206 Cubic feet.	Cut-stone		
203 Cubic yards.	Filling in		
657 Cubic feet.	Teakwood...		
410 lbs.	Wrought Iron-work		
1,239 Supl. feet.	Doors and windows		
56 Squares.	Painting		
62 "	Pointing exterior		
87 "	Plastering interior		
66 "	Tiling with flat tiles underneath including reapers and nails		
2 1/2 "	Terracing for gallery		
33 1/2 "	Flooring		
	Allow for finishing tower, say extra	.....	250 0 0
	Do. do. front windows, do.	.....	25 0 0
7	Finials	2 0 0	14 0 0
	Contingencies at 5 per cent.		
	Total..		

OFFICE OF CONSULTING ARCHITECT,
4th April 1873.

(Signed) R. F. CHISHOLM, F.R.I., B.A.,
Consulting Architect to Government.

No. 49. ORDER THEREON, 3rd May 1873, No. 1,264.

CIVIL WORKS, No. 2.

ORDERED that the papers furnished
with this letter be printed and supplied
to District Engineers for information

and guidance in continuation of G. O., No. 1,666 of 11th July 1872.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

To District Engineers.
,, the Consulting Architect.
,, the Revenue Department.
,, the Inspecting Engineer for Buildings.

Ed. T. O'Connor.

Sub. Collectors Cutcherry

Standard Design.

Abstract Estimate.

Items	Rate	Amount
	Rs. A. P.	Rs. A. P.
1st Excavation for foundations		
Concrete		
Brickwork in footings		
Brickwork above footings to floor level		
Brickwork above floor level		
2nd Cut Stone		
3rd Filling in		
4th Teakwood		
5th Wrought Ironwork		
6th Doors and Windows		
7th Painting		
Pointing exterior		
Plastering interior		
Tiling with flat tiles underneath including reapers and nails		
Terracing for Gallery		
Flooring		
Allow for finishing Tower - say extra		250 ..
" " front windows		25 ..
Finials	2 ..	14 ..
Contingencies @ 5 per cent		

Total Request

Consulting Architect
1873.

Chisholm, Fellow R.I.B.A.
Cons. Architect to Govt.

Sub. Collector's Cutcherry

Standard Design

Estimate.

Prices

11th April 1873.

3. May 1873. No. 1264
P. W. 2181/73.

Specifications

13 /

Specifications of work to be performed in
constructing a Sub. Collector's Cutcherry.

Standard Design.

Trenches

After the Centre Lines and side lines of
Excavations have been laid out and
approved of, excavate the earth to the full depth.
The depths at which the Building is to be
founded will be determined by the local
officer in charge of the works. The Estimate
provides for 10 feet which will be ample
unless the soil is very bad.

Depth

Water level

Buy Concrete

On receipt of a written order the Officer
or Contractor in charge of the work will
proceed to buy the Concrete.

The Concrete will be rammed in layers
of 6 inches, care being taken that no new
layer is added before the one immediately
underneath has been properly consolidated.

Brickwork

On the completion of the Concrete the
centre lines will be carefully laid out
and breadth of walling marked.

Footing courses

The footing courses will be in steps 6 inches
high with 3 or 4 inch offsets on either side
according to the drawing.

Walling

The walling will consist of Brickwork in
Chunam 11" 6" thick for main Building
and 10" thick under straddles supports,
to the different heights marked in plan.
All openings will have splayed sides
measuring 4 inches in the face of the splay.

Plays

The Arches will be turned in four concentric rings of bricks on edges.

If stone is procurable at reasonable rates a brick course will be used in top of basement wall under Verandah supports, splayed at angles. Spiral steps to be of stone if cheap.

The Teakwood Trusses, Rafters, Verandah supports &c will be executed in strict accordance with the detailed Plans.

The beams and joists will be splayed thick on either side, brachis from point of crossing. See Specification F.C. No. 2906 dated 16th Nov. 1871.

The doors and windows will be framed of 1 1/2 inch battens in 5" x 5" frames splayed and rebated 1" sashes, raised and screwed panels. Venetians of ordinary construction.

The floor will be paved with square tiles or Chunnam.

The Roof will be covered with pan tiles with flat tiles underneath.

The interior will be plastered with fine Chunnam, and the exterior pointed flush.

Arches.

Housework.

Teakwood

Door & Stone

Flooring

Tiling

Plastering

Painting

15

26

Materials

The Bricks will be cast from moulds measuring x x x.

The Lime will be carted from the Sand will be procured from the Teakwood purchased at

The whole of the details will be executed according to the working drawings

Christie. Fellow R.I.B.A.
Cons. Architect to Govt.

