(1) பக்கங்களின் எண்ணிக்கை 154

(2) புதுக்கித் திருப்பிய நாள் 30.10.91

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PWD துறை

42

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 2978

அச்சகம்
பலவகை

நாள் : 7-11-1891 198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

77 Sheets

ஆவண. கா-1—18,000—15-6-87.

2978/W1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

G.O., dated 5th January 1891, No. 8, Revenue.

Read—again the following paper :—

G O., dated 4th December 1890, Mis. No. 7466, Revenue.

Read—the following paper :—

Memorandum from the Public Works Department, dated 22nd November 1890, No. 4842 C.

ABSTRACT.—Transferring to the Revenue Department for consideration a note by the Chief Engineer, Public Works Department, on two rough plans and estimates for a Sub-Collector's and a Head Assistant Collector's quarters and also forwarding for perusal another note by the same officer with the remarks of the honorable member.

Order—

The notes of the Chief Engineer will be referred to the Board of Revenue for remarks.

Read—also the following paper :—

Proceedings of the Board of Revenue (Land Revenue), dated 12th December 1890, Mis. No. 7936, on G.O., dated 4th December 1890, Mis. No. 7466, Revenue.

Resolution—

The Board approves of the designs now prepared by the Chief Engineer with the following modifications :—

(*a*) One of the store rooms in each case should be converted into a bath room ; it will be easy to use it as a store room if a married man is not using the house.

(*b*) An additional stall in the stable and an additional room to the servants' building should be added for the Sub-Collector's house ; a Head Assistant may perhaps do with the accommodation provided, but a Sub-Collector, who will often be a married man and whose establishment and stud is larger, will need more room.

Order—dated 5th January 1891, No. 8, Revenue.

Transferred to the Public Works Department with the remark that the modifications suggested by the Board are suitable and should be adopted.

(True Extract.)

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

No. 122 C.

Forwarded to the Consulting Architect for preparation of type designs, schedules of quantities and descriptive specifications.

2. The Consulting Architect will doubtless be able to effect some improvements in the plans made in this office without materially adding to the cost at normal rates.

3. The modifications suggested by the Board of Revenue should be carried out. The return of these papers is requested.

(Signed) W. L. C. BADDELEY, Major, R.E.,
Under-Secy. to Govt., P.W.D.

From Captain W. M. ELLIS, R.E., Officiating Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 7th September 1891, No. 2233.

With reference to your No. 122 C., dated 12th January 1891, I have the honour to submit standard design for a residence for Head Assistant Collector with out-houses with specification and schedule of quantities amounting to Rs. 9,970 which has been prepared on the Presidency rates.

2. Design and estimate for a residence for Sub-Collector and the original papers received with your endorsement under reply will follow.

From H. IRWIN, Esq., C.I.E., Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 11th September 1891, No. 2306.

In continuation of this office No. 2233, dated 7th instant, I have the honour to submit standard design for a residence for Sub-Collector with out-houses with specification and schedule of quantities amounting to Rs. 11,610 which has been prepared on the Presidency rates.

2. The enclosures received with your memo. No. 122 C., dated 12th January 1891, are herewith returned.

G.O., dated 5th November 1891, No. 5709, Revenue.

Read—the following paper :—

Memorandum from the Public Works Department, dated 19th September 1891, No. 911 D.

ABSTRACT.—Forwarding for final approval type plans with estimates, &c., for Sub and Head Assistant Collectors' residences.

Order—dated 5th November 1891, No. 5709, Revenue.

The plans seem suitable and are approved.

2. It is observed that the cost of the design for the Head Assistant Collector's residence is slightly in excess of the limit prescribed by the rules, but the estimate of cost is based on rates obtaining in the Presidency town which will generally be higher than those prevailing in the mofussil and the actual cost will probably not exceed the limit prescribed in any case.

(True Extract.)

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

2978/82

ORDER—dated 7th November 1891, No. 2978 W., Public Works.

The type designs with descriptive specifications and schedules of quantities for Sub and Head Assistant Collectors' residences will be circulated to officers of the Public Works Department for information and guidance.

(True Extract.)

Major, R.E.,
Under-Secy. to Govt., P.W.D.

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

Exd. C. A Munisawmy.
Spare Copies

V

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated November 7th.

Recd. *Encl.*

G.O., 7th Nov. 1891, No. 2978 W.

NOVEMBER.

Sub and Head Assistant Collectors' Residences

Type designs with descriptive specifications and schedules of quantities for —, circulated to officers of the Public Works Department for information and guidance.

2978/3

Annexure to G.O., No. 2978 W., dated 7th November 1891.

STANDARD DESIGN FOR A RESIDENCE FOR HEAD ASSISTANT COLLECTOR WITH OUT-HOUSES ACCORDING TO SHEET Nos. I AND II SIGNED BY THE OFFICIATING CONSULTING ARCHITECT ON 5TH SEPTEMBER 1891.

TERRACED ROOFING.

Descriptive Specification.

Foundation.—A depth of 3 feet is provided in the quantities, but this should be settled locally in accordance with the nature of soil.

Walling.—The walls to be built in English bond, 2 bricks and 1½ bricks thick; where stone is cheap the foundations may be of rough stone.

Cutstone-work.—Stone slabs should be placed at the bearings of all beams. The steps may also be of stone if procurable without great expense.

Wood-work.—The beams and joists to be of well seasoned Burma teak. Couples and other timbers for the out-houses may be of approved country wood proof against white-ants.

Doors and windows.—The doors and windows to be of well seasoned Burma teakwood. All doors opening into verandahs will be of ⅓ panel and ⅔ venetians. Inner doors to be panelled throughout. The windows will be venetian shutters to open outwards. The ventilators will have teak panelled shutters to swing on side pivots; the bath rooms' ventilators will be similar, but glazed to admit light. Doors and windows for the out-houses will be of approved country wood proof against white-ants.

Cornice work.—A plain brick cornice is provided. Where Cuddapah or other similar slabs are available, a cornice similar to that shown on drawing and specified for offices for Sub-Collector, Head Assistant Collector or Deputy Collectors may be adopted.

Roofing.—The roofing will consist of "pucka terracing," care being taken that proper slopes are made for drainage towards the weep holes. The roofing for the out-houses will be covered with pantiles on teakwood reepers; if the quality of these are good, the usual unsightly "chunam bands" might be dispensed with.

Flooring.—The floor may be laid with square bricks on 4" concrete or stone slabs if the latter are easily procurable. Where the soil is damp, the space below the flooring should be filled with river sand. Portland cement flooring is provided for bath rooms and the flooring for the out-houses will be gravelled.

Interior and exterior finishing.—The interior walls will be fine plastered with shell lime and polished or plastered and whitewashed. Where good bricks or stone is obtainable, the exterior should be pointed. In damp soil the plinth and interior walls about 3 feet above floor level should also be plastered with cement.

The different kinds of work to be done will be executed in conformity with the standard specification of the Public Works Department.

(Signed) W. M. ELLIS, Captain, R.E.,
Offg. Consulting Architect to Government.

5th September 1891.

3

Estimate form—Detail measurements.

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Main Building.						
Excavation for foundation.						
Drawing and dining room walls	..	114 0	4 0	3 0	2,724	
Bed room walls	2	56 6	4 0	3 0		
Verandah outer walls	..	248 0	3 6	3 0	2,884	
Do. partitions	6	4 5½	3 6	3 0		
Steps	1	22 9	2 0	0 6	47	
	1	16 1½	2 0	0 6		
	2	3 10½	2 0	0 6		
Total, cubic feet	..	..	..	..	..	5,655
Concrete.						
Drawing and dining room walls	..	114 0	4 0	1 6	1,362	
Bed room walls	2	56 6	4 0	1 6		
Verandah outer walls	..	248 0	3 6	1 6	1,442	
Do. partitions	6	4 5½	3 6	1 6		
Steps	1	22 9	3 0	0 6	70	
	1	16 1½	3 0	0 6		
	2	3 10½	3 0	0 6		
Total, cubic feet	..	..	..	..	..	2,874
Brick-work in foundations and basement.						
Footing course—						
Drawing and dining room walls	..	114 0	2 3	1 6	385	
Bed room walls	2	58 3	2 3	1 6	393	
Verandah outer walls	..	248 0	1 10½	1 6	801	
Do. partitions	6	6 1½	1 10½	1 6		
Basement—						
Drawing and dining room walls	..	114 0	1 10½	2 0	867	
Bed room walls	2	58 7½	1 10½	2 0		
Verandah outer walls	..	248 0	1 6	2 0	861	
Do. partitions	6	6 6	1 6	2 0		
Steps, front	1	22 4½	3 0	0 6	34	
	1	20 4½	2 0	0 6	20	
	1	18 4½	1 0	0 6	9	
	1	15 9	3 0	0 6	24	
	1	13 9	2 0	0 6	14	
Do. rear	1	11 9	1 0	0 6	6	
	2	3 6	2 0	1 6	21	
Total, cubic feet	..	..	..	..	..	3,436
Brick-work in superstructure.						
Drawing and dining room walls	..	114 0	1 6	17 0	2,907	
Bed room walls	2	59 0	1 6	14 0	2,473	
Verandah outer walls	..	248 0	1 1½	11 0	3,069	
Do. partitions	6	6 10½	1 1½	10 0	465	
Extra thickness for basement cornice in verandah walls and piers	..	176 0	0 2¼	1 0	33	
String course	..	238 0	0 3	0 6	30	
Parapet walls over verandah	..	248 0	1 1½	1 0	279	
Do. drawing and dining rooms.	..	115 6	1 1½	1 3	330	
Do. bed rooms	2	59 9	1 1½	1 3		
Extra cornice for verandah	..	256 0	0 6	0 9	189	
Do. drawing and dining rooms	..	122 0	0 6	0 9		
Do. bed rooms	2	63 0	0 6	0 9	15	
Cornice over verandah arches and windows	..	243 6	0 3	0 3		
						9,795
Deductions—						
Verandah archways	21	5 6	1 1½	8 0	1,040	
Door ways	17	4 0	1 6	8 0	816	
	4	3 6	1 1½	6 6	102	
Windows	4	4 0	1 6	5 6	132	
	2	2 6	1 6	5 6	41	
	4	3 6	1 1½	5 0	79	
Ventilators	24	3 0	1 6	1 3	135	
	2	3 0	1 1½	1 3	8	
Lintels for ventilators	20	4 6	1 6	0 3	34	
Archwork as per details	..	..	..	..	471	
						2,858
Total, cubic feet	..	..	..	..	..	6,937

Estimate form—Detail measurements—*cont.*

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Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Archwork (Segmental).						
Verandah arches	21	7 6	1 1½	1 1½	199	
Over doors and windows	21	5 0	1 6	1 1½	177	
Over windows	2	3 6	1 6	1 1½	12	
Over doors and windows	8	4 6	1 1½	1 1½	46	
Over ventilators	4	4 0	1 6	1 1½	27	
	2	4 0	1 1½	1 1½	10	
Total, cubic feet	..	..	..	..	..	471
Stone-work.						
Slabs under beams	12	2 0	1 6	0 6	18	cub. ft. 18
Teakwood wrought and put up.						
In beams—						
Drawing and dining rooms	2	20 6	1 0	1 4	55	
Bed rooms	4	18 6	0 10	1 2	72	
Total, cubic feet	..	..	..	..	..	127
In Joists—						
Drawing and dining rooms—						
Central portion including halving at joints	13	12 4	0 3½	0 8	96	
Do. do. ends	26	12 11	0 3½	0 8		
Bed rooms, central portion	24	8 4	0 3	0 6	79	
Do. ends	48	8 11	0 3	0 6		
Verandah, bath and store room joists	133	8 4½	0 3	0 5		
Do. at angles	8	6 6	0 3	0 5	130	
Do. at ,,	8	5 0	0 3	0 5		
Do. at ,,	8	3 6	0 3	0 5		
Do. beams	8	2 0	0 3	0 5		
Do. ,, at angles	2	8 10½	0 4½	0 6	12	
Lintels for ventilators in bed rooms	4	11 9	0 4½	0 6		
	20	4 6	1 6	0 3	34	
Total, cubic feet	..	..	..	..	..	351
Teakwood doors ¼ panelled and ⅜ venetians including frames and iron fastenings, complete—						
Doors opening into verandahs	10	4 0	..	8 0	320	sq. ft. 320
Doors panelled throughout including frames and iron fastenings, complete—						
Between rooms	7	4 0	..	8 0	224	sq. ft. 224
Battened doors including frames and iron fastenings—						
For bath and store rooms	4	3 6	..	6 6	91	sq. ft. 91
Venetian window including frames and iron fastenings, complete—						
For bed rooms	4	4 0	..	5 6	88	
	2	2 6	..	5 6	28	
	4	3 6	..	5 0	70	
For bath and store rooms	..	..	..	..	..	sq. ft. 186
Total, square feet	..	..	..	..	..	
Ventilators with swing panelled shutters over side pivots includings frames, complete	24	3 0	..	1 6	108	sq. ft. 108
Ventilators with swing, glazed shutters over side pivots including frames, complete	2	3 0	..	1 6	9	sq. ft. 9
Teak panelled screen between drawing and dining rooms	1	10 0	..	7 0	70	sq. ft. 70
Terracing with brick on edge 3″ concrete and 3 coats of flat tiles fine plastered and polished above and at ceiling—						
Drawing and dining rooms	1	37 0	..	19 0	703	
Bed room	2	25 0	..	17 0	850	
Verandah and bath rooms	..	220 0	..	7 10½	1,733	
Total, square feet	..	..	..	..	..	3,286

Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Flooring with 8″ square bricks over a bed of concrete 4″ thick and pointing with cement—						
Drawing and dining rooms	1	36 0	..	18 0	648	
Bed room	2	24 0	..	16 0	768	
Verandahs	..	158 9	..	6 8½	1,061	
Do. archways	21	5 1½	..	1 6	161	
Door pieces	14	4 0	..	1 6	84	
Window recesses	4	4 0	..	0 9	12	
	2	2 6	..	0 9	4	
Total, square feet	..	..	..	..	..	2,738
Paving with 12″ square bricks—						
Steps, front	1	22 4½	..	3 0	67	
Do. rear	1	15 9	..	3 0	47	
	2	3 6	..	3 0	21	
Flooring with 12″ square bricks and pointing with cement, square feet	..	..	..	..	..	135
Flooring bath rooms and store rooms with cement 4″ thick laid paved with bricks laid flat in mortar plastered over with cement ½″ thick—						
Bath rooms	2	14 0	..	6 10½	193	
Store do.	2	12 0	..	6 10½	165	
Door pieces	4	3 6	..	1 0	14	
	3	4 0	..	1 0	12	
Total, square feet	..	..	..	..	..	384
Pointing Exterior.						
Verandah round outside	..	254 0	..	15 0	3,810	
Do. inside	..	345 0	..	10 0	3,450	
Clear storey.						
Dining room, front and rear	..	66 0	..	7 6	495	
Do. sides	2	27 0	..	4 6	558	
Bed rooms, front, rear and end	2	62 0	..	4 6	496	
Sides and soffits of verandah arches	21	21 0	..	1 1½		9,052
Deductions—						
Verandah arches	42	5 6	..	8 0	1,848	
Doors	10	4 0	..	8 0	320	
	4	3 6	..	5 6	91	
Windows	4	4 0	..	5 6	88	
	2	2 6	..	5 6	28	
	4	3 6	..	5 0	70	
Ventilators	26	3 0	..	1 6	117	2,562
Total, square feet	..	..	..	..	..	6,490
Plastering interior of rooms, &c., with two coats.						
Drawing rooms	..	108 0	..	16 0	1,728	
Bed rooms	2	80 0	..	13 0	2,080	
Bath rooms	2	41 9	..	10 0	835	
Do. and store	2	37 9	..	10 0	755	
Door jambs and soffits	17	20 6	..	1 6	523	
Do.	4	17 0	..	1 1½	77	
Window jambs, sides, sills and soffits	4	15 6	..	1 6	93	
Do.	2	14 0	..	1 6	42	
Do.	4	14 0	..	1 1½	63	
Window sills	4	4 0	..	0 9	12	
	2	2 6	..	0 9	4	
Do. recess sides	4	3 6	..	0 4½	5	
Do.	12	0 9	..	2 6	23	
Ventilators, sides, soffits and sills	8	9 4½	..	3 0	9	
	2	9 6	..	1 1½	21	
Do. sides and sills	4	9 6	..	1 6	57	
Inside and upper portion of parapet walls—	20	6 0	..	1 6	180	
For verandah	..	243 0	..	2 1½	527	
For rooms	..	235 0	..	2 4½	558	7,592

Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Plastering interior of rooms, &c., with two coats—cont.						
Deductions—						
For doors	24	4 0	..	8 0	768	
	4	3 6	..	6 6	91	
	4	4 0	..	5 6	88	
	2	2 6	..	5 6	28	
For windows	2	3 6	..	5 0	70	
	4	3 0	..	1 6	117	1,162
Ventilators	26	..	..	..	..	6,430
Total, square feet	..	..	..	..	..	
Wood oiling, three coats.						
Roof timbers.						
Drawing and dining room beams	2	18 0	..	3 8	132	
Do. joists	13	36 0	..	1 7½	761	
Bed room beams	4	16 0	..	3 2	203	
Joists	24	24 0	..	1 3	720	
Verandah and bath room joists	133	6 10½	..	1 1	1,103	
Do. at angles	..	104 0	..	1 1		
Verandah beams	2	6 10½	..	1 4½	71	
	4	9 6	..	1 4½		
	10	4 0	Times. 3	8 0	960	
Venetian and panel doors	7	4 0	2	8 0	448	
Panelled doors	4	4 0	3½	5 6	404	
Venetian windows	2	2 6	3½	5 6		
Total, square feet	..	..	..	..	..	4,802
Painting doors and windows, &c.			Times.			
Exposed to the weather—	4	3 6	2½	5 6	205	
Bath room doors	4	3 6	3½	5 0	245	
Do. windows	24	3 0	2½	1 6	243	
Ventilators	2	3 0	1	1 6	9	
Do. lintels	20	4 0	..	2 0	160	
Total, square feet	..	..	..	..	..	862
Filling in Basement.						
Drawing and dining room	1	35 7½	17 7½	1 6	942	
Bed rooms	2	23 7½	15 7½	1 6	369	
Verandahs	158 4½		6 6	1 6	1,544	
Bath rooms	..	13 7½	6 6	1 6	265	
Store do.	2	11 7½	6 6	1 6	226	
	2					
Total, cubic feet	..	..	..	..	..	3,346
Matting including leather binding—	1	36 0	18 0	..	648	
Dining and drawing rooms	2	24 0	16 0	..	768	
Bed rooms	..	..	..	..	..	1,416
Total, square feet	..	..	..	..	..	
Teakwood punkahs, 10 feet long, with brown holland fringes, brass wheels, hooks and other fittings including suspenders and pulling ropes, &c., complete	4	10 0	..	..	4	4 Rs. 10.
Wooden plugs for insertion in the wall for nailing pictures	L.S.		..	..	..	Sq. ft. 9·50
Gravelling	..	..	..	..	..	
Bamboo blinds including blue cloth tape, ropes, pullies, &c., complete—	21	5 6	..	9 0	1,039½	Sq. ft. 1,040.
For verandah archways	L.S.		..	..	..	Rs. 150.
Hedge and gate	L.S.		..	..	..	,, 100.
Road	L.S.		..	..	..	,, 400.
Well	L.S.		..	..	..	,, 40.
Clearing site, &c.						

Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Kitchens and Servants' quarters.						
Excavation and filling in basement.						
Wall all round	..	90 6	3 0	2 0	543	
Cross walls	..	8 6	2 7½	2 0	89	
Fireplace	2	2 6	1 6	1 0	8	
Steps	2	3 6	1 0	0 6	6	
Total, cubic feet	3 ..	..	..	..	..	646
Concrete.						
Wall all round	..	90 6	3 0	1 0	272	
Cross walls	..	8 6	2 7½	1 0	45	
Fireplace	2	2 6	1 6	1 0	8	
Steps	2	3 6	1 0	0 6	6	
Total, cubic feet	3 ..	..	..	..	..	331
Brick in mud for foundation and basement.						
Wall all round	..	90 6	2 3	1 0	204	
	..	90 6	1 10½	1 0	170	
Cross walls	2	9 3	1 10½	1 0	35	
Fireplace	2	9 7½	1 6	1 0	29	
Steps	2	2 6	1 6	1 0	8	
	3	3 0	1 0	0 6	5	
Total, cubic feet	..	..	..	..	..	451
Superstructure.						
Wall all round	..	90 6	1 6	8 0	1,086	
Cross walls	2	10 0	1 1½	8 6	191	
Gable ends	2	10 0	1 6	1 9	53	
	2	10 0	1 1½	1 9	39	
	1	10 0	2 6	2 0	50	
Fireplace pyal	1	10 0	1 6	0 9	11	
	2	2 6	0 9	6 0	23	
	2	0 9	0 9	5 0	6	
Do. chimney over roof	1	2 3	1 6	2 6	8	
Do. cap over chimney	1	2 9	2 0	0 9	4	
						1,471
Deductions—						
Doorways	3	3 0	1 6	6 0	81	
Windows	3	3 0	1 6	4 0	54	
Arches under pyal	2	3 0	2 6	1 0	15	
	2	4 0	2 6	0 9	15	
Arch-work	3	4 0	1 6	1 3	23	
	3	4 0	1 6	1 3	23	
						211
Total, cubic feet	..	..	..	..	..	1,260
Arch-work, brick in chunam.						
Doorways	3	4 0	1 6	1 3	23	
Windows	3	4 0	1 6	1 3	23	
Arch under pyal	2	4 0	2 6	0 9	15	
Arch in front of fireplace	1	8 6	0 9	0 9	5	
Do. over do.	1	10 6	2 6	1 3	33	
Total, cubic feet	..	..	..	..	..	99
Cornice work for gable ends	2	16 0	..	..	32	R. ft. 32
Plastering inside.						
Rooms including gables	3	40 0	..	9 6	1,140	
Jambs and soffits of doorways	3	15 0	..	1 6	68	
Do. windows	3	14 0	..	1 6	63	
Do. arch under fireplace	2	3 6	2 6	..	18	
Do. do. in front do.	1	12 6	0 9	..	9	
Do. do. do.	1	9 6	1 9	..	17	
						1,315

2928/9

Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Deduction—	3	3 0	..	6 0	54	
Doorways	3	3 0	..	4 0	36	90
Windows						
Total, square feet	..	..	..	..	..	1,225
Whitewashing two coats.						
Same as above	..	..	..	..	1,225	1,225 Sq. ft.
Pointing outside.						
	..	96 6	..	7 6	724	
All round outside	2	13 0	..	2 0	52	
Gable ends	..	98 0	..	1 3	123	
Basement all round	1	7 6	..	2 6	19	
Around chimney over roof	1	2 9	2 0	..	6	
Cap over do.						924
	3	3 0	..	6 0	54	
Deduction—	3	3 0	..	4 0	36	
Doorways						90
Windows						
Total, square feet	..	..	..	..	..	834
Woodwork.						
	42	10 0	0 3	0 4	35	
Rafters for couples	21	6 6	0 3	0 4	11	
Collar pieces	2	33 0	0 4	0 2	4	
Wall plates						50
Total cubic feet of jungle wood wrought and put up	..	..	..	..	..	
Roofing.						
	2	36 9	10 0	..	735	
Over three rooms	1	2 3	1 6	..	3	
Deduct—						
Space of chimney						732
Total, square feet	..	..	..	..	..	
Flooring.						
	3	10 0	10 0	..	300	
Servants' quarters and kitchen	3	2 6	1 6	..	11	
Deduct—						
Fire place						289
Total, square feet	..	..	..	..	..	
Doors and Windows.						
	3	3 0	..	6 0	54	
Doors	3	3 0	..	4 0	36	
Windows						
Total cubic feet of jungle wood batten doors and windows	..	..	..	..	..	90
Coach-house and Stables.						
Excavation and filling in basement.						
	1	54 0	3 0	3 6	567	
Coach-house	1	28 6	3 0	2 0	171	
Rear wall of stables	1	12 0	3 0	2 0	72	
Side wall	2	3 0	3 0	2 0	36	
Pillars	2	8 6	2 0	2 0	68	
Partition walls						914
Total, cubic feet	..	..	..	..	..	
Concrete.						
	1	54 0	3 0	1 6	243	
Coach-house	1	28 6	3 0	1 0	86	
Rear wall of stables	1	12 0	3 0	1 0	36	
Side wall	2	3 0	3 0	1 0	18	
Pillars	2	8 6	2 0	1 0	34	
Partition wall						417
Total, cubic feet	..	..	..	..	..	

Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	3	6	7
Brick in Mud.						
Foundation and basement.						
Coach-house	1	54 0	2 3	2 0	243	
Do.	1	54 0	1 10½	1 0	101	
Rear wall of stables	1	28 6	2 3	1 0	64	
Do. do.	1	28 6	1 10½	1 0	53	
Side wall	1	12 0	2 3	1 0	27	
Do.	1	12 0	1 10½	1 0	23	
Partition walls	2	9 3	1 3	1 0	23	
Do.	2	9 7½	1 0	1 0	19	
Total, cubic feet	..	..	..	..	..	553
Superstructure.						
Coach-house	..	54 0	1 6	11 0	891	
Gable ends	2	10 0	1 6	1 9	53	
Rear wall of stables	1	28 6	1 6	8 0	342	
Side wall of do.	1	12 0	1 6	8 6	153	
Gables	1	12 0	1 6	2 0	36	
Partition walls	2	10 6	0 9	5 0	79	
						1,554
Deduction—						
Archway to coach-house	1	7 0	1 6	5 6	58	
Circular portion	1	19 3	Area	1 6	29	
Archwork	1	13 4½	1 6	1 6	30	
						117
Total, cubic feet	..	..	..	..	..	1,437
Brick in chunam.						
Pillars	2	2 3	2 3	1 0	10	
	2	1 10½	1 10½	1 0	7	
Do. above	2	1 6	1 6	7 6	34	
Total, cubic feet	..	..	..	..	..	51
Archwork.						
Brick in chunam	..	..	..	..	30	30
Cornice work.						
For gable ends	3	16 0	..	..	48	
Total, running feet	..	..	..	..	..	48
Plastering inside.						
Coach-house	1	48 0	..	11 0	528	
Gable ends	2	10 0	..	1 9	35	
Rear wall of stables	..	25 6	..	8 6	217	
Do. over partition wall	2	0 9	..	3 6	5	
Side walls	2	12 0	..	14 0	336	
Partition walls	2	8 6	..	10 9	183	
Jambs and soffits of archways	..	22 0	1 6	..	33	
						1,337
Deduction—						
Archway rectangular portion	1	7 0	..	5 6	39	
In coach-house semicircular portion	1	19 3	Area.	..	19	
						58
Total, square feet	..	..	..	..	..	1,279
Whitewashing two coats.						
Same as above	..	..	..	..	..	1,279 sq. ft.
Pointing outside.						
Coach-house wall	..	46 6	..	10 0	465	
Gable ends	2	13 0	..	2 0	52	
Basement to do.	..	47 4½	..	1 3	59	
Rear wall of stables	1	28 6	..	8 0	228	
Side wall of do.	1	13 6	..	8 0	108	
Gable ends	1	13 6	..	1 9	24	
Pillars	2	4 6	..	7 6	68	
Do.	1	1 6	..	7 6	11	
Basement	..	34 1½	..	1 3	43	
						1,058

Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Deduction—	1	7 0	..	5 6	39	
Archway	1	19 3	Area.	..	19	58
Total, square feet	..	..	..	..	..	1,000
Wood-work.						
Rafters for couples to coach-houses	11	10 0	0 3	0 4	9 2 0	
	9	8 6	0 3	0 4	6 4 6	
	10	7 6	0 3	0 4	6 3 0	
Collar pieces do.	2	15 0	0 4	0 2"	1 8 0	
Wall plates	1	30 0	0 5	0 7	7 3 6	
Bressummer to stables	1	28 0	0 4	0 2	1 6 8	
Wall plates to do.	38	10 0	0 3	0 4	31 8 0	
Rafters for couples	19	8 0	0 3	0 4	12 8 0	
Collar pieces	1	4 6	0 3	0 4	0 4 6	
Ridge do.	2	5 0	0 3	0 4	0 10 0	
Valley rafters	4	3 0	0 3	0 4	1 0 0	
Jack do.						
Total, cubic feet	..	..	..	..	78 10 2	or 79
Roofing.	2	18 6	10 3	..	379	
Coach-house	2	29 3	10 3	..	600	
Stables						
Square feet	..	..	..	..	..	979
Flooring.	1	14 0	10 0	..	140	
Coach-house	3	10 6	10 6	..	331	
Stables	3	8 0	1 6	..	36	
Between pillars	3	8 0	8 0	..	192	
Ramps in front of stalls	1	7 0	4 0	..	28	
Do. do. coach-house						
Total, square feet	..	..	..	..	..	727
Iron hinges 4" diameter to be leaded in a stone block and firmly fixed in the ground for tying horses	3	..	..	..	3	No. 3
Bamboos 3" diameter and 9½' long, 2 to each stalls	6	..	..	..	6	No. 6

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
	Main building.	Rs. A. P.		Rs.	Rs.
5,655 C. ft.	Excavation for foundation	4 10 0	1,000 C. ft.	26	
2,874 ,,	Concrete	14 0 0	100 ,,	402	
3,435 ,,	Foundation and basement with stock bricks in chunam	19 8 0	,,	670	
	do. do. do.	20 8 0	,,	1,422	
6,937 ,,	Superstructure with do. do.	23 8 0	,,	111	
471 ,,	Archwork with	2 0 0	C. ft.	36	
18 ,,	Cut-stone work	3 12 0	,,	476	
127 ,,	Teakwood, wrought and put up for beams	3 8 0	,,	1,228	
351 ,,	Do. do. and do. for joists				
320 Sq. ft.	Pairs of teakwood doors ½ panel and ½ venetians including frames 3½" × 5", hinges, hooks, locks and other fittings, complete	1 1 0	Sq. ft.	340	
224 ,,	Pairs of teakwood panel doors including frames 3½" × 5" hinges and other fittings, complete	0 14 0	,,	196	
91 ,,	Pairs of teak batten doors including frames 3½" × 5" and other iron fittings, complete	0 15 0	,,	85	
186 ,,	Pairs of teak venetian windows including frames 3½" × 5" hinges, hooks, bolts and other fittings, complete	1 2 0	,,	209	
108 ,,	Teak ventilators with swing panelled shutters over side pivots including frames and pulling ropes, &c., complete	1 3 6	,,	132	
9 ,,	Teak ventilators with swing glazed shutters over side pivots including frames, &c.	1 2 0	,,	10	

Estimate form—Abstract—*cont.*

Quantity.	Description of work.	Rate.	Per.	Amount.	Total.
1	2	3	4	5	6
	Main buildings—cont.	Rs. A. P.		Rs.	Rs.
70 Sq. ft.	Teak panelled screen complete between dining and drawing rooms	1 0 0	Sq. ft.	70	
3,286 ,,	Terracing with brick on edge jelly 3" thick, 3 courses of flat tiles and 3 coats of plastering on top and ceilings	27 0 0	100 Sq. ft.	887	
2,738 ,,	Flooring with 8" square bricks in chunam over a bed of concrete 4" thick and pointing with Portland cement	11 14 0	Sq. ft.	325	
135 ,,	Paving the steps with 12' square bricks and pointing with Portland cement	9 12 0	,,	13	
384 ,,	Flooring with concrete 4" thick laid paved with bricks, flat, in mortar and then plastered over with Portland cement ½" thick	12 12 0			
6,490 ,,	Pointing with cement outside	2 0 0	,,	49	
6,430 ,,	Plastering with 2 coats of chunam polished inside.	2 8 0	,,	130	
4,802 ,,	Wood oiling 3 coats to inner doors and roof timbers.	1 2 0	,,	161	
862 ,,	Painting doors and windows exposed to the weather with 3 coats of Carson's oak paint ..	2 12 0	,,	54	
3,346 C. ft.	Filling in basement with earth ..	2 5 0	1,000 C. ft.	24	
1,416 Sq. ft.	Matting including leather binding	6 0 0	100 Sq. ft.	8	
4 No.	Teakwood punkahs 10' long with brown holland fringes, brass wheels, hooks and other fittings including suspenders and pulling ropes, &c., complete	20 0 0	Each.	85	
	Teakwood plugs for insertion in the wall for nailing pictures, &c.	..	..	80	
950 Sq. ft.	Gravelling 3" thick	1 10 0	100 Sq. ft.	10	
1,040 ,,	Bamboo blinds including blue cloth, iron hooks, rings, tape, ropes, pullies, &c., complete ..	0 1 6	Sq. ft.	15	
	Hedge and gate	..	..	95	
	Forming new roads	..	..	150	
	Sinking a well	..	..	100	
	Clearing site	..	..	400	
	Kitchen and Servants' quarters.	..	..	40	
646 C. ft.	Excavation and filling in basement ..	4 10 0	1,000 C. ft.	3	
331 ,,	Concrete	14 0 0	100 ,,	46	
451 ,,	Foundation and basement country bricks in mud ..	12 0 0	,,	54	
1,260 ,,	Superstructure do. do. ..	12 8 0	,,	158	
99 ,,	Archwork brick in chunam	19 5 0	,,	18	
32 R. ft.	Cornice work	0 3 0	R. ft.	6	
1,270 Sq. ft.	Plastering with 1 coat of chunam	1 9 0	100 Sq. ft.	20	
1,270 ,,	Whitewashing 2 coats	0 2 6	,,	2	
834 ,,	Pointing with cement	2 0 0	,,	17	
50 C. ft.	Jungle wood, wrought and put up	2 0 0	C. ft.	100	
732 Sq. ft.	Roofing with teak reepers, pantiles and chunam borders, complete	11 8 0	100 Sq. ft.	84	
289 ,,	Flooring with gravel 4" thick well watered and rammed	2 3 0	,,	6	
90 ,,	Junglewood batten doors and windows with frames and iron fastenings, complete	0 8 6	Sq. ft.	48	562
	Coach-house and Stables.				
914 C. ft.	Excavation and filling in basement ..	4 10 0	1,000 C. ft.	4	
417 ,,	Concrete	14 0 0	100 ,,	58	
553 ,,	Foundation and basement country bricks in mud ..	12 0 0	,,	66	
1,437 ,,	Superstructure do. do. ..	12 8 0	,,	180	
51 ,,	Country bricks in chunam	17 0 0	,,	9	
30 ,,	Archwork do.	19 5 0	,,	6	
48 R. ft.	Cornice work do.	0 3 0	R. ft.	9	
1,279 Sq. ft.	Plastering with 1 coat of chunam	1 9 0	100 Sq. ft.	20	
1,279 ,,	Whitewashing 2 coats	0 2 6	,,	2	
1,000 ,,	Pointing with cement outside	2 0 0	,,	20	
79 C. ft.	Junglewood wrought and put up	2 0 0	C. ft.	158	
979 Sq. ft.	Roofing with teak reepers, nails, pantiles and chunam borders, complete	11 8 0	100 Sq. ft.	113	
727 ,,	Flooring with gravel 4" thick well watered and rammed	2 3 0	,,	16	
3 No.	Iron rings 4" diameter to be leaded in a stone block and firmly fixed in the ground for tying horses	2 0 0	..	6	
6 ,,	Bamboos 3" diameter and 9½' long	0 8 0	..	3	670
					9,274
	Contingencies at 5 per cent.	..	..	464	
	Petty supervision at 2½ per cent.	..	..	232	
					696
	Grand total of estimate ..	..	..	..	9,970

STANDARD DESIGN FOR A RESIDENCE FOR SUB-COLLECTOR WITH OUT-HOUSES ACCORDING TO SHEETS NOS. I AND II SIGNED BY THE OFFICIATING CONSULTING ARCHITECT ON 10TH SEPTEMBER 1891.

TERRACED ROOFING.

Descriptive Specification.

Foundation.—A depth of 3 feet is provided in the quantities, but this should be settled locally in accordance with the nature of soil.

Walling.—The walls to be built in English bond 2 bricks and 1½ bricks thick, where stone is cheap the foundations may be of rough stone.

Cutstone-work.—Stone slabs should be placed at the bearings of all beams. The steps may also be of stone if procurable without great expense.

Wood-work.—The beams and joists to be of well seasoned Burma teak. Couples and other timbers for the out-houses may be of approved country wood proof against white-ants.

Doors and windows.—The doors and windows to be of well seasoned Burma teak wood. All doors opening into verandahs will be of ⅓ panel and ⅔ venetians. Inner doors to be panelled throughout. The windows will be venetian, shutters to open outwards. The ventilators will have teak panelled shutters to swing on side pivots, the bath rooms ventilators will be similar, but glazed to admit light. Doors and windows for the out-houses will be of approved country wood proof against white-ants.

Cornice work.—A plain brick cornice is provided. Where Cuddapah or other similar slabs are available a cornice similar to that shown on drawing and specified for offices for Sub-Collectors, Head Assistant Collectors or Deputy Collectors may be adopted.

Roofing.—The roofing will consist of "pucka terracing," care being taken that proper slopes are made for drainage towards the weep holes. The roofing for the out-houses will be covered with pantiles on teakwood reepers; if the quality of these are good, the usual unsightly "chunam bands" might be dispensed with.

Flooring.—The floor may be laid with square bricks on 4" concrete or stone slabs if the latter are easily procurable. Where the soil is damp, the space below the flooring should be filled with river sand. Portland cement flooring is provided for bath rooms, and the flooring for the out-houses will be gravelled.

Interior and exterior finishing.—The interior walls will be fine plastered with shell lime and polished or plastered and whitewashed. Where good bricks or stone is obtainable the exterior should be pointed. In damp soil the plinth and interior walls, about 3 feet above the floor level, should also be plastered with cement.

The different kinds of work to be done will be executed in conformity with the standard specification of the Public Works Department.

(Signed) W. M. ELLIS, Captain, R.E.,
Offg. Consulting Architect to Government.

10th September 1891.

Estimate form—Detail measurements.

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Main building.						
Excavation for foundation.						
Drawing and dining room walls	..	122 0	4 0	3 0	1,464	
Bed and dining rooms walls	2	70 0	4 0	3 0	1,680	
Partition walls to do.	2	15 6	4 0	3 0	372	
Verandah outer walls	..	265 6	3 6	3 0	2,785	
Do. partitions	6	4 5½	3 6	3 0	280	
Steps	1	23 0	2 0	0 6	23	
	1	16 6	2 0	0 6	17	
	2	4 0	2 0	0 6	8	
Total, cubic feet ..	..	..	..	..	..	6,632
Concrete.						
Dining and drawing room walls	..	122 0	4 0	1 6	732	
Bed and dressing rooms walls	2	70 0	4 0	1 6	840	
Partition walls to do.	2	15 6	4 0	1 6	186	
Verandah outer walls	..	265 6	3 6	1 6	1,394	
Do. partitions	6	4 5½	3 6	1 6	140	
Steps	1	23 0	3 0	0 6	35	
	1	16 6	3 0	0 6	25	
	2	4 0	3 0	0 6	12	
Total, cubic feet ..	..	..	..	..	..	3,364
Brickwork in foundation and basement.						
Footing course—						
Drawing and dining room walls	..	122 0	2 3	1 6	412	
Bed and dressing room walls	2	71 9	2 3	1 6	484	
Partition walls to do.	2	17 3	2 3	1 6	116	
Verandah outer walls	..	265 6	1 10½	1 6	747	
Do. partitions	6	6 1½	1 10½	1 6	103	
Basement—						
Drawing and dining room walls	..	122 0	1 10½	2 0	458	
Bed and dining room walls	2	72 1½	1 10½	2 0	541	
Partition walls to do.	2	17 7½	1 10½	2 0	132	
Verandah outer walls	..	265 6	1 6	2 0	797	
Do. partitions	6	6 6	1 6	2 0	117	
Steps	1	22 6	3 0	0 6	34	
	1	20 6	2 0	0 6	21	
	1	18 6	1 0	0 6	9	
	1	15 0	3 0	0 6	24	
	1	14 0	2 0	0 6	14	
	1	12 0	1 0	0 6	6	
	2	3 6	2 0	1 6	21	
Total, cubic feet ..	..	..	..	..	..	4,036
Brick in chunam.						
Superstructure.						
Drawing and dining room walls	..	122 0	1 6	17 0	3,111	
Bed and dressing rooms walls	2	72 6	1 6	14 0	3,045	
Partition walls to do.	2	18 0	1 6	13 0	702	
Verandah outer walls	..	265 6	1 1½	11 0	3,286	
Do. partitions	6	6 10½	1 1½	10 0	464	
String course	..	91 0	0 2¼	1 0	205	
Parapet walls over drawing and dining rooms.	..	255 0	0 3	0 6	32	
Do. bed and dressing rooms ..	..	122 6	1 1½	1 3	174	
Do. verandah	2	73 3	1 1½	1 3	206	
Exterior cornice for drawing and dining rooms.	..	265 6	1 1½	1 0	299	
Do. bed and dressing rooms ..	..	130 0	0 6	0 9	49	
Do. verandah	2	76 6	0 6	0 9	57	
Projection over verandah arches and windows.	..	272 4½	0 6	0 9	102	
Deduction—	..	251 0	0 3	0 3	16	
Verandah archways	23	5 6	1 1½	8 0	1,139	
Doorways	2	2 6	1 1½	8 0	45	
Windows	18	4 0	1 6	8 0	864	
Ventilators	4	3 6	1 1½	6 6	103	
	8	4 0	1 6	5 6	264	
	4	3 6	1 1½	5 0	79	
	28	3 0	1 6	1 3	158	
	2	3 0	1 1½	1 3	8	
						11,745

Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Deduction—*cont.*	24	4 6	1 6	0 3	41	
Lintels for ventilators	..	..	..	..	531	3,232
Arch-work as per details	..	..	..	..	..	8,516
Net, cubic feet ..						
Arch-work.	23	7 6	1 1½	1 1½	218	
Verandah arches	2	4 0	1 1½	1 1½	10	
	18	5 0	1 6	1 1½	152	
Door ways	4	4 6	1 1½	1 1½	23	
	8	5 0	1 6	1 1½	68	
Windows	4	4 6	1 1½	1 1½	23	
	4	4 0	1 6	1 1½	27	
Ventilators	2	4 0	1 1½	1 1½	10	
Total, cubic feet ..	..	..	..	..	..	531
Cuttstone.						
Slabs under beams	10	2 0	1 6	0 6	15	15 sq. ft.
Teakwood, wrought, and put up.						
Beams to drawing and dining rooms ..	3	20 6	1 0	1 4	82	
Do. to bed rooms	2	20 6	1 0	1 4	55	
Total, cubic feet ..	..	..	..	..	..	137
Teakwood.						
Joists to drawing and dining rooms, central portion, including halving at ends ..	26	10 4	0 3	0 6½	36 4 7	
Joists to drawing and dining rooms, central portion, including halving at ends ..	26	10 11	0 3	0 6½	38 5 3	
Joists to bed rooms	52	10 11	0 3	0 9½	76 10 5	
Do. to dressing rooms	26	13 6	0 3½	0 8	68 3 0	
Do. to verandah, bath and store rooms ..	143	8 4½	0 3	0 5	124 9 0	
Do. at angles	8	6 6	0 3	0 5	5 5 0	
Joists at angles of verandah	8	5 0	0 3	0 5	4 2 0	
	8	3 6	0 3	0 5	2 11 0	
	8	2 0	0 3	0 5	1 8 0	
Beams at angles of verandah	2	8 10½	0 4½	0 6	3 4 0	
Do at angles	4	11 9	0 4½	0 6	8 9 0	
Lintels for ventilators	24	4 6	1 6	0 3	40 6 0	
Total, cubic feet ..	..	..	..	..	411 5 3	
	..	..	..	..	..	411½
Teakwood doors ⅓ panelled and ⅔ venetian including frames and iron fastenings complete, opening into verandahs	10	4 0	..	8 0	320	320 sq. ft.
Teakwood doors panelled throughout including frames and iron fastenings complete—between rooms	8	4 0	..	8 0	256	256 sq. ft.
Teakwood batten doors with frames and iron fastening for bath and store rooms ..	4	3 6	..	6 6	91	91 sq. ft.
Venetion windows including frames and iron fastenings complete—						
Bed rooms	8	4 0	..	5 6	176	
Bath and store rooms	4	3 6	..	5 0	70	
Total, square feet ..	..	..	..	..	..	246
Ventilators with swing panelled shutters over side pivots including frames, complete ..	28	3 0	..	1 3	105	105 sq. ft.
Ventilators with glazed shutters over side pivots including frames, complete ..	2	3 0	..	1 3	8	8 sq. ft.
Teak panelled screen between drawing and dining rooms	1	10 0	..	7 0	70	70 sq. ft.

Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Terracing with brick on edge 3" concrete, three courses of flat tiles anu three coats of plastering on top and ceiling—						
Drawing and dining rooms	1	41 0	19 0	..	779	
Bed and dressing rooms	2	34 6	19 0	..	1,311	
Verandahs, bath and store rooms	..	234 3	7 10½	..	1,845	
Total, square feet	..	..	..	..	..	3,935
Flooring with 8" square bricks over a bed of concrete 4" thick and pointing witk cement—						
Drawing and dining rooms	1	40 0	18 0	..	720	
Bed rooms	2	20 0	18 0	..	720	
Dressing rooms	2	12 0	18 0	..	432	
Verandahs	..	233 3	6 8½	..	1,560	
Do. archways	23	5 1½	1 6	..	176	
Do. do.	2	2 1½	1 6	..	6	
Doorways	16	4 0	1 2	..	75	
Window recesses	8	4 0	0 9	..	24	
Total, [square feet]	..	..	..	..	..	3,713
Paving with 12" square bricks and pointing with cement—						
Steps	1	22 6	3 0	..	68	
	1	16 0	3 0	..	48	
	2	3 6	3 0	..	21	
Total, square feet	..	..	..	..	..	137
Flooring with cement ½" thick on 4" concrete—						
Bath rooms	2	14 0	6 10½	..	193	
Store rooms	2	12 0	6 10½	..	165	
Doorways	2	4 0	1 2	..	9	
Do.	4	3 6	1 0	..	14	
Total, square feet	..	..	..	..	..	381
Pointing exterior.						
Verandah all round	..	270 0	..	15 0	4,050	
Do. inside	..	377 0	..	10 0	3,770	
Clear story—					413	
Drawing and dining rooms, front and rear	..	55 0	..	7 6	329	
Do. do. sides	2	36 6	..	4 6	680	
Bed and dressing rooms, front, rear and ends.	2	75 6	..	4 6	543	
Jambs and soffits of verandah arches	23	21 0	..	1 1½	41	9,826
	2	18 0	..			
Deductions—						
Verandah arches	46	5 6	1 1½	8 0	2,277	
	4	2 6	1 1½	8 0	90	
Doorways	10	4 0	..	8 0	320	
	4	3 6	..	6 6	91	
Windows	8	4 0	..	5 6	176	
	4	3 6	..	5 0	70	
Ventilators	30	3 0	..	1 3	113	3,137
Total, square feet	..	..	..	..	..	6,689
Pointing interior.						
Drawing and dining rooms	..	116 0	..	16 0	1,856	
Bed rooms	2	76 0	..	13 0	1,976	
Dressing rooms	2	60 0	..	13 0	1,560	
Bath rooms	2	41 9	..	10 0	835	
Store rooms	2	37 9	..	10 0	755	
Jambs and soffits of doorways	18	20 0	..	1 6	540	

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Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Plastering interior—cont.						
Jambs and soffits of doorways	4	16 6	..	1 1½	74	
	8	15 0	..	1 6	180	
Do. of windows	4	13 6	..	1 1½	61	
	8	4 0	..	0 9	24	
Window sills	4	3 6	..	0 4½	5	
	16	0 9	..	2 6	30	
Window recesses, sides	4	0 4½	..	3 0	5	
	4	8 6	..	1 6	51	
Ventilators sides, soffits and sills	2	8 6	..	1 1½	19	
	24	5 6	..	1 6	198	
Do. sides and sills	..					
Inside and upper portion, parapet walls.						
For verandah	..	265 6	..	2 1½	564	
,, drawing and dining rooms	..	123 6	..	2 4½	293	
,, bed and dressing rooms	2	73 3	..	2 4½	348	9,374
Deductions—						
	26	4 0	..	8 0	832	
Doorways	4	3 6	..	6 6	91	
	8	4 0	..	5 6	176	
	4	3 6	..	5 0	70	
Windows	30	3 0	..	1 3	113	1,282
Ventilators	..	..	..	..	..	8,092
Total, square feet						
Wood-oiling, three coats.						
Beams to drawing and dining rooms	3	18 0	..	3 8	198	
Do. bed rooms	2	18 0	..	3 8	132	
Joists to drawing rooms	13	40 0	..	1 4	693	
Do. to bed rooms	26	20 0	..	1 4	693	
Do. to dressing rooms	26	12 0	..	1 7½	507	
Do. to verandah, bath and store rooms	143	6 10½	..	1 1	1,065	
Do. at angles	..	104 0	..	1 1	113	
Beams	2	6 10½	..	1 4½	19	
Do. at angles	4	9 6	..	1 4½	52	
			Times.			
Panel and venetian doors	10	4 0	3	8 0	960	
Panelled doors	8	4 0	2½	8 0	576	
Venetian windows	8	4 0	3½	5 6	616	
Panelled screens	1	10 0	2	7 0	140	
Total, square feet	..	..	..	..	..	5,764
Painting doors and windows and exposed to the weather.			Times.			
Bath room doors	4	3 6	2½	6 6	205	
Do. windows	4	3 6	3½	5 0	245	
Ventilators	30	3 0	2½	1 3	253	
Do. lintels	24	3 0	..	2 0	144	
Total, square feet	..	..	..	..	..	847
Filling in basement.						
Drawing and dining rooms	1	39 7½	17 7½	1 6	1,048	
Bed rooms	2	19 7½	17 7½	1 6	1,038	
Dressing rooms	2	11 7½	17 7½	1 6	615	
Bath rooms	2	13 7½	6 6	1 6	266	
Store rooms	2	11 7½	6 6	1 6	227	
Verandahs	..	283 0	6 6	1 6	2,730	
Total, cubic feet	..	..	..	..	..	5,924
Matting, including leather binding.						
Dining and dressing rooms	1	40 0	18 0	..	720	
Bed rooms	2	20 0	18 0	..	720	
Dressing rooms	2	12 0	18 0	..	432	
Total, square feet	..	..	..	..	..	1,872
Wooden plugs for insertion in the wall for nailing pictures, &c.	Lump sum	..	..	..	..	Rs. 10
Gravelling	..	..	..	..	950	950 sq. ft.

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Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Bamboo blinds including blue cloth, tape, ropes, pullies, &c., complete.						
For verandah archway	23	5 6	..	9 0	1,139	
	* 2	2 6	..	9 0	45	
Total, square feet	..	..	..	..	..	1,184
Hedge and gate			L.S.			Rs. 150
Road			L.S.			,, 100
Sinking a well			L.S.			,, 400
Clearing site, &c.			L.S.			,, 40
Teakwood punkahs, 10 feet long with brown holland fringes, brass wheels, hooks and other fittings including suspenders and pulling ropes, &c., complete	4	10 0	..	..	4	4 No.
KITCHEN AND SERVANTS' QUARTERS.						
Excavation and filling in basement.						
Wall all round	..	112 9	3 0	2 0	677	
Cross walls	3	8 6	2 7½	2 0	134	
Fire places	2	2 6	1 6	1 0	8	
Steps	4	3 6	1 0	0 6	7	
Total, cubic feet	..	..	..	..	..	826
Concrete—						
Wall all round	..	112 9	3 0	1 0	338	
Cross walls	3	8 6	2 7½	1 0	67	
Fire place	2	2 6	1 6	1 0	8	
Steps	4	3 6	1 0	0 6	7	
Total, cubic feet	..	..	..	..	..	420
Brick in mud for foundation and basement.						
Wall all round	..	112 9	2 3	1 0	254	
	..	112 9	1 10½	1 0	211	
Cross walls	3	9 3	1 10½	1 0	52	
	3	9 7½	1 6	1 0	43	
Fire place	2	2 6	1 6	1 0	8	
Steps	4	3 0	1 0	0 6	6	
Total, cubic feet	..	..	..	..	..	574
Superstructure—						
Wall all round	..	112 9	1 6	8 0	1,353	
Cross walls	3	10 0	1 1½	8 6	287	
Gables	2	10 0	1 6	1 9	53	
	3	10 0	1 1½	1 9	59	
Fire place pyal	1	10 0	2 6	2 0	50	
	1	10 0	1 6	0 9	11	
Do. chimney over roof	2	2 6	0 9	6 0	23	
Do. cap over chimney	2	0 9	0 9	5 0	6	
	1	2 3	1 6	2 6	8	
	1	2 9	2 0	0 9	4	
Deduction—						1,854
Doorways	4	3 0	1 6	6 0	108	
Windows	4	3 0	1 6	4 0	72	
Arches under pyal	2	3 0	2 6	1 0	15	
Archwork pyal	2	4 0	2 6	0 9	15	
Do. doors	4	4 0	1 6	1 3	30	
Do. windows	4	4 0	1 6	1 3	30	270
Total, cubic feet	..	..	..	..	..	1,584
Arch-work.						
Doorways	4	4 0	1 6	1 3	30	
Windows	4	4 0	1 6	1 3	30	
Arch under pyal	2	4 0	2 6	0 9	15	
Do. in front of fire place	1	8 6	0 9	1 3	5	
Do. over fire place	1	10 6	2 6		33	
Total, arch-work	..	..	..	..	..	113 cub. ft.
Cornice work for gable ends	2	16 0	..	..	32	32 R. ft.

Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Plastering inside.						
Rooms	4	40 0	..	8 6	1360	
Gables	8	10 0	..	1 9	140	
Jambs and soffits of doorways	4	15 0	..	1 6	90	
Jambs and soffits of windows	4	14 0	..	1 6	84	
Do. archways under fireplace	2	3 6	2 6	..	18	
Do. do. in front fireplace	1	12 6	0 9	..	9	
Do. do.	1	9 6	1 9	..	17	
						1718
Deduction—	4	3 0	..	6 0	72	
Doorways	4	3 0	..	4 0	48	
Windows						120
Total, square feet	..	..	..	..	..	1598
Whitewashing, square feet	..	..	..	..	..	1598
Pointing outside.						
All around outside	..	112 9	..	7 6	846	
Gable ends	2	13 0	..	2 0	52	
Basement all round	..	114 3	..	1 3	143	
Around chimney over roof	1	7 6	..	2 6	19	
Cap over chimney	1	2 9	2 0	..	6	
						1,066
Deduction—	4	3 0	..	6 0	72	
Doorways	4	3 0	..	4 0	48	120
Windows						946
Total, square feet	..	..	..	..	..	
Woodwork.						
Rafters for couples	56	10 0	0 3	0 4	46 8 0	
Collar pieces	28	6 6	0 3	0 4	15 2 0	
Wall plates	2	43 0	0 4	0 2	4 9 4	
Total, cubic feet	..	..	..	..	66 7 4	or 67 c. ft.
Roofing.	2	47 10½	10 0	..	958	
Over four rooms	1	2 3	1 0	..	3	
Deduct space of chimney						955
Net, square feet	..	..	..	..	..	
Flooring.	4	10 0	10 0	..	400	
Servants' quarters and kitchens						
Deduct—	3	2 6	1 6	..	11	
Fireplace						389 s. ft.
Doors and windows.	4	3 0	..	6 0	72	
Doors	4	3 0	..	4 0	48	
Windows						
Total, square feet	..	..	..	..	..	120
COACH-HOUSE AND STABLES.						
Excavation and filling in basement.						
Coach-house	1	54 0	3 0	3 6	567	
Rear wall of stables	1	38 0	3 0	2 0	228	
Side walls	1	12 0	3 0	2 0	72	
Pillars	3	3 0	3 0	2 0	54	
Partition walls	3	8 6	2 0	2 0	102	
Total, cubic feet	..	..	..	..	..	1023
Concrete.	1	54 0	3 0	1 6	243	
Coach-house	1	38 0	3 0	1 0	114	
Rear wall of stables	1	12 0	3 0	1 0	36	
Side wall	3	3 0	3 0	1 0	27	
Pillars	3	8 6	2 0	1 0	51	
Partition walls						
Total, cubic feet	..	..	..	..	..	471

Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Brick in mud.						
Foundation and basement.						
Coach-house	1	54 0	2 3	2 0	243	
Rear wall of stables	1	54 0	1 10½	1 0	101	
	1	38 0	2 3	1 0	86	
	1	38 0	1 10½	1 6	71	
Side wall	1	12 0	2 3	1 0	27	
	1	12 0	1 10½	1 0	23	
Partition walls	3	9 3	1 3	1 0	35	
	3	9 7½	1 0	1 0	29	
Total, cubic feet	..	..	..	..	..	615
Superstructure.						
Coach-house	1	54 0	1 6	11 0	891	
Gable ends	2	10 0	1 6	1 9	53	
Rear wall of stables	1	38 0	1 0	8 0	456	
Side wall do.	1	12 0	1 6	8 6	153	
Gables	1	12 0	1 6	2 0	36	
Partition walls	3	10 6	0 9	5 0	118	
						1,707
Deduction—						
Archway to coach-house	1	7 0	1 6	5 6	58	
Circular portion	1	19 3	area.	1 6	29	
Archwork	1	13 4½	1 6	1 6	30	
						117
Total, cubic feet	..	..	..	..	..	1,590
Brick in chunam.						
Pillars	3	2 3	2 3	1 0	15	
Do. above	3	1 10½	1 10½	1 0	11	
	3	1 6	1 6	7 6	51	
Total, cubic feet	..	..	..	..	..	77
Archwork, brick in chunam	..	..	..	..	30	30 c. ft.
Cornice work for gable ends	3	16 0	..	..	48	48 r. ft.
Plastering inside.						
Coach-house	1	48 0	..	11 0	528	
Gable ends	2	10 0	..	1 9	35	
Rear wall of stables		34 3	..	8 6	291	
Do. over partition walls	..	3 0 9	..	3 6	8	
Side walls	2	12 0	..	14 0	336	
Partition walls	3	8 6	..	10 9	274	
Jambs and soffits of archways	0	22 0	1 6	..	3	
						1,505
Deduction—						
Archway	1	7 0	..	5 6	39	
Semi-circular portion	1	19 3	area.	..	19	58
						1,447
Total, square feet, plastering	..	..	..	..	..	1,447
Total, whitewashing, two coats	..	..	..	..	..	
Pointing outside.						
Coach-house wall				10 0	465	
Gable ends	1	46 6	..	2 0	52	
Basement to gable ends	2	13 0	..	1 3	59	
Rear wall of stables	0	47 4½	..	8 0	394	
Side walls do.	1	38 0	..	8 0	108	
Gable ends	1	13 6	..	1 9	24	
	1	13 6	..	7 6	101	
Pillars	3	4 6	..	7 6	11	
Basement	1	1 6	..	1 3	54	
	0	43 7½	..			1,178
Deduction—						
Archway	1	7 0	..	5 6	39	
Semi-circular portion	1	19 3	area.	..	19	58
Total, square feet	..	..	..	..	..	1,120

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Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Woodwork.						
Rafters for couples to coach-house	11	10 0	0 3	0 4	9 2 0	
	9	8 6	0 3	0 4	6 4 6	
	10	7 6	0 3	0 4	6 3 0	
Collar pieces	2	15 0	0 4	0 2	1 8 0	
Wall plates	1	40 3	0 5	0 7	9 9 5	
Breast summers to stables	1	38 0	0 4	0 2	2 1 4	
Wall plates to stables	50	10 0	0 3	0 4	41 8 0	
Rafters for couples	25	8 9	0 3	0 4	16 8 0	
Collar pieces	1	4 6	0 3	0 4	0 4 6	
Ridge pieces	2	5 0	0 3	0 4	0 10 0	
Valley rafters	4	3 0	0 3	0 4	1 0 0	
Jack rafters						
Total, cubic feet of jungle wood wrought and put up	..	..	..	..	95 10 9	96 c. ft.
Roofing.						
Coach-house	2	18 6	10 6	..	389	
Stables	2	38 9	10 6	..	814	
Total, square feet	..	..	..	..	..	1,203
Flooring.						
Coach-house	1	14 0	10 0	..	140	
Stables	4	10 6	10 6	..	441	
Between pillars	4	8 0	1 6	..	48	
Ramps in front of stables	4	8 0	8 0	..	256	
Do. coach-house	1	7 0	4 0	..	28	
Total, square feet	..	..	..	..	..	913
Iron rings, 4 inches diameter, to be leaded in a stone block and firmly fixed in the ground for tying horses	..	..	..	..	..	4 No.
Bamboos, 3 inches diameter and 9½ feet long, 2 to each stall	..	..	..	..	..	8 No.

Estimate form—Abstract.

