

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads,
Civil Works.

READ—the following paper :—

G.O., dated 26th June 1895, No. 528, Public.

Read—again the following papers :—

G.O., dated 2nd January 1895, No. 2, Public.

Read—the following letter from Surgeon-Major-General C. SIBTHORPE, F.R.C.P.I., Surgeon-General with the Government of Madras, to the Chief Secretary to Government, dated Madras, 3rd December 1894, No. 636 :—

With reference to G.O. No. 578, Public, dated the 7th August 1894, conveying the sanction of the Government of India to civil hospital assistants holding authorized appointments being provided with free quarters or compensation in lieu, I have the honour to forward the enclosed correspondence received from the Senior Medical Officer, General Hospital, and to request that Government will be pleased to instruct the Consulting Architect to prepare the necessary plans and estimates for building quarters for the three hospital assistants attached to the institution, and to accord permission to the vacant ground opposite to the General Hospital, which the Deputy Collector of Madras reports is the property of Government, being utilized for the purpose.

2. It is, in my opinion, most desirable that the hospital assistants should be provided with quarters near the hospital. This will add to the efficiency of the compounding department of the institution and save the house-rent which will have otherwise to be granted under the Government Order quoted above.

3. A tracing by the Consulting Architect showing the position of the proposed quarters is enclosed. I strongly recommend the suggestion of the Senior Medical Officer that the position of these quarters be carried more to the west near the Adam's Park, and the site now marked for them be utilized for quarters for the head steward, who should, in the interests of the institution, live near the hospital.

Order—dated 2nd January 1895, No. 2, Public.

Ordered to lie over pending the result of the negotiations at present proceeding in connection with a new Women and Children's hospital.

(True Extract.)

(Signed) E. GIBSON,
Ag. Chief Secretary.

G.O., dated 9th March 1895, No. 178, Public.

Read—the following papers :—

From the Public Works Department, dated 16th January 1895, No. 148-C.

ABSTRACT.—Referring to the Public Department, with reference to the orders in that department, dated 14th November 1894, No. 865, a letter from the Consulting Architect to Government submitting plans for quarters of the military hospital assistant class, as also of the quarters erected for the hospital assistants attached to the Madras Penitentiary.

From the Surgeon-General, dated 21st February 1895, No. 182.

ABSTRACT.—Stating that he approves of the design of the quarters for the hospital assistants attached to the Madras Penitentiary, but that the measurements of the rooms should correspond with those prescribed in G.O., dated 14th November 1894, No. 865, Public.

Order—dated 9th March 1895, No. 178, Public.

The Consulting Architect will be requested to prepare a plan of quarters of the same design as those for the hospital assistants attached to the Penitentiary, but with rooms of the size prescribed in paragraph 3 of G.O., dated 14th November 1894, No. 865, Public.

(True Extract.)

(Signed) J. F. PRICE,
Chief Secretary.

Read—also the following papers:—

From Surgeon-Major-General C. SIBTHORPE, F.R.C.P.I., Surgeon-General with the Government of Madras, to the Chief Secretary to Government, dated Madras, 18th March 1895, No. 289.

With reference to paragraph 6 of G.O. No. 865, Public, dated the 14th November 1894, I have the honour to forward the enclosed letter from the Consulting Architect to Government and to request that sanction may be accorded to his preparing plans and estimates for the construction of quarters for the hospital assistants attached to the Presidency State hospitals, &c., referred to by him, with the exception of the Women and Children's hospital which is under orders to be amalgamated with the General Hospital, Madras.

2. As regards quarters for the hospital assistants attached to the Lying-in hospital, I have already addressed Government on the subject (*vide* my letter No. 166, dated the 16th February 1895).

3. With reference to paragraph 2 of the Consulting Architect's letter, the papers and plans were referred to me with your endorsement, No. 96 of 19th January 1895, and replied to in my letter No. 182, dated the 21st February 1895. I trust that the recommendations therein made will meet with the approval of Government.

4. As regards the concluding part of Mr. Irwin's letter, Government has, in G.O. No. 2, Public, of the 2nd January 1895, ordered the matter to lie over. It is hoped that early orders will now be passed on the subject.

ENCLOSURE.

From H. IRWIN, Esq., C.I.E., Consulting Architect to the Government of Madras, to the Surgeon-General with the Government of Madras, dated Chepauk, 8th March 1895, No. 3697.

In reply to your letter No. 2003, dated the 6th instant, I have the honour to state that G.O. No. 865, Public, dated 14th November 1894, communicated to this office with G.O. No. 3047 W., Public Works Department, dated 27th November 1894, directed me to prepare a standard design for civil hospital assistants' quarters.

2. In my letter No. 2912, dated 10th January 1895, to the Chief Engineer, I submitted the standard plan of military hospital assistants' quarters as well as a plan of the quarters constructed for the hospital assistants attached to the Madras Penitentiary, and suggested that a plan may be drawn up on the lines of the latter. Orders on the same have not yet been received.

