(1) பக்கங்களின் எண்ணிக்கை 20

(2) புதுக்கித் திருப்பிய நாள் 3/90

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

(9)

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

துறை

அரசாணை எண். மு. கோப்புத் தாள் எண். 2863	அச்சகம் பலவகை
நாள் : 11-10-1889	19 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

10 Sheets

ஆவண. கா-1—18,006—15-6-87.

(5)

2863

31st August 1885, No. 2013 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers:—

Proceedings of the Board of Revenue, dated 30th July 1885, Mis. No. 6929.

Read—the following letter from C. S. CROLE, Esq., Collector of Madura, to the Secretary to the Board of Revenue, dated Madura, 25th July 1885, No. 437 :—

With reference to the Proceedings of the Board of Revenue, dated 10th March 1884, No. 839, communicating G.O., dated 21st February 1884, No. 483 W., Public Works Department, I have the honor to submit, for the sanction of Government, estimate, &c., for constructing a taluk cutcherry with outhouses, &c., at Tirumangalam, received from the Superintending Engineer, VI Circle, Trichinopoly.

Resolution—dated 30th July 1885, Mis. No. 6929.

Submitted for the sanction of Government.

(A true Copy and Extract.)

(Signed) E. GIBSON,
Secretary.

Mis. No. 4222, Revenue.

Approved and transferred to the Public Works Department.

(Signed) W. WILSON,
Ag. Secretary to Government.

Ootacamund,
12th August 1885.

Order—dated 31st August 1885, No. 2013 W., Public Works.

The estimate, amounting to Rs. 25,110, for constructing a tahsildar's office with outhouses at Tirumangalam, in the Madura district, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial No. 114 W. of 1885-86, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle, with five enclosures.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Revenue Department.

Exd. J. Henricus.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1885] Madras.

PUBLIC WORKS.

Dated August, 31*st*.

Read.

Encl.

G.O., 31st Aug. 1885, No. 2013 W.

AUGUST.

Tahsildar's Office at Tirumangalam, Madura District

Estimate for —, sanctioned.

2863

Annexure to G.O., No. 1495 *W., dated* 3*rd June* 1887.

ESTIMATE FORM—Detail Measurements.

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
EXCAVATION FOR FOUNDATIONS.						
Court, outer walls		92 0	4 0	4 6	1,656	
Property and private room, end walls	3	5 4½	3 7½	4 6	1,007	
Do. do. outer walls		45 7½	3 7½	4 6		
Cashier's, shiristadar's, clerk's room, longitudinal walls	2	70 0	4 0	4 6	5,076	
Do. do. partition	3	15 6	4 0	4 6		
Record room, outer walls	..	95 6	4 0	4 6		
Treasury and inspector's room, &c., outer walls ..	..	115 9	4 4½	4 6	3,268	
Do. do. inner walls	2	20 4½	4 4½	4 6		
Do. do.	1	9 6	4 4½	4 6		
Do. do.	..	173 0	4 0	4 6	3,114	
Jail wards, outer walls	4	12 6	3 7½	4 6	816	
Do. partitions	..	89 0	3 3	4 6	5,404	
Verandah and covered way walls near jail	..	130 0	3 3	4 6		
Do. in front	..	150 6	3 3	4 6		
Do. in rear and sides of record room	32	1 1½	0 4½	4 6	64	
Extra thickness at verandah posts	5	0 4½	0 4½	4 6	13	
Do. do. at corners	4	1 10½	0 4½	4 6		
Do. do.	2	12 6	3 0	1 6	214	
Steps	1	11 6	3 0	1 6		
Do.	2	5 6	3 0	1 6		
Do.						
Total, Cubic feet ..	..	..	..	..	..	20,632
CONCRETE IN FOUNDATIONS.						
Court, outer walls	..	92 0	4 0	1 6	552	
Property and private room, end walls	3	5 4½	3 7½	1 6	336	
Do. do. outer walls	..	45 7½	3 7½	1 6		
Cashier's, shiristadar's and clerk's room, longitudinal walls	2	70 0	4 0	1 6	1,692	
Do. do. partitions	3	15 6	4 0	1 6		
Record room, outer walls	..	95 6	4 0	1 6		
Treasury and inspector's room, outer walls ..	..	115 9	4 4½	1 6	1,089	
Do. do. inner walls	2	20 4½	4 4½	1 6		
Do. do.	1	9 6	4 4½	1 6		
Jail wards, outer walls	..	173 0	4 0	1 6	1,038	
Do. partitions	4	12 6	3 7½	1 6	272	
Verandah and covered way walls near jail	..	89 0	3 3	1 6	1,800	
Do. in front	..	130 0	3 3	1 6		
Do. in rear and sides of record room	..	150 6	3 2	1 6		
Extra thickness at verandah posts	32	1 1½	0 4½	1 6	26	
Do. do. at corners	5	0 4½	0 4½	1 6		
Do. do.	4	1 10½	0 4½	1 6		
Steps	2	12 6	3 0	1 6	214	
Do.	1	11 6	3 0	1 6		
Do.	2	5 6	3 0	1 6		
Total, Cubic feet ..	..	..	..	..	..	7,019
BRICKWORK IN FOUNDATIONS.						
Footings.						
Court, outer walls	..	92 0	2 3	1 0	207	
Private and property room end walls	3	7 1½	1 10½	1 0	122	
Do. do. outer walls	..	43 10½	1 10½	1 0		
Cashier's, shiristadar's and clerk's room, longitudinal walls	2	71 9	2 3	1 0	658	
Do. do. partitions	3	17 3	2 3	1 0		
Record room, outer walls	..	97 3	2 3	1 0		
Treasury and inspector's room, outer walls ..	..	115 9	2 7½	1 0	450	
Do. do. inner walls	2	22 1½	2 7½	1 0		
Do. do.	1	11 3	2 7½	1 0	389	
Jail wards, outer walls	..	173 0	2 3	1 0	107	
Do. partitions	4	14 3	1 10½	1 0		
Verandah and covered way near jail	..	92 6	1 6	1 0	565	
Do. in front	..	131 9	1 6	1 0		
Do. in rear and sides of record room	..	152 3	1 6	1 0		
Extra thickness at verandah posts	32	1 1½	0 4½	1 0	17	
Do. do. at corners	5	0 4½	0 4½	1 0		
Do. do.	4	1 10½	0 4½	1 0		
Above footings to ground level, court, outer walls.	..	92 0	1 6	2 0	276	
Do. do.	3	7 10½	1 1½	2 0	150	
Private and property room, end walls	..	43 1½	1 1½	2 0		
Do. do. outer walls						

