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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. V. D. DEPARTMENT

G.O. No.	1556. W.	Press.
B.P. No.		Mis.
Dated	10.6.1887	198 .

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10TH JUNE 1887, No. 1556 W., PUBLIC WORKS.

1556
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads
Civil Works.

READ—the following letter from Lieutenant-Colonel J. PENNYCUICK, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Kodaikānal, 25th May 1887, No. 389 T.J.:—

With reference to your memorandum, No. 569 D., of 24th August 1886, and this office letter, No. 1210 T.J., of 13th November 1886, I have the honor to forward, for your approval and return, the plan of St. Joseph's College at Negapatam showing the distribution of space for the several public offices. The plan has been countersigned by all the heads of the departments in token of their approval.

2. Tahsildar's cutcherry has been proposed to be placed in an out-building attached to the college and an estimate, amounting to Rs. 4,420, for adapting the same to accommodate the tahsildar, his establishment and sub-jail was prepared and submitted for sanction of Government through the Collector of Tanjore with this office report, No. 184 T.J., dated 1st instant.

3. The Executive Engineer states that the alterations required to accommodate the Public Works Division office have been executed on an estimate of Rs. 189 sanctioned by him.

4. An estimate, amounting to Rs. 1,200, for adapting the portion of the building to accommodate the district munsif, has been received in this office and is now forwarded for the sanction of Government, through the District Judge of Tanjore.

5. The Executive Engineer is now engaged in framing estimates for each department separately, and they will be disposed of as they are received and a report sent to you when all the estimates are disposed of.

ORDER—dated 10th June 1887, No. 1556 W., Public Works.

Approved.

2. The estimates referred to in paragraphs 2, 4 and 5 are awaited.

(True Extract.)

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

To the Superintending Engineer, VI Circle, with plan returned.

Judicial Dept.
Revenue Dept.

Exd. P. L. Pereira.

Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of 1887 Madras.

PUBLIC WORKS.

Dated June, 10th.

Recd.

E.

G.O., 10th June 1887, No. 1556 W

JUNE.

St. Joseph's College buildings
at Negapatam

Plan showing the distribution of space
in the — for the several public offices,
approved.

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

ESTIMATE FORM—Detail Measurements.

Detail of work.	No.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
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, sheristadar's, clerk's room, longitudinal walls	2	70 0	4 0	4 6	}	5,076
Do. do. partitions	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		
Jail wards, outer walls	..	173 0	4 0	4 6	3,114	}
Do. partitions	4	12 6	3 7½	4 6	816	
Verandah and covered way walls near jail	..	89 0	3 3	4 6	5,404	
Do. in front	..	130 0	3 3	4 6		
Do. in rear and sides of record room	..	150 6	3 3	4 6		
Extra thickness at verandah posts	32	1 1½	0 4½	4 6	}	64
Do. do. at corners	5	0 4	0 4½	4 6		
Do. do.	4	1 10½	0 4½	4 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	..	..	..	..	..	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, sheristadar'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	1,500	
Do. in front	..	130 0	3 3	1 6		
Do. in rear and sides of record room	..	150 6	3 3	1 6		
Extra thickness at verandah posts	32	1 1½	0 4½	1 6	}	26
Do. do. at corners	5	0 4	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	..	..	..	..	..	7,919
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	192	
Do. do. outer walls	..	43 15½	1 10½	1 0		
Cashier's, sheristadar's and clerk's room, longitudinal walls	2	71 9	2 3	1 0	}	568
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		
Jail wards, outer walls	..	173 0	2 2	1 0	389	}
Do. partitions	4	14 3	1 16½	1 0	107	
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	..	162 3	1 6	1 0		
Extra thickness at verandah posts	32	1 1½	0 4½	1 0	}	17
Do. do. at corners	5	0 4	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	}
Private and property room, end walls	3	7 10½	1 1½	2 0	160	
Do. do. outer walls	..	43 1½	1 1½	2 0		

Estimate Form—Detail Measurements—cont.

