M.R.O. 1—10,006—28-2-50.

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(3) Initials of the Referencer _____

ADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. 1366. Press Original
B.P. No. —Mis.—

Dated 22-5-1874 195

Not to be folded or roughly handled

No. 456. 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 Madras, 21st October 1873, No. 587 :—

I HAVE the honour to forward you detailed quantities and specification for the revised design for the first-class standard Taluq Cutcherries, dated April 1872.

2. It will save much repetition of labour if these quantities are printed and circulated to local officers ; they will be found more accurate than those prepared by most Mofussil Estimators.

SPECIFICATION.

Specification of Works to be performed in constructing a first-class Taluq Cutcherry, Subsidiary Jail, and Post Office—See Drawing Nos. 1 *and* 2, *signed by Consulting Architect, dated April* 1872.

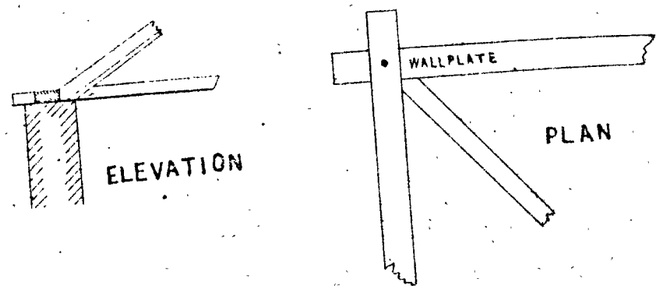
Excavation.—After the centre line has been pegged out and the breadths of the foundations lockspitted excavate the trenches to the full depths shown on the drawing.

Depth.—(See G. O., No. 1,264, 3rd May.)

Concrete.—(Written Order to lay concrete, do. do.)

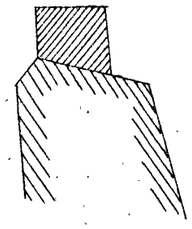
Brickwork.—After the concrete has been properly consolidated commence brickwork, and work to the true thickness and heights shown on the drawing.

Roofing.—Record-room. A wall plate 5″×4″ will run all round the upper part of the wall except where the spiral intersects the roof. This plate will be either scarped or bolted together so as to receive in the angles the thrust of the hip rafters. The angles will be halved and spiked.

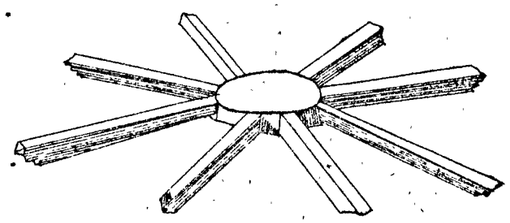


The hip rafter at the spiral angle will be bedded in the masonry of the spiral above the level of the wall-plate so as to preserve the same angle of roofing.

Roof of Spiral.—The curb of wood on which the spiral rests must be bolted down by eight bolts as shown on the drawing. Care must be taken to cut the underside of the curb so as to prevent the water from getting in between the wood and the masonry.

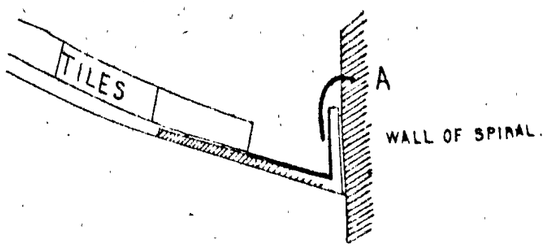


After the uprights and top pieces have been tennoned into the curb, eight horizontal pieces tennoned into a central boss will be spiked on the top.



From the ends of these rise the eight angle pieces forming the spirelet. A piece 3″×4″ will receive the lower weather board, after which the boards will overlap each other to the extent of 2 inches. A neatly cut roll notched to fit the weather boarding on the underside and rounded on top will run up the outer angles. A solid wood cap will carry the finial. (*Note.*—These finials can be supplied by Consulting Architect on indent.)

Flushing at Spiral.—Where the roof butts *the spiral great* care must be taken to make it watertight. Under the tiles must be placed a metal gutter 9 inches broad and 6 inches high securely fastened to ¼ inch boarding.



About 1 inch above the gutter, metal "flashing" must be placed in a chiselled groove in the masonry and turned down into the gutter.

For all the particulars regarding materials, trusses, and carpentry, see specification circulated with G. O., No. 2,906, dated 16th November 1871.

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

Proceedings of the Madras Government, Public Works Department,
22nd May 1874.

ESTIMATE FOR CONSTRUCTING A TALUQ CUTCHERRY, SUBSIDIARY JAIL, AND POST OFFICE WITH OUT-HOUSES.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Excavation for foundations.						
Court-house and Post Office. Outer walls	1	156 0	5 0	4 0	3,120	
Partitions	2	14 6	5 0	4 0	580	
Do.	1	6 6	3 10	4 0	100	
Verandah	1	35 10	3 10	4 0	549	
Steps	1	21 0	3 0	1 0	63	
Clerks' rooms ... Front wall	1	29 0	5 0	4 0	580	
Rear do.	1	38 0	5 0	4 0	760	
Partition	1	14 6	5 0	4 0	290	
Do.	1	13 3	5 0	4 0	265	
Turret	1	12 0	12 0	6 0	864	
Sheristadar and Cashier. Front wall	1	24 9	5 3	4 0	520	
Rear do.	1	27 9	5 3	4 0	583	
Partition	1	14 0	4 9	4 0	266	
Do.	1	26 6	5 0	4 0	530	
Public hall ... Front and ends	1	38 6	5 0	4 0	770	
Steps	1	18 0	3 0	1 0	54	
Back Verandah	1	32 1	3 10	4 0	492	
Inspector and Police. Front, rear, and end	1	51 0	5 0	4 0	1,020	
Partition	1	14 6	4 9	4 0	276	
Covered way	2	26 6	3 10	4 0	813	
Jail ... ... Outer walls	1	139 6	5 0	4 0	2,790	
Partitions	3	11 6	4 9	4 0	656	
				C. feet.	15,941	
				C. yds.		590
Concrete 12″ thick.						
Excavation ÷ 4 = ...	...	.....	.....	.....	C. yds.	147½
Brickwork in foundations—footings.						
Court-house and Post Office. Outer walls	1	156 0	2 10	1 6	663	
Partitions	2	16 8	2 10	1 6	142	
Do.	1	8 8	1 10	1 6	24	
Clerks' rooms ... Verandah	1	38 0	1 10	1 6	105½	
Front wall	1	31 2	2 10	1 6	132	
Rear do.	1	38 0	2 10	1 6	162	
Partition	1	16 8	2 10	1 6	71	
Do.	1	15 8	2 10	1 6	67	
Turret	1	9 10	9 10	1 6	145	
Sheristadar and Cashiers. Front wall	1	26 8	3 1	1 6	123	
Rear do.	1	29 11	3 1	1 6	138	
Partition	1	16 2	2 7	1 6	63	
Do.	1	24 4	2 10	1 6	103	
Public hall ... Front and ends	1	40 8	2 10	1 6	173	
Back Verandah	1	34 3	1 10	1 6	94	
Inspector and Police. Front, rear, and end	1	54 2	2 10	1 6	230	
Partition	1	16 8	2 7	1 6	65	
Covered way	2	28 8	1 10	1 6	158	
Jail ... ... Outer walls	1	139 6	2 10	1 6	593	
Partitions	3	13 8	2 7	1 6	159	

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Above Footings.		FT. IN.	FT. IN.	FT. IN.		
Court-house and Post Office. Outer walls	1	156 0	1 6	1 6	351	
Partitions	2	18 0	1 6	1 6	81	
Do.	1	10 0	0 10	1 6	13	
Verandah	1	39 4	0 10	1 6	49	
Steps	1	21 0	3 0	0 9	47	
Clerks' rooms ... Front wall	1	32 6	1 6	1 6	73	
Rear do.	1	38 0	1 6	1 6	86	
Partition	1	18 0	1 6	1 6	41	
Do.	1	17 0	1 6	1 6	38	
Turret	1	8 6	8 6	3 0	217	
Sheristadar and Cashier. Front wall	1	29 6	1 9	1 6	77	
Rear wall	1	31 3	1 9	1 6	82	
Partition	1	17 6	1 3	1 6	33	
Do.	1	21 3	1 6	1 6	48	
Back verandah	1	35 7	0 10	1 6	44	
Public ... ... Front and ends ...	1	42 0	1 6	1 6	95	
Steps	1	18 0	3 0	0 9	41	
Inspector and Police. Front, rear, and end ...	1	54 6	1 6	1 6	123	
Partition	1	18 0	1 3	1 6	34	
Covered way	2	30 0	0 10	1 6	75	
Jail ... ... Outer walls	1	139 6	1 6	1 6	314	
Partition	3	15 0	1 3	1 6	84	
Plinth all round	1	409 0	0 4	1 6	205	
				C. feet.	5,661	
				C. yds.		210
Brickwork above ground to floor-level.						
Court-house and Post Office. Outer walls	1	156 0	1 6	2 0	468	
Partition	2	18 0	1 6	2 0	108	
Do.	1	10 0	0 10	2 0	17	
Verandah	1	39 4	0 10	2 0	66	
Clerks ... ... Front wall	1	32 6	1 6	2 0	98	
Rear do.	1	38 0	1 6	2 0	114	
Partition	1	18 0	1 6	2 0	54	
Do.	1	17 0	1 6	2 0	51	
Turret	1	23 6	1 6	2 0	71	
Sheristadars and Cashiers. Front wall	1	29 6	1 9	2 0	103	
Rear do.	1	31 3	1 9	2 0	109	
Partition	1	17 6	1 3	2 0	44	
Do.	1	21 3	1 6	2 0	64	
Back verandah	1	35 7	0 10	2 0	59	
Public ... ... Front and ends ...	1	42 0	1 6	2 0	126	
Steps	1	16 0	2 0	1 6	48	
Inspectors and Police. Front, rear, and end...	1	54 6	1 6	2 0	164	
Partition	1	18 0	1 3	2 0	45	
Covered way	2	30 0	0 10	2 0	100	
Jail ... ... Outer walls	1	139 6	1 6	2 0	419	
Partitions	3	15 0	1 3	2 0	113	
Plinth all round	1	423 0	0 4	2 0	282	
						2,723
Deduct stone course on basement.						
Court-house verandah	1	39 4	0 10	0 6	16	
Back verandah	1	35 7	0 10	0 6	15	
Covered way	2	30 0	0 10	0 6	25	
						56
				C. feet.		2,667
				C. yds.		99