2

Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
BRICKWORK IN FOUNDATIONS—*cont.*						
Footings—cont.						
Cashier's, sheristadar's and clerk's rooms, longitudinal walls	2	72 6	1 6	2 0		
Cashier's, sheristadar's and clerk's rooms, longitudinal partitions	3	18 0	1 6	2 0		
Record room, outer walls		98 0	1 6	2 0	891	
Treasury and Inspector's room.						
Outer walls		116 9	1 10½	2 0		
Do. inner walls	2	22 10½	1 10½	2 0		
Do. do.	1	12 0	1 10½	2 0	654	
Jail wards, outer walls		173 0	1 10½	2 0		
Do. partitions	4	15 0	1 6	2 0		
Verandah and covered ways near jail		94 0	1 1½	2 0	519	
Do. in front		132 6	0 9	2 0	155	
Do. in rear and sides of record room		153 0	0 9	2 0		
Extra thickness at verandah posts	32	1 1½	0 4½	2 0	569	
Do. at corners	5	0 4½	0 4½	2 0		
Do. do.	4	1 10½	0 4½	2 0		
Extra thickness for plinth for jail wards		108 6	0 3	2 0	34	
Inspector's and arms' room		47 6	0 3	2 0		
Private and property room		43 7½	0 3	2 0	100	
Total, Cubic feet						5,843
BRICKWORK IN BASEMENT.						
Court, outer walls		92 0				
Private and property room end walls	3	7 10½	1 6	2 0	276	
Do. do. outer walls		43 1½	1 1½	2 0	150	
Cashier's, sheristadar's, &c., rooms, longitudinal walls	2	72 6	1 6	2 0		
Cashier's, sheristadar's, &c., rooms, longitudinal partitions	3	18 0				
Record room, outer walls		98 0	1 6	2 0	891	
Treasury and Inspector's room.						
Outer walls		116 9	1 10½	2 0		
Do. inner walls	2	22 10½	1 10½	2 0		
Do. do.	1	12 0	1 10½	2 0	654	
Jail, outer walls		173 0	1 10½	2 0		
Do. partitions	4	15 0	1 6	2 0		
Verandah and covered way rear jail		94 0	1 1½	2 0	519	
Do. in front		132 6	0 9	2 0	155	
Do. in rear and sides of record room		153 0	0 9	2 0		
Extra thickness at verandah posts	32	1 1½	0 9	2 0	569	
Do. at corners	5	0 4½	0 4½	2 0		
Extra thickness for plinth	4	1 10½	0 4½	2 0		
Dais walls		199 7½	0 3	2 0	34	
Steps		20 9	1 1½	1 6	100	
Do.		36 6	3 9	0 6	35	
Do.		30 6	2 0	0 6	55	
Do. near jail		24 6	1 0	0 6	21	
Deduct—	2	5 6	3 0	1 0	12	
Stone in steps					53	
Total, Cubic feet						3,494
BRICKWORK IN SUPERSTRUCTURE.						72
Court, outer walls		92 0				3,422
Do. dais walls		20 9	1 6	13 3	1,829	
Private and property room end walls	3	7 10½	1 1½	1 6	35	
Do. do. half gables	3	7 10½	1 1½	8 0	292	
Do. do. outer walls		43 1½	1 1½	5 0	388	
Cashier's, sheristadar's and clerk's room, longitudinal walls	2	72 6	1 6	13 8	3,955	
Cashier's, sheristadar's and clerk's room, longitudinal partitions	3	18 0	1 6	13 3		
Cashier's, sheristadar's and clerk's room, longitudinal gables	4	21 0	1 6	3 6	441	
Record room, outer walls		98 0	1 6	12 0	1,764	
Do. gables	2	18 0	1 6	3 0	162	
Treasury and inspector's room, outer walls, including battlement		116 9	1 10½	20 6	4,378	
Treasury and inspector's room, inner walls	2	22 10½	1 10½	15 0	1,624	
Do. do. do.	1	12 0	1 10½	15 0	3,114	
Jail wards, outer walls		173 0	1 6	12 0	810	
Do. partitions	4	15 0	1 1½	12 0	162	
Do. gables at ends	2	18 0	1 6	3 0	243	
Do. do. for partitions	4	18 0	1 1½	3 6		19,179

