(1) பக்கங்களின் எண்ணிக்கை 38

(2) புதுக்கித் திருப்பிய நாள் 24.4.97.1991

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PWD துறை

6

அரசாணை எண். 1671(W) அச்சகம்
மு. கோப்புத் தாள் எண். ~~வகை~~

நாள் : 2-6-1852 198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

19 Sheets

ஆவண. கா-1—18,006—15-6-87.

7

1621/1

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. 2283.

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.

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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.)

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

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

Exd. C. A. Munisawmy.
Spare Copies

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.

1621/7

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 ood, 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.,
5th September 1891. Offg. Consulting Architect to Government.

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 9	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	
Do. rear	1	13 9	2 0	0 6	14	
	1	11 9	1 0	0 6	6	
	2	3 6	2 0	1 6	21	
Total, cubic feet ..	..	..	..	..	..	3,435
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	2,478	
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 2½	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		
Cornice over verandah arches and windows ..	..	243 6	0 3	0 3	15	
						9,795
Deductions—						
Verandah archways	21	5 6	1 7½	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

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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
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	130	
Do. at angles	8	6 6	0 3	0 5		
Do. at ,, ...	8	5 0	0 3	0 5		
Do. at ,, ...	8	3 6	0 3	0 5		
Do. at ,, ...	8	2 0	0 3	0 5		
Do. beams	2	8 10½	0 4½	0 6	12	
Do. ,, at angles	4	11 9	0 4½	0 6		
Lintels for ventilators in bed rooms ..	20	4 6	1 6	0 3	34	
Total, cubic feet ..	..	..	..	..	..	351
Teakwood doors ½ 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	
For bath and store rooms	4	3 6	..	5 0	70	
Total, square feet ..	..	..	..	..	..	sq. ft. 186
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 0	..	6 8½	1,061	
Do archways	21	6 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	243	
Bed rooms, front, rear and end ..	2	62 0	..	4 6	558	
Sides and soffits of verandah arches ..	21	21 0	..	1 1½	496	
						9,052
Deductions—						
Verandah arches	42	5 6	..	8 0	1,848	
Doors	10	4 0	..	8 0	320	
	4	3 6	..	6 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	
	4	3 6	..	0 4½	5	
Do. recess sides	12	0 9	..	2 6	23	
Do.	8	0 4½	..	3 0	9	
Ventilators, sides, soffits and sills ..	2	9 6	..	1 1½	21	
	4	9 6	..	1 6	57	
Do. sides and sills	20	6 0	..	1 6	180	
Inside and upper portion of parapet walls—						
For verandah	..	248 0	..	2 1½	527	
For rooms	..	235 0	..	2 4½	558	
						7,592

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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 of rooms, &c., with two coats—cont.						
Deductions—						
For doors	24	4 0	..	8 0	768	
	4	3 6	..	6 6	91	
For 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	
						1,162
Total, square feet ..	..	..	..	..	..	6,430
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		
			Times.			
Venetian and panel doors	10	4 0	3	8 0	960	
Panelled doors	7	4 0	2	8 0	448	
Venetian windows	4	4 0	3½	5 6	404	
	2	2 6	3½	5 6		
Total, square feet ..	..	..	..	..	..	4,802
Painting doors and windows, &c.						
Exposed to the weather—			Times.			
Bath room doors	4	3 6	2¼	6 6	205	
Do. windows	4	3 6	3½	5 0	245	
Ventilators	24	3 0	2¼	1 6	243	
	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	2	13 7½	6 6	1 6	265	
Store do.	2	11 7½	6 6	1 6	226	
Total, cubic feet ..	..	..	..	..	..	3,346
Matting including leather binding—						
Dining and drawing rooms	1	36 0	18 0	..	648	
Bed rooms	2	24 0	16 0	..	768	
Total, square feet ..	..	..	..	..	..	1,416
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
Wooden plugs for insertion in the wall for nailing pictures	L.S.		..	..	..	Rs. 10.
Gravelling	..	..	..	..	..	Sq. ft. 9·50
Bamboo blinds including blue cloth tape, ropes, pullies, &c., complete—						
For verandah archways	21	5 6	..	9 0	1,039½	Sq. ft. 1,040.
Hedge and gate	L.S.		..	..	..	Rs. 150.
Road	L.S.		..	..	..	,, 100.
Well	L.S.		..	..	..	,, 400.
Clearing site, &c.	L.S.		..	..	..	,, 40.

