Public Works (1898) Department.

√

G.O., No. 2892 W

DATED 15th Novr. 98

17/11

[Despatch Abstract.]

Type design of Quarters for civil Hospital assistants.

Circulating to officers of the Dept. a revised ______, with descriptive specification & Schedule of quantities.

280/14

7/12/C.S.

Indexed. 15/11

[P. W. 26. / 1,000—12-2-98.]

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O	No.	Department.	Date.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1898} of Madras.

PUBLIC WORKS.

Recd.	1898.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2892 W., 15th November 1898.

NOVEMBER.

Type Design of Quarters for Civil Hospital Assistants

Circulating to officers of the Public Works Department a revised —, with descriptive specification and schedule of quantities.

Estimate Form.—Detail Measurements—cont.

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Quarters for Hospital Assistants in Civil Employ—cont.		FT. IN.	FT. IN.	FT. IN.		
Filling in basement—						
Main room	1	15 7½	11 7½	2 0	363	
Do.	1	11 7½	7 11½	2 0	185	
Front verandah	1	25 1	5 7½	2 0	282	
Rear	1	15 7½	5 7½	2 0	265	
Do.	1	7 11½	5 7½			
Yard	1	25 10	11 7½	1 0	300	
Outhouses (latrine)	1	6 10½	7 7½	1 8	87	
Do.	1	6 10½	7 7½	2 0	105	
Do.	1	9 1	7 7½	2 0	139	
Total, Cubic feet ..	..	..	..	..	..	1,726
Country wood wrought and put up—						
Hip rafters for main rooms including overlaps	4	25 6	0 4	0 7	20	
Rafters including overlap	2	20 0	0 3	0 5	4	
Do. do.	2	19 0	0 4	0 7	7	
Jacks	4×18	10 9	0 3	0 5	81	
Wall plates	3	29 0	0 4	0 3	10	
Do. on main walls	2	14 0				
Do. do.	1	9 0				
Bressummer front verandah including overlap.	1	27 0	0 5	0 6	6	
Wall plates for outhouses	2	28 0	0 4	0 3	5	
Ridge do.	1	31 0	0 3	0 6	4	
Rafters	2×19	8 0	0 2½	0 3	16	
Lintels over doors	8	4 0	1 1½	0 3	9	
Do. windows	6	3 6	1 1½	0 3	7	
Do. do.	1	2 6	1 1½	0 3		
Door in enclosure wall	1	3 6	0 9	0 3	8	
Openings in end wall of front verandah ..	2	3 6	1 1½	0 3		
Do. do. in rear do. ..	1	7 0	1 1½	0 4		
Ventilators in latrine	2	4 0	1 1½	0 3		
Total, Cubic feet ..	..	..	..	..	..	177
Country wood posts—						
About 5″ thick for front verandah	4	7 0	..	..	28	28 R. ft. No. 4
Slab stones under posts	4	..	..	..	..	
Country wood batten doors and windows—						
Doors	8	3 0	..	6 0	144	
Windows	6	2 6	..	3 0	45	
Do.	1	1 6	..	3 0	5	
Door in end walls..	1	2 6	..	6 0	15	
Door for cistern	1	4 0	..	4 6	18	
Total, Square feet ..	..	..	..	..	..	227
Honeycomb tiled work—						
For ventilators in latrine	2	3 0	..	3 0	18	
Total, Square feet ..	..	..	..	..	..	18
Roofing with flat and pantiles including country wood reepers—						
Main rooms	2	$\frac{30\ 9}{2}$	19 0	..	584	
Do.	2	$\frac{31\ 6}{2}$	19 0	..	599	
Total, Square feet ..	..	..	..	..	..	1,183
Roofing with pantiles and country wood reepers—						
Outhouses	2	31 0	..	8 3	512	
Total, Square feet ..	..	..	..	..	..	512

Estimate Form.—Detail Measurements—cont.