3. I find that the following quarters are required to be constructed at Madras and request that you will be so good as to obtain the sanction of Government for the preparation of the necessary plans and estimates:—

Quarters for three hospital assistants attached to the General Hospital.

"	two	"	"	"	Lying-in hospital.
"	two	"	"	"	Ophthalmic hospital.
"	two	"	"	"	Women and Children's hospital.
"	one	"	"	"	Civil Jail.

In my letter No. 2252, dated 30th October 1894, I addressed the Senior Medical Officer about the site opposite the General Hospital for the hospital assistants' quarters. I have not yet received any orders on the subject.

No. 647.

Forwarded to the Public Works Department with the request that the plan called for in G.O., dated 9th March 1895, No. 178, may be furnished as soon as possible.

FORT ST. GEORGE,
25th March 1895.

(Signed) J. F. PRICE,
Chief Secretary.

No. 1353 C.

Forwarded to the Consulting Architect with the request that the plan called for in G.O. No. 661 W., dated 19th March 1895, may be expedited.

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

29th March 1895.

From H. IRWIN, Esq., C.I.E., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepauk, 10th April 1895, No. 174.

With reference to G.O. No. 661 W., dated the 19th March 1895, I have the honour to submit a standard plan of quarters for hospital assistants in civil employ with descriptive specification and schedule of quantities.

ENCLOSURES.

STANDARD design for quarters for hospital assistants in civil employ, with tiled roofing, according to drawing signed by the Consulting Architect on 10th April 1895.

DESCRIPTIVE SPECIFICATION.

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

Walling.—The walls should be carried up in English bond according to the various thicknesses shown on the drawing, 1 brick and 1½ bricks thick.

Woodwork.—The doors and windows and roof-timbers to be of well-seasoned Burma teak; the rafters and minor roof-timbers may be of approved country wood, proof against white ants.

Roofing.—The roof will be covered with flat and pan tiles. If Mangalore tiles are used, the rafters may be spaced about 2' 6" centre to centre and the three rooms ceiled with ½" teak planking screwed to the bottom of rafters and overlapping one inch at joints.

Flooring.—To consist of a bed of concrete 4 inches thick. The rooms and verandah of the main building will be paved with Cuddapah slabs or 8 inch square bricks and the out-buildings plastered with portland cement ½ inch thick. Cuddapah slabs will be laid on the walls at basement level as a damp course. Where the soil is damp the space beneath the floor should be filled with river sand.

Interior and exterior finishing.—The interior walls will be plastered and polished, or plastered and white-washed. Where good bricks or stone is available the exterior should be pointed. The doors and windows and exposed woodwork of roof to be painted with three coats oak-paint and the roof-timbers stained with three coats wood-oil.

ESTIMATE FORM—Detail Measurements.

Detail of work.	No.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Excavation for foundation.</i>		FT. IN.	FT. IN.	FT. IN.	C. FT.	C. FT.
Outer walls of main rooms	1	79 5				
Partition	1	10 1½				
Verandah and verandah rooms	2	37 10				
Do. partition	1	4 1½				
Outer walls of out-houses	1	71 5				
		240 9	3 0	4 0	2,889	
Outer walls of partitions	2	6 1½				
Walls enclosing yard	2	10 1½				
Screen wall	1	5 0				
		37 6	2 0	4 0	300	
Sides of fire-place in kitchen	2	0 9	1 9	4 0	11	
Entrance step	1	22 9	3 0	0 6	34	
Cistern	1	3 0	5 0	2 0	30	
Total	..	..	..	..	..	3,264

Estimate Form—Detail Measurements—cont.