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Brickwork above floor-level.		FT. IN.	FT. IN.	FT. IN.		
Court-house and Post Office. Outer walls	1	156 0	1 6	11 6	2,691	
Partitions	2	18 0	1 6	11 6	621	
Do.	1	10 0	0 10	11 6	96	
Gables	2	18 0	1 6	3 6	189	
Clerks ... ... Front wall	1	32 6	1 6	11 6	561	
Rear do.	1	38 6	1 6	11 6	664	
Partition	1	18 0	1 6	11 6	311	
Gables	2	18 0	1 6	3 6	189	
Turret	1	23 0	1 3	26 0	748	
Sheristadar and Cashier. Front wall	1	29 6	1 9	12 0	620	
Rear do.	1	31 3	1 9	12 0	656	
Partition	1	16 0	1 6	12 0	288	
Do.	1	19 0	1 6	12 0	342	
Do.	1	17 6	1 3	12 0	263	
Upper storey walls ...	1	104 6	1 6	11 6	1,803	
Public ... ... Front and ends ...	1	42 0	1 6	12 0	756	
Gable	1	18 0	1 6	3 0	81	
Inspector and Police. Front, rear, and ends.	1	56 6	1 6	11 6	975	
Partition	1	18 0	1 3	11 6	259	
Gable	1	18 0	1 6	3 6	95	
Do.	1	18 0	1 3	3 6	79	
Jail ... ... Outer walls	1	139 6	1 6	11 6	2,406	
Partition	3	15 0	1 3	11 6	647	
Gables	3	18 0	1 3	3 6	236	
						15,676
Deduct.						
Doors	4	4 0	1 9	4 0	112	
Do.	25	4 0	1 6	4 0	600	
Do.	1	4 0	1 3	4 0	20	
Do.	1	12 0	1 6	4 6	81	
Large archway	6	5 0	1 6	5 0	225	
Small do.	3	4 0	1 6	4 0	72	
Do. do.	1	4 0	1 3	4 0	20	
Do. do.	2	3 0	1 3	3 0	23	
Spiral doors	7	2 3	1 6	2 6	59	
Record-room windows	6	1 9	1 6	1 0	16	
Jail ventilators	6	1 9	1 6	4 0	66	
Honey-comb work	2	5 6	1 6	0 6	16	
Stone under trusses	14	1 6	1 6			
						1,310
				C. feet.		14,266
				C. yds.		528½
Cut-stone (if procurable at reasonable rates).						
On basement ... Court-house verandah.	1	39 4	0 10	0 6	16	
Back verandah ...	1	35 7	0 10	0 6	15	
Covered way	2	30 0	0 10	0 6	25	
Court-house steps	1	64 6	1 3	0 6	40	
Public steps	1	54 0	1 3	0 6	34	
Under trusses	14	1 6	1 6	0 6	16	
				C. feet.		146
Filling in basement.						
Court-house, etc.	1	63 2	18 0	1 9	1,990	
Clerks, Inspectors, and Police	1	50 6	18 0	1 9	1,591	

N.B.—Half the quantity of void only is deducted; the other half covering the cost of centring and archwork.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Filling in basement.—(Concld.)						
Sheristadar and Cashier...	1	30 0	17 6	1 9	919	
Verandah	1	29 7	4 8	1 9	244	
Public and Jail	1	60 0	15 0	1 9	1,575	
Covered way	1	30 0	14 0	1 9	735	
				C. feet.	7,054	
				C. yds.		261
Teakwood.						
Court-house and Post Office—						
Truss, 18 feet span. Tie-beams	2	21 0	0 4	0 8	9	
Principal rafters ...	4	11 3	0 4	0 5	6	
Struts...	4	5 6	0 3	0 4	2	
Purlins	2	69 0	0 7	0 8	54	
Do.	2	60 0	0 4	0 4	13	
Do.	1	21 0	0 4	0 4	2	
Ridge pole	1	49 0	0 2	0 9	6	
Common rafters ...	61	16 9	0 3	0 3½	75	
Do. ...	13	13 0	0 3	0 3½	12	
Hip rafters	6	22 0	0 4	0 6	22	
Verandah posts ...	6	0 5	0 5	13 6	14	
Do. breastsummer.	1	43 0	0 5	0 6	9	
Do. do. ...	1	41 0	0 3	0 4	3	
Do. struts ...	113	3 0	0 2	0 2	9	
Uprights, double ...	226	0 3	0 1	4 2	20	
Purlin supports ...	13	1 0	1 0	0 6	7	
Clerks—						
Truss, 18 feet span. Tie-beam	1	21 0	0 4	0 8	5	
Principal rafters ...	2	11 3	0 4	0 5	3	
Struts	2	5 6	0 3	0 4	1	
Purlins	2	43 0	0 7	0 8	33	
Do. wall	2	38 6	0 4	0 4	9	
Ridge pole	1	48 0	0 2	0 9	6	
Common rafters ...	48	16 9	0 3	0 3½	59	
Struts	46	3 0	0 2	0 2	4	
Uprights, double ...	92	0 3	0 1	4 2	8	
Purlin supports ...	6	1 0	1 0	0 6	3	
Sheristadar and Cashier. Beam	1	33 3	0 9	1 0	25	
Joist	22	19 0	0 2½	0 4	29	
Record-room—						
Wall-plate	1	100 0	0 5	0 4	14	
Trusses, 18 feet span. Tie-beam	2	21 0	0 4	0 8	9	
Principal rafters ...	4	11 3	0 4	0 5	6	
Struts	4	5 6	0 3	0 4	2	
Purlins	2	23 0	0 7	0 8	18	
Do.	2	10 0	0 7	0 8	8	
Do. on wall ...	2	33 0	0 4	0 4	7	
Do. do. ...	2	20 0	0 4	0 4	4	
Ridge pole	1	13 0	0 2	0 9	2	
Hip rafters	4	18 0	0 4	0 6	12	
Common rafters ...	44	13 0	0 3	0 3½	42	
Purlin supports ...	8	1 0	1 0	0 6	4	
Back verandah—						
Posts	4	0 5	0 5	11 0	8	
Breastsummers	1	32 0	0 5	0 6	7	
Rafters	22	7 6	0 2	0 4	9	