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Quarters for Hospital Assistants in Civil Employ—cont.		FT. IN.	FT. IN.	FT. IN.		
Flooring with mud—						
Main rooms	1	16 0	..	12 0	192	
Do.	1	12 0	..	8 4	100	
Do.	1	16 0	..	6 0	96	
Do.	1	8 4	..	6 0	50	
Front verandah	1	25 5½	6 0	..	153	
Kitchen	1	9 5½	8 0	..	76	
Godown	1	7 3	8 0	..	58	
Total, Square feet ..	..	..	..	..	..	725
Flooring latrine with concrete 4″ thick plastered with Portland cement ½″ thick exclusive of pial	1	7 7½	..	6 11½	52	
Total, Square feet ..	..	..	..	..	..	52
Plastering with Portland cement ½″ thick—						
Floor of cistern	1	2 6	..	2 6	6	
Walls inside	1	10 0	..	2 7½	26	
Do top	1	9 4½	..	0 9	7	
Do. outside	1	10 6	..	2 6	26	
Seat in latrine	1	7 6	..	2 3	17	
Ends	2	0 9	..	0 9	1	
Total, Square feet ..	..	..	..	..	..	83
Plastering with chunam 1 coat—						
Exterior walls main rooms	2	28 6	..	7 0	399	
Front verandah wall	1	25 5½	..	Average 10 9	274	
Sides of front verandah	2	7 1½	..	9 6	135	
Ends of do.	2	1 1½	..	7 0	16	
Rear wall	2	26 2½	..	7 0	183	
Enclosure wall	2	12 0	..	13 0	312	
Outhouses	1	74 6	..	8 0	596	
Do. gables	2	10 3	..	1 9	36	
Ends over compound wall	2	0 9	..	2 0	3	
Screen wall	1	10 9	..	6 6	70	
Steps in front	1	7 0	..	3 0	21	
Do. in ends	2	3 0	..	1 0	6	
Do. in rear	4	3 0	..	1 0	12	
Do. do.	1	6 0	..	1 0	6	
Sides of rear steps	2 × 5	1 0	..	0 6	5	
Sides of door in enclosure wall	1	12 0	..	0 9	9	
Sides of openings in front verandah ..	2	9 0	..	1 1½	20	
Basement all round front	1	28 1	..	2 0	56	
Do. top	1	25 5½	..	1 1½	29	
Sides of main room	2	28 10½	..	2 0	116	
Do. rear	1	26 7	..	1 0	27	
Wall all round of outhouses	1	76 0	..	Average 1 9	133	
Enclosure wall	2	11 7½	..	1 0	23	
Deductions—						2,487
Doors	5	3 0	..	6 0	90	
Opening in rear verandah	1	6 0	..	6 6	39	
Windows	6	2 6	..	3 0	45	
Do.	1	1 6	..	3 0	5	
Openings in front verandah	2 × 2	2 6	..	3 0	30	
Honeycomb work	2	3 0	..	3 0	18	
						227
Net total, Square feet ..	..	..	..	..	..	2,260
Mud plastering—						
Main room longl. walls	3	12 6	..	12 0	450	
Cross wall	1 × 2	12 0	..	12 0	288	
Gable in do.	1 × 2	12 0	..	0 9	18	
Front and rear walls of main rooms at ends including gables	6	6 4½	..	10 0	383	
End walls outer including verandah ..	2	18 0	..	7 6	270	
Back wall rear verandah	1	24 4	..	7 6	183	
Outhouses, latrine and godown	2	30 6	..	8 0	488	
Do. kitchen	1	34 11	..	8 0	279	
Gables	6	8 0	..	1 9	84	
Total, Square feet ..	..	..	..	..	..	2,443

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper:—

From G. S. T. HARRIS, Esq., Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, Madras, 30th September 1898, No. 2071.

With reference to your Memo. No. 3632 C., dated the 19th August 1898, I have the honour to submit fair copies of the plan and estimate for quarters for Civil Hospital Assistant.

ENCLOSURES.

Type design for quarters for Hospital Assistants in Civil employ according to drawing signed by the Consulting Architect to Government on 29th September 1898.

Descriptive Specification.

Foundations.—A depth of 2½ feet is provided in the quantities, but this should be settled locally by the Executive Engineer in charge, in accordance with the nature of the soil.

Basement.—The foundations will consist of a bed of concrete 2 feet thick and burnt brick in mud up to floor level.

Superstructure.—The superstructure will be carried up with sun-dried bricks in mud, pillars of burnt brick in lime mortar will be constructed at angles, and where the hip rafters rest, as shown in plan.

Woodwork.—All roof supports, doors and windows to be of country wood.

Roofing.—To be of flat and pantiles laid on country wood reepers.

Flooring.—To be of mud well rammed and plastered smooth except for the latrine which will be laid with concrete 4″ thick and plastered with Portland cement ½″ thick.

Plastering.—Exterior walls to be plastered with one coat of chunam plaster. Interior to be mud plastered and whitewashed. The cistern outside the latrine to be plastered with cement.

Estimate Form—Detail Measurements.

Detail of work.	Number.	Measurements in feet.						Area or contents.	Total quantity of each description of work.
		Length.		Breadth.		Depth.			
1	2	3		4		5		6	7
Quarters for Hospital Assistants in Civil Employ.		FT.	IN.	FT.	IN.	FT.	IN.		
Earthwork—									
Excavation for foundations—									
Outer walls of main rooms	1	79	5	2	6	2	6	496	..
Partition walls	1	10	7½	2	6	2	6	66	..
Front and rear verandah walls	2	29	1	2	6	2	6	364	..
Do. end and cross walls	5	4	7½	2	6	2	6	145	..
Outer walls of outhouses	1	71	5	2	6	2	6	446	..
Cross walls in do.	2	6	7½	2	0	2	6	66	..
Walls enclosing yard	2	10	7½	2	0	2	6	106	..
Screen wall in do.	1	5	0	2	0	2	6	25	..
Steps in front	1	7	6	2	9	0	6	10	..
Cistern	1	4	6	3	0	2	0	27	..
Total, Cubic feet	..	..		..		..		..	1,751
Concrete—									
Outer walls of main rooms	1	79	5	2	6	2	0	397	..
Partition wall in do.	1	10	7½	2	6	2	0	53	..
Front and rear verandah walls	2	29	1	2	6	2	0	291	..
Do. end and cross walls	5	4	7½	2	6	2	0	116	..

Estimate Form.—Detail Measurements—cont.