Detail of work.	No.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Concrete.</i>						
Outer walls of main room	..	79 5				
Partitions	..	10 1 $\frac{1}{2}$				
Verandah and verandah rooms ..	2	37 10				
Do. partition	..	4 1 $\frac{1}{2}$				
Outer walls of out-houses	..	71 5				
		240 9	3 0	3 6	2,528	
Outer walls of partitions	2	6 1 $\frac{1}{2}$				
Walls enclosing yard	2	10 1 $\frac{1}{2}$				
Screen wall	1	5 0				
		37 6	2 0	3 6	263	
Sides of fire-place in kitchen ..	2	0 9	1 9	3 6	9	
Entrance steps	1	22 9	3 0	0 6	34	
Cistern	1	3 0	5 0	1 0	15	
Total	..	..	..	..	..	2,849
<i>Brick work in foundations and basement.</i>						
Outer walls of main rooms	..	79 5				
Partition do.	1	11 7 $\frac{1}{2}$				
Verandah and verandah rooms ..	2	39 4				
Do. partition	1	5 7 $\frac{1}{2}$				
Outer walls of out-houses	..	71 5				
		246 9	1 6	2 6	925	
Partitions of out-houses	2	7 7 $\frac{1}{2}$	1 1 $\frac{1}{2}$	2 6	43	
Walls enclosing yard	2	11 7 $\frac{1}{2}$				
Screen wall	1	5 0				
		28 3	1 1 $\frac{1}{2}$	1 6	48	
Sides of fire-place in kitchen ..	2	0 9	1 9	2 6	7	
Entrance steps	..	22 9	3 0	1 0	68	
Steps in yard	1	6 3				
Do.	1	4 0				
Do.	3	3 6				
		20 9	1 0	0 6	10	
Cistern floor	1	4 0	2 6	0 6	5	
Do. walls	2	3 5 $\frac{1}{4}$	0 6	2 6	9	
Do. do.	1	3 0	0 6	2 3	3	
Total	..	..	..	..	..	1,118
<i>Brick work in superstructure.</i>						
Main rooms outer walls	..	79 5				
Do. partition	1	12 0				
		91 5	1 1 $\frac{1}{2}$	13 0	1,337	
Gables	3	12 0	1 1 $\frac{1}{2}$	2 0	81	
Verandah piers	2	2 0	1 1 $\frac{1}{2}$	7 0	71	
Do. at ends	2	2 6				
Do. heads	2	2 4 $\frac{1}{2}$	1 6	0 6	8	
Do. at ends	2	2 10 $\frac{1}{2}$	1 6	0 6		
Verandah ends and partitions ..	5	6 0	1 1 $\frac{1}{2}$	11 0	371	
Back verandah wall	1	27 8 $\frac{1}{2}$	1 1 $\frac{1}{2}$	8 0		
Outer walls of out-houses	..	71 5	1 1 $\frac{1}{2}$	8 0	964	
Fire-place wall	1	8 0	1 1 $\frac{1}{2}$	8 0		
Do. gables	3	8 0	1 1 $\frac{1}{2}$	1 4	36	
Partitions	2	8 0	0 9	8 0	96	
Gables	2	8 0	0 9	1 4	16	
Latrine seat	1	7 0	0 9	0 9	4	
Walls enclosing yard	2	12 0	0 9	4 3	92	
Screen wall	1	5 0	0 9	4 3		
Do. at door way	1	4 0	0 9	2 0	6	

Estimate Form—Detail Measurements—cont.

Detail of work.	No.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Brick work in superstructure—cont.</i>						
Coping for enclosure wall	1	12 0	1 1 $\frac{1}{2}$	0 9		
Do. do.	1	16 0	1 1 $\frac{1}{2}$	0 9	28	
Do. do.	1	5 0	1 1 $\frac{1}{2}$	0 9		
Chimney	1	2 0	3 0	2 6	15	
Do.	1	2 0	2 0	1 6	6	
Do.	1	2 6	2 6	0 9	5	
						3,136
<i>Deductions.</i>						
Entrance door	1	4 6	1 1 $\frac{1}{2}$	7 0	35	
Doors	3	3 6	1 1 $\frac{1}{2}$	7 0	83	
Do.	1	3 6	1 1 $\frac{1}{2}$	6 6		
Windows	2	3 6	1 1 $\frac{1}{2}$	4 6	61	
Do.	2	3 6	1 1 $\frac{1}{2}$	6 0		
Do.	1	3 6	1 1 $\frac{1}{2}$	4 0	63	
Do. and verandah openings	3	2 6	1 1 $\frac{1}{2}$	3 6	30	
Ventilators	6	2 0	1 1 $\frac{1}{2}$	2 0	27	
Opening in back verandah	1	6 0	1 1 $\frac{1}{2}$	8 0	54	
Door in wall enclosing yard	1	2 6	0 9	6 0	11	
Do. in out-houses	3	3 0	1 1 $\frac{1}{2}$	6 6	66	
Windows in out-houses	1	1 6	1 1 $\frac{1}{2}$	4 0	7	
Ventilators in latrine	2	3 0	1 1 $\frac{1}{2}$	4 6	30	
Kitchen archway, square portion ..	1	6 6	1 1 $\frac{1}{2}$	1 6	11	
Do. semi-circular do.	1	16 6	Area.	1 1 $\frac{1}{2}$	19	
Archwork as per details	..	..	..	..	100	
						597
Total	..	..	..	..	..	2,539
<i>Archwork.</i>						
Over entrance door	1	5 6				
Over doors and windows	7	4 6				
Over windows and verandah openings ..	3	3 6				
Over out-house doors and latrine openings ..	4	4 0				
Over kitchen window	1	2 6				
Kitchen arch	1	13 0				
		79 0	1 1 $\frac{1}{2}$	1 1 $\frac{1}{2}$	100	
Total	..	..	..	..	..	100
<i>Earth filling in basement.</i>						
Main rooms	..	23 7	11 7 $\frac{1}{2}$	1 6	411	
Do. and back verandah	..	23 7	5 7 $\frac{1}{2}$	1 6	199	
Front verandah	..	25 1	5 7 $\frac{1}{2}$	1 6	212	
Yard	..	25 10	11 7 $\frac{1}{2}$	0 6	150	
Out-houses	..	21 3	7 7 $\frac{1}{2}$	1 6	243	
Total	..	..	..	..	..	1,215
<i>Teak wood wrought and put up.</i>						
Ridge beam for large room	1	19 3	0 5	0 9	6	
Do. for small room	1	11 7	0 4	0 7	2	
Pieces under ridge over cross wall ..	1	4 0	0 4 $\frac{1}{2}$	0 8	1	
Do. at gables	2	2 10 $\frac{1}{2}$	0 4 $\frac{1}{2}$	0 6	1	
Wall plates	2	31 0	0 4	0 3	5	
Rafters for main rooms	42	8 9	0 3	0 4	31	
Front verandah bressummers, including halving over piers	1	31 3	0 5	0 6		
Back verandah bressummers, including halving over piers	1	11 6	0 5	0 6	9	
Back wall plate	1	19 3	0 4	0 3	2	
Rafters	42	11 0	0 3	0 4	39	
Lintels over doors and windows in verandah room	2	5 0	1 0	0 3	3	
Lintels over door in wall	1	4 0	0 8	0 2 $\frac{1}{2}$	1	
Out-houses ridge	1	31 0	0 3	0 8	5	
Do. wall plate	1	22 6	0 3	0 3		
Do. do.	1	31 0	0 3	0 3	3	
Do. do. over latrine opening	1	9 0	0 4	0 4	1	
Do. rafters	42	8 0	0 2 $\frac{1}{2}$	0 3	18	
Total	..	..	..	..	..	127