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	2	8 6	2 7½	2 0	89	
Fireplace	2	2 6	1 6	1 0	8	
Steps	3	3 6	1 0	0 6	6	
Total, cubic feet	..	..	..	..	..	646
Concrete.						
Wall all round	..	90 6	3 0	1 0	272	
Cross walls	2	8 6	2 7½	1 0	45	
Fireplace	2	2 6	1 6	1 0	8	
Steps	3	3 6	1 0	0 6	6	
Total, cubic feet	..	..	..	..	..	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	
	2	9 7½	1 6	1 0	29	
Fireplace	2	2 6	1 6	1 0	8	
Steps	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	
Fireplace pyal	1	10 0	2 6	2 0	50	
	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	
Arch-work	2	4 0	2 6	0 9	15	
	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

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

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	
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	
Do. above	2	1 10½	1 10½	1 0	7	
	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 simicircular 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

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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
Deduction—						
Archway	1	7 0	..	5 6	39	
	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	
Collar pieces do.	10	7 6	0 3	0 4	6 3 0	
Wall plates	2	15 0	0 4	0 2"	1 8 0	
Bressummer to stables	1	30 0	0 5	0 7	7 3 6	
Wall plates to do.	1	28 0	0 4	0 2	1 6 8	
Rafters for couples	38	10 0	0 3	0 4	31 8 0	
Collar pieces	19	8 0	0 3	0 4	12 8 0	
Ridge do.	1	4 6	0 3	0 4	0 4 6	
Valley rafters	2	5 0	0 3	0 4	0 10 0	
Jack do.	4	3 0	0 3	0 4	1 0 0	
Total, cubic feet	..	..	..	..	78 10 2	or 79
Roofing.						
Coach-house	2	18 6	10 3	..	379	
Stables	2	29 3	10 3	..	600	
Square feet	..	..	..	..	..	979
Flooring.						
Coach-house	1	14 0	10 0	..	140	
Stables	3	10 6	10 6	..	331	
Between pillars	3	8 0	1 6	..	36	
Ramps in front of stalls	3	8 0	8 0	..	192	
Do. do. coach-house	1	7 0	4 0	..	28	
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	
6,937 ,,	Superstructure with do. do.	20 8 0	,,	1,422	
471 ,,	Archwork with do. do.	23 8 0	,,	111	
18 ,,	Cut-stone work	2 0 0	C. ft.	36	
127 ,,	Teakwood, wrought and put up for beams	3 12 0	,,	476	
351 ,,	Do. do. and do. for joists	3 8 0	,,	1,228	
320 Sq. ft.	Pairs of teakwood doors ⅓ panel and ⅔ 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	
3,288 ,,	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	,,	49	
6,490 ,,	Pointing with cement outside	2 0 0	,,	130	
6,430 ,,	Plastering with 2 coats of chunam polished inside.	2 8 0	,,	161	
4,802 ,,	Wood oiling 3 coats to inner doors and roof timbers.	1 2 0	,,	54	
863 ,,	Painting doors and windows exposed to the weather with 3 coats of Carson's oak paint	2 12 0	..	24	
3,346 C. ft.	Filling in basement with earth	2 5 0	1,000 C. ft.	8	
1,416 Sq. ft.	Matting including leather binding	6 0 0	100 Sq. ft.	85	
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.	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.	16	
1,040 ,,	Bamboo blinds including blue cloth, iron hooks, rings, tape, ropes, pullies, &c., complete	0 1 6	Sq. ft.	98	
	Hedge and gate	..	..	150	
	Forming new roads	..	..	100	
	Sinking a well	..	..	400	
	Clearing site	..	..	40	
	Kitchen and Servants' quarters.				
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	
5 ,,	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