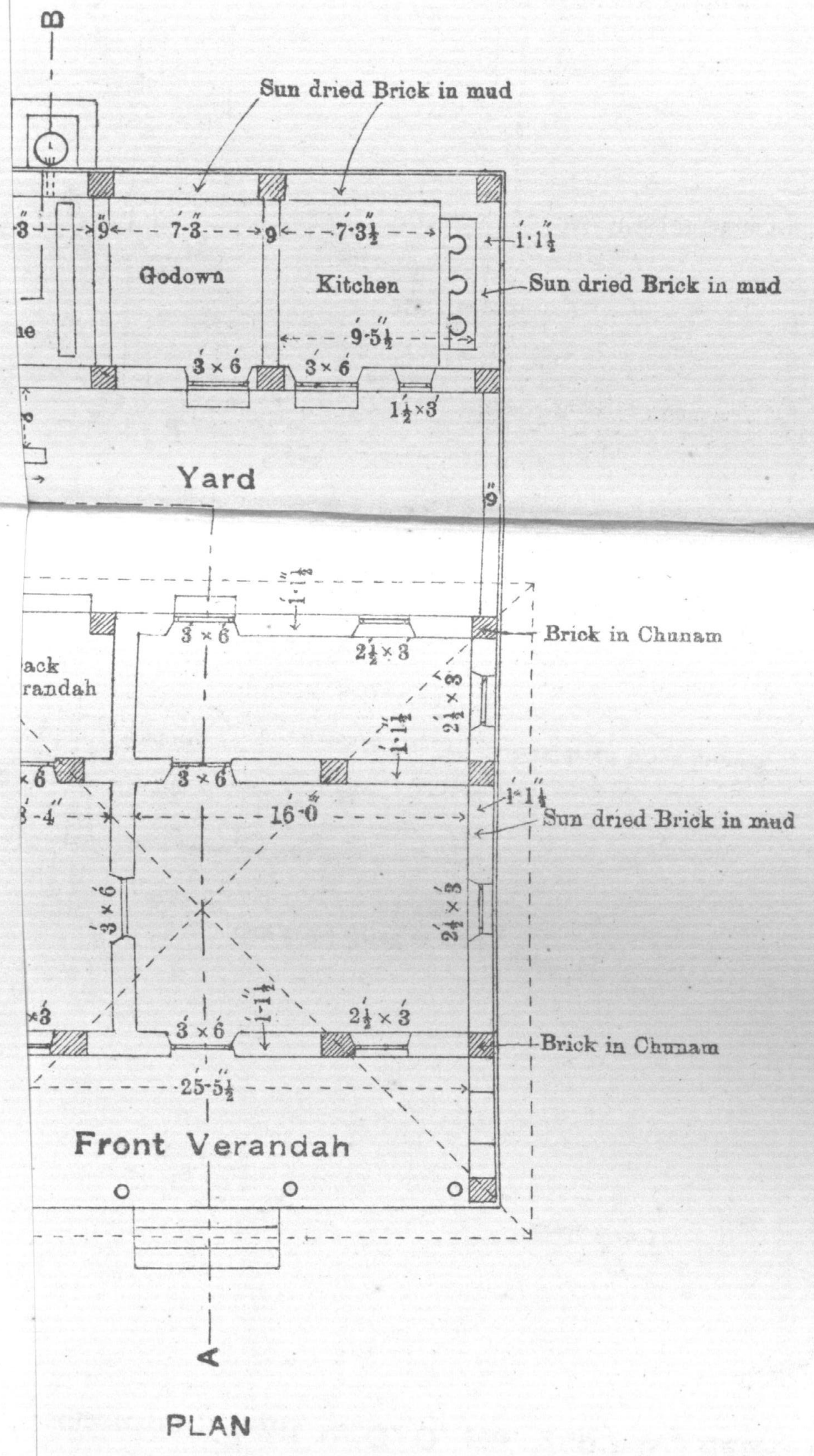
Detail of work.	Number.	Measurements in feet.						Area or contents.	Total quantity of each description of work.
		Length.		Breadth.		Depth.			
1	2	3		4		5		6	7
Quarters for Hospital Assistants in Civil Employ—cont.		FF.	IN.	FT.	IN.	FT.	IN.		
Concrete—*cont.*									
Outer walls of outhouses	1	71	5	2	6	2	0	357	
Cross walls in do.	2	6	7½	2	0	2	0	53	
Walls including yard	2	10	7½	2	0	2	0	85	
Screen wall in do.	1	5	0	2	0	2	0	20	
Steps in front	1	7	6	3	3	0	6	12	
Cistern	1	4	6	3	0	1	0	14	
Total, Cubic feet	..	..		..		..		..	1,398
Brick work in mud for foundations and basement—									
Outer walls of main rooms	1	79	5	1	6	2	6	298	
Partition wall	1	11	7½	1	6	2	6	44	
Front and rear verandah walls	2	28	1	1	6	2	6	211	
Do. end and cross walls	5	5	7½	1	6	2	6	105	
Outer walls of outhouses	1	71	5	1	6	2	6	268	
Cross walls in do.	2	7	7½	1	1½	2	6	43	
Walls enclosing yard	2	11	7½	1	1½	1	6	39	
Screen wall in do.	1	5	0	1	1½	1	6	8	
Steps in front	1	7	0	3	0	1	0	21	
Steps in yard	1	6	0	1	0	2	0	12	
Do.	4	3	0	1	0	2	0	24	
Total, Cubic feet	..	..		..		..		..	1,073
Superstructure with sun-dried bricks in mud—									
Main rooms longl. walls between hip rafters	2	12	6	1	1½	12	0	338	
Cross wall do.	1	12	0	1	1½	12	0	162	
Gable in do.	1	11	3	1	1½	2	0	25	
Front and rear walls of main room at ends including gables	4	6	4½	1	1½	10	0	287	
End walls outer including verandahs	2	28	6	1	1½	7	6	481	
Back wall of rear verandah	1	25	5½	1	1½	7	6	215	
Main walls of outhouses	1	71	5	1	1½	8	0	643	
Cross walls of do.	2	8	0	0	9	8	0	96	
Gables at ends	2	10	3	1	1½	1	9	40	
Do. over cross walls	2	9	1½	0	9	1	9	24	
Screen wall	1	5	0	0	9	6	0	23	
Walls enclosing yard	2	12	0	0	9	6	0	108	
Do. over doorway	1	6	0	0	9	2	0	9	2,451
Deductions—									
Doorways	8	3	0	1	1½	6	0	162	
Windowways	6	2	6	1	1½	3	0	51	
Do.	1	1	6	1	1½	3	0	5	
Doorway in enclosed wall	1	2	6	0	9	6	0	11	
Openings in end walls of front verandah	2	2	6	1	1½	3	0	17	
Do. in rear do.	1	6	0	1	1½	6	6	44	
Ventilators in latrine	2	3	0	1	1½	3	0	20	
Brick work in chunam—									
Pillars in front and rear wall of main room	4	1	6	1	1½	12	0	81	
Do. in outer walls	10	1	1½	1	1½	7	6	95	
Do. in outhouses	8	1	1½	1	1½	8	3	84	
Top of walls longl. between brick pillars	2	11	3	1	1½	0	6	13	
Cross walls	1	14	0	1	1½	0	6	8	
Front and rear walls of main rooms at ends	4	7	0	1	1½	0	6	16	
End walls outer including verandahs and exclusive of pillars	2	24	0	1	1½	0	6	27	
Back wall of rear verandah	1	17	1½	1	1½	0	6	10	
Front and rear walls of outhouses	2	23	2½	1	1½	0	6	26	
Do. over gables at ends	2	10	0	1	1½	0	6	11	
Do. over cross walls	2	10	0	0	9	0	6	8	
Over screen walls	1	5	0	0	9	0	9	3	
Walls enclosing yard	2	12	0	0	9	0	9	14	
									706
Net total, Cubic feet	..	..		..		..		..	1,745
Brick in chunam work as per above deductions	..	..		..		..		396	
Pial in latrine including foundations	1	7	0	0	9	1	9	9	
Floor of cistern	1	4	0	2	0	0	6	4	
Wall of do.	2	3	3	0	9	2	7½	13	
Do. do.	1	2	6	0	9	2	3	4	
Top portion of enclosure wall over door	2	2	0	0	9	0	9	1	
Total, Cubic feet	..	..		..		..		..	427