2863

Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
BRICKWORK IN SUPERSTRUCTURE—*cont.*						
Deductions—						
Doors in treasury	8	4 0	1 10½	8 0	750	
Windows do.	6	4 0	1 10½	6 0		
Archway in treasury square portion	1	12 0	1 10½	4 0	90	
Do. semi-circular do.		56 6	Area.	1 10½	106	
Doors in court, &c.	17	4 0	1 6	8 0	861	
Do. do.	1	4 0	1 6	7 6		
Do. in private and property room	2	4 0	1 1½	7 6	104	
Windows in do.	2	4 0	1 1½	4 0		
Doors in jail	5	4 0	1 6	7 6	225	
Ventilators in jail	7	4 0	1 6	2 0	84	
Record-room windows	18	1 9	1 6	5 6	260	
Archwork as per details					535	
Total, Cubic feet						3,015
						16,182
ARCHWORK.						
Over treasury doors and windows	14	5 0	1 10½	1 1½	148	
Do. arch semi-circular	1	21 6	1 10½	1 6	60	
Over doors in court, &c.	18	5 0	1 6	1 1½	152	
Do. and windows in private and property room	4	5 0	1 1½	1 1½	25	
Over doors and end ventilators in jail	7	5 0	1 6	1 1½	150	
Over record-room windows	18	3 0	1 6	1 1½		
Total, Cubic feet						535
CUT STONEWORK.						
Slabs under posts	48	1 0	1 0	0 6	24	
Steps		143 0	1 0	0 6	72	
Slabs under trusses	22	2 0	1 6	0 4	22	
Total, Cubic feet						118
EARTH FILLING IN BASEMENT.						
Court	1	25 0	18 0	1 6	675	
Dais	1	5 10½	5 9	1 0	40	
Private and property rooms		30 9	7 10½	1 6	363	
Clerk's, sheristadar's, &c., rooms		68 0	18 0	1 6	1,836	
Treasury and verandah	1	21 0	12 0	1 6	378	
Arms and inspector's room	3	22 10½	8 0	1 6	549	
Jail wards		64 9	15 0	1 6	2,340	
Record room	1	40 0	15 0	1 6		
Verandahs		170 0	8 8	1 6	2,104	
Do.		167 0	5 9	1 6	1,440	
Covered way	1	18 0	13 6	1 6	365	
Total, Cubic feet						10,090
TEAKWOOD WROUGHT AND PUT UP.						
Court, clerk, sheristadar's, &c., room—						
Five trusses to span 18 feet. Tie beams	5	21 0	0 4	0 7	20	
Principal rafters	10	11 9	0 4	0 6	20	
Struts	10	5 9	0 4	0 4	6	
Purlins allowing for halving		196 0	0 4	0 6	33	
Wall purlins do.		206 0	0 3	0 4	17	
Ridge do.		94 0	0 3	0 9	18	
Hip rafters for court	5	17 0	0 3½	0 6	17	
Do. for sheristadar's room	2	15 0	0 3½	0 6		
Common rafters, 18 inches centre to centre	102	12 6	0 3	0 4		
Jack rafters for court	48	9 0	0 3	0 4		
		Average length.			154	
Do. for sheristadar's room	20	7 0	0 3	0 4		
		Average length.				
Record-room—						
Three trusses to span 15 feet. Tie beams	3	18 0	0 4	0 6	9	
Principal rafters	6	9 9	0 4	0 5	8	
Struts	6	4 9	0 4	0 4	3	
Purlins (allowing for halving)	2	49 0	0 4	0 5	14	
Wall purlins	2	44 0	0 3	0 3	6	
Ridge	1	53 0	0 3	0 8	9	
Common rafters, 18 inches centre to centre	55	10 9	0 2	0 3	42	
Do. do. at ends	4	12 6	0 3	0 3		
Treasury, inspector and arms' room—						
Joists, 18 inches centre to centre	16	14 0	0 3½	0 8	44	
Do. do.	32	9 6	0 3	0 6	38	