Proceedings of the Madras Government, Public Works Department,
22nd May 1874.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Teakwood.—(Concluded.)						
Public—						
Purlins	2	17 6	0 6	0 5	7	
Do. wall	2	17 6	0 4	0 4	4	
Rafters	22	12 0	0 2	0 3	11	
Ridge pole	1	17 6	0 2	0 9	2	
Barge board	2	12 0	0 1½	1 0	3	
Finial	1	16 0	0 3	0 3	1	
Inspectors and Police—						
Purlins	2	18 0	0 7	0 8	14	
Do. wall	2	18 0	0 4	0 4	4	
Ridge	1	18 0	0 2	0 9	2	
Rafters	26	16 9	0 3	0 3½	32	
Struts	26	3 3	0 2	0 2	2	
Uprights, double	52	4 2	0 3	0 1	5	
Covered way—						
Trusses, 15 feet span. Tie-beam	2	18 0	0 4	0 6	6	
Principal rafters ...	8	15 0	0 1½	0 3	4	
Struts...	4	4 9	0 3	0 3	1	
Purlins	6	31 6	0 5	0 6	39	
Ridge pole	1	31 6	0 2	0 9	4	
Common rafters ...	42	15 0	0 2	0 3	26	
Struts	4	3 0	0 3	0 4	1	
Posts	4	13 6	0 5	0 5	9	
Do. side pieces ...	8	0 5	0 4	2 3	3	
Jail—						
Truss, 15 feet span. Tie-beam	2	18 0	0 4	0 6	6	
Principal rafter ...	4	9 6	0 4	0 4	4	
Struts...	4	4 9	0 3	0 3	1	
Purlins	2	52 9	0 6	0 5	22	
Do. wall	2	53 0	0 4	0 4	12	
Ridge pole	1	37 0	0 2	0 9	5	
Common rafters ...	74	15 0	0 2	0 3	46	
Hip rafters	6	20 0	0 4	0 5	17	
Struts	86	3 3	0 2	0 2	8	
Uprights, double ...	172	4 2	0 3	0 1	15	
Turret—						
Wall-plates	8	2 6	0 6	0 5	4	
Uprights	8	1 0	0 6	6 0	24	
Breastsummers	8	2 6	0 6	0 6	5	
Angle pieces	16	0 7	0 7	0 6	3	
Venetians	48	1 6	1 9	0 1	11	
Joists	8	8 0	1 0 4	0 6	11	
Above do.	8	3 0	0 0 3	0 4	2	
Rafters	8	0 4	0 0 2	11 3	5	
Planks	8	1 6	0 0 3/4	0 9	12	
Finial	22	1 3	1 3	2 9	4	
Eaves board throughout ...	1	506 0	0 1½	0 9	47	
				C. feet.	1,044	
				lbs.	lbs.	
Wrought Iron in Trusses, etc.						
1″ King rods for 18 feet trusses	5	8 0	= 40 ×	2·62 =	104·80	
⅝″ ,, ,, for 15 ,, ,, ...	4	7 0	= 28 ×	1·02 =	28·56	
1½″×½″ flat iron straps for 18 feet trusses	10	3 0	= 30 ×	2·50 =	75·00	
1½″×⅜″ ,, ,, for 15 ,, ,,	8	2 3	= 18 ×	1·87 =	33·66	
1¾″×½″ plates for 18 feet trusses ...	10	0 6	= 5 ×	2·92 =	14·60	
1¾″×⅜″ ,, for 15 ,, ,, ...	8	0 6	= 4 ×	2·19 =	8·76	

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Wrought Iron in Trusses, etc.—(Conld.)		FT. IN.	FT. IN.	lbs.	lbs.	
1″ hex nut and bolt head for 18 feet trusses.	5	... ...	... ...	1·10 =	5·50	
⅝″ „ „ „ 15 „ „	4	... ...	... ...	0·26 =	1·04	
1″ bolt for holding down turret wall-plates.	8	5 0	= 40 ×	2·62 =	104·80	
1″ hex nuts for „ „ „	8	... ...	... ...	1·10 =	8·80	
½″ bolts for securing covered way posts ...	8	1 6	= 12 ×	0·65 =	7·80	
¼″ „ „ „ „ rafters ...	12	0 8	= 8 ×	0·16 =	1·28	
¼″ „ „ „ uprights to rafters ...	542	0 6	=271 ×	0·16 =	43·36	
					437·96	
				Say...	lbs.	438
Doors.				FT. IN.		
Venetian and panel	24	4 0	... ...	8 0	768	Supl. ft.
Iron doors for Jail.						
With wooden shutters	6	4 0	... ...	8 0	192	Supl. ft.
Windows with Iron bars.						
For record-room	7	2 3	... ...	4 6	71	
Circular portions	8½	4 0	... ...	Area.	34	
					105	Supl. ft.
Jail ventilators with iron bars... ...	6	4 0	... ...	2 6	60	Supl. ft.
Painting with Oak colour.						
Venetian and panel doors, 3	24	4 0	... ...	8 0	2,304	
Jail doors, 4	6	4 0	... ...	8 0	768	
Do. ventilators, 2	6	4 0	... ...	2 6	120	
Record-room windows, 3	7	2 3	... ...	4 6	213	
Do. cir. portions, 3	8½	Area.	4 0	... ...	102	
Public, barge board	2	12 0	... ...	1 0	24	
Do. finial	1	16 0	... ...	1 0	16	
Wood-work in turret	3	22 0	... ...	6 6	429	
Do.	8	8 0	... ...	1 8	107	
Do.	2	12 0	... ...	12 0	288	
				Supl. ft.	4,371	
					Squares.	44
Pointing exterior.						
Court-house, Clerks, Inspectors and Police and Jail.	1	411 6	... ...	13 6	5,555	
Gables	2	21 0				
Do.	1	17 0	... ...	4 0	168	
Turret	1	14 6	... ...	4 0	68	
Sheristadars and public front	1	29 6	... ...	28 0	406	
Do. rear	1	32 6	... ...	25 0	738	
Do. sides	2	20 0	... ...	25 0	813	
Public sides	2	13 6	... ...	8 0	320	
				14 0	378	
				Supl. ft.	8,446	
					Squares.	84½

N.B.—No deduction made for voids and no allowance for jambs and soffits.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Plastering interior.		FT. IN.	FT. IN.	FT. IN.		
Post Office	1	234 4	... ...	11 6	2,695	
Do. gables	5	18 0	... ...	3 6	315	
Clerks	1	142 0	... ...	11 6	1,633	
Do. gables	4	18 0	... ...	3 6	252	
Turret	1	19 0	... ...	26 0	494	
Sheristadar, cashier	1	129 0	... ...	12 0	1,548	
Record-room	1	98 6	... ...	11 6	1,133	
Public	1	54 0	... ...	12 0	648	
Do. gables	2	15 0	... ...	3 0	90	
Inspector and Police	1	103 0	... ...	11 6	1,185	
Do. gables	4	18 0	... ...	3 6	252	
Jail	1	216 0	... ...	11 6	2,484	
Do. gables	6	15 0	... ...	3 6	315	
				Supl. ft.	13,044	
					Squares.	130¼
Terracing.						
Sheristadars and cashiers	1	32 0	... ...	18 0	576	
					Squares.	5¾
Tiling with flat tiles underneath, including reepers and nails.						
Court-house, etc.	1	73 0	... ...	33 6	2,446	
Clerks' rooms	1	33 6	... ...	33 6	1,122	
Record-room	1	37 0	... ...	29 0	1,073	
Back verandah	1	32 0	... ...	7 3	232	
Public	1	16 6	... ...	24 0	396	
Police and Inspectors and covered way ...	1	45 3	... ...	32 0	1,448	
Jail	1	62 3	... ...	30 0	1,868	
				Supl. ft.	8,585	
					Squares.	86
Flooring with square pavement tiles.						
Court-house and Post Office	1	64 0	... ...	18 0	1,152	
Clerks' rooms	1	35 0	... ...	18 0	630	
Sheristadar and cashiers	1	30 0	... ...	17 6	525	
Back verandah	1	31 3	... ...	5 6	172	
Inspector and Police	1	15 6	... ...	18 0	279	
Covered way	1	30 0	... ...	16 6	495	
Public	1	12 0	... ...	15 0	180	
Doorways	23	4 0	... ...	1 0	92	
Archways	11	4 0	... ...	1 6	66	
				Supl. ft.	3,591	
					Squares.	36

Detailed Quantities.—(Concluded.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Flooring with Asphalte.						
Jail wards	1	48 0	... ...	15 0	720	
Doorways	6	4 0	... ...	0 6	12	
				Supl. ft.	732	
				Squares.		7⅓
Cornice.						
Record-room, exterior and interior ...	1	209 0	... ...	... ...	209	
Court-house, interior	2	54 0	... ...	... ...	108	
Inspectors and Police, interior	2	15 6	... ...	... ...	31	
Clerks' rooms, interior	2	35 0	... ...	... ...	70	
Public do.	2	12 0	... ...	... ...	24	
Turret, exterior	1	28 0	... ...	... ...	28	
				L. feet.	470	
Fixing zinc sheets to the valleys.						
Over Court-house	2	22 0	... ...	... ...	44	
Do. Jail	2	20 0	... ...	... ...	40	
				L. feet.	84	
Wrought iron finial for turret, 1 in No. ...	...	... ...	... ...	... ...	... ...	
Spiral stairs, 1 in No.	...	... ...	... ...	... ...	... ...	

ABSTRACT.

Quantity.	Item.	Rate.	Per.	Amount.	Total.
		RS.		RS. A. P.	RS.
590 C. yds.	Excavation for foundations.				
147½ ,,	Concrete				
210 ,,	Brickwork in foundations...				
99 ,,	Do. in basement ...				
528½ ,,	Do. in superstructure.				
146 C. feet.	Cut-stone				
261 C. yds.	Filling in basement ...				
1,030 C. feet.	Teakwood				
438 lbs.	Wrought Iron work in trusses, etc.				
768 S. feet.	Venetian and panel doors ...				
192 ,,	Iron doors with wooden shutters for Jail... ...				
105 ,,	Windows, the iron bars for Record-room				
60 ,,	Ventilators, with iron bars for Jail				
44 Squares.	Painting oak colour ...				
84½ ,,	Pointing exterior walls ...				
130½ ,,	Plastering interior walls ...				
5¾ ,,	Terracing				
86 ,,	Tiling with flat tiles underneath, including reepers, nails, etc.				