Estimate Form—Detail Measurements—cont.

Detail of work.	No.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Wrought iron in bolts, &c.</i>						
Half-inch diameter bolts for securing ridges ..	7	FT. IN.	FT. IN.	lb.	lb.	lb.
Half-inch hex nut and heads ..	7	1 4	9 4	66	616	
Washers, 2½" diameter, ⅝" thick ..	14			128	89	
				15	210	
Total ..						915
<i>Venetian and panel doors.</i>						
Entrance door ..	1	4 0		6 6	26	
Door opening into back verandah ..	1	3 0		6 6	20	
Do. in verandah room ..	1	3 0		6 0	18	
Total ..						64
Panel doors ..	2	3 0		6 6	39	
Total ..						39
<i>Batten doors and windows with single shutters and strap hinges.</i>						
For out-houses ..	3	2 6		6 0	45	
Wall ..	1	2 0		5 6	11	
Window in kitchen ..	1	1 0		3 6	4	
Total ..						60
<i>Venetian windows with iron bars.</i>						
In front verandah ..	2	3 0		4 0	24	
In ends of building with glass above ..	2	3 0		5 6	33	
In verandah room ..	1	3 0		3 6	11	
Do. single shutters ..	1	2 0		3 0	6	
Total ..						74
Batten shutters for cistern including frame ..	1	4 0		4 6	18	
Total ..						18
<i>Ventilators consisting of teak frames 2" × 1" screwed together with ⅝" mesh galvanized wire-netting between.</i>						
Four in large and two in small rooms ..	6	2 6		2 0	30	
Total ..						30
Cuddapah slab venetians for latrines ..	7	4 0		1 0	28	
Total ..						28
<i>Roofing with flat and pan tiles, including teak reepers.</i>						
Main building ..	1	31 0		37 0	1,147	
Out-houses ..	1	31 0		16 9	519	
Total ..						1,666
<i>Laying concrete for floors 4" thick consolidated.</i>						
Rooms ..		23 7		11 7½	274	
Do. ..		23 7		5 7½	274	
Do. ..		25 1		5 7½		
Yard ..		25 10		11 7½	300	
Out-houses ..		21 3		7 7½	162	
Total ..						1,010
<i>Laying Cuddapah slabs for floor, including damp course over plinth.</i>						
Main building including walls ..		28 0		29 0	812	
Out-houses walls ..		72 0		1 8	120	
Walls in court yards ..	2	12 0		1 3		
Screen wall of latrine ..	1	5 0		1 3		
Steps ..	3	23 0		1 3		
Do. ..	1	6 6		1 3	149	
Do. ..	1	4 3		1 3		
Do. ..	3	3 6		1 3		
Total ..						1,081

Note.—Doors and windows are taken according to appendix G standard specification.

Estimate Form—Detail Measurements—cont.