Nº

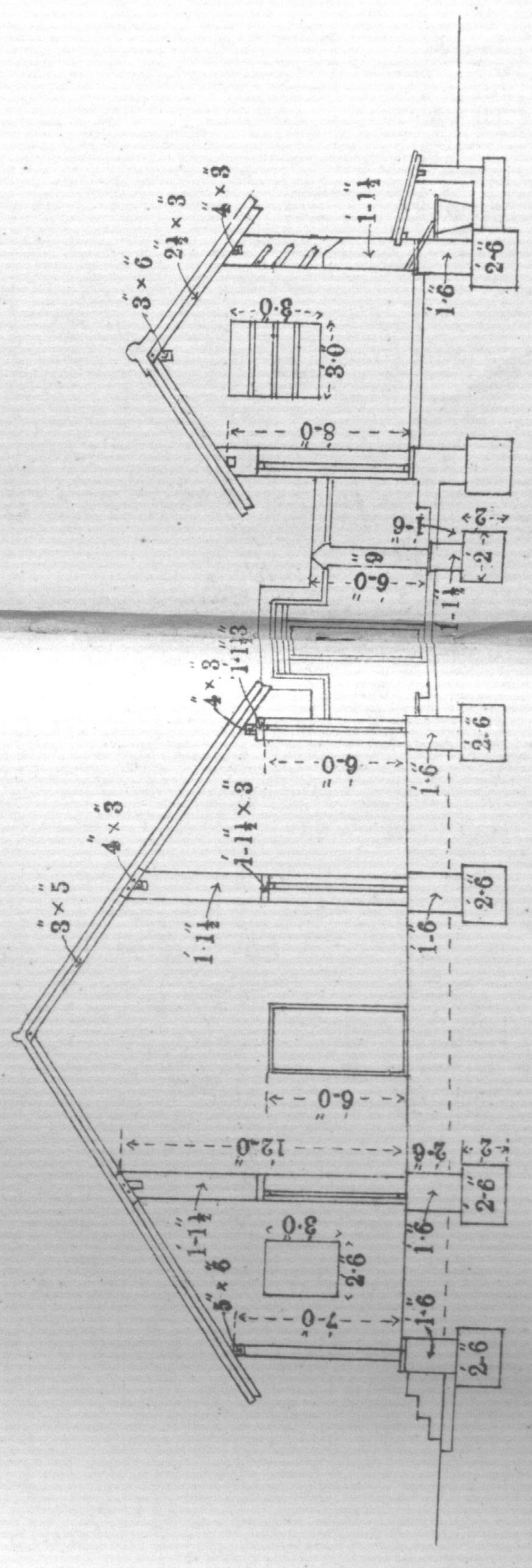
YPE DESIGN OF QUARTERS FOR CIVIL HOSPITAL ASSISTANTS

Accompaniment to G. O. No. 2892 W. dated 15th November 1898

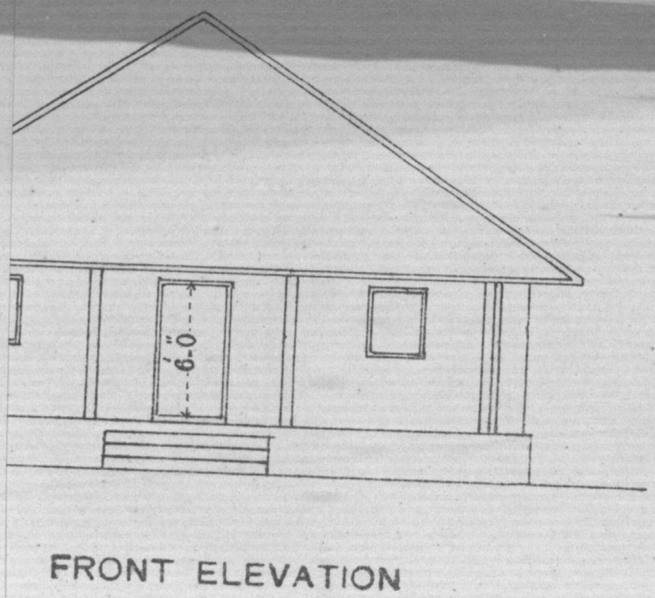
Scale 8′ = 1″



PLAN



SECTION ON A B



FRONT ELEVATION

(Signed) A. S. RUSSELL.
Dy: Chief Engineer P. W. D.

(Signed) GEO: HARRIS
Consulting Architect
To Government
29th September 1898

Area including Court-yard.

×51'-1½" = 1436 sft

Photo-Zinco., Survey Office, Madras
1899

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per.	Amount.	Total.
1	2	3	4	5	6
		RS. A. P.		RS.	RS.
1,751 C. ft.	Excavation for foundations	4 10 0	1,000	8	
1,398 do.	Concrete	10 0 0	100	140	
1,073 do.	Brick in mud foundations and basement	12 0 0	Do.	129	
1,745 do.	Sun-dried brick in mud for superstructure ..	4 0 0	Do.	70	
427 do.	Brick in chunam	17 0 0	Do.	73	
1,726 do.	Filling in basement	3 0 0	1,000	5	
177 do.	Country wood wrought and put up	2 4 0	C. ft.	398	
28 R. ft.	Country wood posts	0 5 0	R. ft.	9	
No. 4	Slab stones under posts	0 4 0	Each	1	
227 S. ft.	Country wood batten doors and windows ..	0 8 0	S. ft.	114	
18 do.	Honeycomb tiled work	9 6 0	100 S ft.	11	
1,183 do.	Roofing with flat and pantiles including country wood reepers	12 0 0	Do.	142	
512 do.	Roofing with pantiles and country wood reepers ..	9 8 0	Do.	49	
725 do.	Flooring with mud	0 13 0	Do.	6	
52 do.	Flooring latrine with concrete 4″ thick and plastered with ½″ Portland cement	10 0 0	Do.	5	
83 do.	Plastering with Portland cement ½″ thick to cistern outside	6 8 0	Do.	5	
2,260 do.	Plastering with chunam one coat to exterior walls..	1 8 0	Do.	34	
2,443 do.	Plastering with mud and lime wash to interior walls.	0 8 0	Do.	12	
	Providing ovens	..	Do.	1	1,212
	Contingencies at 5 per cent.	..	..	59	
	Petty supervision at 2½ per cent.	..	..	29	88
	Grand total of Estimate ..	..	..	..	1,300

ORDER—No. 2892 W., dated 15th November 1898.

The revised type design of quarters for Civil Hospital Assistants, with descriptive specification and schedule of quantities, will be circulated to officers of the Public Works Department for information and guidance, in supersession of the type design circulated with G.O., No. 1796 W., dated 19th July 1895.

(True Extract.)

(Signed) W. B. deWINTON,