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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	2,788	
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 5¼	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 2	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 1¼	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	16 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	
Extra thickness for basement course in verandah walls and piers		91 0	0 2½	1 0	205	
String course		255 0	0 3	0 6	32	
Parapet walls over drawing and dining rooms.		123 6	1 1½	1 3	174	
Do. bed and dressing rooms	2	73 3	1 1½	1 3	206	
Do. verandah		265 6	1 1½	1 0	299	
Exterior cornice for drawing and dining rooms.		130 0	0 6	0 9	49	
Do. bed and dressing rooms	2	76 6	0 6	0 9	57	
Do. verandah		272 4½	0 6	0 9	102	
Projection over verandah arches and windows.		251 0	0 3	0 3	16	
Deduction—						11,748
Verandah archways	23	5 6	1 1½	8 0	1,139	
	2	2 6	1 1½	8 0	45	
Doorways	18	4 0	1 6	8 0	864	
	4	3 6	1 1½	6 6	103	
Windows	8	4 0	1 6	5 6	264	
	4	3 6	1 1½	5 0	79	
Ventilators	28	3 0	1 6	1 3	158	
	2	3 0	1 1½	1 3	8	

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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
Deduction—*cont.*						
Lintels for ventilators	24	4 6	1 6	0 3	41	
Arch-work as per details	..	..	..	..	531	3,232
Net, cubic feet	..	..	..	..	..	8,516
Arch-work.						
Verandah arches	23	7 6	1 1½	1 1½	218	
	2	4 0	1 1½	1 1½	10	
Door ways	18	5 0	1 6	1 1½	152	
	4	4 6	1 1½	1 1½	23	
Windows	8	5 0	1 6	1 1½	68	
	4	4 6	1 1½	1 1½	23	
Ventilators	4	4 0	1 6	1 1½	27	
	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 joints	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 6½	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 .q. 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 and 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 with 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—						
Drawing and dining rooms, front and rear ..	..	55 0	..	7 6	413	
Do. do. sides ..	2	36 6	..	4 6	329	
Bed and dressing rooms, front, rear and ends.	2	75 6	..	4 6	680	
	23	21 0	..	1 1½	543	
Jambs and soffits of verandah arches ..	2	18 0	..	1 1½	41	9,826
Deductions—						
	46	5 6	1 1½	8 0	2,277	
Verandah arches	4	2 6	1 1½	8 0	90	
	10	4 0	..	8 0	320	
Doorways	4	3 6	..	6 6	91	
	8	4 0	..	5 6	176	
Windows	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	
Do. of windows	8	15 0	..	1 6	180	
	4	13 6	..	1 1½	61	
Window sills	8	4 0	..	0 9	24	
	4	3 6	..	0 4½	5	
Window recesses, sides	16	0 9	..	2 6	30	
	4	0 4½	..	3 0	5	
Ventilators sides, soffits and sills	4	8 6	..	1 6	51	
	2	8 6	..	1 1½	19	
Do. sides and sills	24	5 6	..	1 6	198	
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	
Windows	4	3 6	..	5 0	70	
Ventilators	30	3 0	..	1 3	113	1,282
Total, square feet ..	..	..	..	..	..	8,092
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	..	280 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.

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, pulleys, &c., complete.						
	23	5 6	..	9 0	1,139	
For verandah archway	2	2 6	..	9 0	45	
	..	..	..	..	..	1,184
Total, square feet ..						
			L.S.			Rs. 150
Hedge and gate			L.S.			,, 100
Road			L.S.			,, 400
Sinking a well			L.S.			,, 40
Clearing site, &c.						
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.						
	..	112 9	3 0	2 0	677	
Wall all round	3	8 6	2 7½	2 0	134	
Cross walls	2	2 6	1 6	1 0	8	
Fire places	4	3 6	1 0	0 6	7	
Steps						826
Total, cubic feet ..	..	..	..	..	..	
	..	112 9	3 0	1 0	338	
Concrete—						
Wall all round	3	8 6	2 7½	1 0	67	
Cross walls	2	2 6	1 6	1 0	8	
Fire place	4	3 6	1 0	0 6	7	
Steps						420
Total, cubic feet ..	..	..	..	..	..	
Brick in mud for foundation and basement.						
	..	112 9	2 3	1 6	254	
		112 9	1 10½	1 0	211	
Wall all round		9 3	1 10½	1 0	52	
	3	9 7½	1 6	1 0	43	
Cross walls	3	2 6	1 6	1 0	8	
Fire place	2	3 0	1 0	0 6	6	
Steps	4					574
Total, cubic feet ..	..	..	..	..	..	
	..	112 9	1 6	8 0	1,353	
Superstructure—						
Wall all round	3	10 0	1 6	8 6	287	
Cross walls	2	10 0	1 6	1 9	53	
	3	10 0	1 1½	1 9	59	
Gables	1	10 0	1 1½	2 0	50	
	1	10 0	2 6	0 9	11	
	2	2 6	1 6	6 0	23	
Fire place pyal	2	0 9	0 9	5 0	6	
	1	2 3	1 6	2 6	8	
Do. chimney over roof	1	2 9	2 0	0 9	4	
Do. cap over chimney						1,854
	4	3 0	1 6	6 0	108	
Deduction—						
Doorways	4	3 0	1 6	4 0	72	
Windows	2	3 0	2 6	1 0	15	
Arches under pyal	2	4 0	2 6	0 9	15	
Archwork pyal	4	4 0	1 6	1 3	30	
Do. doors	4	4 0	1 6	1 3	30	270
Do. windows						1,584
Total, cubic feet ..	..	..	..	..	..	
Arch-work.						
	4	4 0	1 6	1 3	30	
Doorwsys	4	4 0	1 6	1 3	30	
Windows	2	4 0	2 6	0 9	15	
Arch under pyal	1	8 6	0 9	0 9	5	
Do. in front of fire place	1	10 6	2 6	1 3	33	
Do. over fire place						113 cub. ft.
Total, arch-work ..	..	..	..	..	32	32 R. ft.
Cornice work for gable ends	2	16 0	..	..		