3

Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
TEAKWOOD WROUGHT AND PUT UP—*cont.*						
Jail wards.						
Three trusses to span 15 feet. { Tie beams	3	18 0	0 4	0 6	9	
Principal rafters	6	9 9	0 4	0 5	5	
Struts	6	4 9	0 4	0 4	3	
Purlins allowing for halving	2	75 6	0 4	0 5	21	
Wall purlins do.	2	75 6	0 3	0 3	9	
Ridge	1	75 6	0 3	0 8	13	
Common rafters, 18 inches centre to centre	56	12 8	0 2	0 3		
Do. do. do.	48	10 9	0 3	0 5	76	
Covered way.						
One truss to span 15 feet. { Tie beam	1	16 6	0 4	0 6	3	
Principal rafters	2	9 9	0 4	0 5	5	
Struts	2	4 9	0 4	0 4	3	
Purlins	2	20 0	0 4	0 4	1	
Do. over posts	2	20 0	0 4	0 5	6	
Ridge	1	20 0	0 4	0 4	4	
Hip rafters	2	15 0	0 3	0 8	3	
Common rafters	13	12 6	0 2	0 5	3	
Jack rafters	8	6 6	0 3	0 3	17	
Verandah.						
Posts	48	0 6	0 6	7 4	88	
Breastsummers for 9 feet verandah		187 0	0 6	0 7½	58	
Do. for 6½ feet do.		222 9	0 6	0 6	56	
Hip rafters	4	12 6	0 3	0 6		
Do.	1	18 6	0 3	0 6		
Do.	1	15 6	0 3	0 6		
Ridges	3	12 6	0 3	0 6	18	
Common rafters for 9 feet verandahs and private and property room 18" centre to centre.	2	11 0	0 3	0 6		
Jack rafters for do. do.	122	13 6	0 3	0 5		
Do.	24	5 6 Average length.	0 3	0 5		
Do.	4	7 6 Average length.	0 3	0 5	199	
Common rafters for 6½' verandah 18" centre to centre	12	8 6	0 3	0 5		
Jack rafters	102	10 0	0 3	0 4		
	28	5 6	0 3	0 4	98	
Boarding at ends of Jail.						
Verandahs	2	8 0	0 1	3 0	4	
Barge boards for jail and record room gables	6	13 6	0 1	0 9	5	
Do.	6	3 0	0 1	1 0	3	
Do. collar piece	3	9 6	0 3	0 4	2	
Barge boards for finials	3	6 6	0 3	0 3	1	
Do. do.	3	1 6	0 8	0 8	1	
Do. do.	6	4 0	2 0	0 1¼	1	
Front Verandah gables.					5	
Barge boards	4	7 6	0 1			
Collar pieces	2	7 0	0 2	0 7½	2	
Finials	2	6 9	0 3	0 4	1	
Planks	2	2 6	0 1¼	0 3	1	
Weather boards for Jail.				1 6	1	
Brackets	4	3 6	0 2			
Struts	4	3 0	0 2	0 2½	1	
Breastsummers	2	6 0	0 2	0 2½		
Rafters	8	4 6	0 1½	0 2½	1	
Planks including overlap	12	6 3	0 3½	0 2	1	
				0 9	4	
Total, Cubic feet						1,185
VENETIAN AND PANEL DOORS WITH FRAMES COMPLETE.						
Outer doors of court, clerk's, sheristadar's, &c., rooms	11					
Private room	1	4 0		8 0	352	
		4 0		7 6	30	
Total, Square feet						382
PANELLED DOORS WITH FRAMES.						
Inner doors of court, clerk's, sheristadar's, &c., room	6	4 0		8 0	192	
Do. do. do.	1	4 0		7 6	30	
Total, Square feet						222