Secretary to Government.

To all Superintending Engineers.
„ the Consulting Architect to Government.
„ the Public Department.
„ the Local and Municipal Department.

Exd. C. Parthasarathy.

C. No. 8154

2892 W, 07/15/11

Secy

Please draft G.O. issuing type design with schedule of quantities for constructing Civil Hospital Dist. quarters.

The necessary action will be taken by me to have the design lithographed as soon as the G.O. is passed.

21/10/98.

Cno 8152

DW

This estimate might perhaps be now finally checked by J, & then issued to the Depo with a G.O., in the manner usual for type plans –

The estimate in the linked file might be taken up for disposal. The amount is less than C.A.'s type estimate.

There are also in this file, papers relating to proposed quarters for a Staff Asst. at Bhadrachalam. They will have to be disposed of after the ~~type~~ type plan is circulated. Cs
1.10.[illegible]

T/

Check ~~type~~ type plan before issue.

2. Compare S.E.'s (Circle) Estimate with type plan, & state briefly the differences. If they are unimportant, the Estimate may be passed. Otherwise, return for preparation according to type plan.

3. Bhadrachalam papers can be taken up afterwards.

ACK
1.10.98.

DW/

Type design & estimate have been examined.

2. Estimate has been compared vide separate note attached to linked file.

3. Will be attended to after the issue of type design

Tho.
28/10/98.

Public Works (1898) Department.

Money has been removed for the Survey Office
Tho
15.11.98

B. T. Civil works

CURRENT No. 9154

A

Order No: 2892 W of 15.11.98.

The revised type design of quarters for Civil Hospital Assistants, with descriptive specification and schedule of quantities, will be circulated to officers of the P.W. dept. for information and guidance, in supersession of the type design circulated with G.O. No. 1796 W dated 19th July 1895.

ACK
2.11.98.

5.11.98

4.11.98.

To
The Hon'ble the Chief Secy.
for favour of counter-initials.

Note The design has been approved of by the Hon'ble Sir H. Bliss & the Hon'ble Mr. Arundel.

From
The Consulting Architect
to the Government
of Madras.

No. 2071

Dated 30th September 1898
Received 1-10-98
Registered 1-10-98
Enclosures 4 (1 Plan)
Spare copies

* Flag Z

SUBJECT.