Quantity.	Description of work.	Rate. Rs. A. P.	Per	Amount. Rs.	Total. Rs.
1	2	3	4	5	6
	Main building.				
	Excavation for foundation	4 10 0	1,000 C. ft.	31	
6,632 C. ft.	Concrete	14 0 0	100 ,,	471	
3,364 ,,	Foundation and basement with stock bricks in chunam	19 8 0	,,	787	
4,036 ,,	Superstructure with stock bricks in chunam	20 8 0	,,	1,746	
	Archwork with chunam	23 8 0	,,	125	
8,516 ,,	Cut stonework	2 0 0	C. ft.	30	
531 ,,	Teakwood, wrought and put up for large beams	3 12 0	,,	514	
15 ,,	Do. do. for small joists	3 8 0	,,	1,440	
137 ,,	Pairs of teakwood doors, ¼ panel and ⅜ venetians, including frames 3½″ × 5″ hinges, hooks, looks and other fittings complete				
411½ ,,					
320 Sq. ft.		1 1 0	Sq. ft.	340	
256 ,,	Pairs of teakwood panel doors including frames 3½″ × 5 hinges and other fittings complete	0 14 0	,,	224	
91 ,,	Pairs of teak batten doors including frames 3½″ × 5″ hinges and other fittings complete	0 15 0	,,	85	
246 ,,	Pairs of teak venetian windows including frames 3½″ × 5″ hinges, hooks, bolts and other fittings complete	1 2 0	,,	277	
105 ,,	Teak venetian with swing panelled shutters over side pivots including frames and pulling ropes, &c., complete	1 3 6	,,	128	

Estimate form—Abstract—*cont.*

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
	Main buildings—cont.	RS. A. P.		RS.	RS.
8 Sq. ft	Teak ventilators with swing glazed shutters over side pinots including frames, &c.	1 2 0	Sq. ft.	9	
70 ,,	Teak panelled screens complete between dining and drawing rooms	1 0 0	,,	70	
3,935 ,,	Terracing with brick on edge, jelly, 3" thick, 3 courses of flat tiles and 3 coats of plastering on top and ceiling	27 0 0	100 Sq. ft.	1,062	
3,713 ,,	Flooring with 8" square bricks in chunam over a bed of concrete, 4" thick, and pointing with Portland cement	11 14 0	,,	441	
137 ,,	Paving the steps with 12" square bricks and pointing with Portland cement	9 12 0	,,	13	
381 ,,	Flooring with concrete, 4" thick laid, paved with bricks flat in mortar and then plastered over with Portland cement, ½ inch thick	12 12 0	,,	48	
6,689 ,,	Pointing with cement outside	2 0 0	,,	134	
8,092 ,,	Plastering with 2 coats of chunam polished inside	2 8 0	,,	202	
5,764 ,,	Woodoiling, 3 coats to inner doors and roof timbers	1 2 0	,,	65	
847 ,,	Painting doors and windows far exposed to the weather with 3 coats of Carson's oak paint ..	2 12 0	,,	23	
5,924 C. ft.	Filling in basement with earth	2 5 0	1,000 C. ft	14	
1,872 Sq. ft.	Matting, including leather binding	6 0 0	100 Sq. ft.	112	
4 No.	Teakwood punkahs, 10" long, with brown holand fringes, brass wheels, hooks & other fittings, including suspenders and pulling ropes, &c., complete	20 0 0	each.	80	
..	Teakwood plugs for insertion in the wall for nailing pictures, &c.	..	,,	10	
950 Sq. ft.	Gravelling 3" thick	1 10 0	100 Sq. ft.	15	
1,184 ,,	Bamboo blinds, including blue cloth, iron hooks, rings tape, ropes, pullies, &., complete ..	0 1 6	,,	111	
..	Hedge and gate	..	,,	150	
..	Forming new roads	..	,,	100	
..	Sinking a well	..	,,	400	
..	Cleaning site, &c	..	,,	40	
					9,297
	Kitchen and servants' quarters.				
826 C. ft.	Excavation and filling in basement	4 10 0	1,000 C. ft.	4	
420 ,,	Concrete	14 0 0	100 ,,	59	
574 ,,	Foundation and basement, country bricks in mud.	12 0 0	..	69	
1,584 ,,	Superstructure do. do ..	12 8 0	..	198	
113 ,,	Archwork, brick in chunam	19 5 0	..	22	
32 R. ft.	Cornice work	0 3 0	R. ft.	6	
1,598 Sq. ft.	Plastering with1 coat of chunam	1 9 0	100 Sq. ft.	25	
1,598 ,,	Whitewashing 2 coats	0 2 6	..	3	
946 ,,	Painting with cement	2 0 0	..	19	
67 C. ft.	Jungle wood, wrought and put up	2 0 0	C. ft.	134	
955 Sq. ft.	Roofing with teak reepers, pantiles and chunam borders complete	11 8 0	100 Sq. ft.	110	
389 ,,	Flooring with gravel, 4" thick	2 3 0	..	9	
120 ,,	Jungle wood batten doors and windows with frames and iron fastenings complete	0 8 6	Sq. ft.	64	
					722
	Coach-house and stables.				
1,023 C. ft.	Excavation and filling in basement	4 10 0	1,000 C. ft.	5	
471 ,,	Concrete	14 0 0	100 ,,	66	
615 ,,	Foundation and basement, country bricks in mud.	12 0 0	..	74	
1,590 ,,	Superstructure do. do. ..	12 8 0	..	199	
77 ,,	Country bricks in chunam	17 0 0	..	13	
30 ,,	Archwork do.	19 5 0	..	6	
48 R. ft.	Cornice work do.	0 3 0	R. ft.	9	
1,447 Sq. ft.	Plastering with 1 coat of chunam	1 9 0	100 Sq. ft.	23	
1,447 ,,	Witewashing 2 coats of do.	0 2 6	..	2	
1,120 ,,	Pointing with cement outside	2 0 0	..	22	
96 C. ft.	Junglewood, wrought and put up	2 0 0	C. ft.	192	
1,203 Sq. ft.	Roofing with teak reepers, nails, pantiles and chunam borders complete	11 8 0	100 Sq. ft.	138	
913 ,,	Flooring with gravel, 4" thick, well watered and rammed	2 3 0	..	20	

Estimate form—Abstract—*cont.*

Quantity.	Description of work.	Rate.	Per	Amouut.	Total.
1	2	3	4	5	6
	Coach-house and stables—cont.	RS. A. P.		RS.	RS.
4 No.	Iron rings, 4" diameter, to be leaded in a stone block and firmly fixed in the ground for tying horses	2 0 0	each	8	
8 ,,	Bamboos, 3" diameter and 9½ feet long, including fixing	0 8 0	..	4	781
					10,800
	Contingencies at 5 per cent.	..	..	..	540
	Petty supervision at 2½ per cent.	..	..	..	270
	Grand Total ..	..	..	..	11,610

Standard Design for a Residence
for Sub Collector with out houses according
to sheets Nos I VII signed by the Offg
Consulting Architect on 10th September 1917.

Terraced roofing 2878/14

Descriptive Specification.

Foundation — A depth of 3 feet is provided
in the quantities, but this should
be settled locally in accordance
with the nature of soil.

Walling — The walls to be built in English
bond 2 bricks and ½ bricks thick,
where stone is cheap the foundations
may be of rough stone.

Cut stone work — Stone slabs should be placed
at the bearings of all beams. The steps
may also be of stone, if procurable
without great expense.

Wood work — The beams and joists to be of
well seasoned Burma teak. Couples
& other timbers for the out houses may
be of approved country wood proof
against white ants.

Doors and Windows — The doors and windows
to be of well seasoned Burma teak and

AA

All doors opening into Verandahs will be of ½ panel and ½ Venetians. Inner doors to be panelled throughout. The windows will be Venetian shutters to open outwards. The Ventilators will have teak panelled shutters to swing on side pivots the bath rooms ventilators will be similar but glazed to admit light. Doors and Windows for the Outhouses will be of approved country wood proof against white ants.

Cornice work. — A plain brick Cornice is provided, where Cuddapah or other similar slabs are available a Cornice similar to that shown on Drawing and specified for office for Sub Collectors, Head Assistant Collectors or Deputy's Collectors, may be adopted. Cornice work

The roofing will consist of "pucka tiraing" care being taken that proper slopes are made for drainage towards the weep holes. The roofing for the out houses will be covered with panties on teak wood rafters; if

if the quality of these are good, the usual unsightly "chenam lands might be dispensed with 2978/15

Flooring — The floor may be laid with square bricks on 4" Concrete, or stone slabs, if the latter are easily procurable. Where the soil is damp, the space below the flooring should be filled with river sand. Pavkand Cement flooring is provided for Bath rooms, and the flooring for the outhouses will be gravelled.

Interior & Exterior finishing — The interior walls will be fine plastered with shell lime and polished or plastered and whitewashed. Where good bricks or stone is obtainable the exterior should be painted. In damp soil the plinth and interior walls about 3 feet above the floor level should also be plastered with cement.

The different kinds of work to be done will be executed in conformity with the Standard

Specification

Specification of the Public Works Department

[illegible] Captain AE

Offg Consulting architect to Govt

10th Septr/91.

Pw 8/17 9673/90

Rev 3549/[illegible]

[...]nd 1075.]

P. W. D. Form. No. M 204.

SUPERINTENDING ENGINEER [illegible] 1 - FEB 1912

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Length. (Measurements in Feet)	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Main Building						2978/16
Excavating foundation & filling in						
Front long l wall of Beds & Centre rooms	1	56-0	5-0	3-0	840-	
Rear do do	1	56-0	5-0	3-0	840-	
Sides of Centre room	2	32-6	5-0	3-0	975	
Ends of Bed rooms	2	24-0	5-0	3-0	720	
Cross walls of Bath and Store rooms	6	5-0	3-6	3-0	315	
Verandah all round	1	247½	3-6	3-0	2599-	
Steps large (15½×12)	-	27-6	2-3	0-6	31-	
Do small	2	3-6	2-3	0-6	8-	
Total c ft						6328
Concrete broken stone in chunam						
Front long l wall of rooms	1	56-0	5-0	1-0	280-	
Rear do do	1	56-0	5-0	1-0	280-	
Sides of centre room	2	32-6	5-0	1-0	325	
Ends of Bed rooms	2	24-0	5-0	1-0	240-	
Cross walls of Bath and Store rooms	[illegible]	5-0	3-6	1-0	105-	
Verandah all round	1	247½	3-6	1-0	866-	
Steps large		27-6	3-6	0-6	48-	
Do small	2	3-6	3-6	0-6	12	
Total c ft						2156
Rough stone in chunam						
Foundations						
Front long l wall of rooms	1	56-0	3-0	2-0	336	
Rear do do	1	56-0	3-0	2-0	336	
Carried over					672	

ESTIMATE F… all Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Quantity of each description of Work.
Foundations contd. Brought forward					672	
Sides of Centre room	2	32-6	3-0	2-0	390	
Ends of Bed rooms	2	24-0	3-0	2-0	288	
Cross walls of bath and Store rooms	2	5-6	2-6	2-0	55	
Verandah all round	1	247½	2-6	2-0	1237	
Total foundation C/ft						2642
Basement story in Chuna						
Front long wall of rooms	1	56-	2-0	2-0	224	
Rear do do	1	56-	2-0	2-0	224	
Sides of centre room	2	33-0	2-0	2-0	264	
Ends of bed rooms	2	24-0	2-0	2-0	192	
Cross walls of bath and Store rooms	6	6-6	2-0	2-0	156	
Verandah all round	1	247½	2-0	2-0	990	
Total basement C/ft						2050
Superstructure in Chuna						
Front & rear walls of Centre room	2	21½	1-6	16-6	1040	
Side walls of do do	2	36-0	1-6	16-6	1782	
Do of bed room	2	24-0	1-6	12-6	896	
Front & rear walls of bed rooms	4	17-6	1-6	12-6	1313	
Cross walls of bath and Store rooms	6	6-10½	1-6	12-6	464	
Sides & rear walls of do do	2	27-6	1-6	10-6	717	
Pillars in the Verandah	16	1-6	1-6	8-0	288	
Parapet walls on terrace roofs	1	235	1-3	7-0	294	
Carried over					6794	

W. D. Code. Paras. 1074 and 1075.]

P. W. D. Form. No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Brought forward					6794	2728/17
Deductions						
Doors large	14	4-0	1-6	7-6	630	
Do small	6	3-6	1-6	6-0	142	
~~Do Do~~	~~4~~	~~3-6~~	~~1-6~~	~~5-0~~		
Windows large	4	3-6	1-6	5-0	105	
Do Do	2	2-0	1-6	5-0	60	
Do Do	4	3-0	1-½	4-0	54	
Attic windows to bath rooms	2	3-0	1-½	1-6	10.	
Clear story lights to rooms	10	3-6	1-6	1-6	79	
Flat arch work over doors (large)	14	5-0	1-6	1-6	158	
Do Do small	6	4-6	1-½	1-6	46	
Do Do Do						
Do Do over large windows	4	4-6	1-6	1-6	41-	
Do Do small	2	2-9	1-6	1-6	12-	
Do Do Do	4	4-0	1-½	1-6	27-	
Do Do attic windows	2	3-9	1-½	1-½	9-	
Do Do Clear story lights	10	4-1	1-6	1-6	101	
Total deductions C/ft					1474	
Total superstructure C/ft					5320	
Total foundation, basement & superstructure C/ft						10012
Brick in Chuna						
Total deduct the same quantity as deducted above					C/ft	374

ESTIMATE FORM. d Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Cut stone for Steps		10½	1-0	0-6	Cft	52-
Coping all round brick in Chunam with plastering					Rft	264-
Plastering in & outside of the walls with 2 coats of Chunam						
Centre room inside	-	108	-	16-0	1728	
Bed rooms do	2	80	-	12-0	1920	
Bath rooms do	2	12-	-	8-0	672	
Store do do	2	36-	-	8-0	576	
Gables & do	6×2	8-0	-	2-0	192	
Outside of centre room above low terrace	1	120-	-	4-0	480	
Do of Centre room below Bengal terrace	1	45	-	11-	495	
Do of bed rooms	2	36-6	-	11-	803	
Do of bath & store rooms	2	56-0	-	8	896	
Do of rear verandah c.c. rear of centre & bed rooms	1	27-6	-	11	303	
Basement all round	1	224-	-	2	448	
Pillars all round	16	6-	-	8	768	
Sides & soffits of doors windows, clear story lights & attic windows	37				599	
Total Sft					9880	
Deductions.						
Doors large bath sides	2×4	4-0	-	7-6	240	
Do small Do Do	2×6	3-6	-	6-0	252	
Do Do Do						
					1092	

Carried over

[P. W. D. Code. Paras. 1074 and 1075.]

P. W. D. Form. No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Brought forward					1092	2878/18
Deductions Cont'd						
Windows large both sides	2×4	2-6	-	5-0	140	
Do small do	2×2	2-0	-	5-0	40	
Do Do Do	2×4	3-0	-	4-0	96	
Clear story lights do	2×10	7-6	-	1-6	53	
Attic windows do	2×2	3-0	-	1-6	18	
Total deductions Sft					1439	
Total less deductions Sft						8441
Flooring with 4" of concrete & plastered with Chunam						
Centre room	1	35-6	17-6	-	621	
Bed rooms	2	23-6	15-6	-	728	
Bath rooms	2	13-6	6-3	-	169	
Store rooms	2	11-6	6-3	-	144	
Sides & front Verandahs	-	132-6	6-3	-	828	
Rear verandahs		27-6	6-3	-	172	
Total Sft						2662
Terracing.						
Centre room	1	37-6	19-6	-	731	
Bed rooms	2	25-6	17-6	-	893	
Total Sft						1624
Bengal terracing to Verandah all round including bath & store rooms	1	233-	10-0	-	2330	
Total Sft						2330

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Main Building				
6328	Excavating foundation & filling in	4	C ft 1000	25	
2156	Concrete broken stone in Chunam	11--	100	237	
10012	Rough stone in Chunam	15-8	-	1552	
394	Inlat arch work brick in chunam	26--	-	102	
52	Cutcha work for steps	2--	C ft	104	
264	Coursing all round	-9--	R ft	149	
8441	Plastering with Chunam 2 coats	3---	Sq	253	
2662	Flooring with 4" concrete & plastered with chunam	7---	"	186	
1624	Terracing with brick on edge 3 courses of flat bricks 3' of brick Jelly & 3 coats of plastic	30--	"	487	
2330	Bengal terracing including teak Rafters	17-8	-	408	
461	Teak wood wrought & putty	4---	C ft	1844	
546	Doors 1/3 panel & 2/3 Venetian	1-8	Sft	819	
138	Windows Venetian	1-8	"	207	
62	Clear story lights	1-10	-	101	
3700	Wood ceiling roof timbers	24--	Sq	83	
1865	Varnishing doors & windows	2-8	-	47	
126	Screen door between dining and drawing rooms	-12	Sft	95	
1416	Matting including leather binding	5-8	Sq	78	
	Gravelling	—	-	19	
	Clearing site	—	-	40	
	Grand Total of Estimate ..				6836

2928 / 20

STATION _____

Dated _____ 18

Executive Engineer.

20,000—5-8-89.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Teak wood wrought & fixing.						
Beams in Centre room	2	20-0	0-10	1-3	41-10	✓
Do in Bed rooms—	2	18-0	0-9	1-2	31-6	✓
Joists in Centre room	36	12-6	0-3	0-6	56-3	✓
Do in Bed rooms	2×24	12-6	0-3	0-6	75-0	✓
Wallplates to Centre room	1	116-0	0-4	0-3	9-6	✓
Do to Bed rooms	2	61-0	0-4	0-3	10-2	✓
Breasummers to Libis & front Verandahs	1	153-0	0-6	0-9	57-4	✓
Do to rear Verandahs	1	29-0	0-6	0-9	10-10	✓
Rafters to Bengal terrace	106	11-0	0-3	0-4½	109-4	✓
Jack rafters at hips and valleys.	80	6-0	0-3	0-4½	45-0	✓
Hips & Valley rafters	8	15-0	0-3	0-5½	13-9	✓
Total c/f						460-
Doors—						
Large doors 1/3 panels & 2/3 venetian	14	11-0	-	7-6	420	
Small do do do	6	3-6	-	6-0		
Do Do to Bath & Store rooms	6	3-6	-	6-0	126	
Total s/f						54
Windows						
Windows large Venetianed	4	3-6	-	5-0	70	
Do Small do	2	2-0	-	5-0	20	
Do Do Do	4	3-0	-	4-0	48	
Clear story lights.	10	3-6	-	1-6	53	
Attic windows	2	3-0	-	1-6	9	
Total s/f						199
Wood oiling roof trusses				Total s/f		3700
Varnishing doors & windows				Total s/f		

[P. W. D. Code. Paras. 1074 and 1076.]

P. W. D. Form. No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Screen door in the Centre room between Dining & Dining room	1	18-	-	7-0	126	126 s/f.
Matting to Centre room	1	36-0	18-0	-	648	
Do to Bed rooms	2	24-0	16-0	-	768	
Total s/f						1416
Granolithic						19 ☐
~~Border~~ ladder						~~100 ☐~~
~~Hire~~ Do Belongs of Materials						~~30 ☐~~
Cleaning site						40 ☐
Pandals	4	@ 16 ☐				64 ☐
Hedge & gate						150 ☐
Road						100 ☐
Land compensation						13 ☐
Contingencies @ 4 per cent						
Petty Supervision @ 2½ per cent						

REFERENCE TO MADRAS P. W. D. CODE,
EDITION OF 1886.

PARAS. 921, 932, &c., 949, 952—955, 962—964.

P. W. D. FORM.
No. M 207.

CIRCLE—

DIVISION—

DISTRICT—

TALUK—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which
the work forms part—

Section—

Name of Work—

Amount of Estimate—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
				6836	
4	Pumicahs	16 -	Each	64	
	Hedge & gate	-	-	150	
	Road	-	-	100	
	Land compensation	-	-	13	
				7163	
	Contingencies @ 4%	-	-	287	
	Petty supervision @ 2½ %	-	-	180	
	Main Building			Rs	7630
	Kitchen & Servants quarters as allowed for sub collector			Rs	566
	Stables & coach house as allowed for sub collector			Rs	660
	Grand Total			Rs	8856

Sub Collectors residence Rs 10446
Head asst Collectors do Rs 8856
Less Rs 1590

Grand Total of Estimate ..

STATION _____
Dated _____ 18

Executive Engineer.

20,000—5-8-89.

Estd
17-11-90.

Reference to Madras P. W. D. Code,
Edition of 1886.
Paras. 921, 932, &c., 949, 952—955, 962—964.

P. W. D. Form,
No. [illegible]97.

Circle—

Division—

District—

Taluk—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which
the work forms part—

Section—

Name of Work— Residence and Kitchen for Head Asst Collector

Amount of Estimate— Rs 8,856-

To be carried out by—

REFERENCES.

Rev 13/9021 of 90 13/part 2741/90

Rev 11/8460 of 90

[P. W. D. Code. Paras. 1074 and 1076.]

P. W. D. Form.
No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Main Building						2925/22
Excavating foundation & filling in						
Front longl. wall of rooms	1	73-0	5-0	3-0	1095-	
Rear — do — do — do	1	60-0	5-0	3-0	900	
Sides of Centre room —	2	30-0	5-0	3-0	900	
Ends of Bed & dressing rooms	2	33-6	5-0	3-0	1005-	
Cross walls of do do	2	14-6	5-0	3-0	435-	
— Do — of bath & Store do	6	5-0	3-6	3-0	315	
Verandah all round —	1	264 / ~~219~~	3-6 / 8-0	3-0	2772	
Steps Large —		28-6	2-3	0-6	32	
— Do Small —	2	3-6	2-3	0-6	8	
Total c/ft						7462 ×
Concrete broken stone in Chunam						
Front long. wall of rooms	1	73-0	5-0	1-0	365	
Rear — do — do — do	1	60-0	5-0	1-0	300	
Sides of Centre room	2	30-0	5-0	1-0	300	
Ends of Bed & dressing room	2	33-6	5-0	1-0	335	
Cross walls of — do do	2	14-6	5-0	1-0	145	
— Do of bath & Store do	6	5-0	3-6	1-0	105	
Verandah all round —	1	264 / ~~219~~	3-6 / 8-0	1-0	924	
Steps large		28-6	3-6	0-6	50	
— Do small —	2	3-6	3-6	0-6	12	
Total c/ft						2536 ×
Rough stone in chunam Foundations						
Front long. wall of rooms	1	73-0	3-0	2-0	438	
Rear — do — do — do	1	60-0	3-0	2-0	360	
Carried over c/ft					798	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Foundations Contd Brought forward C/ft					798	
Ends of Centre room	2	32-0	3-0	2-0	384	
Ends of Bed & dressing rooms	2	33-6	3-0	2-0	402	
Cross walls of do do	2	16-6	3-0	2-0	198	
Do of bath & store do	6	5-6	2-6	2-0	165	
Verandah all round	1	264	2-6		1320	
		~~264~~	3-0	2-0	~~1584~~	
Basement Total foundation C/ft					~~3441~~	32.67
Front longl wall of rooms	1	73-	2-0	2-0	292	
Rear do of do	1	60.	2-0	2-0	240	
Sides of Centre room	2	33-0	2-0	2-0	264	
Ends of Bed & dressing do	2	33-6	2-0	2-0	268	
Cross walls of do do	2	17-6	2-0	2-0	140	
Do of bath & store do	6	6-6	2-0	2-0	156	
Verandah all round	1	264			1056	
		249	2-0	2-0	996	
~~steps large~~						2416
~~Do small~~ Total basement C/ft					~~2356~~	2356
Superstructure						
Front & rear wall of Centre room	2	21-0	1-6	16-6	1040	
Sides walls of do do	2	40-0	1-6	16-6	1980	
Side wall of Bed & dressing room	2	36-6	1-6	17-6	1368	
				16-0	1807	
Front Centre & rear walls of do	6	18-0	1-6	12-6	2025	
Do to bath & Store room including gable walls	6	6-10½	1-1½	10-0	464	
Sides & rear of bath & Store rooms	2	37-6	1-1½	8-6	717	
Pillars	18	1-6	1-6	8-0	324	
Parapet wall on terrace roofs	-	261	1-0	1-0	326	
Carried over Total C/ft					8883	

[P. W. D. Code. Paras. 1074 and 1075.]