2863

Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
WROUGHT IRON GRATED DOORS WITH WOODEN FRAMES.						
For jail wards	5	4 0	..	7 6	150	
Treasury, &c.	8	4 0	..	8 0	256	
Total, Square feet						406
Strong battened shutters for treasury doors without frames	4	3 6	..	7 6	105	Sq. ft.
Strong battened door with frame for property room	1	4 0	..	7 6	30	Sq. ft.
VENETIAN WINDOWS WITH FRAMES AND IRON BARS.						
For private and property room	2	4 0	..	4 0	32	Sq. ft.
BATTENED WINDOWS WITH FRAMES AND IRON BARS.						
For arms and inspector's room	6	4 0	..	6 0	144	
For record room	18	1 9	..	5 6	173	
Total, Square feet						317
Teak frames with iron bars for jail ventilators	7	4 0	..	2 0	56	Sq. ft.
WROUGHT IRON WORK IN TRUSSES.						
1" diar. king rods for 18 feet trusses	5	8 0	= 40 0	× 2·62	= 105	
1" hex. nut and bolt head for do.	15	..	..	× 1·10	= 17	
1" diar. ½" thick washers for do.	10	..	..	× 0·32	= 3	
⅜" diar. ½" thick washers for do.	10	2 9	27 6	× 2·50	= 69	
1¼" × ⅝" heel straps for do.	10	0 6¼	= 5 3¾	× 2·50	= 13	
1¼" × ½" bearing plates for 18 feet trusses	20	..	..	× ·267	= 5	
⅝" hex. nuts for do. do.	5	2 0	= 10 0	× 7·51	= 75	
Caps of ⅝" plate 6" wide	7	6 7½	= 46 4½	× 2·01	= 93	
4" diar. kingrod for 15 feet trusses	21	..	..	× 0·73	= 15	
½" hex. nut and head for trusses	14	..	..	× 0·32	= 4	
⅜" diar. ½" thick washers for trusses	14	2 3	= 31 6	× 1·87	= 58	
1¼" × ⅝" heel straps for trusses	14	0 6¾	= 7 10½	× 1·87	= 15	
1¼" × ½ bearing plate for trusses	28	..	..	× ·267	= 7	
⅝" hex. nut for trusses	7	1 6	= 10 6	× 7·51	= 79	
Caps of ⅝" plate 6" wide						
Total, lb.						558
TERRACE ROOFING.						
For treasury, inspector's and arms' rooms		82 9	..	23 10½	782	Sq. ft.
Squares						7·82
TILED ROOFING.						
Court room		28 0	..	26 0	2,608	
Clerk's, sheristadar's, &c., rooms		80 0	..	26 0		
Record room		49 0	..	23 0	1,127	
Jail		74 6	..	24 6	1,826	
Covered way		15 3	..	25 0	381	
Verandah 9 feet wide		210 0	..	12 0	2,520	
Do. 6½ do.		182 0	..	9 0	1,638	
Square feet						10,299
Total, Squares						103
FLOORING WITH 5" SQUARE BRICKS.						
Court	1	25 0	..	18 0	450	
Private room	1	7 10½	..	18 9	242	
Property room	1	7 10½	..	12 0		
Clerk's, sheristadar's, &c., room		68 0	..	18 0	1,244	
Treasury and verandah	2	22 10½	..	12 0	641	
Inspector's and arms' room	1	22 10½	..	8 0		
Covered way		18 0	..	15 0	270	
Verandah 9 feet wide		175 0	..	9 0	1,575	
Do. 6½ do.		167 0	..	6 6	1,086	
Door pieces	18	4 0	..	1 6	108	
Do.	8	4 0	..	1 10½	60	
Do.	2	4 0	..	1 1½	9	
Square feet						5,685
Total, Squares						56·85