ABSTRACT.—(*Concluded.*)

Quantity.	Item.	Rate.	Per.	Amount.	Total.
		RS.		RS.	RS.
36 Squares.	Flooring with square pavement tiles				
7⅓ ,,	Flooring jail with asphalte				
470 L. feet.	Cornice				
84 ,,	Zinc sheets to the valleys...				
1 in No.	Wrought iron finial for turret				
1 in No.	Spiral stairs				

No. 457. ORDER THEREON, 22nd May 1874, No. 1,366.

CIVIL WORKS, No. 49.

COMMUNICATED for information and guidance to District Engineers, in continuation of G. O., No. 120-A, dated 14th May 1873, and No. 1,014, of 20th April 1874.

(True Extract.)

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

To District Engineers.
To the Executive Engineer, Wynaad.
,, Consulting Architect.
,, Inspecting Engineer for Buildings.
,, Judicial Department.
,, Revenue do.

Exd. E. C. Shunker.
Spare Copies

Specification

Specification of works to be performed in constructing a first class Taluq Cutcherry, Subsidiary Jail and Post Office - See drawings Nº 1 + 2 Signed by Consulty. Architect dated April 1872.

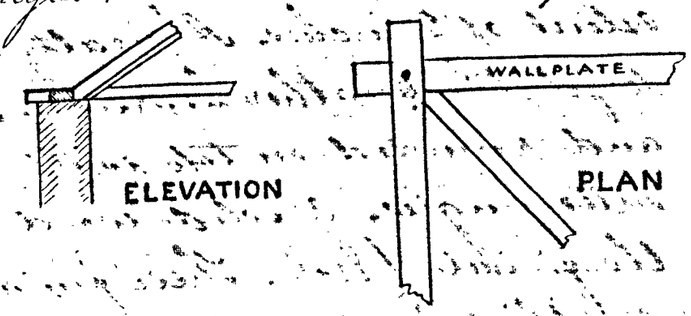
Excavation — After the centre line has been pegged out and the breadths of the foundations Lockspitted excavate the trenches to the full depths shewn on the drawing.

Depth to Concrete ... (See G. C. Nº 1264 - 3º May)

Brickwork ... (written order to lay concrete - do - do -)

After the Concrete has been properly consolidated commence brickwork and work to the true thickness and heights shewn on the drawing.

Roofing — Record room - A wall plate 5" × 4" will run all round the upper part of the wall except where the Spiral intersects the roof - This plate will be either scarfed or bolted together so as to receive in the angles the thrust of the hip rafters The angles will be halved and spiked.



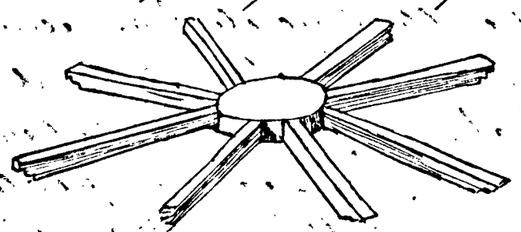
The hip rafter at the spiral angles will be bedded in the masonry of the spiral above the level of

of the wallplate so as to preserve the same angle of roofing.

Roof of Spiral. The curb of wood on which the spiral rests must be bolted down by 8 bolts as shewn on the drawing. Care must be taken to cut the underside of the curb so as to prevent the water from getting in between the wood and the masonry.

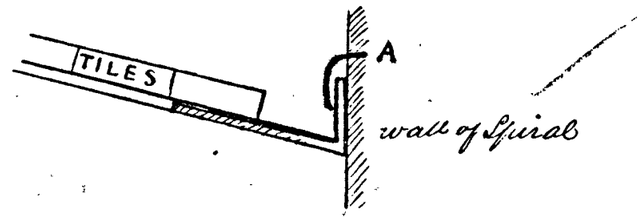


After the uprights and top pieces have been tenanoned into the curb, 8 horizontal pieces tenoned into a central boss will be spiked on the top.



From the ends of these rise the 8 angle pieces forming the spirelet. a piece 3"x4" with a rebate the lower weather board after which the boards will overlap each other to the extent of 2 inches. A neatly cut roll moulded to fit the weather boarding on the underside and rounded on top will run up the outer angles. a solid wood cap will carry the finial. (Note. These finials can be supplied by Consulting Architect on Indent.)

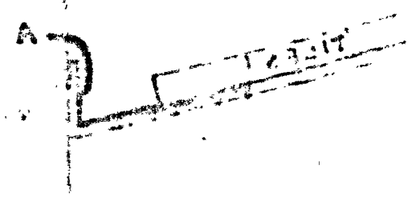
Flashing at Spiral. Where the roof butts the Spiral great care must be taken to make it watertight. Under the tiles must be placed a metal gutter 9 inches broad and 6 inches high securely fastened to $\frac{3}{4}$ inch boarding.



About 1 inch above the gutter, metal flashing must be placed in a chiselled groove in the masonry and turned down into the gutter.

For all the particulars regarding materials, Trusses, and carpentry see Specification circulated with G. O. No. 2906 dated 16th November 1871.

W. Chisholm.
Consulting Architect to Govt.



Estimate for constructing a Taluq Cutcherry Subsidiary Jail and Post office with out houses.

Detailed quantities

Description of work		No	Lengths	Breadths	Depths	Contents	Total
Excavation for foundations							
Court house & Post office.	outer walls	1	156-0	5-0	4-0	3120	
	partitions	2	14-6	5-0	4-0	580	
	"	1	6-6	3-10	4-0	100	
	Verandah	1	35-10	3-10	4-0	549	
	Steps	1	21-0	3-0	1-0	63	
Clerks rooms.	front wall	1	29-0	5-0	4-0	580	
	rear wall	1	38-0	5-0	4-0	760	
	partition	1	14-6	5-0	4-0	290	
	"	1	13-3	5-0	4-0	265	
Turret		1	12-0	12-0	6-0	864	
Sheristadar & Cashier.	front wall	1	24-9	5-3	4-0	520	
	rear wall	1	27-9	5-3	4-0	583	
	partition	1	14-0	4-9	4-0	266	
	"	1	26-6	5-0	4-0	530	
Public hall.	front ends	1	38-6	5-0	4-0	770	
	Steps	1	18-0	3-0	1-0	54	
Back Verandah		1	32-13	10	4-0	492	
Inspector Police.	front rear ends.	1	51-0	5-0	4-0	1020	
	partition	1	14-6	4-9	4-0	276	
Covered way		2	26-6	3-10	4-0	813	
Jail.	outer walls	1	139-6	5-0	4-0	2790	
	partitions	3	11-6	4-9	4-0	656	
						Cubic feet	15941
						Cubic Yards	590.

Concrete 12" thick

Excavations ÷ 4 = ——— Cubic Yards 147½

Brickwork in foundations footings

Court house & Post office	outer walls	1	156-0	2-10	1-6	663
	partitions	2	16-8	2-10	1-6	142
	"	1	8-8	1-10	1-6	24
	Verandah	1	38-0	1-10	1-6	105
Clerks rooms	front wall	1	31-2	2-10	1-6	132
	rear wall	1	38-0	2-10	1-6	162
	partition	1	16-8	2-10	1-6	71
	"	1	15-8	2-10	1-6	67
Turret		1	9-10	9-10	1-6	145
Sheristadar & Cashiers	front wall	1	26-8	3-1	1-6	123
	rear wall	1	29-11	3-1	1-6	138
	partition	1	16-2	2-7	1-6	63
	"	1	24-4	2-10	1-6	103
Public hall	front ends	1	40-8	2-10	1-6	173
Back Verandah		1	34-3	1-10	1-6	94
Inspector & Police	front rear end	1	54-2	2-10	1-6	230
	partition	1	16-8	2-7	1-6	65
Covered way		2	28-8	1-10	1-6	158
Jail outer walls		1	136-6	2-16	1-6	593
	partitions	3	13-8	2-7	1-6	159

above footings

Court house & Post office	outer walls	1	156-0	1-6	1-6	351
	partitions	2	18-0	1-6	1-6	81
	"	1	10-0	0-10	1-6	13
	Verandah	1	39-4	0-10	1-6	49
	Steps	1	21-0	3-0	0-9	47
Clerks rooms	front wall	1	32-6	1-6	1-6	73
	rear wall	1	38-0	1-6	1-6	86
	partition	1	18-0	1-6	1-6	41
	"	1	17-0	1-6	1-6	38
Turret		1	8-6	8-6	3-0	217
Sheristadar & Cashier	front wall	1	29-6	1-9	1-6	77
	rear wall	1	31-3	1-9	1-6	82
	partition	1	17-6	1-3	1-6	33
	"	1	21-3	1-6	1-6	48