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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 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 of fireplace ..	1	12 6	0 9	..	9	
Do. do.	1	9 6	1 9	..	17	1718
Deduction—						
Doorways	4	3 0	..	6 0	72	
Windows	4	3 0	..	4 0	48	120
Total, square feet ..	..	..	..	..	..	1598
Whitewashing, square feet ..	..	..	..	..	..	1598
Pointing outside.						
	..	112 9	..	7 6	846	
All around outside	2	13 0	..	2 0	52	
Gable ends		114 3	..	1 3	143	
Basement all round	..	7 6	..	2 6	19	
Around chimney over roof	1	2 9	2 0	..	6	
Cap over chimney	1					1,066
Deduction—						
Doorways	4	3 0	..	6 0	72	
Windows	4	3 0	..	4 0	48	120
Total, square feet ..	..	..	..	..	..	946
Woodwork.						
	56	10 0	0 3	0 4	46 8 0	
Rafters for couples	28	6 6	0 3	0 4	15 2 0	
Collar pieces	2	43 0	0 4	0 2	4 9 4	
Wall plates						
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						
Net, square feet ..	..	..	..	..	..	955
Flooring.						
Servants' quarters and kitchens	4	10 0	10 0	..	400	
Deduct—						
Fireplace	3	2 6	1 6	..	11	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.						
	1	54 0	3 0	3 6	567	
Coach-house	1	38 0	3 0	2 0	228	
Rear wall of stables	1	12 0	3 0	2 0	72	
Side walls	3	3 0	3 0	2 0	54	
Pillars	3	8 6	2 0	2 0	102	
Partition walls						1023
Total, cubic feet ..	..	..	..	..	..	
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						471
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	5	6	7
Brick in mud.						
Foundation and basement.						
Coach-house	1	54 0	2 3	2 0	243	
	1	54 0	1 10½	1 0	101	
Rear wall of stables	1	38 0	2 3	1 0	86	
	1	38 0	1 10½	1 0	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	
	3	1 10½	1 10½	1 0	11	
Do. above	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
Total, square feet, plastering	..	..	..	..	..	1,447
Total, whitewashing, two coats	..	..	..	..	..	1,447
Painting outside.						
Coach-house wall	1	46 6	..	10 0	465	
Gable ends	2	13 0	..	2 0	52	
Basement to gable ends	0	47 4½	..	1 3	59	
Rear wall of stables	1	38 0	..	8 0	304	
Side walls do.	1	13 6	..	8 0	108	
Gable ends	1	13 6	..	1 9	24	
Pillars	3	4 6	..	7 6	101	
	1	1 6	..	7 6	11	
Basement	0	43 7½	..	1 3	54	
						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	
Collar pieces	10	7 6	0 3	0 4	6 3 0	
Wall plates	2	15 0	0 4	0 2	1 8 0	
Breast summers to stables	1	40 3	0 5	0 7	9 9 5	
Wall plates to stables	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	4 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, 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	
	4	10 6	10 6	..	441	
Stables	4	8 0	1 6	..	48	
Between pillars	4	8 0	8 0	..	256	
Ramps in front of stables	1	7 0	4 0	..	28	
Do. coach-house						
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.	Per	Amount.	Total.
1	2	3	4	5	6
	Main building.	Rs. A. P.		Rs.	Rs.
6,632 C. ft.	Excavation for foundation	4 10 0	1,000 C. ft.	31	
3,364 ,,	Concrete	14 0 0	100 ,,	471	
4,036 ,,	Foundation and basement with stock bricks in chunam	19 8 0	,,	787	
		20 8 0	,,	1,746	
8,513 ,,	Superstructure with stock bricks in chunam	23 8 0	,,	125	
531 ,,	Archwork with chunam	2 0 0	C. ft.	30	
15 ,,	Cut stonework	3 12 0	,,	514	
137 ,,	Teakwood, wrought and put up for large beams	3 8 0	,,	1,440	
411½ ,,	Do. do. for small joists				
320 Sq. ft.	Pairs of teakwood doors, ½ panel and ⅔ venetians, including frames 3½″ × 5″ hinges, hooks, locks and other fittings complete	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 pivots 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 holland 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 with 1 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	
129 ,,	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 cost 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	