Cons. Architect
17th April 1873

Sub Collectors Cutcherry.

Standard designs.

Detailed Quantities.

Description of Work	No	Length	Breadth	Depth	Cubical	Total.
<u>Excavation for foundations</u>						
Arch and Sherstadars front & rear walls	2	37.9	5.0	4.0	1510	✓
" " " end wall	1	24.6	3.11	4.0	384	✓
" " " cross wall	1	14.6	5.0	4.0	290	✓
" " " front, rear and gallery wall	3	16.6	5.0	4.0	990	✓
" " " cross wall	1	26.6	5.0	4.0	530	✓
" " " " " "	1	14.6	5.0	4.0	290	✓
Magistrates and Witnesses front & rear walls	2	27.0	5.0	4.0	1080	✓
" " " " " end wall	1	22.6	3.11	4.0	353	✓
" " " " " cross wall	1	12.6	5.0	4.0	250	✓
Record room front rear & end	1	82.0	5.0	4.0	1640	✓
Spiral Stairs	1	12.6	12.6	4.0	625	✓
Porch front and end	1	44.6	5.0	4.0	830	✓
Under verandah supports	11	38.0	3.10	4.0	583	✓
" " " " " "	11	26.0	3.10	4.0	399	✓
" " " " " "	11	28.4	3.10	4.0	434	✓
" " " " " "	25	34.9	3.10	4.0	1066	✓
" " " " " "	1	26.4	3.10	4.0	404	✓
Upst	1	8.0	4.0	1.0	32	✓
					Total Cubic feet	12290

Concrete

Cubic yards 456

Excavation

Cubic yards 114

Brickwork in footings

Clerks and Sheristadars. front rear walls	2	39'-11"	2'-10"	1'-6"	339'
" " " end wall	1	22'-4"	2'-10"	1'-6"	95'
" " " cross wall	1	16'-8"	2'-10"	1'-6"	71'
Court. front, rear and gallery walls	3	18'-8"	2'-10"	1'-6"	238'
" " cross wall	1	28'-8"	2'-10"	1'-6"	122'
" " " "	1	42'-4"	2'-10"	1'-6"	180'
Magistrates and witnesses front rear walls	2	29'-2"	2'-10"	1'-6"	248'
" " " end wall	1	20'-4"	2'-10"	1'-6"	86'
" " " cross wall	1	14'-8"	2'-10"	1'-6"	62'
Record room. front, rear and ends	1	82'-0"	2'-10"	1'-6"	349'
Spiral Stairs	1	10'-4"	10'-4"	1'-6"	160'
Arch. front and ends	1	43'-8"	2'-10"	1'-6"	126'
Under verandah supports	1	38'-1"	1'-10"	1'-6"	100'
" " " "	1	26'-1"	1'-10"	1'-6"	72'
" " " "	1	30'-4"	1'-10"	1'-6"	83'
" " " "	2	34'-10"	1'-10"	1'-6"	292'
" " " "	1	28'-4"	1'-10"	1'-6"	78'
Total Cubic feet 2666'					

Cubic Yards 99

Brickwork above footings to floor level

Clerks and Sheristadars. front rear walls	2	42'-9"	1'-6"	3'-6"	449'
" " " cross rear wall	2	18'-0"	1'-6"	3'-6"	189'
Court. front wall	1	20'-0"	1'-10"	3'-6"	120'
" " " gallery mid rear wall	2	20'-0"	1'-6"	3'-6"	210'
" " " cross wall	1	30'-0"	1'-6"	3'-6"	158'
" " " " "	1	41'-0"	1'-6"	3'-6"	215'
Magistrate and witnesses front rear walls	2	32'-0"	1'-6"	3'-6"	336'
" " " cross rear wall	2	16'-0"	1'-6"	3'-6"	168'
Record room. front, rear and ends	1	82'-0"	1'-6"	3'-6"	431'

Carried over Cubic feet 2284

19

Brought forward Cubic feet 2284

Spiral stairs	1	9'-4"	9'-4"	3'-6"	305'
Arch. front and ends	1	45'-0"	1'-6"	3'-6"	236'
Under verandah supports	1	38'-3"	0'-10"	3'-6"	112'
" " " " "	1	26'-3"	0'-10"	3'-6"	77'
" " " " "	1	31'-4"	0'-10"	3'-6"	91'
" " " " "	2	35'-0"	0'-10"	3'-6"	204'
" " " " "	1	29'-4"	0'-10"	3'-6"	86'
Steps	1	8'-0"	4'-0"	2'-3"	72' 34.67'