Detail of work.	No.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Plastering with Portland Cement ½" thick.</i>						
Out-houses floor ..		24 0		8 0	192	
Cistern inside ..	1	10 0		2 9	28	
Do. floor ..	1	2 6		2 6	6	
Do. sides ..	2	3 3		2 6	16	
Do. rear end ..	1	4 0		2 0	8	
Door pieces ..	3	3 0		0 9	18	
Sides of latrine seat ..		15 6		0 9		
Exterior plinth, main building ..		89 7		2 0	179	
Do. in rear ..		25 10		1 0	26	
Walls of court-yard, outer ..	2	12 0		2 0	48	
Do. inside ..	2	12 0		1 0	24	
Screen wall ..	1	10 9		1 0	11	
Out-houses, inner face ..	1	25 10		1 0	26	
Do. outer and sides ..	1	49 4		2 0	99	
Total ..						681
<i>Plastering interior, two coats.</i>						
Room, large ..	1	56 0				
Do. small ..	1	40 8				
		96 8		13 0	1,257	
Do. in rear verandah ..	1	44 0		11 0	484	
Gables ..	4	12 0		2 0	96	
Out-houses, godown and latrine ..	2	30 6		8 0		
Do. kitchen ..		44 5		8 0	843	
Kitchen arch soffits ..		13 6		1 1½	15	
Gables ..	6	8 0		1 4	64	
Top of chimney ..	1	2 6		2 0	5	
Coping of court-yard wall ..	1	35 0		2 6	88	
Sides and soffits of doors ..	1	18 6				
Do. do. ..	3	17 6				
Do. do. ..	1	13 0				
Do. windows ..	2	16 0				
Do. do. ..	2	19 0				
Do. do. ..	1	11 6				
Do. do. ..	1	12 0				
Do. ventilators ..	6	6 6				
		216 6		0 9	162	
Out-houses doors ..	3	16 0		0 9	36	
Do. windows ..	1	11 0		0 9	8	
Deductions ..						3,058
Entrance door ..	1	4 6		7 0		
Doors ..	5	3 6		7 0	154	
Do. ..	1	3 6		6 6	23	
Windows ..	2	3 6		4 6	32	
Do. ..	2	3 6		6 0	42	
Do. ..	1	3 6		4 0	14	
Do. ..	1	2 6		3 6	9	
Ventilators ..	8	2 6		2 0	40	
Out-houses doors ..	3	3 0		6 6	59	
Window ..	1	1 6		4 0	6	
Latrine ventilators ..	2	3 0		4 6	27	
Total ..						406
<i>Pointing exterior.</i>						
Piers in verandah ..	2	6 3		7 6		
Do. at ends ..	2	5 0		7 6	169	
Front verandah ..	1	25 5½		13 0	331	
Do. ends ..	2	6 0		11 0	132	
Back verandah ..	1	8 4		13 0	108	
Do. at opening ..	1	4 7		7 6	34	
Do. ends ..	2	6 0		11 0	132	
Sides of building, including gable ..	2	28 6		12 0	684	
Back of do. ..	1	21 8½		8 0	174	
Walls of court-yard ..	2	12 0		10 0	240	
Do. above doorway ..	2	4 0		2 6	20	
Screen wall ..	1	10 9		5 0	54	
Total ..						2,652

Estimate Form—Detail Measurements—cont.

Detail of work.	No.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<i>Pointing exterior—cont.</i>						
Out-houses sides	2	FT. IN.	FT. IN.	FT. IN.	SQ. FT.	SQ. FT.
Out ends including gables ..	2	27 8½	..	8 0	443	
Latrine ventilators, sides and soffits ..	1	10 3	..	9 9	200	
Do. do. ..	1	15 0	..	1 1½	30	
Chimney	1	12 0	..	1 1½	27	
		9 0	..	3 0		2,778
<i>Deductions.</i>						
Doors	1	4 6	..	7 0	56	
Do.	1	3 6	..	7 0	23	
Do.	1	3 6	..	6 6	32	
Windows	2	3 6	..	4 6	42	
Do.	2	3 6	..	6 0	14	
Do.	1	3 6	..	4 0	44	
Do. and verandah openings ..	5	2 6	..	3 6	20	
Ventilators	4	2 6	..	2 0	59	
Out-house doors	3	3 0	..	6 6	30	
Do. door in court-yard ..	2	2 6	..	6 0	6	
Do. window	1	1 6	..	4 0	27	
Do. ventilators in latrine ..	2	3 0	..	4 6		353
Total						2,425
Painting doors and windows and exposed wood work in roof, three coats ..						800
Wood-oiling roof-timbers, three coats ..						1,600
Latrine bucket with handle complete ..						No. 1