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Estimate form—Abstract—*cont.*

Quantity.	Description of work.	Rate.	Per	Amount.	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 ,,	Bambo s, 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

1621/14

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From J. W. RUNDALL, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated Masulipatam, 16th October 1884, No. 617 N.L. :—

Head Assistant's cutcherry at Gúdúr—
1 Plan and 1 site plan.
1 Report by Superintending Engineer.
1 Report by Executive Engineer.
1 Specification.
2 General abstracts in duplicate.
1 Detailed estimate.

Deputy Collector's cutcherry at Atmakúr.
1 Site plan.
2 General abstracts in duplicate.
1 Report by Superintending Engineer.
1 Report by Executive Engineer.
1 Specification.

I have the honor, with reference to G.O., No. 1578 W., of the 23rd June last, to forward, herewith, estimates for the offices for the Head Assistant and Deputy Collector, Nellore district, to be constructed at Gúdúr and Atmakúr, respectively.

No. 1783 C., Public Works.

Forwarded for the approval of Government in the Revenue Department, with advertence to order, in that department, dated 17th June 1884, No. 759.

(By Order.)

CHEPÂK,
4th November 1884.

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

From J. W. RUNDALL, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated Bezváda, 22nd November 1884, No. 223 C.

The Consulting Architect has asked me to send him a site plan for the Head Assistant Collector's residence proposed to be built at Gúdúr, in the Nellore district.

2. A site plan showing both cutcherry and residence was sent to you with my No. 617 N.L. of the 16th ultimo.

3. I shall feel obliged if you would send this site plan to the Consulting Architect. It will save time if this plan be sent to him, instead of my writing to Nellore to have another drawn out.

G.O., dated 7th January 1885, No. 44, Revenue.

Read—the following memorandum from the Public Works Department, dated 20th December 1884, No. 2123 C. :—

ABSTRACT.—Asking for the return of the enclosures to Public Works No. 1783 C. of the 4th November 1884.

Order—dated 7th January 1885, No. 44, Revenue.

Communicated to the Board of Revenue with request that they will expedite reply to G.O., dated 14th November 1884, Mis. No. 5043, Revenue.

2. If the Collector's report is likely to be delayed, the site plan should be called for and returned at once.

(True Extract.)

(Signed) H. E. STOKES,
Secretary to Government.

G.O., dated 6th February 1885, No. 619, Revenue.

Read—the following endorsement by the Public Works Department, dated 4th November 1884, No. 1783 C. :—

ABSTRACT.—Forwarding, for approval, letter from the Superintending Engineer, II Circle, dated 16th October 1884, No. 617 N.L., submitting, for sanction, estimates, amounting to Rs. 14,622 and Rs. 5,574, for constructing Head Assistant and Deputy Collectors' cutcherries at Gúdúr and Atmakúr, Nellore district.

Read—also the following proceedings of the Board of Revenue, dated 19th January 1885, Mis. No. 442 :—

Read—endorsement by the Secretary to Government, Revenue Department, dated 14th November 1884, Mis. No. 5043, on that of the Public Works Department, dated 4th November 1884, No. 1783 C.