Detail of work.	No.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
BRICKWORK IN FOUNDATIONS—cont.						
Footings—cont.						
Cashier's, sheristadar's and clerk's rooms, longitudinal walls	2	72 6	1 6	2 0	891	
Cashier's, sheristadar's and clerk's rooms, longitudinal partitions	3	18 0	1 6	2 0		
Record room, outer walls	3	98 0	1 6	2 0		
Treasury and Inspector's room.						
Outer walls	2	116 9	1 10½	2 0	654	
Do. inner walls	2	22 10½	1 10½	2 0		
Do. do.	1	12 0	1 10½	2 0		
Jail wards, outer walls	4	173 0	1 6	2 0	519	
Do. partitions	4	15 0	1 1½	2 0		
Verandah and covered ways near jail	4	94 0	0 9	2 0		
Do. in front	4	132 6	0 9	2 0	135	
Do. in rear and sides of record room	4	153 0	0 9	2 0		
Extra thickness at verandah posts	32	1 1½	0 4½	2 0		
Do. at corners	5	0 4½	0 4½	2 0	569	
Do. do.	4	1 10½	0 4½	2 0		
Extra thickness for plinth for jail wards	4	168 6	0 3	2 0		
Inspector's and arms' room	4	47 6	0 3	2 0	34	
Private and property room	4	43 7½	0 3	2 0		
Total, Cubic feet						
BRICKWORK IN BASEMENT.						
Court, outer walls	3	92 0	1 6	2 0	275	
Private and property room end walls	3	7 10½	1 1½	2 0		
Do. do. outer walls	3	43 1½	1 1½	2 0		
Cashier's, sheristadar's, &c., rooms, longitudinal walls	2	72 6	1 6	2 0	150	
Cashier's, sheristadar's, &c., rooms, longitudinal partitions	3	18 0	1 6	2 0		
Record room, outer walls	3	98 0	1 6	2 0		
Treasury and Inspector's room.						
Outer walls	2	116 9	1 10½	2 0	654	
Do. inner walls	2	22 10½	1 10½	2 0		
Do. do.	1	12 0	1 10½	2 0		
Jail, outer walls	4	173 0	1 6	2 0	519	
Do. partitions	4	15 0	1 1½	2 0		
Verandah and covered way rear jail	4	94 0	0 9	2 0		
Do. in front	4	132 6	0 9	2 0	135	
Do. in rear and sides of record room	4	153 0	0 9	2 0		
Extra thickness at verandah posts	32	1 1½	0 4½	2 0		
Do. at corners	5	0 4½	0 4½	2 0	569	
Do. do.	4	1 10½	0 4½	2 0		
Extra thickness for plinth	4	199 7½	0 3	2 0		
Dais walls	4	36 6	3 0	0 6	100	
Steps	4	30 6	2 0	0 6		
Do. do.	4	24 6	1 0	0 6		
Do. near jail	2	5 6	3 0	1 0	33	
Deduct—						
Stone in steps						
Total, Cubic feet						3,494
BRICKWORK IN SUPERSTRUCTURE.						
Court, outer walls	3	92 0	1 6	13 3	1,829	
Do. dais walls	3	20 9	1 1½	1 6		
Private and property room end walls	3	7 10½	1 1½	8 0		
Do. do. half gables	3	7 10½	1 1½	8 0	36	
Do. do. outer walls	3	43 1½	1 1½	3 0		
Cashier's, sheristadar's and clerk's room, longitudinal walls	2	72 6	1 6	13 3		
Cashier's, sheristadar's and clerk's room, longitudinal partitions	3	18 0	1 6	13 3	3,955	
Cashier's, sheristadar's and clerk's room, longitudinal gables	4	21 0	1 6	3 6		
Record room, outer walls	4	98 0	1 6	12 0		
Do. gables	2	18 0	1 6	3 0	441	
Treasury and Inspector's room, outer walls, including battlement	2	116 9	1 10½	20 0		
Treasury and Inspector's room, inner walls	2	22 10½	1 10½	15 0		
Jail wards, outer walls	1	12 0	1 10½	15 0	1,624	
Do. partitions	4	173 0	1 6	12 0		
Do. gables at ends	2	15 0	1 1½	12 0		
Do. do. for partitions	4	18 0	1 6	3 0	810	
Do. do.	4	18 0	1 1½	3 0		
Do. do.	4	18 0	1 1½	3 0		
Total, Cubic feet						19,179