ESTIMATE form—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
3,264 c. ft. ..	Excavation for foundation	RS. A. P.		RS.	RS.
2,849 " ..	Concrete in foundation with broken vitrified bricks	4 10 0	1,000 c. ft.	15	
1,118 " ..	Brick work in chunam for foundation and basement	14 0 0	100 "	399	
2,539 " ..	Brick work in chunam for superstructure	19 8 0	100 "	218	
100 " ..	Arch work in chunam	20 0 0	100 "	507	
1,215 " ..	Earth filling in basement	23 8 0	100 "	24	
127 " ..	Teak wood wrought and put up	5 0 0	1,000 "	6	
9-15 lb. ..	Wrought iron in bolts	3 8 0	c. foot.	445	
64 sq. ft. ..	Teak wood panel and venetian doors with frames and all fastenings complete	0 3 0	lb.	2	
39 " ..	Do. panel doors	1 1 0	sq. foot.	68	
60 " ..	Do. batten doors with single shutters and strap hinges including frames	0 14 0	Do.	34	
74 " ..	Venetian windows with iron bars and frames complete	0 15 0	Do.	56	
30 " ..	Ventilator frames with ¾" mesh galvanized iron wire-netting	1 12 0	Do.	130	
18 " ..	Shutter for latrine cistern with frames complete	0 6 0	Do.	11	
28 " ..	Cuddapah slab ventilators for latrine	1 14 0	Do.	34	
1,666 " ..	Roofing with flat and pan tiles, including 2" × ¾" teak reapers	0 3 0	Do.	5	
1,010 " ..	Laying concrete for floor 4" thick	14 0 0	100 sq. ft.	233	
1,081 " ..	Cuddapah slabs for floor	5 0 0	100 "	51	
681 " ..	Plastering with Portland cement ½" thick	17 0 0	160 "	184	
2,652 " ..	Plastering with chunam, two coats	6 8 0	100 "	44	
2,425 " ..	Pointing exterior	2 8 0	100 "	66	
800 " ..	Painting doors and windows, &c., with three coats oak-paint	3 0 0	100 "	73	
1,600 " ..	Wood-oiling roof-timbers, three coats	2 12 0	100 "	22	
1 in number.	Bucket with handle complete	0 15 0	100 "	15	
	Petty supervision at 2½ per cent.	12 0 0	each	12	
	Contingencies at 5 per cent.			65	2,654
				131	
	Grand total of estimate				196
					2,850

No. 138 D.

Forwarded to the Public Department for the approval of Government with reference to G.O., dated 9th March 1895, No. 178, Public.

2. The papers received with Public endorsement, No. 647, dated 25th March 1895, are herewith returned.

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

10th May 1895.

Order—dated 26th June 1895, No. 528, Public.

The standard plan for quarters for civil hospital assistants and the estimate of cost are approved.

2. In regard to the site for quarters for the hospital assistants attached to the General Hospital, it is observed that in paragraph 3 of his No. 636 of the 3rd December last, the Surgeon-General strongly recommends that the hospital assistants' quarters should be built near Adam's Park and the site at first proposed for them be utilized for quarters for the head steward, who should, in the interests of the institution, live near the hospital.

3. The Government desires to impress on the Surgeon-General and the Consulting Architect that the open piece of ground they propose to cut up is a very valuable site, and that if devoted to building purposes it is essential that the greatest possible use should be made of it,—in other words, that as little of the available space as possible should be taken up by the quarters to be erected on it. It is possible there may be other subordinates of the hospital whose duties require their residence in the vicinity of that institution and for whom it is desirable that quarters should be provided. The Surgeon-General will reconsider his proposals and submit a complete scheme.

4. From the site plan furnished by the Consulting Architect it appears that he proposed three detached quarters for hospital assistants with a broad space between their northern limits and the private houses, &c., already existing. This would result in waste of valuable land, and the open space would inevitably become a latrine and dust-heap. In any plan for utilizing the site in question provision should be made for including its whole width unless the municipality are willing to make and maintain in proper order a lane between the quarters and the private houses to the north of them. Such a lane would be useful for conservancy purposes. The Consulting Architect will communicate with the municipal authorities on the point before preparing any further plans.

5. It seems to Government that it would be possible to throw all the quarters required into a single block of three or four stories of an elevation suited to the position. The area of site should be economised as far as possible. In this connection it is observed that the frontage allowed for the hospital assistants' quarters on the site plan appears to be excessive; it might apparently be reduced to 18 feet.

(True Extract.)

(Signed) C. G. TODHUNTER,
for Chief Secretary.

ORDER—dated 19th July 1895, No. 1796 W., Public Works.

Communicated to the Consulting Architect for information and guidance.

2. The standard plan of quarters for civil hospital assistants with descriptive specification and schedule of quantities will be circulated to officers of the 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 Public Department.
„ the Local and Municipal Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of {1895} Madras.
PUBLIC WORKS.

Dated July, 19th.

Recd.

Encl.

G.O., 19th July 1895, No. 1796 W.

JULY.

Standard plan

The — of quarters for civil hospital assistants with descriptive specification and schedule of quantities, circulated to officers of the department for information and guidance; and certain remarks in the Public Department regarding the site for quarters for the hospital assistants attached to the General Hospital, communicated to the Consulting Architect.

22ND SEPTEMBER 1888, No. 2981 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers:—

Proceedings of the Government of India, Public Works Department (Civil Works—Buildings), dated Simla, 7th September 1888, No. 479 B.