Submitting fair copy of the plan & Estimate for quarters for Civil Hospital Assistants

TK
BPh
C.S
DW

To
All Supdg. Engrs. ✓
The C.A. to Govt. ✓
" Public Dept 51
" L & M Dept. 7
C.S. 8-11-98.

3/11/98

16/11/98

BACK PAPERS.

No.	Date.
3632 C	19-8-98
3184 C	15-7-98
3286 C	23-7-98
687 D	20-7-98
R. No. 10	6-1-98 Judl. ors
963	17-7-97 Public "
27	13-1-97 " "
1274	4-12-96 " "
775	31-7-96 " "
639	17-6-96 " "
895	29-10-95 Public S.C. with other G.Os.

FURTHER PAPERS.

No.	Date.

28

Type design for quarters for Hospital Assistants in Civil Employ according to drawing signed by the Consulting architect to Government on 29th September 1898.

Descriptive Specification

Foundations A depth of 2½ feet is provided in the quantities, but this should be settled locally by the Executive Engineer in charge, in accordance with the nature of the soil.

Basement The foundations will consist of a bed of concrete 2 feet thick and burnt brick in mud up to floor level.

Superstructure. The Superstructure will be carried up with sundried bricks in mud, pillars of burnt brick in lime mortar will be constructed at angles, and where the hip rafters rest, as shewn in plan.

Wood work. All roof supports, doors & windows to be of country wood.

Roofing. To be of flat and pantiles laid on country wood reepers.

Flooring. To be of mud well rammed and plastered smooth except for the latrine which will be laid with concrete 4" thick & plastered with Portland Cement ½" thick.

Plastering Exterior walls to be plastered

with

with 1 Coat of Chunam plaster. Interior to be mud plastered and whitewashed The cistern outside the latrine to be plastered with Cement.

Geo Harris
Consulting architect to Govt

PWE-2
8154/58

E. 120.
5,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Quarters for Hospital assistants in Civil Employ						
Earth work.						
Excavation for foundations.						
Outer walls of main rooms	1	79.5	2.6	2.6	496	
Partition walls	1	10.7½	2.6	2.6	66	
Front & rear Verandah walls.	2	29.1	2.6	2.6	364	
Do End & Cross walls.	5	4.7½	2.6	2.6	145	
Outer walls of out houses	1	71.5	2.6	2.6	446	
Cross walls in Do	2	6.7½	2.0	2.6	66	
Walls enclosing yard.	2	10.7½	2.0	2.6	106	
Screen wall in Do	1	5.0	2.0	2.6	25	
Steps in front	1	7.6	2.9	0.6	10	
Cistern	1	4.6	3.0	2.0	27	
				Total Cfeet		1751
Concrete						
Outer walls of main rooms	1	79.5	2.6	2.0	397	
Partition wall in Do	1	10.7½	2.6	2.0	53	
Front & rear Verandah walls	2	29.1	2.6	2.0	291	
Do End & cross walls.	5	4.7½	2.6	2.0	116	
Outer walls of out houses	1	71.5	2.6	2.0	357	
Cross walls in Do.	2	6.7½	2.0	2.0	53	
Walls including yard.	2	10.7½	2.0	2.0	85	
Screen wall in Do	1	5	2.0	2.0	20	
Steps in front	1	7.6	3.3	0.6	12	
Cistern.	1	4.6	3.0	1.0	14	
				Total Cub ft		1398

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brick work in mud for foundations & basement						
Outer walls of main rooms	1	79·5	1·6	2·6	298	
Partition wall	1	11·7½	1·6	2·6	44	
Front & rear Verandah walls	2	28·1	1·6	2·6	211	
Do End & Cross walls	5	5·7½	1·6	2·6	105	
Outer walls of out houses	1	71·6	1·6	2·6	268	
Cross walls in Do	2	7·7½	1·1½	2·6	43	
Walls enclosing yard	2	11·7½	1·1½	1·6	39	
Screen wall in Do	1	5·0	1·1½	1·6	8	
Steps in front	1	7·0	3·0	1·0	21	
Steps in yard	1	6·0	1·0	2·0	12	
Do	4	3·0	1·0	2·0	24	
Total Cub ft						1073
Superstructure with Sundried bricks in mud						
Main rooms Longl walls between Hip rafters	2	12·6	1·1½	12·0	338	
Cross wall Do	1	12·0	1·1½	12·0	162	
Gable in do do	1	~~11·3~~ 11·3	1·1½	~~2·9~~ 2·0	~~12~~ 25	
Front & rear walls of main room at ends including gable	4	6·4½	1·1½	10·0	287	
End walls outer including Verandahs	2	28·6	1·1½	7·6	481	
Carried Over					~~1280~~ 1293	