Estimate Form—Detail Measurements—cont.

Detail of work.	No.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
BRICKWORK IN SUPERSTRUCTURE—cont.						
Deductions—						
Doors in treasury	8	4 0	1 10 $\frac{1}{2}$	8 0	750	
Windows do.	6	4 0	1 10 $\frac{1}{2}$	6 0		
Archway in treasury square portion	1	12 0	1 10 $\frac{1}{2}$	4 0	90	
Do. semi-circular do.	17	56 6	Area. 1 10 $\frac{1}{2}$	106		
Doors in court, &c.	1	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 1 $\frac{1}{2}$	7 6	104	
Windows in do.	2	4 0	1 1 $\frac{1}{2}$	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
ARCHWORK.						
Over treasury doors and windows	14	5 0	1 10 $\frac{1}{2}$	1 1 $\frac{1}{2}$	148	
Do. arch semi-circular	1	21 6	1 10 $\frac{1}{2}$	1 6	60	
Over doors in court, &c.	18	5 0	1 6	1 1 $\frac{1}{2}$	152	
Do. and windows in private and property room	4	5 0	1 1 $\frac{1}{2}$	1 1 $\frac{1}{2}$	25	
Over doors and end ventilators in jail	7	5 0	1 6	1 1 $\frac{1}{2}$	150	
Over record-room windows	18	3 0	1 6	1 1 $\frac{1}{2}$		
Total, Cubic feet	..	..	..	..	..	535
CONCRETEWORK.						
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 10 $\frac{1}{2}$	6 9	1 0	40	
Private and property rooms	..	30 9	7 10 $\frac{1}{2}$	1 6	363	
Clerk's, sheristadar's, &c., rooms	..	68 0	18 0	1 6	1,336	
Treasury and verandah	1	21 0	12 0	1 6	378	
Arms and inspector's room	2	22 10 $\frac{1}{2}$	8 0	1 6	540	
Jail wards	..	64 0	16 0	1 6	2,340	
Record room	1	40 0	16 0	1 6	2,104	
Verandahs	..	170 0	8 3	1 6	1,440	
Do.	..	167 0	5 9	1 6	1,440	
Covered way	1	18 0	13 6	1 6	..	..
Total, Cubic feet	..	..	..	..	..	10,090
TRAPWOOD WROUGHT AND PUT UP.						
Court, clerk, sheristadar's, &c., room—						
Five trusses to Tie beams	5	21 0	0 4	0 7	20	
span 18 feet. Principal rafters	10	11 9	0 4	0 6	20	
Struts	10	5 9	0 4	0 4	6	
Purlins allowing for halving	..	193 0	0 4	0 6	32	
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 3	0 6	17	
Do. for sheristadar's room	2	15 0	0 3	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		
Do. for sheristadar's room	20	Average length. 7 0	0 3	0 4	154	
Record-room—						
Three trusses to Tie beams	3	18 0	0 4	0 6	9	
span 15 feet. 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	58	10 2	0 3	0 3	42	
Do. do. at ends	4	12 6	0 3	0 3		
Treasury, inspector and arms' room—						
Joints, 18 inches centre to centre	16	14 0	0 2 $\frac{1}{2}$	0 8	44	
Do. do.	32	9 6	0 8	0 6	38	

Estimate Form—Detail Measurements—cont.

Measurements—cont.