Read—the following letter from the Collector of Nellore, to the Secretary to the Board of Revenue, dated 6th January 1885, No. 114 :—

With reference to Government endorsement, Mis. No. 5043, dated 14th November 1884 (received through the Board), on letter, No. 617 N.L., dated 16th October 1884, from the Superintending Engineer, II Circle, I have the honor to state that I have no remarks to offer about the Head Assistant Collector's cutcherry to be constructed at Gúdúr; but the Head Assistant Collector thinks that the walls between the pillars in the northern and western faces of the shed for witnesses should be 4 feet high in order to afford some protection against the landwind and the north-east monsoon; that no partition wall is needed in the shed; that the shed should not face due south, but slightly to the east south so as to exclude the landwind, and that its floor should be 3 inches above the level of the ground.

2. As regards the Deputy Collector's cutcherry at Atmakúr, I am unable to give any opinion, as no plan of the building has been received with the Superintending Engineer's letter. The Deputy Collector suggests that a building for his residence may be constructed near the office quarters, charging rent on behalf of Government. I beg to support the Deputy Collector's suggestion.

3. The Superintending Engineer's letter, with its enclosures, is herewith returned.

Read—the following G.O., dated 7th January 1885, No. 44 Revenue :—

ABSTRACT.—Communicating to the Board of Revenue, with instructions, Public Works Department proceedings requesting the return of certain papers relating to the construction of Head Assistant and Deputy Collectors' cutcherries at Gúdúr and Atmakúr.

Resolution—dated 19th January 1885, Mis. No. 442.

The Collector's letter is submitted to Government, with reference to G.O., dated 7th January 1885, No. 44.

2. The Board suggest that the plan of the Deputy Collector's office be forwarded to the Collector for his inspection. The slight modification proposed in the plan

1671/15

of the Head Assistant's office will doubtless receive attention in the Public Works Department.

3. Mr. Grose is requested to report further, with reference to the Deputy Collector's request that a residence be provided for him, whether that officer will be unable to obtain a suitable house for rent at Atmakúr. Unless absolutely necessary in some cases, the Board fear that the funds at the disposal of Government will not justify their undertaking to erect buildings for the residence of native officers.

Order—dated 6th February 1885, No. 619, Revenue.

The plan and estimate for the Head Assistant Collector's office are approved, subject to the modifications in the shed for witnesses suggested by that officer.

2. The Executive Engineer will be instructed, in the Public Works Department, to forward the plan for the Deputy Collector's office to the Collector. Mr. Grose might have obtained it by application to that officer, and thus saved time in its disposal.

(True Extract.)

(Signed) M. HAMMICK,
for Secretary to Government.

ORDER—dated 13th February 1885, No. 336 W., Public Works.

The estimate, amounting to Rs. 14,622, for constructing a Head Assistant Collector's cutcherry at Gúdúr, in the Nellore district, is sanctioned.

2. The slight modifications suggested by the Head Assistant Collector will be carried out by the Executive Engineer.

3. A sum of Rs. 6,000 has been provided for the work in the Provincial budget for 1885-86.

4. The estimate for a Deputy Collector's cutcherry at Atmakúr will be returned to the Superintending Engineer, II Circle, in view to its resubmission through the Collector of the district. The Superintending Engineer will furnish the Collector, for inspection, with a copy of the standard design on which the estimate is based.

5. The delay to which these papers have been subjected is due to the neglect of the Superintending Engineer to follow the procedure prescribed in paragraph 1168 * of the Public Works Code.

* Standing order No. 74 of 1884.

6. The site plan, showing the proposed residence for the Head Assistant Collector, will, as requested by the Superintending Engineer, be forwarded to the Consulting Architect to Government.

7. The sanction accorded in paragraph 1 of this order has been registered as Provincial No. 246 W. of 1884-85, and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, II Circle, with thirteen enclosures.
,, Examiner, Public Works Accounts, with abstract of sanctioned estimate.
,, Consulting Architect to Government, with site plan.
,, Revenue Department.

Exd. E. Fernandez
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1885} Madras.

PUBLIC WORKS.

Dated February, 13th.

Read. *Encl.*

G.O., 13th Feb. 1885, No. 336 W.