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ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					~~1280~~ 1293	
Back wall of rear Verandah	1	25·5½	1·1½	7·6	215	
Main walls of out houses	1	71·5	1·1½	8·0	643	
Cross walls of do	2	8·0	0·9	8·0	96	
Gables at Ends	2	10·3	1·1½	1·9	40	
Do Over cross walls	2	~~10·3~~ 9·13	0·9	1·9	~~27~~ 24	
Screen wall	1	5·0	0·9	6·0	23	
Walls enclosing Yard	2	12·0	0·9	6·0	108	
Do over doorway	1	6·0	0·9	2·0	9	~~2432~~ 2451
Deductions						
Doorways	8	3·0	1·1½	6·0	162	
Windowways	6	2·6	1·1½	3·0	51	
Do	1	1·6	1·1½	3·0	5	
Doorway in enclosed wall	1	2·6	0·9	6·0	11	
Openings in end walls of front Verandah	2	2·6	1·1½	3·0	17	
Do in rear Do	1	6·0	1·1½	6·6	44	
Ventilators in latrine	2	3·0	1·1½	3·0	20	
Brick work in Chunam						
Pillars in front & rear wall of main room	4	1·6	1·1½	12·0	81	
Do in outer walls	10	1·1½	1·1½	7·6	95	
Do in Out houses	8	1·1½	1·1½	8·3	84	
Top of walls Longl between brick pillars	2	11·3	1·1½	0·6	13	
Cross walls	1	14·0	1·1½	0·6	8	
Front & rear walls of main rooms at ends	4	7·0	1·1½	0·6	16	
Carried Over					607	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Brought forward					607	
End walls outer including Verandahs & inclusive of pillars	2	24-0	1-1½	0-6	27	
Back wall of rear Verandah	1	17-1½ 16-0	1-1½	0-6	10 9	
Front & rear walls of out houses	2	23-2½	1-1½	0-6	26	
Do Over gables at ends	2	10-0	1-1½	0-6	11	
Do Over cross walls	2	10-0	0-9	0-6	8	
Over Screen walls	1	5-0	0-9	0-9	3	
Walls enclosing yard	2	12-0	0-9	0-9	14	
						706 705
Net Total Cub ft						1727 1745
Brick in Chunam work As per above deductions					396 395	
Pial in Latrine including foundations	1	7-0	0-9	1-9	9	
Floor of cistern	1	4-0	2-0	0-6	4	
Wall of Do	2	3-3	0-9	2-7½	13	
Do	1	2-6	0-9	2-3	4	
Top portion of enclosure wall over door	2	2-0 1-0	0-9	0-9	1	
Total Cub ft						427 426
Filling in basement						
Main room	1	15-7½	11-7½	2-0	363	
Do	1	11-7½	7-11 8-0	2-0	185 186	
Front Verandah	1	25-1	5-7½	2-0	282	
Rear	1	15-7½	5-7½	2-0	265 266	
Do	1	7-11 8-0	5-7½			
Carried Over					1095 1097	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Brought forward					1095 ~~1097~~	
Yard	1	25-10	11-7½	1-0	300	
Out houses (Latrine)	1	6-10½ 6-11½	7-7½	1-8	87 ~~88~~	
Do	1	6-10½ 6-11½	7-7½	2-0	105 ~~106~~	
Do	1	9-1	7-7½	2-0	139	
Total Cub ft						1726 1730
Country wood wrought & put up						
Hip rafters for main rooms including overlaps	4	25-6	0-4	0-7	20	
Rafters including overlap	2	20-0	0-3	0-5	4	
Do	2	19-0	0-4	0-7	7	
Jacks	4×18	10-9	0-3	0-5	81	
Wall plates	3	29-0	0-4	0-3	10	
Do on main walls	2	14-0				
Do	1	9-0				
Bressummer front Verandah including Overlaps	1	27-0	0-5	0-6	6	
Wall plates for Out houses	2	28-0	0-4	0-3	5	
Ridge Do	1	31-0	0-3	0-6	4	
Rafters	2×19	8-0	0-2½	0-3	16	
Lintels over doors	8	4-0	1-1½	0-3	9	
Do Do Windows	6	3-6	1-1½	0-3	7	
Do	1	2-6	1-1½	0-3		
Door in enclosure wall	1	3-6	0-9	0-3	8	
Openings in end wall of front Verandah	2	3-6	1-1½	0-3		
Do Do in rear Do	1	7-0	1-1½	0-4		
Ventilators in Latrine	2	4-0	1-1½	0-3		
Total Cubic feet						177

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Country wood posts.						
about 5" thick for front Verandah	4	7·0			28	28 Cft
Slab Stones under posts.	4	0			No	4
Country wood batten doors & windows.						
Doors	8	3·0		6·0	144	
Windows	6	2·6		3·0	45	
Do	1	1·6		3·0	5	
Door in 2nd walls	1	2·6		6·0	15	
Door for cistern.	1	4·0		4·6	18	
				Total	Sqft.	227
Honey comb tiled work						
For Ventilators in Latrine	2	3·0		3·0	18	
				Total	Sft	18
Roofing with flat and pantiles including country wood reepers.						
Main rooms	2	30·9/2	19·0		584	
Do	2	31·6/2	19·0		599	
				Total	Sqft	1183
Roofing with pantiles and Country wood reepers.						
Out houses.	2	31·0		8·3	512	
				Total	Sqft	512
Flooring with mud						
Main rooms.	1	16·0		12·0	192	
D	1	12·0		8·4	100	
Do	1	16·0		6·0	96	
Do	1	8·4		6·0	50	
				C. O.	438	

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50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
B. F.					438	
Front Verandah	1	25·5½	6·0		153	
Kitchen	1	9·5½	8·0		76	
Godown	1	7·3	8·0		58	
				Total	Sft	725
Flooring latrine with concrete 4" thick plastered with Portland cement ½" thick exclusive of seat						
	1	7·7½		6·11½ 6·11½	52 47	
				Total	Sqft	52 47
Plastering with Portland Cement ½" thick						
Floor of cistern	1	2·6		2·6	6	
Walls inside	1	10·0		2·7½	26	
Do top.	1	9·4½		0·9	7	
Do Outside.	1	10·6		2·6	26	
Seat in latrine	1	7·6		2·3	17	
Ends	2	0·9		0·9	1	
				Total	Sqft	83
Plastering with chunam 1 coat						
Exterior walls main rooms	2	28·6		7·0	399	
Front Verandah wall	1	25·5½		average 10·9	274	
Sides of front Verandah	2	7·1½		9·6	135	
Ends of Do	2	1·1½		7·0	16	
Rear wall	2	26·2½		7·0	183	
Enclosure wall.	2	12·0		13·0	312	
Out houses	1	74·6		8·0	596	
Do gables	2	10·3		1·9	36	
				C. Over	1951	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7