Carried over Cub ft 1646

Brought forward Cub feet 4646

Back Verandah		1	33-7	0-10	1-6	44
Public front ends		1	42-0	1-6	1-6	95
Steps		1	18-0	3-0	0-9	41
Inspector & Police front rear end		1	54-6	1-6	1-6	123
partition		1	18-0	1-3	1-6	34
Covered way		2	30-0	0-10	1-6	75
Jail outer walls		1	139-6	1-6	1-6	314
partition		3	15-0	1-3	1-6	84
Plinth all round		1	409-0	0-4	1-6	205

Cub feet 5601

Cubic Yards 210

Brickwork above ground to floor level

Court house & Post office	outer walls	1	156-0	1-6	2-0	468
	Partitions	2	18-0	1-6	2-0	108
	"	1	10-0	0-10	2-0	17
	Verandah	1	39-4	0-10	2-0	66
Clerks	front wall	1	32-6	1-6	2-0	98
	rear wall	1	38-0	1-6	2-0	114
	partition	1	18-0	1-6	2-0	54
	"	1	17-0	1-6	2-0	51
Turret		1	23-6	1-6	2-0	71
Sheristadars & Cashiers	front wall	1	29-6	1-9	2-0	103
	rear wall	1	31-3	1-9	2-0	109
	partition	1	17-6	1-3	2-0	44
	"	1	21-3	1-6	2-0	64
Back Verandah		1	35-7	0-10	2-0	59
Public front ends		1	42-0	1-6	2-0	126
Steps		1	16-0	2-0	1-6	48
Inspectors & Police front rear end		1	54-6	1-6	2-0	164
partition		1	18-0	1-3	2-0	45
Covered way		2	30-0	0-10	2-0	100
Jail outer walls		1	139-6	1-6	2-0	419
Partitions		3	15-0	1-3	2-0	113
Plinth all round		1	423-0	0-4	2-0	282

2723

Deduct stone courses in basement

Court house Verandah		1	39-4	0-10	0-6	16
Back Verandah		1	35-7	0-10	0-6	15
Covered way		2	30-0	0-10	0-6	25

56

Cubic feet 2667

Cubic Yards 99

Brickwork above floor level.

Court house & Post office	outer walls	1	156.0	1-6	11-6	2691	
	partitions	2	18.0	1-6	11-6	621	
	"	1	10.0	0-10	11-6	96	
	gables	2	18.0	1-6	3-6	189	
Clerks	front wall	1	32.6	1-6	11-6	561	
	rear wall	1	38.6	1-6	11-6	664	
	partitions	1	18.0	1-6	11-6	311	
	gables	2	18.0	1-6	3-6	189	
Turret		1	23.0	1-3	26.0	748	
Sheristadar & Cashier	front walls	1	29.6	1-9	12-0	620	
	rear walls	1	31.3	1-9	12-0	656	
	partitions	1	16.0	1-6	12-0	288	
	"	1	19.0	1-6	12-0	342	
	"	1	17.6	1-3	12-0	263	
	upper storey walls	1	104.6	1-6	11-6	1803	
Public	front ends	1	42.0	1-6	12-0	756	
	gable	1	18.0	1-6	3.0	81	
Inspector & Police	front rear ends	1	36.6	1-6	11-6	975	
	partitions	1	18.0	1-3	11-6	259	
	gable	1	18.0	1-6	3-6	95	
	"	1	18.0	1-3	3-6	79	
Jail	outer walls	1	139.6	1-6	11-6	2406	
	partitions	3	15.0	1-3	11-6	647	
	gables	3	18.0	1-3	3-6	236	15576

Deduct

Doors	4	4.0	1-9	4.0	112	
"	25	4.0	1-6	4.0	600	
"	1	4.0	1-3	4.0	20	
Large Archway	1	12.0	1-6	4-6	81	
Sub ala "	6	5.0	1-6	5.0	225	
" "	3	4.0	1-6	4.0	72	
" "	1	4.0	1-3	4.0	20	
Spiral Stairs	2	3.0	1-3	3.0	23	
Record room windows	12	3.0	1-6	2.6	59	
Jail Ventilators	6	1.9	1-6	1.0	16	

Carried over Cub: feet 1228 15576

Brought forward Cub: feet 1228 15576

Honey comb work	2	5.6	1-6	4-0	66	
Stone under trusses	14	1-6	1-6	0-6	16	1310

Cubic feet 14266

Cubic Yards 528½

N. B. Half the quantity of void only is deducted, the other half covering the cost of Centering & Brickwork.

Cut Stone. (if procurable at reasonable rates)

On basement Court house verandahs	1	39.4	0-10	0-6	16	
" back verandahs	1	35.7	0-10	0-6	15	
" covered way	2	30.0	0-10	0-6	25	
Court house steps	1	64.6	1-3	0-6	40	
Public steps	1	54.0	1-3	0-6	34	
Under trusses	14	1-6	1-6	0-6	16	

Cubic feet 146

Filling in basement

Court house &c	1	63.2	18-0	1-9	1990
Clerks, Inspectors & Police	1	30.6	18-0	1-9	1591
Sheristadar & Cashier	1	30-0	17.6	1-9	919
Verandahs	1	29.7	4.8	1-9	244
Public & Jail	1	60-0	15-0	1-9	15.75
Covered way	1	30-0	14-0	1-9	735

Cub: feet 7054

Cubic Yards 261

Teakwood.

Court house & Post office						
Trusses 18ft Span	tie beams	2	20-0	0.11	0.8	9
	principal Rafters	4	11-3	0.4	0.5	6
	Struts	4	5.6	0.3	0.4	2

Carried over Cubic feet 17

		Brought forward Cub ft				17
purlins	2	69	0-7	0-8		34
"	2	60	0-4	0-4		13
"	1	21	0-4	0-4		2
ridge pole	1	49	0-2	0-9		6
Common rafters	61	16-9	0-3	0-3½		75
"	13	13	0-3	0-3½		12
Hip rafters	6	22	0-4	0-6		22
Verandah Posts	6	0-5	0-5	13-6		14
" Breastummers	1	43	0-5	0-6		9
" "	1	41	0-3	0-4		3
" Struts	13	3-0	0-2	0-2		9
Uprights. ambls	22	6	0-3	0-14-2		20
Purlin supports	13	1-0	1-0	0-6		7
Clerks.						
Truss 15ft span: tie beam	1	21	0-4	0-8		5
principal rafters	2	11-3	0-4	0-5		3
Struts	2	5-6	0-3	0-4		1
purlins	2	43	0-7	0-8		33
" on wall	2	38-6	0-4	0-4		9
ridge pole	1	48	0-2	0-9		6
Common rafters	48	16-9	0-3	0-3½		59
Struts	4	6	3-0	0-2	0-2	4
uprights. ambls	9	2	0-3	0-14-2		8
Purlin supports	6	1-0	1-0	0-6		3
Sheriff's Cashier						
beam	1	33-3	0-9	1-0		25
Joist	22	19	0-2½	0-4		29
Record room						
Wall plate	1	100	0-5	0-4		14
Truss 18ft Span: tie beam	2	21	0-4	0-8		9
principal rafters	4	11-3	0-4	0-5		6
Struts	4	5-6	0-3	0-4		2
purlins	2	23	0-7	0-8		10
"	2	10	0-7	0-8		8
" on wall	2	33	0-4	0-4		7
"	2	20	0-4	0-4		4
		Carried over Cub ft				516

		Brought forward Cub ft				516
ridge pole	1	13-0	0-2	0-9		2
hip rafters	4	18-0	0-4	0-6		12
Common rafters	44	13-0	0-3	0-3½		42
Purlin supports	8	1-0	1-0	0-6		4
Back Verandah						
Posts	4	0-5	0-5	11-0		8
breastummers	1	32	0-0	5-0	0-6	7
rafters	22	7-6	0-2	0-4		9
Public						
purlins	2	17-6	0-6	0-5		7
" wall	2	17-6	0-4	0-4		4
rafters	22	12-0	0-2	0-3		11
ridge pole	1	17-6	0-2	0-9		2
barge board	2	12-0	0-1½	1-0		3
finials	1	16-0	0-3	0-3		1
Inspectors & Police						
purlins	2	18-0	0-7	0-8		14
" wall	2	18-0	0-4	0-4		4
ridge	1	18-0	0-2	0-9		2
rafters	26	16-9	0-3	0-3½		32
struts	26	3-3	0-2	0-2		2
Uprights ambls	52	4-2	0-3	0-1		5
Covered way						
Truses 15ft Span: tie beam	2	18-0	0-4	0-6		6
principal rafters	8	15-0	0-1½	0-3		4
Struts	4	4-9	0-3	0-3		1
purlins	6	31-6	0-5	0-6		39
ridge pole	1	31-6	0-2	0-9		4
Common rafters	42	15-0	0-2	0-3		26
Struts	4	3-0	0-3	0-4		1
posts	4	13-6	0-5	0-5		9
" Side pieces	8	0-5	0-4	2-3		3
Gaol						
Truss 15ft span: tie beam	2	18	0-4	0-6		6
principal rafters	4	9-6	0-4	0-4		4
Struts	4	4-9	0-3	0-3		1
purlins	2	52-9	0-6	0-5		22
" wall	2	33-0	0-4	0-4		12
ridge pole	1	37-0	0-2	0-9		5
		Carried over Cub ft				836