P. W. D. Form No. M 204.

3

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Brought forward C/ft					8883	
Deductions						
Doors large	14	4-0	1-6	7-6	630	
Do small	2	3-6	1-6	7-0	74	
Windows large do	6	3-6	1-½	6-8	~~205~~	
Do small do	4	3-6	1-6	5-0	105	
Attic windows & bath rooms do	4	3-0	1-6	4-6	81	
Clear storey lights do	2	3-0	1-½	4-0	54	
Flat archwork over large doors	10	3-6	1-6	1-6	10	
Do Do over small do	14	5-0	1-6	1-6	79	
Do Do over large windows do	2	4-6	1-6	1-6	158	
Do Do over small do do	6	4-6	1-½	1-6	20	
Do Do over attic windows & bath rooms do	4	4-0	1-6	1-6	61	
Do Do over clear storey light do	4	4-0	1-½	1-½	36	
	2	3-9	1-½	1-½	20	
	10	4-6	1-6	1-6	9	
					101	
Total deductions C/ft					1683	
Total Superstructure less deductions C/ft					~~6611~~ 7200	
Total foundation, basement & superstructure C/ft						12264 ~~12747~~
Brick in chunam						
Flat archwork the same quantity as deducted above					C/ft	445
~~Steps large & small~~ (Cut stone)	107	1-0	0-6	C/ft		53-4
Cornice all round brick in chunam with plastering					R/ft	310-

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Plastering inside & out sides of the walls with 2 coats of Chunam						
Centre room inside	1	116-0	--	16-0	1856	
Bed rooms — do	2	76-0	-	12-0	1824	
Dressing rooms do	2	60-0	-	12-0	1440	
Bathe rooms — do	2	42-0	-	8-0	672	
Store do do	2	36-0	-	8-0	576	
Sashes to do outsides Centre room above top terrace	6×2	8-0	-	2-0	192	
Do of Bed & dressing rooms up to cornice	3	128-0	-	4-0	512	
Do of Bath & Store do	2	48-0	-	11-0	1056	
Do rear verandah wall	2	56-0	-	8-0	896	
Parapet both sides	1	261-	-	3-3	341	
Basement all round	1	258	-	2-0	848	
Pillars all round	18	6-0	-	8-0	516	
Sides & soffits of doors, windows, clear storey lights and attic windows	-	-	-	-	1176	
	Total				12789	
Deductions						
Doors — both sides — large	11	4	-	7½	840	
Do — do — Small	2×2	3½	-	7½	98	
Windows — do — large	2×6	3½	-	6½	273	
Do — do — Small	2×4	3½	-	5	140	
Do — do clear storey lights	2×4	3	-	4½	108	
do — do	2×2	3	-	4	96	
Attic windows — do	10	3½	-	1-1½	14	
	Total deduct			Sft	1622	
Total less deduct	Sft					11167

[P. W. D. Code. Paras. 1074 and 1075.]

P. W. D. Form. No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Flooring with 4" of concrete & plastered with Chunam						2228/24
Centre room	1	39-6	17-6	-	681	
Bed rooms	2	19-6	17-6	-	673	
Dressing rooms	2	17-6	11-6	-	402	
Bath rooms	2	13-6	6-3	-	169	
Store — do	2	11-6	6-3	-	144	
Front verandah	1	145=	6-0	-	870	
Rear — do	1	30-6	6-0	-	183	
Total flooring				Sft		3122
* Cutting steps see previous page.						
Terracing:						
Centre room	1	41-6	19½	-	809	
Bed rooms	2	21-6	19½	-	839	
Dressing room	2	19-6	13-6	-	427	
Total Sft						2075
Bengal terracing to Verandah all round — including bath & store rooms	1	250.	10.		Sft	2500
Teak wood work.						
Beams in Centre room	3	20-0	0-10	1-3	62-6	✓
Do in Bed — do	2	20.0	0-10	1-3	41-8	✓
Joists in Centre do	48	10-6	0-3	0-5¾	60-4	✓
Do in Bed do	2×24	10-6	0-3	0-5¾	60-4	✓
Do in dressing do	2×24	13-0	0-3	0-7	91-0	✓

Carried over Sft = 316-0

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
		Brought forward C/ft =				316-
Wall plates & centre beam	1	124-0	0-4	0-3	7-9	10-4
to bed and dressing do	2	96-0	0-4	0-3	12-0	16-0
Breastsummers to rear Verandah	1	34-0	0-6	0-9	12-9	12-9
Do to side do	2	39-0	0-6	0-9	27-9	29-3
Do to front do	1	97-0	0-6	0-9	35-3	36-4
Rafters & Bengal tiesare	120	11-0 average	0-3	0-4½	123-9	123-9
Jack rafters at hips & Valleys	84	6-0	0-3	0-4½	55-7	55-7
Hip & Valley rafters	8	15-0	0-3	0-5½	13-9	13-9
		Total C/ft				613-9
Doors -						
Large doors ⅓ panelled & ⅔ Venet-	14	4-0	-	7-6	420	
Small — do — do —	2	3-6	-	7-0	49	
do doors to bath & store rooms	6	3-6	-	6-6	137	
		Total S/ft				606
Windows-						
Windows Large (Venetian)	4	3-6	-	5-0	70	
Do Small — do —	4	3-0	-	4-6	54	
Do do —	4	3-0	-	4-0	48	172
Ventilators Clear story lights	10	3-6	-	1-6	53	
Attic windows	2	3-0	-	1-6	9	62
		Total S/ft				
Wood oiling roof timbers			Total S/ft			3900
Varnishing doors & windows			Total S/ft			2000
Screen door with centre room dividing Drawing & dining room	1 × 18 × 7 =					126 S/ft

[P. W. D. Code. Paras. 1074 and 1075.]

P. W. D. Form. No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Matting						
Gravelling						19 ft
Wooden ladder	1					100 ft
Shed for storage of material						30 ft
Clearing site						40 ft
Pumhahs	4 @ ft 16 =					64 ft
Hedge & gate						150 ft
Road						100 ft
Land compensation						13 ft
Well						
Scaffolding						
Contingencies @ 5%						
Petty Expenses @ 2½%						
Matting						
Drawing & dining rooms	1	40-0	18-	-	720	
Bed rooms	2	20-	18-	-	720	
Dressing do	2	18-	12-	-	432	
		Total S/ft				18.72

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Train Building				
7462	Excavating foundation & filling	4--	1000 C/ft	30	
2536	Concrete broken stone in Chunam	11--	100 C/ft	279	
12683 (2464)	Rough stone in Chunam	15-8--	"	1897	1897
4·46	Jolat arch work brick in Chun	26--	"	116	
·54	Cut stone work for steps	2--	C/ft	108	
3·10	Cornice all round	--9--	R/ft	174	
111·67	Plastering with Chunam 2 coats	3--	100 S/ft	335	
31·22	Flooring with 4" Concrete & plastered with Chunam	7--	"	219	
20·75	Terracing with brick on edge 3 courses of flat tiles 3" of brick jelly & 3 coats of plaster	30--	"	622	
25·00	Bengal terracing including teak keepers	17-8-	"	438	
644	Teak wood work wrought & putup	4--	C/ft	2456	
606	Doors ½ panelled & ⅓ venetian	1-8--	S/ft.	909	
172	Windows Venetian	1-8-	"	255	
62	Clere storey lights	1-10-	"	101	
39.00	Wood ceiling roof timbers	2-4-	100 S/ft	88	
2000	Varnishing doors & windows	2-6-	"	50	
126	Screen door between dining & drawing rooms	12--	S/ft	95	
	Carried over Grand Total of Estimate ..				8172

STATION _____ }
Dated _____ 18 .

Executive Engineer.

20,000—5-8-89.

REFERENCE TO MADRAS P. W. D. CODE,
EDITION OF 1886.

PARAS. 921, 932, &c., 949, 952—955, 962—964.

P. W. D. FORM,
No. M 207.

CIRCLE—

DIVISION—

DISTRICT—

TALUK—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which
the work forms part—

Section—

Name of Work—

Amount of Estimate—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Brought forward	—	—	8172	
18.72	Matting including leather binding	5-8-	100 sft	103	
	Grancling	—	—	19	
	~~Wooden ladder~~	—	—	~~100~~	
	~~Shed for storage of materials~~	—	—	~~30~~	
	Clearing site	—	—	40	
	Pumkahs	16-—	Each	64	
	Hedge & gate	—	—	150	
	Road	—	—	100	
	Land Compensation	—	—	13	
				8661	
	Contingencies @ 4 %			340	
	Petty supervision @ 2½			219	
	Main Building			~~As~~ 9,220	
	Kitchen & Servants Quarters			~~do~~ 566	
	Stables & Coach house			~~do~~ 660	
	Grand total			~~As~~ 10,446	

Grand Total of Estimate ..

STATION _____

Dated _____ 18

Executive Engineer.

20,000—5-8-89.

Abb.
-11-90

Clc 9821

REFERENCE TO MADRAS P. W. D. CODE,
EDITION OF 1886.
PARAS. 921, 932, &c., 949, 952—955, 962—964.

P. W. D. FORM,
No. M 207.

CIRCLE— Second

DIVISION— Nellore

DISTRICT— Nellore

TALUK— Gudur

ESTIMATE FORM.—Abstract.

Financial Head— Provincial Service

Budget Head— Civil Buildings

Departmental Head— Civil works

Main Head— 16 - Miscellaneous

Sub-Head—

Project of which the work forms part—

Section—

Name of Work— Residence and out houses for Head Asst Collector Gudur. Revised

Amount of Estimate— Rs 10,446.

To be carried out by— P. W. Dept

REFERENCES.

Rev 11/9021/90. 11/
Rev 9/8466/90 for 6274/20

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[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. FORM,
No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
						2925
Main building						
Excavating for foundation:						
Drawing & Dining room walls	1	122	04	3-0	1464	
Bed & Dining room walls	2	70	04	3-0	1680	
Partition walls to do	2	15	64	3-0	372	
Verandah Outer walls	1	265	63	3-0	2793	
Do partitions	6	4	57/12	3-0	230	
Steps	1	23	02	0-6	23	
	1	16	62	0-6	17	
	2	4	02	0-6	8	
				Total Cft:	6682	
Concrete						
Dining & Drawing room walls	1	122	04	0-6	732	
Bed & Dressing rooms walls	2	70	04	0-6	840	
Partition walls to Do	2	15	64	0-6	186	
Verandah Outer walls	1	265	63	0-6	1394	
Do partitions	6	4	57/12	0-6	140	
Steps	1	23	03	0-6	36	
	1	16	62	0-6	25	
	2	4	03	0-6	12	
				Total Cft of Concrete	3364	

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ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.
1	2	3	4	5	6
Brickwork in foundation and Basement					
Footing Course					
Drawing and Dining room walls	2	122-0	2-3	1-6	442
Bed & Dressing room walls	2	71-9	2-3	1-6	426
Partition walls to do	2	17-3	2-3	1-6	116
Verandah Outer walls		265-6	1	10½-6	747
Do partitions	6	6-6½	1	10½-6	103
Basement					
Drawing & Dining room walls	2	122-0	1	10½-0	458
Bed & Dressing room walls	2	72-4½	1	10½-0	541
Partition walls to do	2	17-7½	1	10½-0	132
Verandah Outer walls		265-6	1	2-0	797
Do partitions	6	6-6	1	6-2-0	117
Steps	1	22-6	3-0	0-6	34
	1	20-6	2-0	0-6	21
	1	13-6	1-0	0-6	9
Do	1	16-3	2-0	0-6	24
	1	14-0	2-0	0-6	14
	1	12-0	1-0	0-6	6
Do	2	3-6	2-0	1-6	24
			Total Cubic ft:		4036

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[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brick in Chimneys.						2928/29
Superstructure.						
Drawing & Dining room walls	2	122-0	1-6	17-0	3111	
Bed & Dressing rooms walls	2	72-6	1-6	14-0	2046	
Partition walls to do	2	18-0	1-6	13-0	702	
Verandah Outer walls		266-6	1	14½-0	3796	
Do partitions	6	6-10½	1	14½-0	1164	
Extra thickness for basement course in Verandah walls and piers		91-0	0	29½-0	205	
Footing course		225-0	0	3-6	32	
Parapet walls over Drawing and Dining rooms		123-6	1	4½-3	174	
Do Bed and Dressing rooms	2	72-3	1	4½-3	226	
Do Over Verandah		265-6	1	4½-0	299	
Exterior cornices for Drawing and Dining rooms		130-0	0	6-9	49	
Do Bed and Dressing rooms	2	76-0	0	6-9	57	
Do Verandah		272-4½	0	6-9	102	
Projection over Verandah arches & windows		267-0	0	3-0	16	11743
Deduction.						
Verandah archways		235-6	1	14½-8-0	1139	
Do Do		22-6	1	14½-8-0	165	
Doorways		124-0	1	6-8-0	864	
Do		42-6	1	14½-6-6	103	
Windows		86-0	1	6-6-6	264	
Do		43-6	1	14½-5-0	79	
			Cubic ft:		2494	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward.					2494	11743.
Ventilators	28	3 — 0	1 — 6	1 — 3	152	
Do	2	3 — 0	1 — 1½	1 — 3	8	
Lintels for Ventilators	24	4 — 6	1 — 6	0 — 3	41	
Archwork as per details					531	8232
		Net Cubic		feet		8511
Archwork.						
Verandah arches	23	7 — 6	1 — 1½	1 — 1½	218	
Do	2	4 — 0	1 — 1½	1 — 1½	10	
Door ways	18	5 — 0	1 — 6	1 — 1½	152	
Do	4	4 — 6	1 — 1½	1 — 1½	23	
Windows	8	5 — 0	1 — 6	1 — 1½	68	
Do	4	4 — 6	1 — 1½	1 — 1½	23	
Ventilators	4	4 — 0	1 — 6	1 — 1½	27	
Do	2	4 — 0	1 — 1½	1 — 1½	10	
		Cubic		feet		531
Cut Stone						
Slab under beams	10	2 — 0	1 — 6	0 — 6	15	15 Cft
Teak wood wrought and put up.						
Beams to Drawing & Dining room ⅔	2	20 — 6	1 — 0	1 — 4	82	
Do Bed Rooms	2	20 — 6	1 — 0	1 — 4	55	
		Total		Cft		137

20,000—7-1-91.

[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
						2378/30
Teakwood.						
Joists to Drawing & Dining rooms central portion including blocking halving at joints	26	10 — 0	3 — 0	1½	38 — 7	
Do Do ends do	26	10 — 0	3 — 0	1½	58 — 5	
Do Bedrooms	62	10 — 0	3 — 0	1½	176 — 5	
Do Dressing rooms	21	13 — 6	3½		63 — 3	
Do Verandah, Bath & Store rooms	14	8 — 6½	3 — 0		42 — 9	
Do at angles		8 — 6	3 — 0		25 — 5	
Joists at angles of Verandah		8 5 — 0	3 — 0		56 — 2	
Do Do		8 3 — 6	3 — 0		52 — 11	
Do Do		8 2 — 0	3 — 0		51 — 3	
Do Do		2 8 — 10½	3 — 0		62 — 4	
Beams Do		4 11 — 9	4½		68 — 9	
Do at angles		24 — 6	1 — 6	3	40 — 6	
Lintels for Ventilators					Cubic	441½
Teakwood doors panelled & Venetian including frames. ⅔ 2/3 Iron fastenings complete opening into Verandah.	10	4 — 0	8 — 0	320	320 Sft	
Teakwood doors panelled throughout including frames & Iron fastenings complete between rooms.	8	4 — 0	8 — 0	256	256 Sft	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Teakwood batten doors with frames & Iron fastenings for Bath & Store rooms	4	3-6		6-6	91	91 Sft
Venetian windows including frames & Iron fastenings complete.						
Bedrooms	8	4-0		5-6	176	
Bath & Store rooms	4	3-6		5-0	70	
				Total	0 Sft	246
Ventilators with swing panelled shutters other side pierced including frames. Complete	283	—	1	3	105	105 Sft
Ventilators with glazed shutters over side pierced including frames Complete	23	—	1	3	8	8 Sft
Teak panelled Screen between Drawing & Dining room	1	10-0	7	-0	70	70 Sft

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[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Terracing with brick on edge 3" Concrete 3 Courses of flat tiles & 3 coats of plastering on top & Ceiling						2478 / 31
Drawing & Dining rooms	1	41-0	19-0		779	
Bed rooms & Dressing rooms	2	34-6	19-0		1311	
Verandahs, Bath & Store rooms	4	234-3	10½		1845	
				Total	0 Sft	3935
Flooring with 8" Kyan and bricks over bed of Concrete 4" thick & pointing with Cement						
Drawing & Dining rooms	1	40-0	18-0		720	
Bed rooms	2	20-0	18-0		720	
Dressing rooms	2	12-0	18-0		432	
Verandahs	1	233-3	6-8¼		1560	
Do Archways		23	5-½	1-6	176	
Do Do		2	2-½	1-6	6	
Door ways		16	4-0	1-2	75	
Window recesses		8	4-0	0-9	24	
				Total	0 Sft	3713
Paving with 12 inches Kyan bricks & pointing with Cement						
Steps	1	22	6	3-0	68	
Do	1	16	0	3-0	48	
Do	2	3	6	3-0	21	
				Total	0 Sft	137

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ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Flooring with cement 1" thick on 4" Concrete						
Bath rooms	2	14-0	6-10½		193	
Store rooms	2	12-0	6-10½		165	
Doorways	2	4-0	1-2		9	
Do	4	3-6	1-0		14	
Total Sqft						381
Painting Exterior						
Verandah all round		270-0		15-0	4050	
Do inside		377-0		10-0	3770	
Clear Storey.						
Drawing & Dining room front & rear / Do Sides		55-0		7-6	413	
Bed & Dressing rooms front rear & ends	2	36-6		4-6	329	
Jambs & soffits of Verandah arches	2	75-6		4-6	680	
Do	23	21-0		1-1½	543	
Do	2	18-0		1-1½	41	
Total Sqft						9826
Deduction.						
Verandah arches						
Do	46	5-6	1-1½	8-0	2277	
	4	2-6	1-1½	8-0	90	
Door ways	10	4-0		8-0	320	
Do	4	3-6		6-6	91	
Windows	8	4-0		5-6	176	
Do	4	3-6		5-0	70	
Ventilators	30	3-0		1-3	113	3137
Total Sqft						6689

[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

2878 / 32

Detail of Work.	Number.	Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Plastering interior						
Drawing & Dining room		116-0		16-0	1856	
Bed rooms	2	76-0		13-0	1976	
Dressing rooms	2	60-0		13-0	1560	
Bath rooms	2	41-9		10-0	835	
Store rooms	2	37-9		10-0	755	
Jambs & Soffits of doorways	18	20-0		1-6	540	
Do	4	16-6		1-1½	74	
Do Windows	8	15-0		1-6	180	
Do Do	4	13-6		1-1½	61	
Window sills	8	4-0		0-9	24	
Do Do	4	3-6		0-4½	6	
Do recess sides	16	0-9		2-6	30	
Do Do	4	0-4½		3-0	5	
Ventilators, sides, Soffits & sills	4	3-6		1-6	51	
Do Do	2	8-6		1-1½	19	
Do sides & sills	24	5-6		1-6	198	
Inside and upper portion parapet walls						
For Verandah		265-6		2-1½	564	
For Drawing & Dining room		123-6		2-1½	293	
For Bed and Dressing rooms	2	73-3		2-1½	348	9374
Deduction						
Door ways	26	4-0		8-0	832	
Do	4	3-6		6-6	91	
Windows	8	4-0		5-6	176	
Do	4	3-6		5-0	70	
Clear					1169	9374

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					1169	9374
Ventilators	303 — 0		1 — 3		113	
				Total Cubic feet		1282
				Total Sq. feet		8092
Wood oiling 3 Coats.						
Beams to Drawing & Dining rooms	3	18 — 0	2 — 8		198	
Do Bed rooms	2	18 — 0	2 — 8		132	
Joists to Drawing rooms	13	40 — 0	1 — 4		693	
Do Bed rooms	26	20 — 0	1 — 4		693	
Do Dressing rooms	2	68 — 0	1 — 7½		527	
Do Verandah Bath & Store rooms	42	6 — 10½	1 — 1		1065	
Do at angles		104 — 0	1 — 1		113	
Beams	2	6 — 10½	1 — 4½		19	
Do at angles	4	9 — 6	1 — 4½		62	
Panel & Venetian doors	10	4 — 0	3 terms 6 — 0		960	
Panelled doors	8	4 — 0	2¼	8 — 0	576	
Venetian Windows	8	4 — 0	3½	6 — 6	616	
Panelled Screens	1	10 — 0	2	7 — 0	140	
				Total Sq. ft.		5764
Painting Doors & Windows and Exposed to the weather.						
Bath room doors	4	3 — 6	2¼ terms	6 — 6	205	
Do Windows	4	2 — 6	3½	5 — 0	245	
Ventilators	30	3 — 0	2½	1 — 3	253	
Do Lintels	24	6 — 0	"	2 — 0	144	
				Total Sq. ft.		847

20,000—7-4-01.

