Public Works (1896) Department.

G.O., No. 2130 W

Dated 21 July 96

[Despatch Abstract.]

Bengal Barrack Regulations.

Letter from the Director General of Military Works forwarding Copies of the revised edition Appendix &c Communicated to offices concerned

P. W.-138.
1,000—8-8-96.

BACK PAPERS.

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

FURTHER PAPERS.

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

P. W. O. No. 6065

Encls 1 (155.c)
Recd: 6.7.96

No: 2132 W. dated 21 July 1896
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Communicated to
offices concerned.

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Secretary
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Engineers

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Madras

23/7/96
O.L.S-2463 23/7

All communications to be addressed to the Director General of Military Works in India.

No. 1773
B.

Military Works Department,
Simla, 30th June 1896.

From

The Director General of Military Works in India,

To

The Secretary to the Government of Madras,
Public Works Department,
Madras.

Sir,

I have the honor to forward 20 copies of Part VI of the revised Edition of Appendix M, Bengal Barrack Regulations, accommodation authorised for Station Hospitals-British -in Mills and Hutted Camps.

I have the honor to be,
Sir,
Your most obedient servant,

J. H. Causton
Lieutt: Col: R.E. & Col.
For offg: Director General of Military Works in India

Enclosures

20 Copies of Part VI Appendix M.

PART VI.

Accommodation authorised for Station Hospitals—British—in the Hills and in Hutted Camps.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.		Standard plan.	Type plan.	
								Authority.	Particulars.			
			Feet.	Feet.	Feet.	Supl. ft	Supl. ft.			No.	No.	Series.
								Clause 147 of I. A. Circulars for 1881.	All hospitals for British troops in the Bengal Presidency shall, in future, be organised and conducted as station hospitals.			
								Letter No. 3109, dated 22nd July 1892. From P. M. O., H. M.'s Forces, to the D. G. of M. W.	The station hospital system was extended to the Madras and Bombay Presidencies in 1882.			
		(*a*) PRIMARY BUILDINGS	...	...	...	...	...	...	NOTE.—Proceedings of a Special Committee assembled in Simla on 7th June 1887, and Government of India, Military Department letter No. 1562M. W., dated 1st August 1887. Fire-places are to be supplied instead of stoves; iron stove pipes may be used above the chimney breast, if considered suitable by the Director General of Military Works.				
									See remarks against item 293, relative to the selection of sites for buildings in the hills.			
	656	HOSPITAL FOR MEN	...	...	...	...	...	...	The remarks made against item 627 are *generally* applicable to station hospitals in the hills and in hutted camps.			
								Para. 711 of I. A. Regs., Vol. VI.	Accommodation, equipment, and supplies for station hospitals of British troops will be allowed at the rate of 12 per cent on the authorised strength of the garrison at the stations mentioned below, and 10 per cent. at all other stations, excepting at Deolali, where special arrangements are made:— Agra. Ahmedabad. Ahmednagar Bombay. Calcutta. Cherat. Delhi. Fort Lahore. Hill *Depôts*. Karachi. Kirki. Meean Meer. Meerut. Mhow. Mount Abu. Neemuch. Nowshera. Nusseerabad. Peshawar. Poona. Poonamallee. Purandhar. Quetta. Ramandrug. Satara. Wellington.			

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
		(*a*) PRIMARY BUILDINGS —*contd.*	Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
Station Hospitals—British—in the Hills and in Hutted Camps—*contd.*	656	HOSPITAL FOR MEN——*contd.*						Proceedings of a Special Committee assembled at Simla on 7th June 1887, M. D. letter No. 1562 M. W., dated 1st August 1887.	The hill hut type of construction is considered suitable. The accommodation is to be allotted by bays in accordance with the sanctioned *superficial* area. A verandah is to be given at the back as well as one in front.			
		Hospital for 20 beds—										
		1 ward for 10 beds	51	20	10	102						
		1 „ for 6 „	$30\frac{2}{3}$	20	10	102·2						
		2 wards, each for 2 beds, each ward	12	20	10	120						
		1 attendants' room	12	20	10	...						
		1 day room	12	20	10	12	6,805	.....	.....	...	2	Hutted Camps.
		A lavatory ($8\frac{5}{8}$′ wide) with 2 ablution rooms and a stand for 4 basins at each end of the building, under end verandah roof.										
								P. W. D. Circular No. 19 of 1866.	Authorises minimum area of 102 superficial feet per bed.			
	657	HOSPITAL FOR SOLDIERS' FAMILIES	...	...	...	...	...	.....	The remarks made against item 628 are *generally* applicable to hospitals for soldiers' wives and families in the hills and in hutted camps.			
								M. D. letter No. 2524D., dated 20th June 1889. Para. 712 of I. A. Regs., Vol. VI.	Government sanctions the adoption of the following revised scale of accommodation in hospitals for soldiers' wives and children :— 100 & under 250 troops, 1 woman & 2 children. 250 & „ 500 „ 2 women & 2 „ 500 & „ 1,000 „ 3 „ & 3 „ 1,000 & „ 1,500 „ 4 „ & 4 „ 1,500 & „ 2,000 „ 5 „ & 5 „ Over 2,000 „ 6 „ & 6 „ at *hill depôts*, 50 per cent. extra on the above scale.			