4

Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
FLOORING RECORD ROOM AND JAIL WITH ASPHALTE ½" THICK OVER A BED OF CONCRETE.						
Record room ..	1	40 0				
Jail	1	64 0	..	15 0	1,560	
Door pieces	5	4 0	..	15 0		
Square feet ..	..	..	..	1 6	30	
Total, Squares ..	..	..	..	..	..	1,590
PLASTERING INTERIOR (TWO COATS).						
Court	..	..	..	..	..	15·90
Private room	..	86 0	..	13 3	1,146	
Property room	..	53 3	..	10 6	559	
Do.	..	19 10½	..	8 6	169	
Do.	2	7 10½	..	10 6	165	
Clerk's, sheristadar's, &c., room	1	4 1½	..	13 3	55	
Gables	..	280 0	..	13 3	3,710	
Record room	9	18 0	..	3 0	486	
Gables	..	110 0	..	12 0	1,320	
Treasury	2	15 6	..	2 6	75	
Do. verandah	..	54 9	..	14 0		
Inspector's and arms' room	..	42 6	..	18 0	3,073	
Jail wards	3	61 9	..	14 6		
Do. gables	..	278 0	..	12 0	3,336	
Door jambs and soffits	10	15 9	..	2 6	378	
Do. do.	17	20 9	..	1 6	510	
Do. do.	1	19 6	..	1 6	29	
Do. do.	8	20 6	..	1 10½	300	
Arch do.	2	19 6	..	1 1½	42	
Window do.	5	19 6	..	1 6	143	
Do. do.	..	27 0	..	1 10½	51	
Do. do.	6	20 9	..	1 10½	225	
Ventilator jambs	2	16 6	..	1 1½	36	
Do.	15	14 6	..	1 6		
Deductions—	2	12 0	..	1 6	488	
Doorways	5	8 0	..	1 6		
Do.	32	4 0	..	8 0	1,024	
Archway, square portion	9	4 0	..	7 6	270	
Do. semi-circular portion	1	12 0	..	4 0	48	
Windows	1	4 0	..	1 6	57	
Do.	3	56 6	Area.	..	83	
Do.	6	4 0	..	4 6	144	
Ventilators	16	1 9	..	6 6	174	
Square feet ..	7	4 0	..	3 0	66	1,805
Total, Squares ..	..	..	..	..	..	18,678
POINTING EXTERIOR.						144·73
Court	..	..	..	..	..	
Clerk's, sheristadar's, &c., rooms	..	80 9	..	13 3	3,026	
Property and private room	..	177 9	..	13 3	667	
Do. half gables	..	63 3	..	7 6	54	
Record room	2	9 0	..	3 0	1,917	
Do. gable	..	101 6	..	13 0	54	
Treasury and inspector's, &c., rooms	1	18 0	..	3 0	2,671	
Do. inside parapet	..	134 3	..	21 4	348	
Jail wards	..	109 3	..	3 6	7,149	
Do. gables	..	179 6	..	13 0	168	
Basement all round	8	18 0	..	3 0	1,218	11,506
Dednct—	..	699 0	..	1 9		
Doorways	15	4 6	..	8 6	512	
Do.	1	8 0	..	7 6	210	
Archway, square portion	1	13 6	..	4 6	48	
Do. semi-circular portion	1	56 6	Area.	..	57	
Windows	3	4 0	..	4 6	92	
Do.	6	4 0	..	8 6	144	
Ventilators	16	1 9	..	3 3	174	
End wall, cashier's room	7	4 0	..	3 0	86	
Square feet ..	1	21 6	..	16 0	330	1,869
Total, Squares ..	..	..	..	..	..	9,637
	..	..	..	..	..	99·37
					Per foot lb.	lb.
Lead sheeting for roof valleys	..	..	..	..	..	1,360
Mouldings over windows for inspector's and arms' room.	4	154 6	1 6	N. 270	L. ft.	
		5 0	..	..		

2863

Estimate Form—Detail Measurements—*cont.*

Detail of work.	No.	Measurements in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Coping for treasury	..	..	..	125	L. ft.	
Railing for dais	..	..	..	23	,,	
Finials over court	..	..	2 in number.			
PAINTING WITH THREE COATS OF CARSON'S PAINT.						
Venetian and panel doors	3	383 0	..	..	1,146	
Panelled doors	2	222 0	..	..	444	
Wrought iron grated doors	2	406 0	..	..	812	
Batten shutters	2	105 0	..	..	210	
Do. do.	2	30 0	..	..	60	
Do. windows	2	317 0	..	..	634	
Ventilators	2	56 0	..	..	112	
Roof timbers including weather boards, &c. ..	..	..	..	..	11,972	
Square feet ..	..	..	..	..	..	15,390
Total, Squares ..	..	..	..	..	..	154
Add extra labor in finishing barge boards and finials.	..	..	5 in number.			
Punkah 10 feet long	..	..	1 ,,			

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
		Rs.		Rs.	Rs.
20,622 C. feet ..	Excavation for foundation		1,000 C. feet.		
7,019 ,, ..	Concrete in foundations		100 C. feet.		
5,843 ,, ..	Brickwork in foundations		,,		
2,422 ,, ..	Do. in basement		,,		
16,182 ,, ..	Do. in superstructure		,,		
535 ,, ..	Archwork		C. feet.		
118 ,, ..	Cut stonework		1,000 C. feet.		
10,000 ,, ..	Filling in basement		C. feet.		
1,185 ,, ..	Teakwood wrought and put up		Square feet.		
282 Sq. feet.	Venetian and panel doors with frames		,,		
223 ,, ..	Panelled doors with frames		,,		
406 ,, ..	Wrought iron grated doors with teak frames ..		,,		
105 ,, ..	Strong battened shutters for treasury doors without frames		,,		
30 ,, ..	Strong battened door with frame for property room ..		,,		
82 ,, ..	Venetian windows with frames and iron bars ..		,,		
317 ,, ..	Battened do. do.		,,		
56 ,, ..	Teak frames with iron bars for jail ventilators ..		,,		
558 lb. ..	Wrought iron work in trusses		lb.		
7·81 Squares.	Terrace roofing		Square.		
103 ,, ..	Tiled roofing with flat and pan tiles including teak rosers		,,		
56·65 ,, ..	Flooring with 8-inch square pavement tiles		,,		
15·90 ,, ..	Flooring record room and jail with asphalte ½ inch thick over a bed of concrete		,,		
144·73 ,, ..	Plastering interior (two coats)		,,		
99·37 ,, ..	Pointing exterior		lb.		
1,360 lb ..	Lead sheeting for roof valleys		L. feet.		
36 L. feet.	Mouldings over windows		,,		
125 ,, ..	Coping for treasury parapet		,,		
23 ,, ..	Hand railing for dais		Each.		
2 in No.	Finials over court		Square.		
154 Squares.	Painting with three coats of Carson's paint		Each.		
5 in No. ..	Add extra labor in finishing barge boards and finials ..		,,		
1 ,, ..	Punkah 10 feet long		,,		
..	Petty supervision		..		
..	Contingencies		..		