Detail of work.	No.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
TEAKWOOD WROUGHT AND PUT UP—cont.						
Jail wards.						
Three trusses to span 15 feet.						
Tie beams	3	18 0	0 4	0 6		
Principal rafters	6	9 3	0 4	0 5		9
Struts	6	4 9	0 4	0 4		8
Purlins allowing for halving	2	75 6	0 4	0 5		3
Wall purlins do.	2	75 6	0 3	0 5		21
Ridge	1	75 6	0 3	0 3		3
Common rafters, 18 inches centre to centre	56	12 6	0 3	0 3		13
Do. do. do.	48	10 9	0 3	0 3		76
Covered way.						
One truss to span 15 feet.						
Tie beam	1	16 6	0 4	0 6		3
Principal rafters	2	9 0	0 4	0 5		3
Struts	2	4 9	0 4	0 4		1
Purlins	2	20 0	0 4	0 5		6
Do. over posts	2	20 0	0 4	0 4		4
Ridge	1	20 0	0 3	0 3		3
Hip rafters	2	15 0	0 3	0 3		3
Common rafters	18	12 6	0 3	0 3		17
Jack rafters	8	6 6	0 3	0 3		17
Verandah.						
Posts	48	0 8	0 6	7 4		88
Breastsummers for 9 feet verandah	187	0	0 6	0 7 1/2		58
Do. for 6 1/2 feet do.	222	0	0 6	0 6		66
Hip rafters	4	12 6	0 3	0 6		18
Do. do. do.	1	18 6	0 3	0 6		18
Do. do. do.	1	15 6	0 3	0 6		18
Ridges	2	11 0	0 3	0 6		18
Common rafters for 9 feet verandah and private and property room 18" centre to centre.	122	13 6	0 3	0 6		199
Jack rafters for do. do.	24	5 6	0 3	0 6		199
Do.	4	Average length. 7 6	0 3	0 6		199
Do.	12	Average length. 8 6	0 3	0 6		199
Common rafters for 6 1/2 verandah 18" centre to centre	102	10 6	0 3	0 4		98
Jack rafters	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 0	0 1	0 9		5
Do. collar piece	3	9 0	0 3	1 0		2
Barge boards for finials	3	6 6	0 3	0 4		2
Do. do.	3	1 0	0 3	0 3		1
Do. do.	6	4 0	2 0	0 1 1/2		5
Front Verandah gables.						
Barge boards	4	7 6	0 1	0 7 1/2		2
Collar pieces	2	7 0	0 2	0 4		1
Finials	2	6 0	0 3	0 3		1
Finials	2	2 6	0 1 1/2	1 6		1
Weather boards for Jail.						
Brackets	4	3 6	0 2	0 2 1/2		1
Struts	4	3 0	0 2	0 2 1/2		1
Breastsummers	2	6 0	0 2	0 2 1/2		1
Rafters	8	4 6	0 1 1/2	0 2 1/2		1
Planks including overlap	12	6 3	0 3 1/2	0 9		4
Total, Cubic feet						1,185
VENTILIAN AND PANEL DOORS WITH FRAMES COMPLETE.						
Outer doors of court, clerk's, sheristadar's, &c., rooms	11	4 0		3 0		352
Private room	1	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

Estimate Form—Detail Measurements—cont.