	A hospital for 10 patients—										
	1 ward for 8 beds . .	41	20	10	102·5						
	2 „ for 2 beds . .	12	20	10	120						
	1 lying-in-ward . . .	12	20	10	...						
	1 day room	12	20	10	...	4,587	.....	* This room may be divided into two, by a longitudinal partition wall, if considered desirable.	...	2	Hutted Camps.
	Quarters for a matron, 1 room, 1 bath room (in back verandah)	20* 6	12 7	... ...	... ...						
	A lavatory (8½′ wide) with 3 ablution rooms and a stand for 5 basins at one end of the building, under end verandah roof.										
658	HOSPITALS FOR OFFICERS . .	...	...	...	...	...	.....	See item 629.			
								No scale of accommodation has been laid down. For one or two officers a ward 12′ × 20′ and for three to four officers a ward 24′ × 20′ (or wards similar in size to those given for the corresponding numbers of men) should suffice. A bath-room, with a door communicating between it and the ward, should be provided in the back verandah.			
659	HOSPITALS FOR CONTAGIOUS DISEASES.	...	...	...	...	...	.....	See item 630.			
							P. W. D. Circular No. 25 of 1879.	As regards the provision of separate accommodation for the treatment of contagious diseases at hill depôt, Government say that as the Principal Medical Officer, Her Majesty's Forces, admits that no ill consequences have resulted at hill depôts from the want of such special accommodation, and as sufficient grounds have not been shewn for the expenditure of money in the manner proposed, the Government of India consider that there is no need for any general sanction to classing these depôts, as respects accommodation for contagious cases, with the hospitals of regiments of British Cavalry and Infantry.			
660	HOSPITALS FOR FOLLOWERS OF BRITISH TROOPS.	...	...	...	...	...	.....	See item 631.			
								The revised standard plan of hospital for a regiment of Native Infantry in the hills should be followed (see item 616).			
661	QUARTERS FOR LADY NURSES .	...	...	...	...	...	.....	See item 632.			
								No scale has been laid down for the hills or for hutted camps. The scale of accommodation authorised for Quetta (see item 632) should suffice.			

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
		(*a*) PRIMARY BUILDINGS—*contd.*	Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
	662	QUARTERS FOR COMMISSIONED AND WARRANT OFFICERS OF THE SUBORDINATE MEDICAL DEPARTMENT.	...	...	...	...	...	.....	See item 633.			
		i.—For a Senior Assistant Surgeon, 1st grade—							Para. 177 of I. A. Regulations, Vol. XII, allows :— *i.—For a Senior Assistant Surgeon, 1st grade.*			
		1 room	21¼	11	10	674	1,731	.....	1 main room . . 16′ × 12′ = 192 s. ft. 2 „ rooms, each . 14′ × 12′ = 336 „ 1 verandah room . . 14′ × 10′ = 140 „ Portion of verandah room to be arranged for bathing purposes The above gives 668 s. ft. of floor space, *including* a bath-room. Five and a half bays of the hill hut type of construction will give 674 s. ft. of floor space, *exclusive* of bath-rooms. The 674 s. ft. of floor space may be divided into rooms as considered most convenient.			
		2 rooms, each	11	11	10							
		2 „ „	11	9	10							
		2 bath rooms (added on to the back), each	6	7	Average 9	...						
		Both long walls to be placed outside of uprights.										
		ii.—For a Senior Assistant Surgeon, 2nd grade—							*ii.—For a Senior Assistant Surgeon, 2nd grade.*			
		1 room	21¼	15	10	559	1,374	.....	1 main room . . . 16′ × 12′ = 192 s. ft. 1 „ „ . . . 14′ × 12′ = 168 „ 1 verandah room . . 14′ × 10′ = 140 „ Portion of verandah room to be arranged for bathing purposes. The above gives 500 s. ft. of floor space, *including* a bath-room. Four and a half bays of the hill hut type of construction will give 559 s. ft. of floor space, *exclusive* of bath rooms. The 559 s ft. of floor space may be divided into rooms as may be considered most convenient.			
		1 „	12	11	10							
		1 „	12	9	10							
		1 bath-room (added on to the back)	6	7	Average 9	...						
		iii—For an Assistant Surgeon, 1st class—							*iii.—For an Assistant Surgeon, 1st class.*			
		2 rooms, each	20*	12	10	480	1,048	.....	1 main room . . . 16′ × 12′ = 192 s. ft. 1 „ „ . . . 14′ × 12′ = 168 „ 1 verandah room . . 15′ × 8′ = 120 „ Portion of verandah room to be arranged for bathing purposes. The above gives 480 s. ft. of floor space, *including* a bath-room. A quarter as allowed to a Regimental Sergeant-Major (see item 296) will suffice for an apothecary, such a quarter will give the apothecary 480 s. ft. of floor space, *exclusive* of a bath-room.			
		1 bath-room (added on to the back).	6	7	Average 9	...						
									* If considered desirable, these rooms may be divided into two by a longitudinal partition wall.			