MADRAS,
25th April 1887.

(Signed) J. W. BRASSINGTON,
Offg. Consulting Architect to Government.

5

TAHSILDAR'S CUTCHERRY.

Descriptive Specification.

Foundations.—A depth of 4 feet 6 inches is provided in the quantities, but this should be settled locally in accordance with the nature of the soil.

Walling.—The walls should be carried up in English bond, walls of treasury 2½ bricks thick, court, offices, record room and outer walls of jail 2 bricks thick, jail partitions and verandah rooms near court 1½ bricks. Verandah retaining walls 1 brick thick, except under posts which will be half a brick thicker.

Stonework.—Stone slabs 12″ × 12″ × 6″ with mortice holes 2 inches square and 2 inches deep cut into them into which the verandah posts will be tennoned.
Slabs will also be placed at the bearings of trusses. The steps may also be of stone, if procurable without great expense.

Woodwork.—The doors, windows, weather boards, verandah posts and trusses should be of well-seasoned teakwood, the rafters and other minor roof timbers may be of approved country wood.

Roofing.—The roof of the treasury, arms, and inspector's room will be of pucka terrace. The rest of the building will be covered with flat and pan tiles; if the quality of these are good the usual unsightly "chunam bands" might be dispensed with; all valleys should be protected with sheet lead.

Flooring.—The floor may be of square bricks or stone slabs if the latter are easily procurable. Jail wards and record room floors to be asphalted.

Interior and exterior finishing.—The interior walls will be fine plastered with shell lime or plastered and washed. Where good bricks are obtainable the exterior should be pointed.
Where the soil is damp the space below the flooring should be filled with river sand to a depth of 1 foot at least and the interior walls plastered with Portland cement ½ an inch thick to a height of 3 feet all over above floor level. The exterior plinth should also be plastered with cement.

Finials.—The finials may be of copper, iron or wood.
The different kinds of work to be done will be executed in conformity with the standard specification of the Public Works Department.

CHEPÂK,
25th April 1887.

(Signed) J. W. BRASSINGTON,
Offg. Consulting Architect to Government.

2863

3RD JUNE 1887, No. 1495 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From J. W. BRASSINGTON, Esq., Officiating Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 25th April 1887, No. 95.

In continuation of my letter, No. 1530, dated the 12th March last, I have the honor to submit a revised plan and schedule of quantities for tahsildars' cutcherries.

2. The plan and quantities for deputy tahsildars' cutcherries will follow.

No. 72 D.

Forwarded for the approval of Government in the Revenue Department.

2. The design has already been approved in Committee by the Honorable Members and Secretaries to Government.

6th May 1887. (Signed) J. O. HASTED, Col., R.E.,
Chief Engineer, P.W.D.

G.O., dated 23rd May 1887, No. 2981, Revenue.

Read—endorsement of Public Works Department, dated 6th May 1887, No. 72 D., forwarding, for approval, revised standard design for taluk offices.

Order—dated 23rd May 1887, No. 2981, Revenue.

Approved.

(True Extract.)

(Signed) J. F. PRICE,
Ag. Secy. to Govt.

ORDER—dated 3rd June 1887, No. 1495 W., Public Works.

The revised type design, with schedule of quantities and descriptive specification for a first-class taluk office, will be circulated to officers of the Public Works Department, for information and guidance, in supersession of all previous standard designs for similar buildings.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
" the Consulting Architect to Government.
" the Revenue Department.

Exd. P. L. Pereira.
Spare Copies

6

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated June, 3rd.

Recd. *Encl.*

G.O., 3rd June 1887, No. 1495 W.

JUNE.

Taluk Office

A revised type design for a first-class
circulated to officers of the department.

2863

14TH AUGUST 1889, No. 2201 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

Proceedings of the Board of Revenue (Land Revenue), dated 10th July 1889, Mis. No. 4139.

THE HON. J. GROSE, M.A.

Read—the following letter from the Collector of Madura, dated 20th June 1889, No. 241 :—

I have the honor to submit, for the sanction of Government, revised estimate, &c., amounting to Rs. 24,940, for the construction of taluk cutcherry at Tirumangalam, with outhouses, in accordance with the type-design embodied in G.O., No. 1495 W., dated 3rd June 1887, received from the Superintending Engineer, VI Circle, Trichinopoly.