B

Brought forward Cub feet 836

common rafters	74	15-0	0-2	0-3		46
hip rafters	6	20-0	0-4	0-5		17
struts	86	3-3	0-2	0-2		8
Uprights Double	172	4-2	0-3	0-1		15

Turret

wall plates	8	2-6	0-6	0-5		4
Uprights	8	1-0	0-6	6-0		24
breast summers	8	2-6	0-6	0-6		5
angle pieces	16	0-7	0-7	0-6		3
Venetians	108	1-6	1-9	0-1		11
Joists	8	8-0	0-4½	0-6		11
above "	8	3-0	0-3	0-4		2
rafters	8	0-6	0-2	11-3		5
planks	22/8	1-6	0-3/4	0-9		12
finial	1	1-3	1-3	2-9		4
Eaves board throughout	1	506.0	0-1½	0-9		47
				Cubic feet		1044

Wrought Iron in Trusses &c.

					lbs	lbs
1" King rods for 18 ft trusses	5	8-0	= 40	× 2·62	= 104·80	
5/8 " " " " 15 ft "	4	7-0	= 28	× 1·02	= 28·56	
1½ × ½" flat iron straps for 18 ft truss	10	3-0	= 30	× 2·50	= 75·00	
1½ × 3/8 " " " " 15 ft "	8	2-3	= 18	× 1·87	= 33·66	
1¾ × ½" plates for 18 ft trusses	10	0-6	= 5	× 2·92	= 14·60	
1¾ × 3/8 " " " 15 ft "	8	0-6	= 4	× 2·19	= 8·76	
1" Hex nut & bolt head for 18 ft trusses	5			× 1·10	= 5·50	
5/8 " " " 15 ft "	1			× 0·26	= 1·04	
1" bolt for holding down turret wallplate	8	5-0	= 40	× 2·62	= 104·80	
1" Hex nuts for "	8			× 1·10	= 8·80	
½" bolts for securing Eaves weathers	8	1-6	12	× 0·65	= 7·80	
¼ " " " " rafters	12	0-8	= 8	× 0·16	= 1·28	
¼ " for securing uprights & rafters	542	0-6	= 271	× 0·16	= 43·36	
				lbs	437·96	
				say	lbs 438	

Doors.

Venetian & panel	24	4-0	8-0	768	Sup. ft

Iron doors for Sail with wooden shutters 6 4-0 — 8-0 192 Sup. ft.

Windows with Iron bars.

for record room	7	2-3	—	4-6	71
circular portions	8½	4-0	area		34
					105 Sup. ft.

Sail Ventilators with iron bars 6 4-0 — 2-6 60 Sup. feet

Painting with oak colour.

Venetian & panel doors	3/24	4-0	—	8-0	2304
Sail Doors	4/6	4-0	—	8-0	768
" Ventilators	2/6	4-0	—	2-6	120
Record room windows	3/7	2-3	—	4-6	213
" circ portions	3/8½	area	4-0		102
Public - barge board	2	12-0	—	1-0	24
" finial	1	16-0	—	1-0	16
Woodwork in turret	3	22-0	—	6-6	429
"	8	8-0	—	1-8	107
"	2	12-0	—	12-0	288
				Sup. ft	4371.
				Squares	44

Painting exterior

Court house, Clerks & Inspectors Office & Jail	1	411-6		13-6	5555
	2	21-0		4-0	168
gables	1	17-0		4-0	68
"	1	14-6		28-0	406
Turret	1	29-6		25-0	738
Sheriffs & Public front	1	32-6		25-0	813
" " rear	2	20-0		8-0	320
" " sides	2	13-6		14-0	378
Public sides					
				Sup. feet	8446
				Squares	84½

N. B. No deduction made for voids and no allowance for jambs & reveals -

Plastering interior.

Post Office	1	231.4	11-6	2695
" gables	5	18-0	3.6	315
Clerks	1	142.0	11-6	1633
" gables	4	18.0	3.6	252
Turret	1	19.0	26.0	494
Sheristadars Cashiers	1	129.0	12-0	1548
Record room	1	98.6	11-6	1133
Public	1	54.0	12.0	648
" gables	2	15-0	3-0	90
Inspectors Police	1	103.0	11-6	1185
" gables	4	18-0	3-6	252
Jail	1	216.0	11-6	2484
" gables	6	15-0	3.6	315
			Sup.ft	13044
			Squares	130½

Terracing

Sheristadars Cashiers	1	32-0	18-0	576
			Squares	5 3/4

Tiling with flat tiles underneath including reapers & nails.

Court house &c.	1	73-0	33.6	2446
Clerks rooms	1	33-6	33.6	1122
Record room	1	37-0	29.0	1073
Back Verandah	1	32-0	7.3	232
Public	1	16.6	24.0	396
Police Inspectors & covered way	1	45-3	32.0	1448
Jail	1	62-3	30.0	1868
			Sup.ft	8585
			Squares	86

Flooring with Lg. Chevaucent Tiles.

Court house Post Office	1	64-0	18.0	1152
Clerks rooms	1	35.0	18-0	630
Sheristadars Cashiers	1	30.0	7.6	525
Back Verandah	1	31-3	5.6	172
			Carried over.	2479

Brought forward			Sup.ft.	2479
Inspector & Police	1	15.6	18-0	279
Covered way	1	30.0	16.6	495
Public	1	12-0	15-0	180
Doorways	23	4-0	1-0	92
Archways	11	4-0	1-6	66
			Sup.ft	3591
			Squares	36

Flooring with Asphatte.

Jail wards	1	48-0	15-0	720
Doorways.	6	4-0	0.6	12
			Sup.ft.	732
			Squares	7 1/3

Cornice

Record room exterior & interior	1	209.0	209
Court house interior	2	54-0	108
Inspectors & Police	2	15.6	31
Clerks rooms	2	35-0	70
Public	2	12-0	24
Turret exteriors	1	28-0	28
		Lineal ft.	470

Fixing zinc sheets to the valleys.

Over court house	2	22-0	44
" Jail	2	20-0	40
		Lineal ft.	84

Wrought Iron finial for Turret 1 in No. _____

Spiral Stairs _____ 1 in No. _____

Abstract.

Quantity	Item	Rate Per	Amount	Total.
590 C.Yds	Excavation for foundations			
147½ "	Concrete			
210 "	Brickwork in foundations			
99 "	Brickwork in basement			
528½ "	Brickwork in superstructure			
146 Cft	Cut Stone			
261 C.Yds	Filling in basement			
1030 Cft	Teakwood			
438 lbs	Wrought Ironwork in			
	Fanoxes &c.			
768 S.ft	Venetian & panel doors			
192 "	Iron doors with wooden			
	shutters for Jail			
105 "	Windows thro Iron bars			
	for Record room			
60 "	Ventilators with Iron			
	bars for Jail			
644 Sqrs	Painting. oak colour			
84½ .	Pointing exterior walls.			
130½ .	Plastering interior walls.			

Carried over Rs.

Brought forward Rs

5¾ Sqrs Terracing _____

36 " " Tiling with flat tiles underneath including reapers, nails &c. _____

36 " " Flooring with Lg: pavement tiles.

7⅓ " " Flooring Jail with Asphalte

470 Lft. Cornice _____

84 " " Zinc sheets to the valleys.

1 in No. Wrought Iron finial for Turret _____

1 in No. Spiral stairs _____

Ryots Shed

8⅓ Cyd Excavation for foundations

33 " " Concrete _____

145 Ft Teakwood _____

11 Sqrs Tiling with flat tiles underneath including reapers, nails &c. _____

8 " " Flooring with Square pavement tiles _____

1¼ " " Plastering _____

Hospital Shed

56 Cyds. Excavations for foundations

18½ " " Concrete _____

16 " Brickwork in foundations

47½ " Brickwork in superstructure

Carried over Rs

P. W. D.

Standard Design.

Taluq Cutcherries.

Estimate.

P. W. 5742/73

P.G. D/22nd May 1874

Do. 1871. 456

H. Chisholm.

Sc. Do: 1366. 22-5-74.

No. 587.

Consulting Architect's Office

Madras 21st October 1873.

From

R. F. Chisholm Esqre. F. R. I. B. A.

Consulting Architect to Govt.

To.

Colonel G. B. Walker. R. E

Secretary to Government

Public Works Depart.

Sir,

I have the honor to forward your detailed quantities and Specification for the Revised Design for the First class Standard Taluq Cutcherries dated April 1872.

It will save much repetition of labor if these quantities are printed and Circulated to local officers, they will be found more accurate than those prepared by most professional Estimators.

I have the honor to be.

Sir.

Your most obedient Servt.

H. Chisholm.

Consulting Architect to Govt.

Estimate for Quarters for Saltig Lutcherrie.