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[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Tiling in Basement						
Drawing & Dining rooms	1	39½	27½	1 — 6	1067	
Bed rooms	2	19½	27½	1 — 6	1038	
Dressing rooms	2	11½	27½	1 — 6	615	
Bath rooms	2	18½	6 — 6	1 — 6	266	
Store rooms	2	11½	6 — 6	1 — 6	227	
Verandahs	1	280 — 0	6 — 6	1 — 6	2730	
				Total Cft.		5943
Matting including Lathing						
Lindsey						
Dining & Dressing rooms	1	40 — 0	18 — 0		720	
Bed rooms	2	20 — 0	18 — 0		720	
Dressing rooms	2	12 — 0	18 — 0		432	
				Total Sq. ft.		1872
Wooden plugs for insertion in the wall for nailing pictures &c.	Lump sum					Rs 10
Gravelling					950	950 Sft
Bamboo blinds including blue cloth, tape ropes, pulleys &c complete.						
For Verandah archway	23	6	9 — 0		1139	
Do	2	2 — 6	9 — 0		45	
				Total Sq. ft.		1184

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Hedge and gate		L S				Rs 150
Road						
Sinking a well		"				Rs 100
Clearing site &c		"				Rs 400
		"				Rs 40
Teak wood punkahs 10 ft long with brown holland fringe brass wheels hooks and other fittings including [illegible] pulleys & pulling ropes Complete	4 (10–0)				4	4 each

20,000—7-4-91.

[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. FORM, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
						2978 / 34
Kitchen & Servants' quarters.						
Excavation & filling in basement.						
Wall all round		112–9	3–0	2–0	677	
Cross walls	3	8–6	2–7½	2–0	134	
Fire places	2	2–6	1–6	1–0	8	
Steps.	4	3–6	1–0	0–6	7	
				Cubic ft	826	
Concrete						
Wall all round		112–9	3–0	1–0	338	
Cross walls	3	8–6	2–7½	1–0	67	
Fire place	2	2–6	1–6	1–0	8	
Steps	4	3–6	1–0	0–6	7	
				Total Cubic ft	420	
Brick in mud for foundation and Basement.						
Wall all round		112–9	2–3	1–0	254	
Do		112–9	1–10½	1–0	211	
Cross walls	3	9–3	1–10½	1–0	52	
Do	3	9–7½	1–6	1–0	43	
Fire place	2	2–6	1–6	1–0	8	
Steps	4	3–6	1–0	0–6	6	
				Total Cubic ft	574	
Superstructure						
Wall all round		112–9	1–6	8–0	1353	
Cross walls	3	10–0	1–1½	8–6	287	
Gables	2	10–0	1–6	1–9	53	
Do	3	10–0	1–1½	1–9	59	
				C/over	1752	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
B/F					1762	
Fire place pyab.	1	10	0 2	6 2	50	
" "	1	10	0 1	6 0	9	11
" "	4	2	6 0	9 6	23	
" "	2	0	9 0	9 5	6	
" Chimney over roof	1	2	3 1	6 2	8	
" Cap over do.	1	2	9 2	0 9	4	1354
Deductions.						
Door ways	4	3	0 1	6 6	72	
Windows	4	3	0 1	6 4	72	
Arches under pyab.	2	3	0 2	6 1	15	
Archwork do.	2	4	0 2	6 0	9	15
" Doors	4	4	0 1	6 1	3	30
" Windows	4	4	0 1	6 1	0	30
				Total Cubic feet		270
						1594
Archwork.						
Door ways	4	4	0 1	6 1	3	30
Windows	4	4	0 1	6 1	3	30
Arch under pyab	2	4	0 2	6 0	9	16
Arch in front of fire place	1	3	6 0	9 0	9	5
Do over do.	1	10	6 2	6 1	0	33
				Total archwork		113 Cft
Cornice work for Gable ends	2	16	—		32	32 Cft
Plastering inside						
Rooms		40	—	9 6		1260
Gables		8	10 —	1 9		140
Jambs & soffaks of door ways		6	15 —	1 6		90
				Carried down		1590

[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
						2428/35
B. F.					1590	
Jambs & soffits of windows.	4	11 — 0	1 — 6		24	
do arches ago under fire place	2	3 — 6	2 — 6		18	
do do in front do	1	12 — 6	0 — 9		9	
do do.	1	9 — 6	1 — 9		17	1718
Deductions						
Door ways	4	8 — 0	6 — 0		72	
Windows	4	3 — 0	4 — 0		48	120
				Total Superficial feet		1598
Painting Outside.						
All round outside.		112 — 9	7 — 6		846	
Gable ends.	2	13 — 0	2 — 0		52	
Basement all round.	1	114 — 3	1 — 3		142	
Around chimney over roof.	1	7 — 6	2 — 6		19	
Cap over do.	1	2 — 9	2 — 0		6	1066
Deductions						
Door ways	4	3 — 0	6 — 0		72	
Windows	4	3 — 0	4 — 0		48	120
				Total Superficial feet		946
Woodwork.						
Rafters for Couples	56	10 — 0	0 — 3	0 — 4	468 — 0	
Collar pieces	28	6 — 0	0 — 3	0 — 4	150 — 0	
Wall plates	2	43 — 0	0 — 4	0 — 9	6	
				Cubic feet		66.7-4 or 67. Cft.
Roofing						
Over 4 rooms.	2	47 — 10½	10 — 0		959	
Deduct Space of Chimney		12 — 3	1 — 6		9	
				Net Superficial feet		955

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Masonry						
Servants Quarters & Kitchens	4	10—0	10—0		400	
Deduct Fire places	3	2—6	1—6		11	389
Doors and windows						
Doors	4	3—0		6—0	72	
Windows	4	3—0		4—0	48	
			Total Sft			120

[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
						2478/36
Coach house and Stables.						
Excavation and filling in basement						
Coach house	1	64—0	3—0	0—6	96	
Rear wall of Stables	1	65—0	3—0	1—0	195	
Side walls	1	12—0	3—0	1—0	72	
Pillars	3	3—0	2—0	1—0	54	
Partition walls	3	5—6	2—0	1—0	102	
				Cubic ft.		1023
Concrete						
Coach house	1	64—0	3—0	1—6	288	
Rear wall of Stables	1	38—0	3—0	1—0	114	
Side walls	1	12—0	3—0	1—0	36	
Pillars	3	3—0	3—0	1—0	27	
Partition walls	3	3—6	2—0	1—0	51	
				Cubic feet		471
Brick Covered						
Foundations & Basement.						
Coach house	1	64—0	2—0	2—0	248	
Do	1	54—0	1—10½	1—0	101	
Rear wall of Stables	1	38—0	2—0	3—0	216	
Do	1	38—0	1—10½	1—0	71	
Side walls	1	12—0	2—0	3—0	72	
Do	1	12—0	1—10½	1—0	23	
Partition walls	3	9—0	2—0	3—0	324	
Do	3	9—7½	1—0	1—0	27	
				Cubic feet		615

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Superstructure						
Coach house	1	50—0	1—6	11—0	391	
Gable ends	2	10—0	1—6	1—9	50	
Rear wall of Stables	1	38—0	1—0	9—0	456	
Side wall do	1	12—0	1—6	6—6	153	
Gables	1	10—0	1—6	2—0	36	
Partition walls	3	10—6	0—9	5—0	118	1707
Deduction						
Archway to Coach house	1	7—0	1—6	5—6	58	
Semi circular portions	1	19—3 area		1—6	29	
Arch rank	1	13—4½	1—6	1—6	30	117
				Cubic feet		1590
Brick in Chimneys						
Pillars	3	2—0	2—3	1—0	15	
do	3	1—4½	1—4½	1—0	11	
do chimney	3	1—6	1—6	7—6	51	
				Cubic feet		77
Archway brick Gin chimney					30	30 Cft.
Cornice work for gablends	3	16—0			48	48 Sft.
Plastering inside						
Coach house	1	48—0	11—0		528	
Gable ends	2	10—0	1—9		36	
Rear wall of Stables	1	34—3	9—6		291	
do over partition walls	3	0—9	2—6		3	
				Carried		858

[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
						2878/37
					858	
B. Ft.						
Side walls	2	12—0		14—0	336	
Partition walls	3	3—6		10—9	274	
Jambs & Sopits of archways		22—0	1—6		33	1505.
Deduction						
Archway		1 7—0		5—6	39	
Semi cir portions		1 19—3 area			19	58
				Total Superft Plastering		1447
				" White washing Ceils		1447
Painting Outside						
Coach house walls		1 46—6		10—0	465	
Gable ends		2 13—0		2—0	52	
Basement to do		47—4½		1—3	59	
Rear wall of Stables		1 38—0		8—0	304	
Side walls of do		1 13—6		8—0	108	
Gable ends		1 13—6		1—9	22	
Pillars		3 4—6		7—6	101	
do		1 1—6		7—6	11	
Basement		43—7½		1—3	54	
						1173.
Deduction						
Archway		1 7—0		5—6	39	
Semi cir: portions		1 19—3 area			19	
						58
				Total Superficial feet		1120

ESTIMATE FORM.—Detail Measurements.

Detail of Work	Number.	Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Wood work						
Rafters for couples to Coach house	11	10-0	0-3	0-4	9-2-0	
	9	9-6	0-3	0-4	6-4-6	
Collar pieces	10	7-6	0-3	0-4	6-3-0	
Wall plates	2	15-0	0-4	0-2½	1-8-0	
Breastsummers to stables	1	40-3	0-5	0-7	9-9-5	
Wall plates to do	1	38-0	0-4	0-2	2-1-4	
Rafters for couples	50	10-0	0-3	0-4	41-8-0	
Collar pieces	25	8-0	0-3	0-4	16-8-0	
Ridge pieces	1	14-6	0-3	0-4	0-4-6	
Valley rafters	2	5-0	0-3	0-4	0-10-0	
Jack rafters	4	3-0	0-3	0-4	1-0-0	
Total cft of junglewood wrought and put up					95-10-4	96 Cft
Roofing						
Coach house	2	18-6	10-6		389	
Stables	2	38-9	10-6		814	
Total Sq. ft						1203
Flooring						
Coach house	1	14-0	10-0		140	
Stables	4	10-6	10-6		441	
Between pillars	4	8-0	1-6		48	
Ramps in front of Stables	4	8-0	8-0		256	
do Coach house	1	7-0	4-0		28	
Total Square ft						913

Iron rings 4" dia to be leaded in a Stone block & firmly fixed in the ground for tying horses — 4 Nos.

Bamboos 3" dia & 9½ feet long 2 to each stall — 8 Nos.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		RS.		RS.	RS.
	Main building				
1632 Cft	Excavation for foundation	4-10-0	1000 Cft	31	
3364 "	Concrete	14-0-0	100 Cft	471	
4036 "	Foundation & Basement with Stock bricks in Chunam	19-8-0	"	787	
8516 "	Superstructure with Stock bricks in chunam	20-8-0	"	1746	
531 "	Archwork with do	23-8-0	"	125	
16 "	Cut Stone work	2-0-0	Cft	30	
137 "	Teak wood wrought and put up for large beams	3-12-0	"	514	
411½ "	Do for Small joists	3-8-0	"	1440	
321 Sqft	Pairs of teak wood doors ½ panel & ½ Venetians including frames 3½"×5" hinges hooks locks & other fittings Complete	1-1-0	Sft	340	
256 "	Pairs of teak wood panel doors including frames 3½"×5" hinges and other fittings Complete	0-14-0	"	224	
	Carried Over			5708	

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Grand Total of Estimate ..

Station
Dated ____ 189 .

Executive Engineer.

Reference to Madras P. W. D. Code,
Edition of 1886.
Paras. 921, 932, &c., 949, 952—955, 962—964.

P. W. D. Form,
No. M 207.

Circle—

Division—

District—

Taluk (or Estate in case of Estate Works)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

2928/39

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward.			5708	
91 2 ft.	Pairs of teak batten doors including frames 3½"×5" and other fittings Complete	1-15-0	2 ft.	85	
246 "	Pairs of teak Venetian windows including frames 3½"×5" hinges, locks, bolts & other fittings Complete	1-2-0	"	277	
100 "	Teak Venetians with swing panelled shutters over side pivots including frames & pulling ropes Complete	1-3-6	"	128	
8 "	Teak Ventilators with swing glazed shutters over side pivots including frames &c.	1-2-0	"	9	
70 "	Teak panelled Screens complete between Dining and Drawing rooms	1-0-0	"	70	
3936 "	Terracing with brick on edge Jelly 3" thick 3 courses of flat tiles & 3 coats of plastering on top & ceiling	27-0-0	Sft. 100	1062	
	Carried over.			7339	
	Grand Total of Estimate ..				

Station ——————
Dated —————— 189

Executive Engineer.

40,000—22-6-91

Reference to Madras P. W. D. Code,
Edition of 1886.
Paras. 921, 932, &c., 949, 952—955, 962—964.

P. W. D. Form,
No. M 207.

Circle—

Division—

District—

Taluk (or Estate in case of Estate Works)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which
the work forms part—

Section:—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward			7339	
3713 sft.	Flooring with 8" sq: bricks in chunam over a bed of concrete 4" thick & pointing with Portland Cement	11-14-0	100 sft. Do	441	
137 "	Paving the steps with 12" sqr bricks & pointing with Portland Cement.	9-12-0	"	13	
381 "	Flooring with concrete 6" thick laid paved with bricks flat in mortar & then plastered over with Portland Cement 1/2" thick.	12-12-0	"	48	
6657 "	Pointing with cement outside.	2-0-0	"	134	
8092 "	Plastering with 2 coats of chunam polished inside	2-8-0	"	202	
5764 "	Wood oiling 3 coats to inner doors & roof timbers	1-2-0	"	65	
847 "	Painting doors & windows far exposed to the weather with 3 coats of Carson's Oak paint	2-12-0	"	23	
	Carried over —			8,265	
	Grand Total of Estimate ..				

2928
40

Station ——————
Dated —————— 189

Executive Engineer.

40,000—22-6-91

Reference to Madras P. W. D. Code,
Edition of 1886.
Paras. 921, 932, &c., 949, 952—955, 962—964.

P. W. D. Form,
No. M 207.

Circle—

Division—

District—

Taluk (or Estate in case of Estate Works)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

2528
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Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward			9265	
5924 Cft.	Filling in basement with earth	2-50	Cft. 1000	14	
1872 Sft	Matting including leather binding	6-00	Sft. 100	112	
4 No.	Teak wood punkahs 10 feet long with brown holland fringes brass wheels, hooks & other fittings including suspenders & pulling ropes &c. Complete	20-00	Each	80	
	Teak wood plugs for insertion in the wall for hanging pictures &c.	"	"	10	
900 Sqft.	Gravelling 3" thick	1-10-0	Sft. 100	15	
1184 "	Bamboo blinds including blue cloth Iron hooks rings tape ropes pullies &c. Complete	0-1-6	Sqft.	111	
	Hedge and gate	"	"	150	
	Forming new roads.	"	"	100	
	Sinking a well.	"	"	400	
	Cleaning site &c.	"	"	40	
					9,297
	Carried Over				9,297

Grand Total of Estimate ..

Station ——
Dated —— 189 .

40,000—22-8-91

Executive Engineer.

Reference to Madras P. W. D. Code,
Edition of 1886.
Paras. 921, 932, &c., 949, 952—955, 962—964.

Circle—

Division—

District—

Taluk (or Estate in case of Estate Works)—

ESTIMATE FORM.—Abstract

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Kitchen & Servants Quarters.			B.F.	2978 / 9297 42
826 C/ft.	Excavation & filling in basement.	4-0-0	C/ft. 100	4	
620 "	Concrete	11-0-0	C/ft. 100	69	
674 "	Foundation & basement counting bricks in mud.	12-0-0	"	69.	
1884 "	Superstructure 8".	12-0-0	"	193	
113 "	Brickwork brick in Chunam	19-0-0	"	22	
32 Rft	Cornice work	0-3-0	Rft	6.	
1698 Sqft	Plastering with 1 coat of Chunam	1-9-0	C/ft 100	25	
1698 "	Whitewashing 2 Coats	0-2-0	"	3.	
946 "	Painting with Cement	2-0-0	"	19	
67 C/ft.	Jungle wood wrought and put up.	2-0-0	C/ft	134	
955 Sqft	Roofing with teak rafters battens & Chunam bandas Complete.	11-2-0	C/ft 100	111	
389 "	Flooring with grano & black	2-0-0	"	7.	
120 "	Jungle wood batten doors & windows with frames & Iron fastenings Complete	0-2-0	Sqft	24.	
					722 /
			Carried Over		10019 /
	Grand Total of Estimate ..				

Station _____

Dated _____ 189 .

10,000—22-6-91

Executive Engineer.

Reference to Madras P. W. D. Code,
Edition of 1886.
Paras. 921, 932, &c., 949, 952—955, 962—964.

Circle—

Division—

District—

Taluk (or Estate in case of Estate Works)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which
the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

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ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Brought forward.				10019
	Coach house and Stables.				
1020 Cft.	Excavation and filling in basement.	6-0-0	100 Cft.	6	
471 "	Concrete.	14-0-0	100 "	66	
616 "	Foundations and Basement Country brickwork in mud.	12-0-0	"	74	
1590 "	Superstructure do.	12-0-0	"	191	
77 "	Country brickwork in chunam.	17-0-0	"	13	
30 "	Arch work do.	19-0-0	"	6	
68 Rft.	Cornice work do.	2-3-0	Rft.	9	
1047 Sft.	Plastering with 1 coat of Chunam.	17-0-0	100 Sft.	23	
1647 "	White washing 2 coats of Do.	0-2-0	"	2	
1100 "	Painting with cement outside.	2-0-0	"	22	
96 Sft.	Jungle wood ventilator Spot up.	2-0-0	Sft.	192	
1203 Sft.	Roofing with tank reports rails partition & chunam border complete.	11-8-0	100 Sft.	138	
913 "	Flooring with jamul 4" thick well watered & rammed	2-2-0	"	20	
			Carried over	769	10019
			Grand Total of Estimate ..		

Station _____

Dated _____ 189 .

40,000—22-6-91

Executive Engineer.

Reference to Madras P. W. D. Code,
Edition of 1886.
Paras. 921, 932, &c., 949, 952—955, 962—964.

P. W. D. Form,
No. M 207.

Circle—

Division—

District—

Taluk (or Estate in case of Estate Works)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

1

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ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward			769	10019.
4 No.	Iron rings 4" D. to be leaded in a stone block & firmly fixed in the ground for tying horses & no. E			8	
8 "	Bamboos 3" D. & 9½ feet long including fixing	0-8-0	"	4	
					781.
					10800
	Contingencies @ 5%				540
	Petty supervision @ 2½%				270
	Grand Total of Estimate				11610

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Station — Chepauk
Dated 10th September 1891.

[signature]

Captain
~~Executive Engineer.~~
Offg. Consulting Architect to Govt.

14.9.91

10,000—22-6-91

REFERENCE TO MADRAS P. W. D. CODE,
EDITION OF 1886.
PARAS. 921, 932, &c., 949, 952—955, 962—964.

P. W. D. FORM
No. M 207.

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which
the work forms part—

Section—

Name of Work— Standard Design for a Residence for a Revenue Inspector with out houses

Amount of Estimate, Rs.— 11810-0-0

To be carried out by—

REFERENCES.

Standard Design for a Residence with out houses for Revenue Inspector Collector according to Sheet No 1 and 2 signed by the Offg Executive Engineer on 6th Sept 1891.

2958/95

Annexed paper

Descriptive Specifications

Foundation — A depth of 3 feet is prescribed in the specification, but this should be settled locally in accordance with the nature of soil.

Walling — The walls to be built in English bond 2 bricks and ½ bricks thick, where stone is cheap the foundations may be of rough stone

Cut Stone work — Stone slabs should be placed at the bearings of all beams. The steps may also be of stone, if procurable without great expense.

Wood work — The beams and joists to be of well seasoned Burma teak. Couples of other timbers for the out-houses may be of approved country wood proof against white ants.

Doors & Windows — The doors and windows to be

be of well seasoned Burma teak wood. All doors opening into Verandahs will be of ½ panel and ½ venetians. Inner doors to be panelled throughout. The windows will be venetian shutters to open outwards. The ventilators will have teak panelled shutters to swing on pivots the bath rooms ventilators will be similar but glazed to admit light. Doors and windows for the outhouses will be of approved country wood proof against white ants.

A plain brick Cornice is provided — Where Cuddapah or other similar slabs are available a cornice similar to that shewn on Drawing and specified for offices for Sub-Collector, Head Assistant Collector or Deputy Collectors may be adopted. Cornice work

The roofing will consist of "puttia tiraeing" care being taken that proper slopes are made for drainage towards the weep holes for the Outhouses will be covered with Roofing

with pantiles on teak wood rafters; if the quality of these are good, the usual unsightly "Chunam bands might be dispensed with 2978/46

Flooring — The floor may be laid with Square bricks on 4" Concrete, or stone slabs, if the latter are easily procurable. Where the soil is damp, the space below the flooring should be filled with river sand. Portland cement flooring is provided for Bath rooms & the flooring for the Outhouses will be granolithic.

Interior and Exterior finishing — The interior walls will be fine plastered with shell lime and polished or plastered and white washed. Where good bricks or stone is obtainable, the exterior should be pointed. In damp soil the plinth and interior walls about 3 feet above floor level should also be plastered with cement.