2. An estimate for Rs. 25,110, for the construction of the building in accordance with the old design embodied in G.O., No. 2013 W., dated 31st August 1885, has been sanctioned by Government and communicated with Board's Proceedings, Mis. No. 8641, dated 19th September 1885. This revised estimate is submitted as the one already sanctioned is not in accordance with the new type-design.

Resolution—dated 10th July 1889, Mis. No. 4139.

The revised estimate for constructing a taluk office at Tirumangalam is submitted for the sanction of Government.

2. The estimate is prepared with reference to the latest standard design circulated with G.O., dated 3rd June 1887, No. 1495 W., and amounts to Rs. 24,940.

3. It is observed that this estimate includes provision for a ryot's shed, Rs. 1,088, and for a jail latrine, Rs. 738. These two items should, apparently, be excluded with reference to G.O., dated 27th June 1888, No. 3742. The net estimate will then be Rs. 23,114, which is Rs. 2,114 in excess of the cost at Madras rates for a taluk office on the new type-design.

4. In para. 4 of his report the Superintending Engineer says that Rs. 13,000 are allotted for expenditure on the work during the year in the Provincial budget for 1889-90 (*vide* item 17, part I, class A works, in the list circulated with G.O., dated 19th January 1889, No. 339).

(A true Copy and Extract.)

(Signed) M. HAMMICK,
Secretary.

Mis. No. 4661, Revenue.

Approved and transferred to the Public Works Department with the remark that the provision for a ryot's shed and jail latrine should be omitted.

(Signed) C. A. GALTON,
Secretary to Government.

OOTACAMUND,
25th July 1889.

Note by the Chief Engineer, General, Buildings and Roads Branch.

The revised estimate of Rs. 24,940 for constructing a taluk office with out-buildings at Tirumangalam includes provision for a ryot's shed and jail latrine, but as these buildings are not required, their cost will be deducted from the estimate, which will then stand at Rs. 23,114, or Rs. 1,996 less than the original estimate sanctioned in G.O., No. 2013 W., dated 31st August 1885. The Board of Revenue remarks that the net amount of the estimate, viz., Rs. 23,114, is in excess of the cost at Madras of a similar building, but it has been overlooked by the Board that the estimate of Rs. 23,114 includes a sum of Rs. 2,569 for a cook-room and compound wall: if these items be deducted, it will be found that the estimated cost of the main building of the taluk office at Tirumangalam is Rs. 20,545 against Rs. 21,000 for a similar building at Madras rates.

With these remarks the revised estimate is submitted for sanction.

9th August 1889. (Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Chief Engineer, P.W.D.

ORDER—dated 14th August 1889, No. 2201 W., Public Works.

The revised estimate for constructing a taluk office at Tirumangalam, in the Madura district, which has been reduced to Rs. 23,114 by the Chief Engineer, Public Works Department, is sanctioned in supersession of the estimate of Rs. 25,110 sanctioned in G.O., No. 2013 W., dated 31st August 1885.

2. A sum of Rs. 13,000 has been provided for the work in the Provincial budget for 1889-90.

3. With reference to the concluding remark of para. 3 of its Resolution, the attention of the Board of Revenue will be invited to the Note by the Chief Engineer above recorded.

4. The sanction accorded in para. 1 of these proceedings has been registered as Provincial No. 49 W. of 1889-90, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle, with five enclosures.
" Examiner, Public Works Accounts, with the duplicate general abstract estimate.
" Revenue Department.

Exd. P. L. Pereira.
Spare Copies

2863

8

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated August, 14th.

Read.

Encl.

G.O., 14th Aug. 1889, No. 2201 W.

AUGUST.

Taluk Office at Tirumangalam, Madura District

Revised estimate for a —, sanctioned with remarks.

2863

P.W. Dept.

No. 6 D

Memo

Endorsement from the Examiner P.W. Accounts No. 956, dated 8th July 1889, on telegram from the Supt Engineer-VI Circle, dated 6th July 1889.

Copy of the Supt Engineer's telegram forwarded to the Revenue Department with the request that the Examiner to the Department of the returns, which should have been submitted through the Collector of Madura, may be expedited.

10.7.89

Recd 11.7.89

No 2013 dtd 31-8-85

(3)

Revenue Department

2863

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read Memo of the P.W.D. 25th September 1885 No 510/8 requesting that a reply may be expedited to the communication requesting to transmit to the P.W.D. the estimate for Tahsildar's office at Tirumangalam, Madura Dist:

Order thereon, 5th October 1885 No 1354

The revised estimate called for was transferred to the Public Works Department in G.O. dated 25th July 1885 No 1661 MS. which has been disposed of in G.O. dated 12th August 1885 No 2201 W. Public Works.

(True Extract)

J Grieve
Ag Secretary to Govt.

To

The P.W.D.

10

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Copied

Q.22.62/7.4

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