	iv.—For an Assistant Surgeon, 2nd class—							*iv.—For an Assistant Surgeon, 2nd class.*				
								1 main room . . . 16′ × 12′ = 192 s. ft.				
								1 verandah room . . 16′ × 10′ = 160 ,,				
								1 ,, ,, . . 12′ × 10′ = 120 ,,				
								Portion of a verandah room to be arranged for bathing purposes.				
								The above gives 472 s. ft. of floor space, *including* a bath-room.				
	Same as for an Apothecary .	...	...	...	...	1,048	.....	An apothecary, it will be seen, is entitled to 480 s. ft. including a bath-room.				
								The quarters for an assistant apothecary may be of the same size as that for an apothecary.				
	v.—For a Sub-Assistant Surgeon—						P. W. D. Circular No. 27 of 1875.	*v.—For a Sub-Assistant Surgeon.*				
								1 main room . . . 16′ × 14′ = 224 s. ft.				
								1 verandah room . . 14′ × 12′ = 168 ,,				
	1 room	20*	18	10 Average	360	575	.....	Portion of verandah room to be arranged for bathing purposes.				
								The above gives 392 s. ft. of floor space, *including* bath-room.				
	1 bath-room (added on to the back).	6	7	9	...			A quarter, as allowed for a class B Sergeant (see item 295), giving 360 s. ft. of floor space, *exclusive* of a bath-room, should be given.				
								* If considered desirable, this room may be divided into two by a longitudinal partition wall.				
663	QUARTERS FOR HOSPITAL ASSISTANTS.	...	...	...	...	...	.....	See item 634.				
	Quarters for a Hospital Assistant—											
	1 room	16	12	10	...	535, exclusive of court-yard.	.....	.....	...	11	N. I.	
	1 bath-room	8	6	8	...							
	1 verandah	16	6	8	...							
	An *open* "Zenana" court-yard .	32	16	8	...			To be the same as authorised for the plains, the height of the main room being reduced to 10′. If the site will not admit of its convenient provision the court-yard may be omitted.				
664	QUARTERS FOR HOSPITAL SERVANTS—	...	...	...	...	...	.....	See item 635, as regards strength to be provided for, etc.				
	i.—Each married man . .	10	9	8	90	...	M. D. letter No. 411 M. W., dated 1st May 1885.	One-third of the men are to be provided for as married and the remainder as single men. In the hills and in hutted camps the areas to be given are :—				
							.....	Each single man . . . . 45 s. ft.				
	ii.—Each single man . .	10	4½	8	45	...		Each married man . . . . 90 ,,				
								The height of the walls to be 8′.				
							D. G.'s Circular No. 3 of 25th March 1886.	The quarters for single men are to be divided into rooms of various sizes, to suit the different castes of the members of the establishment.				