The different kinds of work to be done will be executed in conformity with the standard

Specification

Specification of the Public Works Department

Su 3
9529/91

John Ellis Captain R.E.
Offg Consulting Architect
to Government

5th Sept 1891

[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
214	8	5	5	5	6	2278/9
Main building						
Excavation for foundation						
Drawing and Dining room walls		114-0 4-0 3-0				2724
Bed rooms do		2 66-6 4-0 3-0				
Verandah Outer walls		268-0 3-0 6-0				2884
do partitions		6 4-5 3/4 3-0 6-0				
Steps		1 22-9 2-0 0-6				47.
do		1 16-1 1/2 2-0 0-6				
do		2 3-10 1/2 2-0 0-6				
					Cubic feet	5655
Concrete						
Drawing & Dining room walls		114-0 4-0 1-6				1362
Bed room do		2 66-6 4-0 1-6				
Verandah Outer walls		268-0 3-0 1-6				1462
do partitions		6 4-5 3/4 3-0 1-6				
Steps		1 22-9 3-0 0-6				70.
do		1 16-1 1/2 3-0 0-6				
do		2 3-10 1/2 3-0 0-6				
					Cubic feet	2874
Brick work in foundations and basement.						
Footing course.						
Drawing & Dining room walls		114-0 2-0 3-0 1-6				385.
Bed room walls		2 66-0 2-0 3-0 1-6				393
Verandah Outer walls		268-0 1-10 1/2 1-6				
do partitions		6 6 4 1/2 1-10 1/2 1-6				801
					Carried Over	1579

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					1579	
basement.						
Drawing & Dining room walls		11-0	1-10½	2-0		
Bed room walls	2	6-9½	1-10½	2-0	867	
Verandah Outer walls		248-0	1-6	2-0		
do partitions	6	6-6	1-6	2-0	861	
Steps front	1	22-4½	3-0	0-6	34	
do do	1	20-4½	2-0	0-6	20	
do rear	1	13-4½	1-0	0-6	9	
do do	1	15-9	2-0	0-6	24	
do do	1	13-9	2-0	0-6	14	
do do	1	11-9	1-0	0-6	6	
	2	3-6	2-0	1-6	21	
				Cubic feet		3435
Brickwork in superstructure						
Drawing & Dining room walls		11-0	1-6	17-0	2907	
Bed room do	2	6-9	1-6	11-0	2478	
Verandah Outer walls		248-0	1-6	11½-0	3069	
do partitions	6	6-11½	1-6	10-0	466	
Extra Brickwork for basement						
cornice in Verandah walls						
and piers						
String Course		176-0	2-0	¼-0	33	
Dwarf Spot walls over Verandah		248-0	2-0	0-6	30	
do Over Drawing & Dining room		248-0	1-6	1-0	279	
do do Bed room		11-6	1-6	1-0		
	2	6-9	1-6	1-0	330	
Extra Cornice for Verandah		256-0	0-6	0-9		
do Drawing & Dining room		102-0	0-6	0-9	139	
do Bed rooms	2	6-0	0-6	0-9		
				Cubic feet	7730	

[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					9780	2978 / 48
Cornice over Verandah walls & arches of windows	248-0	0-3		15	9795	
Deductions						
Verandah archways	21-6	6-1-½	8-0		1040	
Door ways	17-4	0-1	6-8	0	316	
do	4-3	6-1-½	6-6		102	
Windows	4-4	0-1	6-5	6	132	
do	2-4	6-1	6-5	6	41	
do	4-0	6-1-½	5-0		79	
Ventilators	24-3	0-1	6-1	3	135	
do	2-3	0-1	1½-1	3	9	
Lintels for Ventilators	20-4	6-1	6-0	3	34	
Arch work as per details					471	2853
				Cubic feet		6927
Arch work (Segmental)						
Verandah arches	21-7	6-1-½	1-½		199	
Over doors & windows	21-5	0-1	6-1	½	177	
do Windows	2-3	6-1	6-1	½	12	
do doors & windows	8-4	6-1	½-1	½	46	
do Ventilators	4-4	0-1	6-1	½	27	
do do	2-4	0-1	½-1	½	10	
				Cubic feet	471	
Stonework						
Slabs under beams	12-2	0-1	6-0	¼	18	18 Cubic ft.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Teakwood wrought & fixed:						
In beams.						
Drawing & Dining rooms	2	20-6	1-0	1-4	55	
Bed rooms.	4	18-6	0-10	1-2	72	
				Cubic feet		127
In posts						
Drawing & Dining rooms						
Central portion including halving at joints	18	12-4	0-3½	0-8		
Ends.	2	12-4	0-3½	0-8	96.	
Bed rooms Central portions	2	8-4	0-3	0-6		
do Ends.	4	8-4	0-3	0-6	19	
Verandah Bath & Store rooms joists	13	3-4½	0-3	0-5		
do at angles.	8	6-6	0-3	0-5		
do do.	8	5-0	0-3	0-5	130	
do do.	8	3-6	0-3	0-6		
do do.	4	2-0	0-3	0-5		
do beams.	2	8-10½	0-4½	0-6		
do do at angles.	4	11-9	0-4½	0-6	12	
Kintals for Ventilators in bed rooms	20	4-6	1-6	0-3	34	
				Cubic feet	351	Cft
Teakwood dwarf panelled & ⅔ Venetians including frames & Iron fastenings Complete.						
Doors Opening into Verandahs	10	4-0	8-0		320	320 Sq ft

29,000—7-4-91.

[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Deors panelled throughout including frames & Iron fastenings Complete.						278/8
Between rooms	7	4-0	8-0	224	224 Sq ft	
Battened doors including frames & Iron fastenings.						
For bath & Store rooms	4	3-6	6-6	91	91 Sq ft.	
Venetian Windows including frames & Iron fastenings Complete.						
For Bed rooms	4	4-0	5-6	88		
do	2	2-6	5-6	28		
For Bath & Store rooms	4	2-6	5-0	70		
				Sq ft	186	Sq ft
Ventilators with sliding panelled shutters over wide openings including frames Complete:						
Ventilators with sliding glass	24	3-0	1-6	108	108 Sq ft.	
Shutters over wide openings including frames Complete	23	1-6	1-7	9	9 Sq ft.	
Teak panelled doors between Drawing & Dining rooms	1	10-0	7-0	70	70 Sq ft.	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Terracing with brick on edge 3" concrete 1:2:4 coats of plaster fine plastered and polished above and at ceiling						
Drawing & Dining room	1	37—0		19—0	703	
Bed room	2	25—0		17—0	850	
Verandah & bath rooms		220—0		7—10½	1733	
				Sq feet	3286	3286 Sqft
Flooring with 9" Spr bricks over a bed of concrete 4" thick & pointing with cement						
Drawing & Dining room	1	36—0		18—0	648	
Bed room	2	24—0		16—0	768	
Verandahs		153—9		6—8½	1061	
do Archways	21	5—11½		1—6	161	
Door pieces	14	8—0		1—6	84	
Window recesses	4	4—0		0—9	12	
do "	2	2—6		0—9	4	
				Sq feet	2738	
Paving with 12" Sq: bricks.						
Steps front	1	22·11½	3—0		67	
do rear	1	15—9	3—0		47	
do do	2	3—6	3—0		21	
Flooring with 12" Sq: bricks & pointing with Cement					136	Sq

20,000—7-1-21.

[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Flooring Bath rooms & Store rooms with concrete 4" thick laid paved with bricks laid flat in mortar plastered over with cement ½" thick						2478 / 50
Bath rooms	2	14—0		6—10½	193	
Store rooms	2	12—0		6—10½	165	
Door pieces		43—6		1—0	44	
Do		34—0		1—0	12	
				Sq ft	3911	
Pointing Exterior						
Verandah round outside		254—0		15—0	3810	
do inside		345—0		10—0	3450	
Clear Storey						
Dining room front rear		66—0		7—6	495	
do Sides	2	27—0		4—6	243	
Bed rooms front rear roofed	2	62—0		4—6	558	
Sides & Soffits of Verandah arches	21	21—0		1—11½	496	9052
Deduct						
Verandah arches		425—6		8—0	1848	
Doors		104—0		8—0	320	
do		43—6		6—6	91	
Windows		44—0		5—6	88	
do		22—6		5—6	25	
do		43—6		5—0	70	
Ventilators		263—0		1—6	117	2562
				Sq ft	6490	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Plastering in two coats with 2 coats.						
Drawing room		108—0		16—0	1728	
Bed room	2	80—0		13—0	2080	
Bath room	2	44—9		10—0	835	
Do & Stone	2	37—9		10—0	755	
Door jambs & Soffits	17	20—6		1—6	523	
do	4	19—0		1—1½	77	
Window jambs sides Sills & soffits	4	15—6		1—6	93	
do	2	14—0		1—6	42	
do	4	14—0		1—1½	63	
Window sills	4	4—0		0—9	12	
do	2	2—6		0—9	4	
do	4	3—6		0—4½	5	
Louvre sides	12	0—9		2—6	23	
do	8	0—4½		3—0	9	
Ventilators sides Soffits & sills	2	9—6		1—1½	21	
do do	4	9—6		1—6	57	
do Sides & sills	20	6—0		1—6	180	
Inside and upper portion of parapet walls.						
For Verandah.						
For rooms		248—0		2—1½	527	
		225—0		2—4½	559	7592
Deductions.						
For doors.						
do.		244—0		8—0	765	
		4 3—6		6—6	91	
				Square	859	7592

20,000—7-91.

[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
						2928/57
Brought forward.					859	7592
For Windows	4	4—0		5—6	88	
do	2	2—6		5—6	28	
do	4	3—6		5—0	70	
Ventilators	26	3—0		1—6	117	1162
				Square ft	6430	
Wood ceiling 3 coats.						
Roof timbers						
Drawing & Dining room beams	2	18—0		3—8	132	
do joists	13	36—0		1—7½	761	
Bed room beams	4	16—0		3—2	203	
Joists	24	24—0		1—3	720	
Verandah & Bath room joists	13	3 6—10½		1—1	1103	
do at angles		10 4—0		1—1		
Verandah Beams	2	6—10½		1—4½	71	
do	4	9—6		1—4½		
Venetian & panel doors	10	4—0	3 times	8—0	960	
Panelled doors	7	4—0	2	8—0	448	
Venetian windows	4	4—0	3½	5—6	404	
do	2	2—6	3½	5—6		
				Square feet	4302	
Painting Doors & Windows &c.						
Exposed to the weather.						
Bath room doors	4	3—6	2¼ times	6—6	205	
do Windows	4	3—6	3½	5—0	245	
Ventilators	4	3—0	2¼	1—6	243	
do	2	3—0	2¼	1—6		
do Sinkets	20	4—0		2—0	160	
				Square feet	853	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Filling in Basement						
Drawing & Dining room	1	35-7½	17-7½	1-6	942	
Bed rooms	2	23-7½	15-7½	1-6	369	
Verandahs		158-1½	6-6	1-6	1544	
Bath rooms	2	13-7½	6-6	1-6	265	
Store rooms	2	11-7½	6-6	1-6	226	
		Total	Cubic ft			3346
Matting including leather binding						
Dining and drawing rooms	1	36-0	18-0		648	
Bed rooms	2	24-0	16-0		768	
			Total		Sq.	1416
Teakwood punkahs 10 ft long with brown holland fringes brass wheels, hooks, and other fittings including suspenders & pulling ropes &c. Complete	4	10-0	"	"	4	4
Wooden plugs for insertion in the wall for hanging pictures	L S					Rs 10
Gravelling					Sq	9·50
Bamboo blinds including blue cloth tape, rope pulleys &c. Complete.						
For Verandah archways	21	5-6		9-0	1039½	Sq ft 1040

20,000—7-1-91.

[P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

2278/52

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Hedge and gate	L S					Rs 150
Road	L S					Rs 100
Well	L S					Rs 400
Clearing site &c	L S					Rs 40

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Kitchen and Servants quarters.						
Excavation & filling in basement.						
Wall all round		90	6	3	1620	
Cross walls	2	8	6	2½	80	
Fire places	2	2	6	1	24	
Steps	3	3	6	1	54	
				Cubic ft	1778	
Concrete						
Wall all round		90	6	3	1620	
Cross walls	2	8	6	2½	240	
Fire places	2	2	6	1	24	
Steps	3	3	6	1	54	
				Cubic ft	1938	
Brick in mud for foundations & basement.						
Wall all round		90	6	2	1080	
Do		90	6	1	540	
Cross walls		90	6	1½	810	
Do	2	9	3	1½	81	
Fire places	2	9	1½	6	162	
Steps	2	2	6	1	24	
	3	3	1	0	9	
				Cubic ft	2706	

(P. W. D. Code, Edition of 1886—Paras. 921, 931.)

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Superstructure						
Wall all round		90	6	1	1080	
Cross walls	2	10	6	1½	180	
Gable ends	2	10	6	1	60	
Do	2	10	1½	1	30	
Fire place pyab	1	10	2	6	60	
" "	1	10	1	6	10	
" "	2	2	6	9	20	
" "	2	2	9	9	20	
" Chimney over roof	1	2	6	6	8	
" Cap over do	1	2	9	9	20	
						1471
Deductions						
Door ways	2	3	1	6	30	
Windows	3	3	1	6	54	
Arches under pyab	2	3	2	6	30	
Arch work	2	4	2	6	60	
do	3	4	1	6	72	
do	3	4	1	6	72	
				Cubic ft		310
Arch work brick in chunam						
Door ways	3	4	1	6	72	
Windows	3	4	1	6	72	
Arch under pyab	2	4	2	6	60	
Arch in front of Fire place	1	8	6	9	30	
do Door do	1	10	6	6	36	
				Cubic ft		270

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Carpenter work for Gable ends	2	16 — 0		0	32	Sft. 32
Plastering inside						
Room including Gables	3	40 — 0		9 — 6	1140	
Jambs and soffits of door ways	3	15 — 0		1 — 6	68	
Do Windows	3	14 — 0		1 — 6	63	
Do Arch under fire place	2	3 — 6	2 — 6	0	18	
Do Do in front Do	1	12 — 6	0 — 9		9	
Do Do	1	9 — 6	1 — 9		17	1315
Deduction						
Door ways	2	3 — 0		6 — 0	54	
Windows	3	3 — 0		4 — 0	36	90
				Sqr. ft.		1225
Whitewashing to Ceils.		Square feet.			1225	1225
Painting outside						
All round outside	0	96 — 0		7 — 6	720	
Gable ends	2	13 — 0		2 — 0	52	
Basement all round	0	98 — 0		1 — 3	123	
Round Chimney overhang	1	7 — 6		2 — 6	19	
Cap over Do	1	2 — 92 — 0		6		924
Deduction						
Door ways	3	3 — 0		6 — 0	54	
Windows	3	3 — 0		4 — 0	36	90
				Square feet		834

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ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Wood work						2928 / 54
Rafters for Couples	22	10 — 0	3 — 0	4	35	
Collar pieces	11	6 — 0	3 — 0	4	11	
Wall plates	2	33 — 0	0 — 9	2	4	
Total Off of Jungle wood and wrought and put up					50	Sft.
Roofing						
Over 3 rooms	0	36 — 9	0 — 0		735	
Deduct						
Space of chimney	1	2 — 3	1 — 6		3	
				Square feet		732
Flooring						
Verandah Quarters & Kitchen	3	10 — 0	10 — 0		300	
Deduct						
Fire place	3	2 — 0	1 — 6		11	
				Sq. ft.		289
Doors and windows						
Doors		3 — 0	6 — 0		54	
Windows		3 — 0	4 — 0		36	
Total Off of Jungle wood Battens Doors & windows					90	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Coach house & Stables.						
Excavation and filling in basement.						
Coach house	1	54	2	3	567	
Rear wall of Stables	1	28	6	2	171	
Side wall	1	12	3	2	72	
Pillars	2	3	2	2	36	
Partition walls	2	3	6	2	68	
				Cubic ft.		914
Concrete.						
Coach house	1	54	2	1	216	
Rear wall of Stables	1	28	6	1	86	
Side walls	1	12	3	1	36	
Pillars	2	3	2	1	18	
Partition walls	2	3	6	1	34	
				Cubic feet		417
Brick in mud Foundations & Basement.						
Coach house	1	54	2	2	216	
Do	1	54	1	10½	101	
Rear wall of Stables	1	28	6	2	66	
Do	1	28	6	1 10½	53	
Side walls	1	12	2	3	27	
Do	1	12	1	10½	23	
Partition walls	2	3	3	1	23	
Do	2	3	1	1	19	
				Cubic ft		552

20,000—7-1-91.

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P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Superstructure.						2978 / 55
Coach house		54	1	6 11	891	
Gable ends		2 10	1	6 9	53	
Rear wall of Stables		28	6	1 6	342	
Side walls of do.		1 12	1	6 8	153	
Gables		1 12	1	6 2	36	
Partition walls		2 10	6	9 5	77	1554
Deduction						
Arches belonging to Coach house		1 7	1	6 6	58	
Circular portion		1 19	3	area 6	29	
Arches &c.		1 13½	1	6 1 6	30	117
				Cubic ft.		1437
Brick in Chunam						
Pillars		2 2	2	1 0	10	
Do arches		2 1	10½	10½ 1 0	7	
		2 1	6	1 6 7 6	34	
				Cubic ft		51
Arches of Brick in Chunam.					30	30 cft
Cornice work for gable		3 16	0		48	
do						
				Sq ft.		48
Plastering inside						
Coach house		1 48	0	11 0	528	
Gable ends		2 10	0	1 9	35	
Rear wall of Stables		25	6	8 6	217	
do over partition wall		2 0	9	3 6	5	
Side walls		2 12	0	14 0	336	
				C Quan.		1121

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward.					1121.	
Partition walls.	2	8-6		11-9	193	
Jambs & soffits of archways	4	2-2	1-6		33.	1337
Deduction						
Archway Rectangular	2	1-7		5-6	39.	
In Coach house Gable partition	1	1-3	area		19.	58
				Sq feet		1279.
Whitewashing & Coats.		Sq area feet				1279.
Painting Dado &c						
Coach house wall		46-6		10-0	465.	
Gable ends.	2	13-0		2-0	52	
Basement to do.		47-4½		1-3	59	
Rear wall of Stables	1	23-6		8-0	225.	
Side wall of do.	1	13-6		8-0	108	
Gable ends do.	1	13-6		1-9	24	
Pillars	2	4-6		7-6	68	
"	1	1-6		7-6	11	
Basement.	4	24-11½		1-3	43.	1055
Deduction						
Archway.	1	7-0		5-6	39.	
	1	19-3	area		19.	58
				Sq area feet		1000

20,000—7-1-91.

P. W. D. Code, Edition of 1886—Paras. 921, 931.]

P. W. D. Form, No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Wood work						
Rafters for Couples to Coach house	11	10-00	3-0	4-9	2-0	
	2	9-6	0-3	0-6	4-6	
Collar pieces		10-7	0-3	0-6	3-0	
Wall plates		2-6	0-4	0-2½	1-0	
Breastsummer to stables		1 30-0	0-5	0-7	3-6	
Wall plates to do		1 23-0	0-4	0-2	1-6	
Rafters for Couples		33 10-0	0-3	0-4	31-8	
Collar pieces		19 8-0	0-3	0-4	12-8	
Ridge pieces		1 4-6	0-3	0-4	0-6	
Valley rafters.		2 5-0	0-3	0-4	0-10	
Jack rafters.		4 2-0	0-3	0-4	1-0	
					Cub ft 78 10-2 or 79 Cub ft	
Roofing						
Coach house.		2 13-6	10-3		279	
Stables.		2 29-3	10-3		600	
					Sq ft.	879
Flooring						
Coach house.		1 14-0	10-0		140	
Stables.		3 10-6	10-6		331	
Between pillars		3 3-0	1-6		36	
Recess in front of Stables.		3 8-0	8-0		192	
& Coach house.		1 7-0	4-0		28	
					Total Sq feet	727

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Iron hinges 4" Dr to be leaded in a Stone block and firmly fixed in the ground for tying horses.	3	"	"	"	3	3 Nos
Bamboos 3" D 8½ feet long to each stable.	6	"	"	"	6.	6 Nos

13

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Main building.				
6650	Cft Excavation for foundation	0-10-0	100	26	
2874	" Concrete	14-0-0	Cft 100	402	
3430	" Foundation & basement with Stock bricks in chunam	19-3-0	"	670	
6937	" Superstructure with do do	20-8-0	"	1422	
471	" Brickwork with do do	23-8-0	"	111	
15	" Cut stone work	2-0-0	Cft	36	
127	" Teak wood wrought & put up for lamps	3-0-0	"	376	
357	" Teak wood wrought and put up for joists	3-8-0	"	1225	
320	Sqft Pairs of Teak wood doors 1/3 panel & 2/3 Venetians including frames 3½ × 5 hinges bolts locks & other fittings complete.	1-4-0	Sqft	340	
224	" Pairs of teak wood panel doors including frames 3½ × 5 hinges & other fittings Complete.	0-14-0	"	196	
91	" Pairs of teak batten doors including frames 2½ × 5 × other Steam fittings Complete	1-0-0	"	95	
	Carried over.			4992	
	Grand Total of Estimate ..				

2978 / 57.

7 #27#

3-7 3-5

STATION _____

Dated _____ 189 .

Executive Engineer.

Reference to Madras P. W. D. Code,
Edition of 1886.
Paras. 921, 932, &c., 949, 952—955, 962—964.

