

*Proceedings of the Madras Government, Public Works Department,
20th April 1874.*

No. 218. 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, dated Royapettah,
6th March 1874, No. 747:—

I have the honour to submit design for the out-buildings of Taluq Cutcheries
with detailed quantities called for in G. O., No. 2,865-B of the 28th Novem-
ber last.

STANDARD DESIGNS.

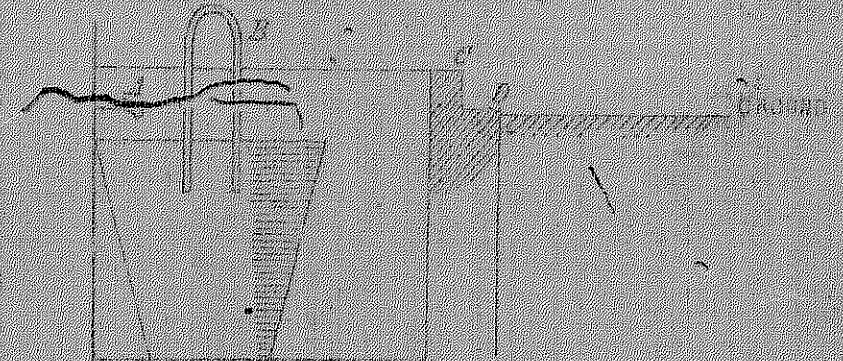
TALUQ CUTCHEERY OUT-BUILDINGS.

Specification.

The out-buildings shown on Drawing No. 20, dated the 6th March 1874, are as follow:—

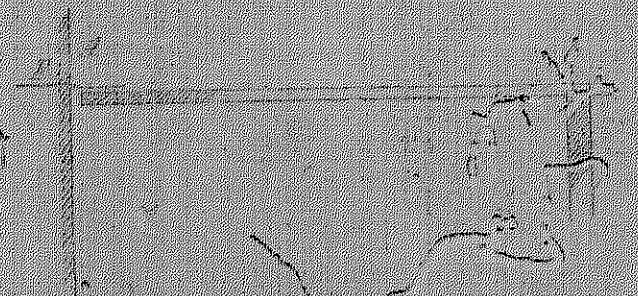
1. Ryot's shed.
2. Jail Cook-room.
3. Public Latrine.
4. Jail Latrine.
5. Gate and boundary wall if necessary.

The whole of these structures will be built of brick and mortar. The roofs will be of tiles,
supported by palmyrah rafters and couples. The floors will be of 6" square tiles. The latrines
will be floored with asphalt. The drains will be led into recesses (tubs) which are to be so
constructed that they can be easily removed. The end of the drain should have a metal lip
projecting about 4" from the wall A.



The handles B should project sufficiently above the wall C to
enable a bamboo to be slipped through them.

A sloping wooden cover should fit over the whole resting on
the ledge D and close against the wall at A, where the cover should
be let under lead flashing F.



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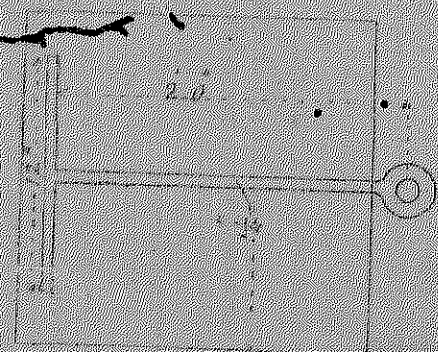
Mats should be provided as doors for the cook-room when this structure is in use.
Where a compound wall and gate are found necessary, they may be constructed in accordance with the plan.

The head of the gate will have a brass cap working on a pivot let into a 12" x 12" x 6" stone.

head of gate



The head will be held by a ring well built into brickwork.



Care must be taken to make the top of the gate fit exactly.
The head should be painted three coats patent white, oak colour paint. The iron work, dark green.