Read again—

Public Works Department Circular No. 1, dated 10th February 1885.
" " 14, " 2nd September "

Read also—

Abstract of Proceedings of the Government of Bombay, Imperial Civil Works, for December 1886: Entry Nos. 740 C.W.—2059 regarding rents to be charged for quarters for the Mamlatdar's establishment at Mangaon.
Public Works Department Circular letter No. 365 B., dated 1st October 1887.
Letter from Chief Commissioner, Central Provinces, No. 7366, dated 25th October 1887.
Assam, No. 4718, dated 29th October 1887.
" Resident, Hyderabad, No. 358 C.W., dated 2nd November 1887.
" Government of Madras, Public Works Department, No. 2971 W., dated 7th November 1887.
" Government of North-Western Provinces and Oudh, Public Works Department, No. C. 3681 B.R., dated 12th November 1887.
" Government of Punjab, Public Works Department, No. 5779, dated 12th November 1887.
" Agent to the Governor-General for Central India, No. 597, dated 17th November 1887.
" Inspector-General of Military Works, No. 3090 A., dated 22nd November 1887.
" Chief Commissioner, Coorg, No. 954/445, dated 22nd November 1887.
" Burma, No. 8277, dated 24th November 1887.
" Government of Bengal, Public Works Department, No. 3776 G., dated 2nd December 1887.
" Agent to the Governor-General for Baluchistan, No. 8292, dated 1st December 1887.
" Agent to the Governor-General for Rajputana, No. 2818 S., dated 10th December 1887.
" Director-General of Railways, No. 0147 E., dated 30th December 1887.
" Government of Bombay, Public Works Department, No. 112 C.W.—342, dated 15th February 1888.

RESOLUTION.—The Governor-General in Council is pleased to lay down the following rules in supersession of all previous orders for regulating the rents to be charged for Government buildings occupied as residences by Government officials:—

I. (1) The rent should be a sum which will cover—

- (a) Four per cent. interest on the actual capital cost of the house and its site.
- (b) The estimated average annual cost of repairs.

The capital cost of the house should be taken as the cost of the building and its site, together with a sum to cover the share of Tools and Plant and Establishment. The amount to be added for these charges may be specially approved by the Local Government, but should not be taken as less than 20 per cent. on the cost of "Works." When there is no record of the original cost of the building, its present value should be estimated by the Executive Engineer of the division and approved by the Superintending Engineer; and this estimate should be taken as the capital cost.

- (2) The average cost of annual repairs should be specially estimated in each case by the Executive Engineer on the best data available, and be approved by the Superintending Engineer. Such average cost should not, as a rule, be taken at less than 3 per cent. on cost of a permanent building, or 6 per cent. on the cost of a temporary building, but should be sufficient to cover quadrennial and special repairs. The actual cost of repairs should be compared annually with the amount assessed on this account in the rent; and, when necessary, the rents should be revised.
 - (3) In calculating the outlay on repairs of any building, a sum should be included to cover the cost of Tools and Plant and Establishment, as defined above.
 - (4) When a building is occupied partly as a residence and partly as an office for which no rent is paid, the capital value of the portion occupied as a residence should be separately estimated and the rent calculated accordingly.
 - (5) The actual charge for the rent of a residence occupied by any Government official shall, in all cases, be subject to a maximum of 10 per cent. on the salary and local allowances of the official in actual occupation.
 - (6) Local Governments or Administrations must, irrespective of the fund from which the cost of the building was met, obtain the special sanction of the Government of India if they desire to reduce the rent of any Government building below that authorised in these rules.
- II. At stations where, owing to excess of available accommodation or to other special circumstances, rents cannot be fixed on the above principles, but must unavoidably be assessed with reference to prevailing rates, sanction to make such special assessments at the particular stations must be obtained from the Government of India, but the actual rents may be fixed by the Local Government.
- III. When any Government building is, under proper authority, let to a private person, rent shall be regularly recovered for the same at the rates prevailing in the locality for similar accommodation belonging to private owners; but, without the permission of the Government of India, the rent charged shall not be less, at any station, than that defined in clause I (1).
- IV. In the case of houses occupied free of rent or at reduced rents by any Government officials, the authority under which the reduction is made should, in every case, be communicated to the Examiner of Accounts, in order that he may enter it in the return which is submitted to the Accountant-General, Public Works Department, under Public Works Department Circular No. 3 P. W., dated 10th September 1887.
- V. The rents of all houses belonging to Government should be recalculated in accordance with these rules, and the new rates should be made applicable from the 1st April 1889.
- VI. The above rules are not applicable to officers in regimental employ, nor to upper subordinates in the Public Works Department paying rent under Code XI, section 29, nor to members of the subordinate Revenue staff of State Railways.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, Assam and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General for Central India, Rajputana and Baluchistan.
The Accountant-General, Public Works Department.
The Director-General of Railways.
The Consulting Engineers to the Government of India for Railways, Calcutta, Central Division and Lucknow.
The Director-General of Telegraphs.

Order—

Ordered that this Resolution be forwarded to the Local Governments and Administrations and officers noted in the margin for information and guidance.

Ordered, also, that this Resolution be communicated to the departments of the Government of India noted in the margin for information and favour of issue of any further instructions which may be necessary.

The Department of Finance and Commerce.
The Foreign, Home, Military and Legislative Departments.
The Department of Revenue and Agriculture.