Brickwork

Cut stonework basement	1	19'-0"	1'-0"	0'-6"	98'
Arch. ends	2	10'-0"	1'-6"	2'-6"	75' 173'

Total Cubic feet 5329 4/5

Cubic Yards 1228

Brickwork above floor level

Clerks and Sheristadars. front rear walls	2	42'-9"	1'-6"	11'-0"	1411'
" " " cross rear wall	2	18'-0"	1'-6"	11'-0"	594'
" " " fables over door	2	10'-6"	1'-6"	8'-0"	252'
Court. front and rear walls	2	20'-0"	1'-6"	21'-0"	1260'
" " " fables over door	2	11'-6"	1'-6"	9'-0"	311'
" " " gallery walls	1	20'-0"	1'-6"	11'-0"	330'
" " " cross wall	1	31'-6"	1'-6"	21'-0"	992'
" " " " "	1	41'-0"	1'-6"	21'-0"	1292'
Magistrates and witnesses front rear walls	2	32'-0"	1'-6"	11'-0"	1056'
" " " cross rear wall	2	16'-0"	1'-6"	11'-0"	528'
" " " fables over door	2	9'-6"	1'-6"	8'-0"	228'
Record room. front, rear & ends	1	80'-6"	1'-6"	11'-0"	1328'
" " " fables over door	2	11'-6"	1'-6"	8'-0"	276'
Stairs	1	9'-0"	9'-0"	3'-0"	2430'
Spiral Stairs	1	11'-0"	3'-6"	1'-0"	39'
Parapet over door	1	7'-0"	0'-6"	2'-6"	9'

Carried over Cubic feet 12336

Porch Brought forward Cubic feet 13,336
1.8.0 1.6 9.0 108.12.44

Deduct

Entrance to Court	1	10.0	1.6	4.0	60
"	1	6.0	1.6	4.0	36
X Courtyard	36	4.0	1.6	4.0	216
Court front upper lights	3	4.0	1.6	4.0	72
Turret windows	2	3.0	1.6	3.0	72
" - walls	1	area 38.6	30.0	1155	2166

Total Cubic feet 10278

Cubic Yards 381

Notes. Half the quantity of void only is deducted, the other half covering the cost of centering and archwork.

Cont. Stone. if procurable at reasonable rates

Verandah basement coping	1	19.6	1.0	0.6	98
Steps in front	3	10.0	1.3	0.6	19
" - sides	11	10.0	1.3	0.6	25
" - spiral (if stone is cheap)	22	3.6	1.3	0.6	168
Stone under Gusses	11	1.6	1.6	0.6	16

Total Cubic feet 206

Fitting in

Clerks, Sheristadars & Peon court	1	39.9	11.0	1.9	1082
Courts	1	36.6	20.0	1.9	1278
Magistrate's residence	1	29.0	16.0	1.9	812
Verandah front and rear	1	15.0	5.2	1.9	1356
" - sides	1	40.0	2.2	1.9	152

Total Cubic feet 5480

Cubic Yards 203

Teak wood.

Clerks Sheristadars

Gusses 18 ft span. Tie Beams	2	21.0	0.4	0.6	7
" Principal Rafters	4	11.3	0.4	0.5	6
" Struts	4	5.3	0.4	0.3	2
" Purlins	2	48.0	0.7	0.8	37
" do walls	2	48.0	0.4	0.4	11
" Ridge poles	1	48.0	0.2	0.9	6
Common Rafters	44	21.0	0.3	0.3 1/2	68
Chairs	44	1.6	0.3	0.3 1/2	5
Hip Rafters	2	22.0	0.6	0.6	11
Joists	24	7.6	0.3	0.3 1/2	13
Barge boards	2	21.0	1.1	0.1 1/2	6
Timbers	1	10.0	0.3	0.3	0 1/2

Courts					
Gusses 20 ft span. Tie Beams	3	23.6	0.7	0.5 1/2	19
" Principal Rafters	6	12.6	0.6	0.5 1/2	17
" Struts	6	6.0	0.4	0.4	4
" Purlins	2	46.0	0.7	0.8	36
" do walls	2	46.0	0.4	0.4	10
" Ridge poles	1	46.0	0.3	0.9	9
Common Rafters	58	16.9	0.3	0.4	81
Barge boards	4	16.9	1.1	0.1 1/2	9
Timbers	2	10.0	0.3	0.3	1