REVISÉ ESTIMATE FOR OUT-BUILDINGS OF TALUK CATCHERIES.
Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
IRON'S SUB.						
Excavation for Foundations.						
Outer walls	...	104 0	4 0	3 0	1,248	
					C. yds.	48
Concrete 12" thick.						
Excavation ÷ 3 =	...					
					C. yds.	15½
Brickwork in channam.						
Outer walls, footings	...	104 0	2 6	1 0	294	
Fillers	...	104 0	1 6	2 0	312	
Between pillars	12	1 6	1 6	2 6	230	
Do. do.	4	7 6	0 10	2 6	62	
Basement	4	6 6	0 10	2 6	54	
	...	115 0	1 2	1 3	130	
					1,072	
					C. yds.	40

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Detailed quantities. (Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Honeycomb work with tiles.	4	7 6	...	2 6	76	
	4	6 6	...	2 6	66	
					Sq. ft.	140
Filling in basement	...	34 0	14 6	0 9	375	
					C. yds.	14
Teakwood.						
Breastsummers	...	108 0	0 6	0 7	26	
Bayes board	...	128 0	0 6	0 7	...	
					C. ft.	32
Tiled roofing complete.	...	42 0	...	26 0	1,092	
					Squares.	11
Plastering.						
Pillars	12	6 0	...	3 6	612	
Between pillars	4	7 6	...	5 0	156	
Do. do.	4	6 6	...	5 0	136	
Basement	...	120 0	...	2 3	270	
					1,162	
					Squares.	11½
Flooring with square pavement tiles.	...	35 0	15 0	...	525	
	4	7 6	1 3	...	38	
					563	
					Squares.	5½
COOK-ROOM.						
Excavation for Foundations.	...	61 0	4 0	3 0	732	
					C. yds.	27
Concrete 12" thick.						
Excavation ÷ 3 =	...					
					C. yds.	9
Brickwork in channam.						
Walls, footings	...	61 0	2 0	1 0	122	
Do. above do.	...	61 0	1 3	10 0	763	
Gables	2	13 3	1 3	2 6	83	
Step	...	16 6	1 0	1 0	17	
					965	
Deduct openings	2	4 0	1 3	0 0	96	
					869	
					C. yds.	33
Filling in basement	...	16 0	12 0	0 0	192	
					C. yds.	24

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Detailed quantities.---(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Teakwood.</i>						
Wallplates	2	21 6	0 1	0 4	5	
Eaves board	2	21 6	0 1	0 7	2	
Do.	2	22 0	0 1	0 7	2	
					C. feet...	9
Tiled roofing complete		21 6		22 0	473	
					Squares.	44
<i>Plastering.</i>						
Interior		53 0		9 0	477	
Gables	2	12 0		2 6	60	
Exterior		58 0		9 0	522	
Gables		14 6		2 6	78	
					1,132	
					Squares.	111
<i>Flooring with square pavement tiles.</i>						
Room		16 0	12 0		192	
Doorways	2	4 0	1 3		10	
Step		16 0	1 0		16	
					218	
					Squares.	24
<i>PUBLIC LATRINE.</i>						
<i>Excavations for Foundations.</i>						
Outer walls		102 0	4 0	3 0	1,224	
Seats	2	13 0	3 0	1 6	117	
Earth store wall	1	10 6	1 0	1 6	16	
Cisterns	2	4 0	3 0	3 0	72	
					1,429	
					C. yds...	53
<i>Concrete 12" thick.</i>						
Excavation + 3"					C. yds...	13
<i>Brickwork in chum.</i>						
Outer walls, foundations		102 0	2 3	1 0	230	
Do. do.		102 0	1 6	1 0	153	
Seats	2	13 0	3 0	1 0	78	
Cisterns, do.	2	8 6	0 9	2 0	26	
Do. do.	2	3 0	4 0	0 6	12	
Earth store wall		13 0	1 0	1 0	15	
Outer walls, basement		102 0	1 6	6 6	77	
Pillars	12	1 6		8 6	230	
Seat partitions	2	13 0		6 6	71	
Do. do.	12	2 0	0 6	5 6	66	
Earth store wall	1	13 6	0 6	4 0	27	
Seats	10	2 0	2 0	0 6	20	
					663	
					C. yds...	37