P. W. D. Form No. M 207.

Circle—

Division—

District—

Taluk (or Estate in case of Estate Works)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward.			4992	
186 Sft	Pairs of teak Venetian windows including frames 3½"×5" hinges hooks bolts & other fittings complete	1-2-0	sft	209	
108 "	Teak Ventilators with swing panelled shutters over side pivots including frames & pulling tapes &c complete	1-3-6	D°	132	
9 "	Teak Ventilators with swing glazed shutters over side pivots including frames &c.	1-2-0	D°	10.1	
70 "	Teak panelled Screen complete between Dining & Drawing rooms.	1-0-0	D°	70	
3286 "	Terracing with brick on edge Jelly 3" thick 3 courses of flat tiles & 3 coats of plastering on top and Ceilings	27-0-0	100 sft	887	
	Carried Over			6300	

2378 / 58

Grand Total of Estimate ..

Station ——— 189 .

Dated ———

~~Executive Engineer.~~

40,000—22-5-91

REFERENCE TO MADRAS P. W. D. CODE,
EDITION OF 1886.
PARAS. 921, 932, &c., 949, 952—955, 962—964.

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Brought forward.			6300	
2738 Sft	Flooring with 3" Sq: bricks in chenam over a bed of concrete 4" thick and pointing with Portland Cement	4-12-0	100	325	
135 "	Paving the steps with 12" Sq: bricks & pointing with Portland Cement	9-12-0	"	13	
394 "	Flooring with concrete 4" thick laid panned with bricks flat in mortar & then plastered over with Portland cement ½" thick	12-12-0	"	49	
6490 "	Painting with cement outside	2-0-0	"	130	
6430 "	Plastering with a coat of Chenam polished inside	2-8-0	"	161	
4802 "	Wood oiling 3 Coats to inner doors & rough timbers	1-2-0	"	54	
868 "	Painting doors & windows & exposed to the weather with 3 coats of Carsons Oak paint	2-12-0	"	24	
		Carried Over.		7056	
	Grand Total of Estimate ..				

2928/53

STATION _____
Dated _____ 189 .

Executive Engineer.

40,000—22-8-91

Reference to Madras P. W. D. Code,
Edition of 1886.
Paras. 921, 932, &c., 949, 952—955, 962—964.

Circle—

Division—

District—

Taluk (or Estate in case of Estate Works)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Brought forward.			7056	
2346 Cft.	Filling in basement with earth.	2-8-0	100 Cft.	8	
1446 Sft.	Matting including lathe beading	6-0	100 Sft.	85	
4 Nos.	Teak wood planks 10ft long with brass hollands fringes brass wheels, hooks & other fittings including screwing & pulling ropes complete			80	
	Teak wood plugs for insertion in the wall for nailing pictures &c	"	"	10	
9 50 Sft.	Gravelling 3" thick	1-10-0	100 Sft.	16	
1040 Sft.	Bamboo blinds including blue cloth iron hooks rings tape ropes, pulleys &c complete			93	
	Hedge & Gate.	"	"	150	
	Forming new roads.	"	"	100	
	Sinking a well.	"	"	400	
	Clearing site	"	"	80	
	Carried down.			8048	

Grand Total of Estimate ..

STATION

Dated 189

40,000—22-8-91

Executive Engineer.

2928/60

REFERENCE TO MADRAS P. W. D. CODE,
EDITION OF 1886.
PARAS. 921, 932, &c., 949, 952—955, 962—964.

P. W. D. Form,
No. M 207.

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which
the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

17

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Brought forward				8042
	Kitchen & Servants Quarters.				
646 Cft.	Excavation & filling in basement.	0-10-0	C.ft. 100	3	
331 "	Concrete	14-0-0	C.ft. 100	46	
461 "	Foundation & basement country brick in mud.	12-0-0	"	54	
1260 "	Superstructure do.	12-8-0	"	158	
99 "	Arch work brick in Chunam	19-0-0	"	18	
32 Sft.	Cornice work	0-3-0	Sft.	6	
1270 Sft.	Plastering with coat of Chunam.	1-0-0	C.ft. 100	20	
834 "	Whitewashing 2 coats	0-2-0	"	2	
834 "	Pointing with cement	2-0-0	"	17	
50 Cft.	Jungle wood wrought and put up	2-0-0	Cft.	100	
732 Sft.	Roofing with tin Creepers pantiles and Chunam cordons. Complete	11-0-0	Sft. 100	84	
289 "	Flooring with Gravel 4" thick well watered & rammed	2-0-0	"	6	
90 "	Jungle wood batten doors & windows with frames & Iron fastenings Complete	0-8-0	Sft.	48	862
	Carried Over				8904
	Graud Total of Estimate ..				

STATION—
Dated— —189 .

Executive Engineer.

9378/61

REFERENCE TO MADRAS P. W. D. CODE,
EDITION OF 1886.
PARAS. 921, 932, &c., 949, 952—955, 962—964.

P. W. D. FORM,
No. M 267.

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which
the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

18

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Brought forward				8604
	Cook House & Stables.				
914 Cft.	Excavation & filling in basement.	4-0-0	Cft. 100	4	
417 "	Concrete	16-0-0	"	68	
553 "	Foundation & basement country bricks in mud	12-0-0	"	66	
1437 "	Superstructure do	12-8-0	"	180	
57 "	Country bricks in chunam	17-0-0	"	9	
30 "	Archwork do	19-5-0	"	6	
68 Rft.	Cornice work do	0-3-0	Rft.	9	
1279 Sft.	Plastering with 1 Coat of chunam	1-4-0	Sft. 100	20	
1279 "	Whitewashing 2 coats	0-2-6	"	2	
100 "	Pointing with cement outside	2-0-0	"	20	
79 Sft.	Jungle wood wrought and put up	2-0-0	Cft.	158	
979 Sft.	Roofing with teak rafters & chunam nails partitles & chunam borders Complete	11-8-0	Sft. 100	113	
729 "	Flooring with gravel 6" thick well watered and rammed	2-3-0	"	16	
	Carried Over—			661	8604
	Graud Total of Estimate ..				

STATION

Dated 189

Executive Engineer.

10,000.—22-8-91

Reference to Madras P. W. D. Code,
Edition of 1886.
Paras. 921, 932, &c., 949, 952—955, 962—964.

P. W. D. Form,
No. M 207.

Circle—

Division—

District—

Taluk (or Estate in case of Estate Works)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

7 19

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Brought forward			661	8604
3 No.	Iron rings 4" Dr to be leaded in a stone block & firmly fixed in the ground for tying horses	2-0-0	E	6	
6 "	Bamboos 3" Dr & 9½ feet long	0-8-0	"	3	
					670
					9274
	Contingencies @ 5 per Cent			464	
	Petty Supervision @ 2½ per cent			232	
					696

Grand Total of Estimate .. 9970

2528/63

Station Chepauk
Dated 5th September 1891.

[illegible] Captain R.E.
~~Executive Engineer.~~
Offg Consulting [illegible] to Govt.

10,000—22-6-91

REFERENCE TO MADRAS P. W. D. CODE,
EDITION OF 1886.
PARAS. 921, 932, &c., 949, 952—955, 962—964.

P. W. D. Form
No. M 207.

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work— Standard design for a Residence for Head Assistant Collector with Cattle house.

Amount of Estimate, Rs— 9,770/-

To be carried out by—

REFERENCES.

Sub Collector's residence

	Rs
(a) Estimated cost of construction	10,446
(b) " " " site	100
(c) 10% on (a) on account of Establishment and tools	1044
(d) Total Capital cost	11570
(e) 4% on (d) on account of interest	462·80
(f) 3% on (a) for repairs	313·38
(g) 10% on (f) for Establishment and tools	31·33
Total rent per annum	808·51
Rent per measem	67

8% of Rs 1166 the pay of a Sub Collector = Rs 93.

Head Assistant Collector's residence

	Rs
(a) Estimated cost of construction	8856
(b) " " " site	75
(c) 10% on (a) for Establishment and tools	885
(d) total capital cost	9816
(e) 4% on (d) for interest	392·64
(f) 3% on (a) for repairs	265·68
(g) 10% on (f) for Establishment and tools	26·56
Total rent per annum	684·88
Rent per measem	57

8% of Rs 768 a Hd Assistant Collector's pay } = Rs 61

Rev 1 8466 of 90. Govt 2744/90

Rev 1 9021 of 90.

Public Works Dept.

Note by the Chief Engineer, Public Works Department, dated 22nd November 1890.

2928/65

With reference to G. O. dated 14th October 1890, Nos. 6202 Revs. two rough plans and estimates, are submitted for the approval of Government, one for a Sub Collector's quarters costing approximately Rs 10,446 and the other for a Head Assistant Collector's quarters costing Rs 8856. The rent of these buildings calculated according to Public Works Code rules will be Rs 67 and 61 per mensem respectively or well within 6 per cent of the salary of officers of the ranks named. The estimates include the cost of out offices, which will be similar to those given in the Supg. Engineer's plans for the Gudur residence, with the addition of a coach house.

† Vide statement annexed.

2. The estimates are based on rates prevailing in the Nellore district, and rates vary greatly in different parts of the country, but it is not likely that the cost of similar

similar buildings in other districts will greatly if it all exceed the authorised limit. The cost of land has been entered in the statement at Rs 100 for a Sub Collector's house and ~~Rs~~ 75 for a Head Assistant Collector's, but these figures too will no doubt vary considerably in different places. The scale of accommodation proposed is however about the minimum that can be allowed for Sub and Head Assistant Collectors, and if the plans meet with approval in the Revenue department it is suggested that the Government of India be asked to sanction their adoption as standard designs irrespective of varying cost in different localities.

3. If the plans be approved in the Revenue Department, the construction of a residence for the Head Assistant Collector at Gudur can at once be sanctioned by Government.

Col. R.E.
Chief Engineer
S.I.R.

22-11-90

Rev 2/844 of 90
Rev 2/902 of 90

2

Memorandum by the Chief Engineer P.W. Deptt. 2978/66

The undersigned has no hesitation in saying that it is physically impossible to build houses on the scale apparently contemplated by the Board of Revenue, and at the same time keep their cost within eight, or even within ten per cent of the pay (Rs. 768) of a Head Assistant Collector.

2. The estimate immediately in question is for Rs. 12,114/- and under existing rules the proper rent would be about Rs. 90 per month or nearly twelve per cent on the full pay of the office, and this estimate is for accommodation which the Board considers too small.

3. The use of inferior materials, such as brick in mud and thatched roofs, is directly opposed to the rules of this department, and is in itself objectionable

objectionable. It would moreover lead to a very small reduction in the rent to be charged, as the increased cost of repairs, which have to be provided for in the rent, will go far to swallow up the saving in interest by the reduced first cost.

4. It appears desirable for Govt: to lay down a definite scale of accommodation to be provided for officers of various grades, and in connection therewith to consider whether it is necessary that quarters for a Head Assistant Collector, who appears to be usually an officer of less than six years service, should be provided on the supposition that he is a married man.

5. Sufficiently comfortable quarters for a bachelor can be built for the Rs. 8,100/- to which the cost is limited by G.O. No. 1365 dd 21st May 1889, but it is certain that if three bedrooms and three or four bath rooms, besides two sitting rooms, are to be provided, either

Ref. G.O. 3675-

either the rooms must be inconveniently small, or the cost must greatly exceed the sum named.

Col Rt.

21.10.90 Chief Engineer, PWD

2978/67

G.O. 2772W d/20.11.85
" 3227W d/25.11.87
" 536W d/24.2.87
" 2970C d/7.8.88
" 3629W d/16.11.88
" 1578W d/23.6.84
" 1899W d/5.8.84
" 336W d/13.2.85
" 574W d/11.3.85
" 1458W d/23.6.85
" 1253W d/29.5.85
" 2981W d/22.9.88
" 248W d/30.1.89
" 2239W d/25.9.85
" 801W d/31.3.85
" 4026W d/24.12.88 Origl
" 274W d/1.2.89
" 1365W d/21.5.89

Rev 3/9021 of 90

Rev 3/8460 of 90.

3/Local 2741/90

Plan 1

REVENUE DEPARTMENT.

2278/68

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read again the following G.O. dated 4th December 1890 No 7466 on Memo from the Public Works Department dated 22nd November 1890 No 4842 C. (transferring to the Revenue Department for consideration a note by the Chief Engineer P.W.D on two rough plans and estimates for a Sub Collector's and a Head Assistant Collector's quarters and also forwarding for perusal another note by the same officer with the remarks of the Hon'ble Member.

Order: The notes of the Chief Engineer will be referred to the Board of Revenue for remarks.

Read also the following Proceedings of the Board of Revenue (Land Revenue) dated 12th December 1890 No 7936 Mis on G.O dated 4th December 1890, Mis No 7466 Rev.

Resolution

The Board approves of the designs now prepared by the Chief Engineer with the following modifications.

(a) One of the store rooms in each case should be converted into a bath room;

it

It will be easy to use it as a store room; if a married man is not using the house.

6. An additional stall in the Stable and an additional room to the Servants building should be added for the Subcollectors house; a Head Assistant may perhaps do with the accommodation provided but a Subcollector, who will often be a married man and whose establishment and staff is larger, will need more room.

Order thereon 5th January 1891 No 8.

Transferred to the Public Works Department with the remark that the modifications suggested by the Board are suitable and should be adopted.

(True Extract)

Secretary to Govt

To
The Public Works Dept
with notes and enclosures in original
" Commrs of Land Revenue.

2878/69

Rec 2

No. 122 C d/ 12 January /91

Forwarded to the Consulting Architect for preparation of type designs, schedules of Quantities and descriptive Specifications —

2 — The Consulting Architect will doubtless be able to effect some improvements in the plans made in this office, without materially adding to the cost at normal rates.

3. The modifications suggested by the Board of Revenue should be carried out.

The return of these papers is requested.

W. M. Baird... Major
~~Colonel~~ R.E.

Under Secy to Govt P.W.D.

189 .

P. W. DEPARTMENT.

Current No. ~~193~~ / ~~9~~ /91 1171

From

Revenue Dept.

Enclos.— 16 (x files)

No. 8

Dated 5 - 1 - 91

Received 8 - 1 - 91

SUBJECT.

Ent. Collectors and Head Asst. Collectors quarters at Gudur — Remarking that the modifications suggested by the Board in the designs for the — are suitable &c —

DISPOSAL.

No. dated

Forwarded.

Rec 3

P. W. D.

Office of the Consulting Architect to Govt.,
Chepauk, Madras,
7 September 1891.

No. 2233

From Captn. W. M. Ellis R.E.
~~Henry Irwin, Esq., C.I.E.,~~
Offg. Consulting Architect
to the Government of Madras,

2978/70

To The Chief Engineer
Public Works Department
Madras

Sir,

5 Enclosures.

With reference to your No. 122 C of 12th January 1891 I have the honor to submit Standard design for a Residence for Head Assistant Collector with Outhouses with Specification and schedule of quantities amounting to Rs 9970/- which has been prepared on the Presidency rates.

Design and Estimate for a Residence for Sub Collector and the original papers received with your endorsement under reply will follow.

I have the honor to be
Sir
Your most Obedt Servt
W. M. Ellis Captain
Offg Consulting Architect to

memo No. 122 C d/ 12-1-91
memo No. 1003 C d/ 20-3-91
Pr. B No. 488 W d/ 19-2-91
" A " 802 W d/ 13-3-91
" " 1573 W d/ 9-6-91
" " 2150 W d/ 11-8-91
memo No. 3793 C d/ 22-8-91
Pr. B No. 2317 W d/ 27-8-91

9529
11/9/91

Public Works Department.

From

The Consulting Architect
to the Government of Madras,

To

The Chief Engineer
P.W.D
Madras

No. 2233

Dated 7 } September 1891.
Received

No. of Enclosures. 5 x 2 plan

Subject.

Submitting Standard design for a residence for Head Assistant Collector with out-houses.

C/ Rev 75 11/9/91

8/10

P. W. D.

Office of the Consulting Architect to Govt.,
Chepauk, Madras,
11th September 1891.

RCC04

No. 2306

From

Henry Irwin, Esq., C.I.E.,
Consulting Architect
to the Government of Madras,

2978
72

To

The Chief Engineer
Public Works Department
Madras.

Standard design for Hd Asst. Collr residence

Sir,

x with C No 9529 with T dt 8-9-91

In continuation of this Office No 2233 dated 7th Instant I have the honor to submit Standard design for a Residence for Sub Collector with Outhouses with Specification and Schedule of quantities amounting to Rs 11610 which has been prepared on the Presidency rates.

The enclosures received with your memo No. 122 C d/ 12th January 1891 are herewith returned.

I have the honor to be
Sir
Your most obedt Servt
[signature] Captain R.E.
Offg Consulting Architect to Govt

Enclosures. 21
3 Tracing plans
2 Pencil plans
1 Orgl Esti: with Abstract
1 Specification
1 Detailed Data
2 Rough Estimates marked A & B.
1 Chief Engr's note d/ 22-11-90.
1 Statement
1 memo by the Chief Engr P.W.D d/ 21-10-91
1 Office note d/ 25-10-90.
1 G.O No 8 d/ 5-1-91
1 memo No. 122 C d/ 12th Jany 1891 from the Under Secy
2 Tracing plans
1 Detailed Estimate
1 Abst do
1 Descriptive Specification
21 New design

x Vide above note

41 21/11/91

Public Works Department.

From

THE CONSULTING ARCHITECT
TO THE GOVERNMENT OF MADRAS,

To

THE Chief Engineer
P.W.D

3528/74

No. 2306

Dated 11th September 1891.
Received

NO. OF ENCLOSURES. 21
(+ 7 plans)

Subject.

Submitting plans & Estes: for standard design for a Residence for Sub Collector.

8/Rev 7542/94

8/149

PLCN 5

REVENUE DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read Memo: from the Public Works Department, dated 19: September 1891 No. 911 D. forwarding for final approval, type plans with estimates &c. for Sub & H. A. Collectors' residences.

Order thereon 5th November 1891 No. 5709. 2928/74

The plans seem suitable and are approved.

2. It is observed that the cost of the design for the Head Assistant Collector's residence is slightly in excess of the limit prescribed by the rules, but the Estimate of cost is based on rates obtaining in the Presidency Town which will generally be higher than those prevailing in the Mofussil and the actual cost will probably not exceed the limit prescribed in any case.

(True Extract)

[signature]
Secretary to Government

To
The Public Works Depts: with encs:
Copy — " — Commrs. of L. R.

M

Govt. of {189 } Madras.

REVENUE.

To

Dated
Recd. } Encl.

Mis. G.O., 189 , No.

SUBJECT.

No. 602 W d/ 3-3-91
" 1603 C " 20-3-91
" 488 W " 19-2-91
" 1573 W " 9-6-91
" 2150 W " 11-8-91
" 3793 C " 22-8-91
" 2317 W " 27-8-91
" 911 D " 19-9-91.

P. W. CURRENT No. 11710

Vide Cur 11710

To be retained till a reply is received from the [illegible]

P. W. DEPARTMENT.

READ the following :—

Proceedings of Govt. Revenue Department, No. 6202 d/ 14th October 1890

Memorandum by the Chief Engineer Rds. No. - d/ October 1890.

2928/25

FOR ORDERS.

[illegible]

Accommodation for [illegible] [illegible] & Head Assistants [illegible] provided on the assumption that they are unmarried men. The house [illegible] contain

1 sitting room
1 dining room
2 bed rooms
2 dressing rooms
2 bathrooms.

There [illegible] also be a kitchen, stabling for 3 horses, & a coach house, besides godowns (if possible) for stores & servants.

[illegible] [illegible] the accommodation [illegible] [illegible] be the [illegible] [illegible] sitting room might be larger & 2 more bathrooms might be added. The [illegible]

I think this accommodation will be enough but can it be provided for R 8100? What has been done with the estimates for a Head Asst. Coll's house at Nandial?

JG 25/10

Re for the Chief Engr & the Rev. Secy. Who will discuss the matter with me on Tuesday the 4th Nov. after Council

J H G
24/10/90

~~Hsu (1)~~
~~Hsu (2)~~

~~For order~~

2978 W

Hsu 21. x. 90
R27
Rev. 4/8460 of 90.

No. 2978 W d/ 7 Nov. /91

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

2978/76

READ the following

Pros. of Govt. Revenue Dept. N.E. No. 8 d/ 5" Jany. '91
Endt. in the P.W. Dept. N.E. No. 122C d/ 12 Jany. '91
From the C.A. to Govt. N.E. No. 2233 d/ 7 Sep: '91
— do — do — N.E. No. 2306 d/ 11 Sep: '91
Pros. of Govt. Revenue Dept. N.E. No. 5709 d/ 5" Novr. '91

6

The type designs w/ descriptive specifications and schedules of quantities for Sub and Head Asst. Collectors' residences will be circulated to officers of the P.W. Dept. for information and guidance.

S 6.11

Ins 7 Nov.

Designs issued 6/4/92 vide Designs with ~~to follow~~ not attached

OWB 6.11.91

18/11/91

To

The Supdg. Engineers
C.A. to Govt.
Rev. Dept.

Cu

2978/77

Ans. 6-11-91. R/-XI-91

C.M.

...of 1891 ...

[P]UBLIC WORKS.

No 91 8th 9978

7.11.91 2978w

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[A]ssistant C...

[R]esidences

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Supersedes

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officers of ...

for information ...

guidance

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11/12/11

31-5-11. B.T.

14-12-11

E1

4488/12