Detail of work.	No.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
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 5	..	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" diam. 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	
3" diam. 1/2" thick washers for do.	10	..	..	× 0-32	= 3	
1 1/2" × 1/2" heel straps for do.	10	2 9	= 27 6	× 2-50	= 69	
1 1/2" × 1/2" bearing plates for 18 feet trusses	10	0 6 1/2	= 5 3 1/2	× 2-60	= 13	
1/2" hex. nuts for do. do.	20	..	..	× 2-67	= 5	
Caps of 3/8" plate 6" wide	5	2 0	= 10 0	× 7-51	= 75	
1/2" diam. kingrod for 16 feet trusses	7	6 7 1/2	= 46 4 1/2	× 2-91	= 93	
1/2" hex. nut and head for trusses	21	..	..	× 0-73	= 15	
3" diam. 1/2" thick washers for trusses	14	..	..	× 0-32	= 4	
1 1/2" × 1/2" heel straps for trusses	14	2 3	= 31 6	× 1-37	= 58	
1 1/2" × 1/2" bearing plate for trusses	14	0 6 1/2	= 7 10 1/2	× 1-87	= 15	
1/2" hex. nut for trusses	28	..	..	× 2-67	= 7	
Caps of 3/8" plate 6" wide	7	1 6	= 10 6	× 7-61	= 79	
Total, lb.	..	..	..	..	..	558
TERRACE ROOFING.						
For treasury, inspector's and arms' rooms	..	32 9	..	23 10 1/2	782	Sq. ft.
Squares	..	..	..	..	..	7-82
TILED ROOFING.						
Court room	..	28	..	26 0	2,508	
Clerk's, sheristadar's, &c., rooms	..	80	..	26 0		
Record room	..	49	..	23 0	1,127	
Jail	..	74	..	24 6	1,826	
Covered way	..	15 3	..	25 0	381	
Verandah 9 feet wide	..	210 0	..	12 0	2,620	
Do. 6 1/2 do.	..	182 0	..	9 0	1,638	
Square feet	..	..	..	..	..	10,299
Total, Squares	..	..	..	..	..	103
FLOORING WITH 8" SQUARE BRICKS.						
Court	1	25 0	..	18 0	450	
Private room	1	7 10 1/2	..	18 9	242	
Property room	1	7 10 1/2	..	12 0	1,244	
Clerk's, sheristadar's, &c., room	..	68 0	..	18 0		
Treasury and verandah	..	22 10 1/2	..	12 0	641	
Inspector's and arms' room	..	22 10 1/2	..	8 0		
Covered way	1	18 0	..	15 6	270	
Verandah 9 feet wide	..	175 0	..	9 0	1,575	
Do. 6 1/2 do.	..	187 0	..	6 6	1,086	
Door pieces	18	4 0	..	1 6	108	
Do.	8	4 0	..	1 10 1/2	60	
Do.	2	4 0	..	1 1 1/2	9	
Square feet	..	..	..	..	..	5,685
Total, Squares	..	..	..	..	..	56-85

Estimate Form—Detail Measurements—cont.