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Detailed quantities.---(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Honeycomb work with tiles.</i>						
	2	10 0		8 6	170	
	8	7 0		8 6	470	
		4 0		3 0	34	
					8 pl. ft.	680
<i>Teakwood.</i>						
Breastsummers	2	45 0	0 5	0 7	22	
Eaves board		132 0	0 1	0 7	6	
					C. feet.	28
<i>Tiled roofing complete.</i>						
		45 0		21 0	945	
					Squares.	94
<i>Plastering.</i>						
Basement		108 0		6 6	54	
Pillars	12	6 0		8 6	612	
Seat partitions	2	13 0		11 6	299	
Do.	11	2 0		11 6	253	
Earth store wall		13 0		8 0	104	
Cisterns	2	2 3		2 6	11	
Do.	2	9 8		2 6	48	
					1,381	
					Squares.	14
<i>Flooring with asphalt.</i>						
		39 6		11 6	454	
					Squares.	44
<i>Crap-doors over cisterns</i>						
2 in No.	2					
4 in No.	4					
<i>JAIL LATRINE.</i>						
<i>Excavation for Foundations.</i>						
Outer walls		70 0	4 0	3 0	840	
Partition wall		7 6	4 0	3 0	90	
Seats	15	0	3 0	1 6	35	
Latrine		4 0	3 0	3 0	35	
					1,034	
					C. yds.	39
<i>Concrete 12" thick.</i>						
Excavation + 3"					C. yds.	13
<i>Brickwork in chum.</i>						
Outer walls, footings		70 0	2 3	1 0	158	
Partition wall do.		9 3	1 9	1 0	16	
Outer walls up to ground level		70 0	1 6	1 0	105	
Partition wall do.		9 0	1 0	1 0	10	
Seats		3 0	3 0	1 0	45	
Latrine		8 6	0 9	2 0	13	
Do.		2 0	4 0	0 6	6	

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Detailed quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Brick work in chunam.—(Contd.)</i>						
Basement above ground	...	70 0	1 6	0 6	53	
Pillars	...	1 0	1 6	8 6	172	
Partition wall	...	10 0	1 0	9 0	90	
Gable	...	...	1 0	2 0	26	
Sent partitions	...	15 0	0 6	5 6	41	
Do.	...	2 0	0 6	5 6	33	
Seats	...	2 0	2 0	0 6	12	
					780	
					C. yds.	29
<i>Honeycomb work with tiles</i>						
	...	50 6	...	3 6	...	
					Supl. ft.	429
<i>Teakwood</i>						
Breastsummers	...	29 0	0 5	0 7	14	
Eaves board	...	100 0	0 1	0 7	5	
					C. feet.	19
<i>Tiled roofing complete.</i>						
	...	29 0	...	21 0	609	
					Squares.	6
<i>Plastering.</i>						
Basement	...	76 0	...	0 6	38	
Pillars	...	6 0	...	8 6	459	
Partition	...	10 0	...	10 9	215	
Sent partitions	...	15 0	...	11 6	173	
Do.	...	2 0	...	11 6	188	
Cistern	...	2 3	...	2 6	6	
Do.	...	0 8	...	2 6	24	
					1,053	
					Squares.	104
<i>Flooring in asphalt.</i>						
	...	22 6	...	11 6	259	
					Squares.	24
<i>Trap-door & zinc buckets</i>						
Trap-door	1	In No.	...	...	...	
Zinc buckets	2	In No.	...	...	...	
<i>Excavation for Foundations.</i>						
	2	3 6	3 6	3 0	74	
					C. yds.	3
<i>Concrete 12" thick.</i>						
Excavation ÷ 3	...	...	...	...	...	
					C. yds.	1
<i>Brickwork in chunam, footings</i>						
	2	3 3	3 3	1 0	21 0	
Do.	2	2 6	2 6	2 0	35 0	
Do.	2	2 0	2 0	5 0	40 0	
					96 0	
					C. yds.	34

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Detailed quantities.—(Concluded.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Teakwood for Gates.</i>						
Posts	2	0 4	0 4	5 0	1	
Do.	2	0 4	0 4	4 0	1	
Styles	2	14 0	0 4	0 4	3	
Do.	2	14 0	0 3	0 4	2	
Diagonals	2	15 6	0 3	0 3	2	
					C. feet.	9
<i>Plastering or pointing</i>						
	2	8 9	...	1 0	18	
		7 0	...	5 6	77	
					95	
					Squares.	1
<i>Boundary wall for a length of 10 feet.</i>						
Excavation for foundations	1	10 0	...	...	120	C. feet.
<i>Concrete 12" thick.</i>						
Excavation ÷ 3	...	...	...	...	40	C. feet.
<i>Brickwork in chunam.</i>						
Footings	1	10 0	2 0	1 0	20	
Above footings	1	10 0	1 3	2 0	25	
Do.	1	10 0	1 0	2 0	20	
Do.	1	10 0	0 9	1 3	9 4 1/2	
Do.	1	10 0	1 3	0 9	9 4 1/2	
					88 9	
					Say C. ft.	84
<i>Plastering or pointing</i>						
	1	10 0	...	11 0	11	Supl. ft.