Ryots Mess
Sealdah quarantine

Mr Louis Pasana Office Contract Works

Description of work	No	Length	Breadth	Depth	Cubic Feet	Cubic Yards	8/3
Excavation	12	2-6	2-6	3-0	225		
					Cubic Yards	8 1/3	
Concrete	12	2-6	2-6	3-0	225		
Piles	1	40-0	20-0	0-10	667		
Concrete floor					Cubic feet	892	
					Cubic Yards	33	

Quarters

Piles	12	0-6	0-6	12-0	36	
Floor Concrete	2	37-0	0-6	0-6	19	
Floor Masonry	2	17-0	0-6	0-6	9	
Partitions	36	13-0	0-2	0-4	40	
Rafters	4	19-0	0-3	0-6	10	
Purlins & Struts	14	17-0	0-2	0-4	13	
Collars	14	10-0	0-2	0-3	6	
Boarding	1	128-0	0-1½	0-9	12	
Carried forward					Cubic feet	1445	

Tiling roof

	1	42-0	26-0	1092		
					Squares	11

Flooring over Square of Concrete

	1	40-0	20-0	800		
					Squares	8

Plastering

	1	120-0	1-0	120		
					Squares	1¼

Lumsum

O. W. 1873 Department
Principal Overseer
From Lt. 5742.
The Consulting Architect
to Government

To.
The Secy to Govt
Public Works Dept.

Dated 21st
Received 23rd } Oct 1873
No 587.
Enclosure.

Forwards detailed quantities for first Class Design for Saltig Lutcherries.

No. W. 1366. 22-5-74.

No 456

Sent to Govt 29-4-74
Received Oct 23.10.73

Hospital Shed

Detailed quantities.

Description of work	No.	Length	Breadth	Depth	Contents	Total
Excavation for foundations.						
Outer walls	1	111-0	4-0	3-0	1,332	
partition	1	9-3	4-0	3-0	111	
Step	1	41-6	1-0	1-6	62	
Cub: feet					1505	
Cubic Yards.						56
Concrete. 12" thick.						
Excavations ÷ 3 = Cubic Yards						18½
Brickwork in foundations						
outer walls footings	1	111-0	2-0	1-0	222	
partitions "	1	11-3	1-9	1-0	20	
Outer walls above	1	111-0	1-3	1-0	139	
partition	1	12-0	1-0	1-0	12	
Step	1	41-6	1-0	1-0	42	
Cub. feet					435	
Cubic Yards.						16
Brickwork superstructure						
outer walls	1	111-0	1-3	9-0	1249	
partition	1	12-0	1-0	9-0	108	
gables	2	14-6	1-3	2-6	91	
"	1	14-6	1-0	2-6	36	
Step	1	41-6	1-0	0-6	21	
					1505	
Deduct.						
Openings	5	4-0	1-3	9-0	225	
Cub feet					1280	
Cubic Yards.						47½

Yeatwood

Yeatwood.

Wall plates	2	46-6	0-3	0-3	6
rafters	62	11-0	0-2	0-3	28
collars	31	14-6	0-2	0-3	19
"	31	9-0	0-2	0-2	8
eaves board	1	137-0	0-1½	0-9	13
Cubic feet.					74

Tiling roof

	1	46-6	22-0	1023
Squares.				10¼

Flooring with Square pavement tiles

	1	40-0	12-0	480
	5	4-0	1-3	25
Sup: feet				505
Squares				5

Filling basement

	1	40-0	12-0	0-9 360
Cubic Yards.				13⅓

Plastering. interior walls

	1	72-0	9-0	648
"	1	56-0	9-0	504
" gables	4	12-0	2-6	120
Sup: feet				1272
Squares.				12¾

Pointing exterior walls

	1	116-0	9-0	1044
	2	14-6	2-6	73
Sup: feet				1117
Squar.				11¼

Cook room.

Detailed quantities.

Description of work	No.	Length	Breadth	Depth	Contents	Total
Excavation for foundations						
walls	1	16-0	4-0	3-0	732	
Step	1	16-6	1-0	1-6	25	
				Cubfeet	757	
				Cubic Yard.		28
Concrete 12" thick						
Excavation ÷ 3				Cubic Yards.		9
Brickwork in foundations						
walls footings	1	16-0	2-0	1-0	122	
" above "	1	16-0	1-3	1-0	76	
Step	1	16-6	1-0	1-0	17	
				Cub. feet	215	
				Cubic Yard		8
Brickwork superstructure						
walls	1	61-0	1-3	9-0	686	
gables	2	14-6	1-3	2-6	91	
Step	1	16-6	1-0	0-6	8	
					785	
Deduct						
Openings	2	4-0	1-3	9-0	90	
				Cubfeet	695	
				Cubic Yards.		26
Yakwood						
wallplates	2	21-6	0-3	0-3	3	
Rafters	30	11-0	0-2	0-3	14	
Collars	15	14-6	0-2	0-3	9	
"	15	9-0	0-2	0-2	4	
Eaves board	1	87-0	0-6½	0-9	8	
				Cubic feet.		38
Tiling roof						
	1	21-6	22-0		473	
				Squares.		4¾

Filling in basement	1	16-0	12-0	0-9	144	
				Cubic yards.		5⅓
Flooring with Square pavement tiles.						
	1	16-0	12-0		192	
	2	4-0	1-3		10	
				Sup. feet	202	
				Squares.		2
Plastering interin						
walls	1	56-0	9-0		504	
gables	2	12-0	2-6		60	
				Sup. feet	564	
				Squares.		5¾
Pointing exterior						
walls	1	66-0	9-0		594	
gables	2	14-6	2-6		73	
				Sup. feet	667	
				Squares.		6¾

Isolation Latrine

Detailed quantities

Excavation for foundations.						
Outer walls	1	70-0	4-0	3-0	840	
partitions	1	7-6	4-0	3-0	90	
Seats	1	15-0	3-0	1-6	68	
Cistern	1	4-0	3-0	3-0	36	
				Cubfeet	1034	
				Cubic Yards.		39
Concrete 12" thick						
Excavation ÷ 3 =						13

Brickwork in foundation

Brickwork in foundations
outer walls. footings } 1 70.0 2.3 1.0 158
partition — " — 1 9.3 1.9 1.0 16
outer walls above footings 1 70.0 1.6 1.0 105
partition — " — 1 10.0 1.0 1.0 10
seats — 1 15.0 3.0 1.0 45
Cistern — 1 8.6 0.9 2.6 16
— " — 1 2.3 2.6 0.6 3
Cub: feet 353
Cubic Yards. 13

Brickwork superstructure.
basement — 1 70.0 1.6 0.6 53
pillars — 9 1.6 1.6 9.0 182
partition — 1 10.0 1.0 9.0 90
gables — 1 13.0 1.0 2.0 26
seat partitions — 1 15.0 0.6 5.0 38
— " — 6 2.0 0.6 5.0 30
seats — 6 2.0 2.0 0.6 12
Cub. feet 431
Cubic Yards. 16

Honeycomb work with tiles.
1 50.6 — 9.0 455
Sup. feet. 455

Seakwood.
breastsummers — 2 28.0 0.5 0.6 12
rafters — 40 10.6 0.2 0.3 18
collars — 20 11.6 0.2 0.3 10
— " — 20 7.0 0.2 0.2 4
eaves board — 1 98.0 0.1½ 0.9 9
Cubic feet 53

Tiling roof
1 28.0 — 21.0 588
Squares. 6

Flooring with Asphalte.
1 22.6 — 11.6 259
Squares. 2½

Plastering
Pillars — 1 40.0 — 9.0 360
partition — 2 10.0 — 9.0 180
gable — 2 10.0 — 2.0 40
basement — 1 76.0 — 0.6 38
inside cistern — 1 2.3 — 2.6 6
— " — 1 9.8 — 2.6 24
seat partitions 1 15.0 — 10.0 150
— " — 6 2.0 — 10.0 120
Sup: feet 918
Squares. 9¼

Trap door over Cistern — 1 in No.

Buckets — 2 in No.

Public Latrine

Detailed quantities

Excavation for foundations
outer walls — 1 102.0 4.0 3.0 1224
Seats — 2 13.0 3.0 1.6 117
Cisterns — 2 4.0 3.0 3.0 72
Earth stone wall 1 10.6 1.0 1.6 16
Cubft. 1429
Cubic Yards 53

Concrete 12" thick
Excavation ÷ 3 = — Cubic Yards 17½

Brickwork in foundations

Brickwork in foundations.

Outer walls - footings	1	102.0	2-3½	2-3.0	230
" above "	1	102.0	1-6	1-0	153
Seats	2	13-0	3-0	1-0	78
Cisterns	2	8-6	0-9	2-0	26
"	2	2-3	2-6	0-6	6
Earth stone walls	1	12-6	1-0	1-0	13

Cub. feet 506

Cubic Yards 19

Brickwork - Superstructure

Basement	1	102.0	1-6	0-6	77
pillars	12	1-6	1-6	9-0	243
Seat partitions	2	13-0	0-6	5-0	65
"	12	2-0	0-6	5-0	60
Seats	10	2-0	2-0	0-6	26
Earth stone wall	1	13-0	0-6	4-0	20

Cub feet 491.