FEBRUARY

**Head Assistant Collector's
Cutcherry at Gudur,
Nellore District**

Estimate for —, sanctioned with remarks.

1621/16

In the Current year's Budget

Government of Madras.

1892.

P. W. DEPARTMENT.

CURRENT No. 5094

To J Pennycuick Col. R.E.
Secy to Govt. P.W.D

D. 16/5

From C.E.
2d Circle

ENCLOS.—2

No. 84 N.

Dated 11th } May 1892
Received 14th }

SUBJECT.

Gudur — Head Assistant Collector's kutcherry A —
Comm: Ex: Engr's letter requesting permission to sell timber & materials collected for the —

No 2538 C dy 14. 5. 92

1151 W dy 6. 4. 92
1765 W dy 30. 6. 91

DISPOSAL.

No. 2538 C dated 16th May 1892

Referred to the Revenue Deptt with reference to the orders on that Dept. No. 297 dy 28th March 1892. a sum of Rs 8,600 has been provided for the work

1875

From W. Hughes Esqr, Executive Engineer, Nellore Division, to the Supdg Engineer, 2nd Circle, C/o. 33 4.5.92.

With reference to your endorsement C/o. 32 N.L. 12.4.92 on G.O. C/o. 1151 W dated 6th April 1892 (herewith returned), I have the honor to report as follows regarding the Construction of the Head Assistant Collector's Office at Gudur.

2. The charges upto date amount to Rs 1,663-12-4 made up of

911-7-4 As per two materials bills (Copies enclosed)

725-5-0 Workshop charges for—

117-4-0 Venetian & panel door
106-9-0 Panel doors.
164-9-0 Venetian windows with planed heads
318-12-0 Venetian windows with planed shutters
18-9-0 painting with Carson's oak paint.

725-5-0

27-0-0 Sundry charges

1663-12-4.

Thus

Thus it will be seen that no work has been done beyond preparation of materials. If orders for resumption of work should not be issued at an early date, I request that permission may be granted to sell the lime & all other perishable materials, the value of which will be found in the Contractor's bills enclosed.

No. 87 NL dated 11th May 1892

Encls.
2 Bills (5 pp.)

Copy forwarded to the Chief Engineer, Public Works Department, with reference to Govt. No. 1516 W dated 6.4.92 for orders with reference to the sale of the perishable materials.

[illegible]
Supdg Engineer,
Nawabshah.
10592

1621/18

P. W. CURRENT No. 5877/92

From

The Supdg Engineer
2nd Circle

To

The Chief Engineer
P.W. Dept
Madras.

No 2538 C of 14th May 1892

Referred to the Revenue Department with reference to the order on that Dept. No 297 of 28 March 1892 - A sum of Rs 8,600 has been provided for the work in the current year's budget

Dated 11th May 1892.
Received 14th do
Encls 2.

No 87 NL

Col. R.E.
Secretary to Govt
P.W.D

× Bk. 1151 W 9, 6.4.92

Gudur - Head Assistant
Collector's Kateheery at
Communicates Engineer's
letter requesting permission
to cut lines & obtain
materials collected for the -

R Kane

KA

REVENUE DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read Proceedings of the
Public Works Department dated 14th May
Put up with C.N. 5480 1892 — No: 2538 C.
Compts Hd Mistry 7-5-92

1671/92

Order thereon: 23rd May 1892 No: 1180 R

Re-corded with reference
to G.O dated 21st May 1892 No: 510 in
which orders have been issued for
re-sumption of the work.

/True Extract/

C. Ackton
Secretary to Govt

To
The Public Works Dept.

MK

P. W. CURRENT No. 5597

Govt. of 1892 Madras.

REVENUE.

To

The Public Work Dept

Dated

Recd. 27-5-92

Encl. 3 B No. 1671 W dt 2d June 92

~~Mis.~~ G.O., 23 May 1892 No. 1802

Recorded with reference to G.O. 1670 W dated 2d June 1892

SUBJECT

Regarding ~~withdrawal~~ remark. Postage P.W.D. req.s permission to sell lime & certain materials collected for the D.A. Coles Cutcherry at Gudur, with the remark that orders have been issued for the resumption of the work in G.O. 510 21-5-92

S 20

(19)

Sl III Circle with 2 enclos & 2 maps

J. 15/6

J.C. 15/6