ABSTRACT.

Quantity.	Item.	Rate.	Per.	Amount.	Total.
Byot's Sums.					
40 C. yds.	Excavation for foundations.	RS.		RS.	RS.
154 "	Concrete				
40 "	Brickwork in chunam				
149 S. feet.	Honeycomb work with tiles.				
14 C. yds.	Filling in basement				
32 C. feet.	Teakwood				
11 Squares.	Tiled roofing complete				
114 "	Plastering or pointing				
54 "	Flooring with square tiles.				

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Quantity.	Item.	Rate.	Per.	Amount.	Total.
		Rs.		Rs.	Rs.
COOK-HOUSE.					
27 C. yds.	Excavation for foundations.				
1 "	Concrete				
33 "	Brickwork in chunam				
53 "	Filling in basement				
9 C. feet.	Teakwood				
13 Squares.	Tiled roofing complete				
111 "	Plastering or pointing				
21 "	Flooring with square tiles.				
PUBLIC LATRINE.					
53 C. yds.	Excavation for foundations.				
18 "	Concrete				
37 "	Brickwork in chunam.				
680 Supl. ft.	Honeycomb work with tiles				
28 C. ft.	Teakwood				
94 Squares.	Tiled roofing complete				
14 "	Plastering or pointing				
44 "	Flooring with asphalt				
2 No.	Trap-doors over cisterns				
4 "	Zinc buckets				
PAN LATRINE.					
39 C. yds.	Excavation for foundations.				
18 "	Concrete				
28 "	Brickwork in chunam				
429 Supl. ft.	Honeycomb work with tiles.				
19 C. ft.	Teakwood				
8 Squares.	Tiled roofing complete				
104 "	Plastering or pointing				
24 "	Flooring with asphalt				
1 No.	Trap-doors over cistern				
2 "	Zinc buckets				
GATE.					
3 C. yds.	Excavation for foundations.				
1 "	Concrete				
33 "	Brickwork in chunam				
9 C. feet.	Teakwood including iron- work and pointing				
1 Square.	Plastering or pointing				

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Quantity.	Item.	Rate.	Per.	Amount.	Total.
		Rs.		Rs.	Rs.
BOUNDARY WALL OF A GARDEN OF 20 ACRES.					
120 C. feet.	Excavation				
40 "	Concrete				
84 "	Brickwork in chunam				
110 Supl. ft.	Plastering or pointing				
	For a length of 10 feet				
	For feet				
	Total				
	Contingencies at 5 per cent.				
	Grand Total				

MADRAS,
6th March 1874.

(Signed) R. F. SHISHOLM,
Consty. Architect to Govt.

No. 219.

ORDER THEREON, 20th April 1874, No. 1,014.

CIVIL WORKS, No. 25.

Ordered that the revised design of
out-buildings for Taluk Catcheries be
lithographed for distribution with the
detailed quantities submitted with this letter.

(True Extract.)

Chambers Colonel, R.E.,
Secretary to Government.

To District Engineers.
To the Inspecting Engineer for Buildings.
.. Revenue Department.
.. Judicial do.

Ed. T. O'Connor.

20 Spare Copies & Design will follow for Madras.

2-2-95
1871/96

Revenue Department
Dist. of Madras
PUBLIC WORKS

1871/96

DISTRICT ENGINEERS

1871/96

1871/96

APRIL

Nos. 218-219

1871/96

The revenue department
has received a report from the
District Engineer, Madras, dated
the 1st inst., regarding the
proposed construction of a
road from the village of
Puducherry to the village of
Puducherry.

1871/96
Communicated to
the Board of Revenue

1871/96

1871/96

Rev 1873 Dec

N^o 4122

Govt of India

Dep. A. R. F.

N^o 641

Of 20th
A. 29th Dec 73

Forwarding for info
under letter from Director of
Govt. Museum, Calcutta
in Java containing the infor-
mation requested respecting
the manufacture of the
phone by H. J. Quint.

N^o 55

Communicated to

the Govt. Geologist and
the Commissioner, Belgia.

Belgia
Belgia 31st Jan 74

11th January 1874

Copy forwarded to the Government of Madras for info.
of the Government of Madras and the Government of
Belgia.
105-106