Magistrate's residence

Gusses 16 ft span. Tie Beams	1	19.0	0.4	0.6	3
" Principal Rafters	2	9.6	0.4	0.4	2
" Struts	2	4.6	0.3	0.3	1
" Purlins	2	36.0	0.6	0.5	15
" do walls	2	36.0	0.4	0.4	8
" Ridge poles	1	36.0	0.2	0.9	5 1/2
Common Rafters	44	19.6	0.2	0.3	36
Chairs	44	1.6	0.2	0.3	3
Barge Boards	2	19.6	1.1	0.1 1/2	5
Timbers	1	10.0	0.3	0.3	0 1/2

Cubic Yards 203

		Brought forward Cubic feet. 437.				
Record room.						
Truss 18 ft span.	See Beam	1	21.0	0.4	0.6	4 ✓
	Principal Rafters	2	11.3	0.4	0.5	3 ✓
	Struts	2	5.3	0.4	0.3	1 ✓
	Purlins	2	21.0	0.7	0.8	16 ✓
	do wall	2	21.0	0.4	0.4	5 ✓
	Ridge pole	1	21.0	0.2	0.9	3 ✓
	Common Rafters	14	15.0	0.3	0.3½	15 ✓
	Barge Boards	2	15.0	1.1	0.1½	4 ✓
	Finials	1	10.0	0.3	0.3	0½ ✓
	Purlin supports	8	1.0	1.0	0.6	4 ✓
	do	18	1.0	1.0	0.4	6 ✓
	Porch Rafters	18	20.0	0.3	0.3½	26 ✓
	Chairs	18	1.6	0.3	0.3½	2 ✓
	Collars	18	6.9	0.3	0.3½	9 ✓
	Brackets A, A'	8	2.9	0.3	0.3½	2 ✓
	Wall plate B	1	25.0	0.4	0.9	6 ✓
	Brastrimmers	1	25.0	0.5	0.8	5 ✓
	Plank under gutter	1	25.0	1.6	0.1	3 ✓
	Barge Boards	2	20.0	1.1	0.1½	5 ✓
	Finials	2	10.0	0.3	0.3	1 ✓
	Gallery Joists	5	22.0	0.6	0.3	14 ✓
	" "	1	22.0	0.6	0.4	4 ✓
	Beams	2	9.0	1.0	0.10	15 ✓
	Plank	1	22.0	0.7	0.1	1 ✓
	Mouldings	1	22.0	0.3	0.3	1 ✓
	Rails	40	4.0	0.1½	0.1	2 ✓
	Turnst. wall plate	4	9.6	0.6	0.4	6 ✓
	Rafters	20	4.6	0.3	0.3	6 ✓
	Chairs	4	1.0	0.3	0.3	1 ✓
	Angle braces	4	3.0	0.6	0.3	1½ ✓
	Finials	1	6.0	1.6	1.6	14 ✓
	Eaves board	1	14.0	0.7	0.1	3 ✓
	Veranda supports	18	10.0	0.5	0.5	31 ✓
		Total Cubic feet 657 ✓				

Wrought Ironwork in Trusses. 8.		23		lb.	lb.
1/2" dia. tie rods for 20 ft Trusses	3	8'-6" = 25.6	4.09	104.30	✓
1/2" " " " 18 " "	3	7'-6" = 22.6	2.62	58.95	✓
1/2" " " " 16 " "	1	6'-3" = 6.3	1.03	6.37	✓
1/2" " Hex nut and bolt head	3		2.14	6.42	✓
1/2" " " " " "	3		1.10	3.30	✓
1/2" " " " " "	1		0.26	0.26	✓
1/2" Bolts	4	2'-9" = 11.0	2.62	28.82	✓
1/2" washers	4	0'-5" = 0.6		8.34	✓
1/2" Hex nut & bolt head	4		1.10	4.40	✓
1/2" strips for Trusses 20 ft	6	3'-6" = 0.2	0.1/2	70.14	✓
1/2" " " " 18 " "	6	3'-0" = 0.1 1/2	0.1/2	45.00	✓
1/2" " " " 16 " "	2	2'-6" = 0.1	0.1/2	8.35	✓
1/2" " " " 20 " "	6	0'-6" = 0.2	0.1/2	12.51	✓
1/2" " " " 18 " "	6	0'-6" = 0.2	0.1/2	10.02	✓
1/2" " " " 16 " "	2	0'-6" = 0.1 1/2	0.1/2	6.57	✓
1/2" " " " "	3/4	0'-6" = 0.1 1/4	0.1/4	35.53	✓
Totals lb.				409.28	✓
Total lb. 4101					✓