Ows. 3
8154/58

870

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		RS.		RS.	RS.
1751 Cft	Excavation for foundations	4-10-0	1000	8	
1398 "	Concrete	10-0-0	100	140	
1073 "	Brick in mud foundations and basement	12-0-0	"	129	
~~1727~~ 1745 "	Sundried brick in mud for Superstructure	4-0-0	"	~~69~~ 70	
~~426~~ 427 "	Brick in Chunam	17-0-0	"	~~72~~ 73	
~~1730~~ 1726 "	Filling in basement	3-0-0	1000	5	
177 "	Country wood wrought & put up	2-4-0	Cft	398	
28 Rft	Country wood posts	0-5-0	Rft	9	
4 No	Slab Stones under posts	0-4-0	Each	1	
227 Sft	Country wood batten doors & windows	0-8-0	Sft	114	
18 "	Honeycomb tiled work	9-6-0	100	11	
1183 "	Roofing with flat and pantiles including country wood reepers	12-0-0	"	142	
512 "	Roofing with pantiles & Country wood reepers	9-8-0	"	49	
725 "	Flooring with mud	0-13-0	"	6	
~~47~~ 52 "	Flooring laterine with concrete 4" thick & plastered with ½" Portland cement	10-0-0	"	5	
	C. Orr			~~458~~ 1160	

Grand Total of Estimate ..

Station——————
Date——————189 .

Executive Engineer.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
B. Ft.					1951	
Ends over Compound wall	2	0-9		2-0	3	
Screen wall	1	10-9		6.6	70	
Steps in front	1	7-0		3-0	21	
Do Ends	2	3-0		1-0	6.	
Do Rear.	4	3-0		1-0	12	
Do	1	6-0		1-0	6	
Sides of rear Steps	2×5	1-0		0-6	5	
Sides of doors in Enclosure wall	1	~~17-0~~ 12.0		0-9	~~13~~ 9	
Do of Openings in front Verandah	2	~~11-0~~ 9.0		1-1½	~~25~~ 20	
Basement all round front	1	28-1		2-0	56	
Do top.	1	25-5½		1-1½	29	
Sides of main room	2	28-10½		2-0	116	
Do Rear	1	26-7		1-0	27	
Wall all round of Outhouses	1	76-0		average 1-9	133	
Enclosure wall	2	11-7½		1-0	23	
					2487 ~~2496~~	
Deductions Doors	5	3-0		6-0	90	
Opening in rear Verandah Do	1	6-0		6-6	39	
Windows	6	2-6		3-0	45	
Do	1	1-6		3-0	5	
Openings in front Verandah	2×2	2-6		3-0	30	
Honeycomb work	2	3-0		3-0	18	
					227	
Net Total Sq ft					2269	2260

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ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Mud plastering.						
Main room Long walls	3	12-6		12-0	450	
Cross wall	1×2	12-0		12-0	288	
Gable in do	1×2	12-0		0-9	18	
Front & rear walls of main rooms at ends including gables	6	6-4½		10-0	383	
End walls outer including Verandah.	2	18-0		7-6	270	
Back wall rear Verandah	1	24-4		7-6	183	
Out houses Latrines & godown	2	30-6		8-0	488	
Do Kitchen	1	34-11		8-0	279.	
Gables	6	8-0		1-9	84	
Total Sq feet						2443

Checked
29/9/98.

Consulting architect to Govt.
30. 9. 98.

(E. No. 123.)

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CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

9B

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward			1160 ~~1158~~	
83 Sft	Plastering with Portland cement ½" thick to cistern outside	6-8-0	100	5	
2260 ~~2269~~ "	Plastering with chunam 1 coat to Interior walls	1-8-0	"	34	
2443 "	Plastering with mud & lime wash to interior walls	0-8-0	"	12	
	Providing Ovens			1	2 1218
	Contingencies @ 5%			59 ~~60~~	
	Petty Supervision @ 2½%			29 ~~30~~	
					88 90
	Grand Total of Estimate ..				1,300

Checked
29/9/98.

STATION Chepauk

Date 30th September 1898.

Consulting Architect to Go
~~Executive Engineer.~~

(E. No. 123.)

50,000—12-2-97.

Circle—

Division—Consulting architect

District—Madras

Taluk (or Estate in case of Estate Works.)

ESTIMATE FORM.—Abstract.

Financial Head—Provincial

Budget Head—Civil Building

Departmental Head—Original work

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—Constructing quarters for Hospital Assistants in Civil Employ

Amount of Estimate, Rs.—1300/-

To be carried out by—

REFERENCES.

PWD 4/8154/18

C. A./1 500—11-6-97.

No. 2071 W

Office of the Consulting Architect to Govt,
Chepauk, Madras,
30th September 1898.

From
G. S. T. Harris, Esq.,
Consulting Architect
to the Government of Madras,

To
The Chief Engineer
Public Works Department

Sir,

4 Enclosures.

With reference to your Memo: No. 3632 C dated the 19th August 1898, I have the honour to submit fair copies of the plan & Estimate for quarters for Civil Hospital assistant.

I have the honour to be
Sir
Your most obedient Servant
G. Harris
Consulting Architect
to Government