(Signed) R. C. B. PEMBERTON, Colonel, R.E.,
Secy. to the Govt. of India.

Proceedings of the Government of India, Public Works Department (Civil Works—Buildings), dated Simla, 7th September 1888, No. 481 B.

Read again—

Public Works Department Circular No. 1, dated 10th February 1885.

Read also—

Abstract of Proceedings of the Government of Bombay, Imperial Civil Works, for December 1886 Entry No. 740 C.W.—2059 regarding rents to be charged for quarters for the Mamlatdar's establishment at Mangaon.

Public Works Department Circular letter No. 365 L., dated 1st October 1887.

Letter from Chief Commissioner, Central Provinces, No. 7366, dated 25th October 1887.

Assam, No. 4718, dated 29th October 1887.

Resident, Hyderabad, No. 358 C.W., dated 2nd November 1887.

Government of Madras, Public Works Department, No. 2971 W., dated 7th November 1887.

Government of North-Western Provinces and Oudh, Public Works Department, No. C. 3681 B.R., dated 12th November 1887.

Government of Punjab, Public Works Department, No. 5779, dated 12th November 1887.

Agent to the Governor-General for Central India, No. 597, dated 17th November 1887.

Inspector-General of Military Works, No. 3090 A., dated 22nd November 1887.

Chief Commissioner, Coorg, No. 954/445, dated 22nd November 1887.

Burma, No. 8277, " 24th

Government of Bengal, Public Works Department, No. 3776 G., dated 2nd December 1887.

Agent to the Governor-General for Baluchistan, No. 8292, dated 1st December 1887.

Agent to the Governor-General for Rajputana, No. 2818 S., dated 10th December 1887.

Director-General of Railways, No. 0147 E., dated 30th December 1887.

Government of Bombay, Public Works Department, No. 112 C. W.—342, dated 15th February 1888.

RESOLUTION.—The Governor-General in Council is pleased to lay down the following rules in connection with the construction or purchase of residences for Government officials:—

- (1) When a house has to be built or purchased for the occupation of a Government official, its cost should be so regulated that the rental, calculated under the terms of Resolution No. 479 B. of this date, will not exceed 8 per cent. of the salary of the official who will usually occupy it.

- (2) In calculating the cost of a building to be erected, a sum should be included to cover the share of Tools and Plant and Establishment. The amount to be added for these charges may be specially approved by the Local Government, but should not be taken at less than 20 per cent. on the cost of "Works."
- (3) Any Local Government or Administration wishing to build or purchase a house, with regard to which the condition of rule (1) as to rent cannot be fulfilled, must, irrespective of the fund from which the cost of the building is met, obtain the special sanction of the Government of India before construction is commenced, or the purchase concluded.

Order—

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, Assam, and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General for Central India, Rajputana, and Baluchistan.
The Accountant-General, Public Works Department.
The Director-General of Railways.
The Consulting Engineers to the Government of India for Railways, Calcutta, Central Division and Lucknow.
The Director-General of Telegraphs.

Ordered that this Resolution be forwarded to the Local Governments and Administrations and officers noted in the margin for information and guidance.

Ordered, also, that this Resolution be communicated to the various departments of the Government of India noted in the margin for information and favour of issue of any further instructions which may be necessary.

The Department of Finance and Commerce.
The Foreign, Home, Military and Legislative Departments.
The Department of Revenue and Agriculture.

(Signed) R. C. B. PEMBERTON, Colonel, R.E.,
Secy. to the Govt. of India.

ORDER—dated 22nd September 1888, No. 2981 W., Public Works.

Communicated to officers of the Public Works Department and to departments of the Secretariat for information and guidance.

(True Extract.)

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

To Superintending Engineers.
To the Consulting Architect to Government.
" Chief Engineer for Irrigation.
" Consulting Engineer for Railways.
" Examiner, Public Works Accounts.
" Examiner, Railway Accounts.
" Public, &c., Departments.
" Revenue Department.
" Military Department.

Exd. A. D. Xavier.
Spare Copies.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1888) Madras.

PUBLIC WORKS.

Dated September, 22nd.

Recd.

Encl.

G.O., 22nd Sept. 1888, No. 2981 W.

SEPTEMBER.

Residences of Government Officials

Orders of the Government of India laying down rules for regulating the rents to be charged for Government buildings occupied as residences by Government officials, communicated to the officers of the department and departments of the Secretariat.



PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers—

From the Surgeon General 4th 16th February
1895, No. 166—

Enclosure of the Public Works Department
of 27th May 1895 No. 239 W. on letter from the
Consulting Architect to the Government of
Madras, of 22nd May 1895 No. 488, reporting
on the site for Hospital Assistant's quarters
for lying-in Hospital.

Order 5th June 1895 No. 447

A further communication

will be awaited.

(Signed) [Signature]

[Signature]

10.11.95.

Ag. Secy

for Chief Secretary

To
The Public Works Department
Surgeon General

[Signature]

as