Doors & Windows

1/2" under gallery	1	6'-0" = 8'-0"	4.8	✓
1/2" " " " "	33	4'-0" = 8'-0"	105.6	✓
1/2" " " " "	3	3'-0" = 8'-0"	72	✓
1/2" " " " "	3	3'-0" = 3'-0"	27	✓
1/2" " " " "	2	2'-6" = 7'-0"	36	✓

Total Sup. feet 1239

Painting

Interior doors	4/30	4'-0" = 8'-0"	3840	✓
Interior " "	2/3	4'-0" = 8'-0"	192	✓
Interior " "	4/1	6'-0" = 8'-0"	192	✓
Interior " "			4224	✓

Brought forward Sup. ft. 4226			
Curt. Sable windows	4.3	3.0	8.0 2881
— Circular —	4.3	3.0	3.0 1081
Shard windows	4	2	2.6 7.0 2801
Barge Boards	7/2	21.0	1.3 1051
"	7/4	16.9	1.3 1681
"	7/2	19.6	1.3 971
"	7/2	15.0	1.3 751
"	7/2	20.0	1.3 1001
Brass brass. Turret	7/4	14.0	0.9 841

Total Sup. ft. 53291

Plastering exterior		Squares 56	
Basement all round	1	383.0	2.0 766 ✓
Magistrates & witnesses	1	83.0	11.0 913 ✓
Chks. Sheristadars	1	109.0	11.0 1199 ✓
Gables	1 1/2	21.0	8.0 252 ✓
"	1 1/2	19.0	8.0 76 ✓
Record room	1	67.0	11.0 737 ✓
Curt.	1	57.0	18.0 1026 ✓
Gables	1	21.0	7.0 189 ✓
Turret	1	27.0	30.0 810 ✓
Roofs	1	21.0	11.0 231 ✓

Total Sup. ft. 61991

Plastering interior		Squares 62	
Chks.	1	78.6	11.0 864 ✓
Sheristadars	1	73.0	11.0 803 ✓
Curt.	1	100.0	20.0 2000 ✓
Magistrates	1	54.0	11.0 594 ✓
Witnesses	1	68.0	11.0 748 ✓

Carried over Sup. ft. 5009

Brought forward Sup. ft. 5009			
Entrances	1	53.0	20.0 1060 ✓
Towers	1	22.0	30.0 660 ✓
Records	1	76.0	11.0 836 ✓
Passages	1	18.0	11.0 198 ✓
Gables	1	20.0	7.0 180 ✓
"	3/2	18.0	8.0 504 ✓
"	2	16.0	8.0 256 ✓
Total Sup. ft. 8703 ✓			
Squares 871			

Note. No deduction made for voids and no allowance for joints and soffits.

Tiling with flat tiles underneath including copers & nails.

Curt.	46.0	34.0	1564 ✓
Magistrates and witnesses	35.0	40.0	1400 ✓
Chks. Sheristadars & Records	68.0	42.0	2856 ✓
Roofs	25.0	20.0	500 ✓
Turret	28.0	8.0	224 ✓

Total Sup. ft. 6544 ✓

Squares 661

Terracing		Squares 2 1/2	
Galleries	1	20.0	12.0 240 ✓

Flooring		Squares 33 1/2	
Curt.	1	36.6	20.0 730 ✓
Chks. Sheristadars & Records	1	59.9	18.0 1076 ✓
Magistrates & witnesses	1	29.0	16.0 464 ✓
Verandahs	1	149.6	5.2 772 ✓
" ends	1	60.8	2.2 132 ✓
Sanitaries	36	4.0	1.0 144 ✓

Total Sup. ft. 43318 ✓

Squares 33 1/2

Rev 28 Sept/70 No 372

P. W. 1873 Report
No 316

No 2181.

From
The Consulting Architect
to Government

The Secretary
to Govt P. W. D.

Dated 4th April 1873
Received 4th do

En: 1.

Forwards detailed
quantities of Sub Collectors
Butchery Standard plan.

With an Order

M. E.

with this letter be printed and supplied to District

Engineers for information and guidance in
construction of G.O. No 1666 of 11th July 1872.

To District Engineer
and District

To District Engineer
and District

17/3
1873
15-15-78-

Encl

No 48-49.
67 April 73

29 15

Cp. 2181
St. of 1873 Madras.
PUBLIC WORKS.

To District Engg.

3rd May - 1264

No. 48749

Mr. Meekor's Cutcherry.

ailed quantities
general Specifica-

tion of Mr. Meekor's
Cutcherry on the

last plan ordered
reimbursed ~~to~~
ied to Mr. Meekor.

67 April 1873