Detail of work.	No.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
FLOORING RECORD ROOM AND JAIL WITH ASPHALTE 2" THICK OVER A BED OF CONCRETE.						
Record room ..	1	40 0		15 0	1,560	
Jail ..	1	64 0		15 0		
Door pieces ..	5	4 0		1 0	30	
Square feet ..						
Total, Squares ..						1,590
PLASTERING INTERIOR (TWO COATS).						
Court ..						15-80
Private room ..						
Property room ..						
Do. ..		86 0		13 3	1,140	
Do. ..		52 2		10 6	559	
Clerk's, sheristadar's, &c., room ..	2	19 10 1/2		8 0	159	
Gables ..	1	7 10 1/2		18 3	165	
Record room ..		4 1		13 3	55	
Gables ..	9	280 0		3 0	2,710	
Treasury ..		18 0		12 0	216	
Do. verandah ..	2	110 0		2 6	1,320	
Inspector's and arms' room ..		54 0		14 0	756	
Jail wards ..		42 0		14 0	588	
Do. gables ..	2	61 9		14 0	3,078	
Door jambs and soffits ..		278 0		15 0	3,355	
Do. ..	10	15 0		2 6	276	
Do. ..	17	20 0		1 6	310	
Do. ..	1	19 0		1 10 1/2	29	
Do. ..	8	20 0		1 6	300	
Arch ..	2	19 0		1 1/2	43	
Window ..	5	27 0		1 6	143	
Do. ..	6	20 0		1 10 1/2	51	
Ventilator jambs ..	2	16 0		1 10 1/2	225	
Do. ..	18	14 0		1 1/2	36	
Deductions—						
Doorways ..	2	12 0		1 6	488	
Do. ..	6	8 0		1 6		
Archway, square portion ..	32	4 0		8 0	1,024	
Do. semi-circular portion ..	9	4 0		7 6	270	
Windows ..	1	12 0		4 0	48	
Do. ..	1	56 6	Area.	4 0	57	
Do. ..	2	4 0		4 0	32	
Ventilators ..	6	4 0		5 6	144	
Do. ..	18	1 9		2 0	174	
Do. ..	7	4 0		2 0	96	
Square feet ..						1,805
Total, Squares ..						14,473
POINTING EXTERIOR.						
Court ..						144-73
Clerk's, sheristadar's, &c., rooms ..						
Property and private room ..						
Do. half gables ..		50 9		13 3	3,028	
Record room ..		177 9		7 6	467	
Do. gable ..	2	62 3		3 0	54	
Treasury and Inspector's, &c., rooms ..		9 0		12 0	1,212	
Do. inside parapet ..	1	101 0		5 8	54	
Jail wards ..		18 0		21 6	2,671	
Do. gables ..		124 3		5 0	346	
Basement all round ..		109 3		3 0	1,068	
Deduct—		179 0		2 0	1,218	
Doorways ..	2	18 0		2 0	612	
Do. ..		609 0		7 6	210	
Archway, square portion ..	16	4 0		4 0	48	
Do. semi-circular portion ..	7	4 0		4 0	57	
Windows ..	1	12 0		4 0	32	
Do. ..	1	56 6	Area.	5 0	144	
Do. ..	2	4 0		2 6	174	
Ventilators ..	6	4 0		2 0	96	
End wall, cashier's room ..	18	1 9		16 0	336	
Do. ..	7	4 0				
Do. ..	1	21 0				
Square feet ..						1,869
Total, Squares ..						9,987
Lead sheeting for roof valleys ..						99-37
Mouldings over windows for Inspector's and arms' room ..	6	184 0	1 6	276	Per foot lb. 5	lb. 1,850
		6 0			36	L. ft.

Estimate Form—Detail Measurements—cont.

Detail of work.	No.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
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 ..	2	382 0			1,146	
Panelled doors ..	2	222 0			444	
Wrought iron grated doors ..	2	406 0			812	
Batten shutters ..	2	195 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 ..						15,890
Total, Squares ..						154
Add extra labor in finishing bargeboards and finials ..					6 in number.	
Pankah 10 feet long ..					1 "	

ESTIMATE FORM—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
20,632 C. feet ..	Excavation for foundation ..	rs.	1,000 C. feet.	rs.	rs.
7,019 "	Concrete in foundation ..		100 C. feet.		
5,843 "	Brickwork in foundations ..		"		
3,422 "	Do. in basement ..		"		
16,182 "	Do. in superstructure ..		"		
535 "	Archwork ..		C. feet.		
118 "	Cut stonework ..		1,000 C. feet.		
10,090 "	Filling in basement ..		C. feet.		
1,185 "	Teakwood wrought and put up ..		Square feet.		
362 Sq. feet.	Venetian and panel doors with frames ..		"		
222 "	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 ..		"		
32 "	Venetian windows with frames and iron bars ..		"		
317 "	Battened do. do. ..		"		
56 "	Teak frames with iron bars for jail ventilators ..		lb. "		
558 lb.	Wrought iron work in trusses ..		Square.		
7-82 Squares.	Terrace roofing ..		"		
103 "	Tiled roofing with flat and pan tiles including teak reapers ..		"		
56-85 "	Flooring with 8-inch square pavement tiles ..		"		
16-90 "	Flooring record room and jail with asphalt 2 inch thick over a bed of concrete ..		"		
144-73 "	Plastering interior (two coats) ..		"		
99-37 "	Pointing exterior ..		lb. "		
1,380 lb.	Lead sheeting for roof valleys ..		L. feet.		
38 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 "	Pankah 10 feet long ..		"		
	Petty supervision ..		"		
	Contingencies ..		"		

MADRAS,
25th April 1887.(Signed) J. W. BRASSINGTON,
Offg. Consulting Architect to Government.