Cubic Yards 18

Honeycombwork with tiles

	1	80-0	9-0	720

Sup feet 720.

Scantling.

Breastsummers	2	44-0	0-5	0-6	18
rafters	60	10-6	0-2	0-3	26
Collars	30	11-6	0-2	0-3	14
"	30	7-0	0-2	0-2	6
Eaves board	1	130-0	0-1½	0-9	12

Cub feet 76

Siling roof 1 44-0 21-0 924

Squares 9¼

Flooring with Asphalte 1 39-6 11-6 454

Squares 4½

Plastering

pillars	1	54-6		9-0	491

Carried over Sup feet 491

Brought forward Sup feet 491

basement	1	102.0	—	0-6	51
Seat. partitions	2	13-0.		10-0	260
"	12	2-0		10-0	240
inside cistern	2	9-8		2-6	48
"	2	2-3		2-6	11
Earth stone walls	1	13-0		8-0	104

Sup feet 1205

Squares 12

Trap doors over cistern 2 in No.

Buckets 4 in No.

Gate

Detailed quantities

Excavation for foundations

posts	2	3-6	3-6	3-0	74

Cub feet 74

Cubic Yards 3

Concrete 12" thick

Excavation ÷ 3 = Cubic Yards 1

Brickwork in foundations

footings	2	3-3	3-3	1-0	21
above "	2	2-6	2-6	1-0	13

Cub feet 34

Cubic Yards 1⅓

Brickwork superstructure

	2	2-6	2-6	1-0	13
	2	2-0	2-0	5-0	40

Cub feet 53

Cubic Yards 2

Plastering ——— 2 8-9 —— 1-0 18
2 7-0 —— 5-6 77
Supl feet 95
Squares 1

Teakwood in gate.

Posts ——— 2 0-4 0-4 5-0 1
— " ——— 2 0-4 0-4 4-6 1
Styles ——— 2 14-0 0-4 0-4 3
— " ——— 2 14-00-3 0-4 2
Diagonal pieces — 2 15-6 0-3 0-3 2

Cub feet. 9

Compound wall for a length of 10 feet.

Excavation for foundations.

1 10-0 4-0 3-0 120
Cft. 120

Concrete 12" thick.

Excavation ÷ 3 = ——— C.ft. 40

Brickwork in foundations-footings 1 10-0 2-0 1-0 20
——— above —— " —— 1 10-0 1-3 1-0 12½
Cubfeet. 32½

Brickwork superstructure.

1 10-0 1-3 1-0 12-6
1 10-0 1-0 2-0 20-0
1 10-0 0-9 1-3 9-4½
1 10-0 1-3 0-9 9-4½
Cubfeet. 51.3

Plastering ——— 1 10-0 —— 11-0 110
Supl feet 110

Brought forward Rs.

74 Cft. Teakwood ———
10¼ Sqrs Tiling with flat tiles ——
underneath including
rafters, nails &c ——
5 — " Flooring with Square
pavement tiles ———
13⅓ Cyds Filling in basement ——
12¾ Sqrs Plastering interior ——
11¼ — Painting exterior ——

Cook room

28 Cyds Excavation for foundations
9 — — Concrete ———
8 — — Brickwork in foundations
26 — " Brickwork in superstructure
38 Cft Teakwood ———
4¾ Sqrs Tiling with flat tiles under-
neath including rafters,
nails &c ———
5⅓ Cyds Filling in basement ——
2 Sqrs Flooring with pavement tiles —
5¾ " Plastering interior ——
6¾ " Painting exterior ——

Jail Latrine

39 Cyds. Excavation for foundations
13 — " — Concrete ———
13 — " — Brickwork in foundations
16 — " — Brickwork in superstructure
455 Sft Honeycomb work with tiles —
53 Cft Teakwood ———

Carried over Rs.

Brought forward Rs.

6 Sqrs. Tiling with flat tiles underneath including reapers, nails &c.
2½ " — Flooring with Asphalte
9¼ " — Plastering
1 in No. Trap door over cistern
2 " — Zinc buckets

Public Latrine

53 C yds Excavation for foundations
17½ " — Concrete
19 " — Brickwork in foundations
18 " — Brickwork in superstructure
720 Sup ft Honeycombwork with tiles
76 C ft Teakwood
9¼ Sqrs Tiling roof including reapers nails &c
4½ Sqrs. Flooring with Asphalte
12 " — Plastering
2 in No. Trap doors over cistern
4 " — Zinc buckets

Gate.

3 C yds Excavation for foundations
1 " — Concrete
1⅓ " — Brickwork in foundations
2 " — Brickwork in superstructure
1 Square Plastering
9 C. ft Teakwood in gates including Ironwork

Carried over Rs.

Rs.

Brought forward

Compound wall for a length of 10 ft.

120 C ft Excavation for foundations
40 " — Concrete
32½ " — Brickwork in foundations
51¼ " — Brickwork in superstructure
110 Sup ft Plastering

For a length of 10 ft Rs.
For a length of ft " — Rs.

Contingencies at 5 per cent "

Total Rupees.

R. Chisholm.
Consulting Architect to Govt.

Consulting Architects Office
21st October 1873

Standard Designs.

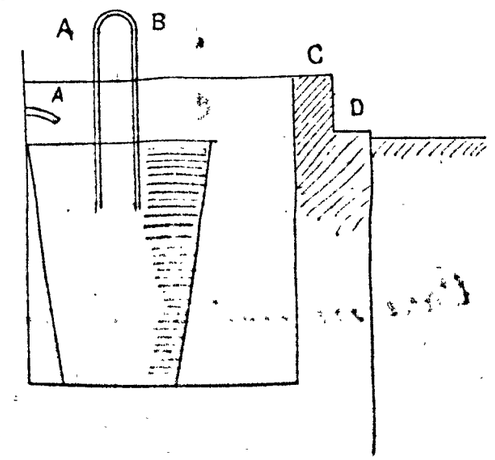
Taluq Cutcherry. Out buildings.

Specification

The out buildings shown on drawing No. 20 dated the 21st October 1873 are as follows.

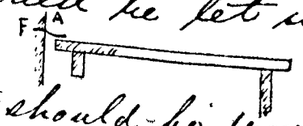
1. Ryots Shed.
2. Hospital Shed.
3. Jail Latrine.
4. Public Latrine.
5. Jail Cook room.
6. Gate and Boundary wall (if necessary)

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 Asphalte The drains will be led into receivers (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



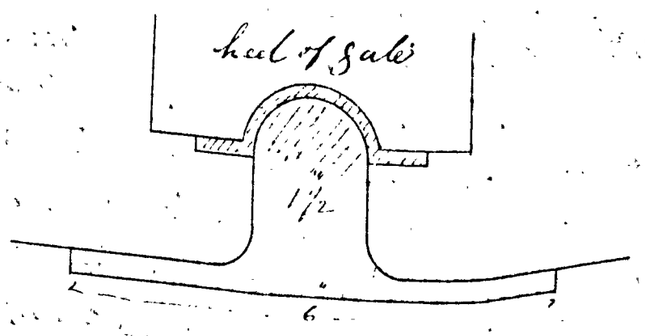
The handles B should project sufficiently above the wall C to enable a bamboo to be slipped through them.

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" E.

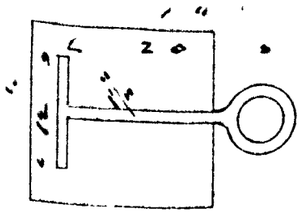


Mats should be provided as doors for the Cookroom and Hospital shed when these Structures are in use where as Compound wall and gate are found necessary they may be Constructed in accordance with the plan.

The heel of the Gate will have a brass Cup working on a pivot let into a 12" x 12" x 6" Stone.



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



Care must be taken to make the top of the

the gate fit easily.

The wood should be painted 3 Coats patent Silicate oak Color paint. The Railing and other ironwork dark Green.

B. Christopher

Consulting Architect to Govt.

Con Prod

P.W. Dept

Proceedings of the Madras Government

Under date the October 1873.

Read the following

From the Consg Architect
to Govt

Here enter No 3870/21 Oct 73

Communicated
for information and gui-
dance to District Engineers
in continuation of G.O.
No 120 A&I 11th May 1873. &
No 1014 of 20th April 1874.
~~This observation~~
~~Read under G.O No 1343~~
~~dated 25th August 1873,~~
Judicial ~~Department~~,
~~Hospitals Sheds and~~
~~excluded~~

Mr 2010

× P.W. G.O. 2367/25 Sept 1873.

~~excluded from the list of~~
~~Cutcherry and buildings.~~
~~Deed~~

+ Issued
Print sent.
Encl
2.5.77

340
30

456-457

1 District Engineers ✓
Ex = Engr Wynaad ✓
3 " Conl Architect ✓
1 " ~~Supdg Engr & Buildings~~
1 " Judicial Deptt. ✓
1 " Revenue Deptt. ✓
5 " ✓ Copies despd to all 2/5/77

Despd 29-4-74
Despatch Early 23-10-73