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" x 12" x 6" with mortice holes 2 inches square and 2 inches deep cut into them into which the verandah posts will be tenoned.

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 pukka 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.

CHEPÁK,
25th April 1887.

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

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 Chepák, 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. 2281, 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

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.

1536/7
Note

With reference to
the Hon. members note
on the attached G.O.,
the undersigned has
the honor to state that
the plan has been
returned to the Suply
Engineer - If desired,
it will be called
for.

Joh

1/4/87

Never mind, thanks
I do not remember
seeing this G.O.
in draft.

See for 1536/7
The original S.O. was sent
intituled by the Chief & Res.
Secy. that was not
there been sent to the Hon.

Kodaikanal. 28 May 1887.

No. 389 T.T.

D/281

From

M Col J. Pennington R2
The Superintending Engineer,
6th Circle.

To

The Chief Engineer
P. W. S.

Sir,

With reference to your memo No 569 S of 24 August 1886 and this office letter No 1210 T.T. of 13 November 1886, I have the honor to forward for your approval and return the plan of St. Joseph's College at Negapattanam showing the distribution of space for ^{the} general public offices. The Plan has been countersigned by all the heads of the Departments in token of their approval.

2. Sahsildars butchery has been proposed to be placed in an outbuilding attached to the College and an estimate amounting to Rs 4420 for adopting

ENCLOSURE 1.

P. L. M.

07029/15/11/86

the same to accommodate the Jail-
-dan, his establishment and sub-
-jail was prepared and sub-
-mitted for sanction of Government
through the Collector of Tanjore with
this office report No 184 T.P. dated
1st Instant.

3. The Executive Engineer
states that the alterations required
to accommodate the P. W. Division
office, have been executed on an
Estimate of Rs 189 sanctioned
by him.

4. An Estimate amounting
to Rs 1200 for adopting the portion
of the building to accommodate the
District Immof has been received
in this office and is now forwarded
for the sanction of Government,
through the District Judge of
Tanjore.

5. The Executive Engineer
is now engaged in framing
Estimates for each department

separately and they will be disposed
of as they are received and a report
sent to you when all the Estimates
are disposed of. 18/9

I have the honor to be
Sir

your most obedient servant.

J. B. J. L. S. V. E.
Sup^d Engineer, Tanjore.

P. W. D. 6TH CIRCLE.

From

The Superintending Engineer,

6th Circle.

To

The Chief Engineer

P. W. D.

No. 359 J.T.

Dated 25th } May 1887
Received }

Enclosure 1.

Submitted for approval
and return the plan
of St. Joseph's College
at her apartment
showing the distribu-
tion of space for
the several public
offices.

In 205 W 27-11-87
" 164 " 11-11-87
" 6570 " 28-12-86
" 4149 " 24-11-86
" 4070 " 18-11-86
" 37213722 " 23-10-86
" 5898 " 24-8-86
" 2668 " 18-6-86
" 2720 " 7-6-86
" 101201412024 " 27-5-86
" 1556 " 27-10-86

Approved.

The estimates
referred to in paras
2, 4 & 5 are wanted.

Wm
31-5-87

See
S.E. VI Circle
with plan returned
judicial sept 4
then sept 10

S.E. VI Circle

See
22/6
with plan returned
judicial sept 4
then sept 10

0-1-6-87

15/10

11059.

Govt. of (1887) Madras.

PUBLIC WORKS.

28/9/11

Recd 5/11

Dated

Recd.

Encl.

G.O., 10th June 1887, No. 1556 v

St. Joseph's college buildings
at Negapatnam
=

Plan showing the distribution
of space in the —
for the several public
offices, approved.

30

1/2

20c
11/6