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
			Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
		(*a*) PRIMARY BUILDINGS—*concld.*						M. D. letter No. 900 M. W., dated 19th September 1883.	In the case of buildings not intended for occupation during the winter, Government do not consider it necessary to provide planking under the sheet iron roof coverings of servants' quarters, and similar subsidiary buildings at hill stations. (This ruling refers to *corrugated* iron, in the case of *non-corrugated* sheets, some planking would be necessary in order to support the sheets.)			
	665	QUARTERS FOR HOSPITAL STORE-KEEPERS.	...	...	...	...	...	.....	See item 636.			
		Quarters for a Hospital Store-keeper—										
		1 room	16	12	10	...	535, exclusive of court-yard.	.....	.....	...	11	N. I.
		1 bath-room	8	6	8 3/8	...						
		1 verandah	16	6	8 3/8	...			To be the same as authorised for the plains, the height of the main room being reduced to 10′. If the site will not admit of its convenient provision, the court-yard may be omitted.			
		An *open* "Zenana" court-yard	32	16	8	...						
		(*b*) AUXILIARY BUILDINGS	...	...	...	...	...	.....	NOTE.—Fire-places are to be supplied instead of stoves; iron stove pipes may be used above the chimney breast, if considered suitable by the Director General of Military Works.			
	666	BLOCK OF ADMINISTRATIVE OFFICES	...	...	...	...	...	.....	See item 637.			
		Block for a hospital of 124 beds, containing—										
		1 room for Medical Warrant Officer on duty	14½	20	10	...	4,237	P. W. D. letter No. 894 M. W., dated 7th November 1881.	Government approve the type plan	...	5	Hospital.
		1 Surgery	14½	20	10	...						
		1 Medical Store	10	20	10	...						
		1 Receiving room	14½	20	10	...						
		1 Office	14½	20	10	...						
		1 Office for Hospital Store-keeper	14	20	10	...			Height of rooms to be reduced to 10 feet in the hills and in hutted camps.			

667	BLOCK PLAN SHOWING POSITION OF HOSPITAL BUILDINGS.	...	...	...	...	...	M. D. letter No. 643 M. W., dated 4th May 1886.	Government approve the type plan . . .	...	19	Hospital.
668	COWSHEDS OR PLATFORMS . .	...	...	...	...	...	.....	See item 639.			
669	ENCLOSURE WALL OR FENCE— .	...	...	...	...	...	.....	See item 640. A fence or enclosure wall is not usually considered necessary in the Hills.			
	i.—For the hospital.										
	ii.—For the Lady Nurses' quarters.										
670	GUARD-ROOM	...	...	...	...	...	.....	See item 641.			
	Guard-room for 1 Corporal and 6 Rank and File—										
	1 room	24	20	10	...	880	.....	A small lavatory to be given by enclosing a portion of the verandah (see item 641).			
	with a 9′ wide verandah in front of the buildings.	...	...	...	...						
671	LAMP-ROOMS—	...	...	...	...	...	.....	See item 642.			
								Fixed shelves should be provided.			
	For a hospital of 20 beds—										
	1 room	15⅓	12	10	...	267	.....	See remark against item 664 as regards flanking under sheet iron roofs			
	Passage	10	5	7	...	85					
672	LAUNDRY.	...	...	...	...	...	.....	See item 643.			
	Type plan— 1 room	30	15	11½	...	620	.....		...	9	Hospital.
								See remark against item 664 as regards flanking under sheet iron roofs.			
673	MORTUARY.	...	...	...	...	...	.....	See item 644.			
	Type plan— 1 room.	18	12	15¼	...	...	.....	.....	...	7	Hospital.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
			Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
Station Hospitals—British—in the Hills and in Hutted Camps—*contd.*		(*b*) AUXILIARY BUILDINGS—*contd.*										
	674	SHED FOR AMBULANCE CARTS AND HEARSE.	...	...	...	...	...	.....	See item 645.			
									Would not be required in the case of the generality of stations in the hills.			
	675½	SHED FOR HORSES AND CONVEYANCES OF MEDICAL OFFICERS.	...	...	...	...	...	.....	See item 645½.			
	675	SHED OR BOILER FOR DISINFECTING CLOTHING AND BEDDING.	...	...	...	...	...	.....	See item 646.			
	676	HOSPITAL STORE-KEEPER'S STORE	...	...	...	...	...	.....	See item 647.			
									Same space to be given as authorised for the plains, the type hut style of construction being adopted.	...	5 / 5 A.	Hospital.
	677	WELLS OR WATER-SUPPLY . .	...	...	...	...	...	.....	See remarks against item 42.			
									To be provided according to requirements.			
		(*c*) SUBSIDIARY BUILDINGS .	...	...	...	...	...	M. D. letter No. 900 M. W., dated 9th August 1883.	See the case of buildings not intended for occupation during the winter. Government do not consider it necessary to provide planking under the sheet iron roof coverings of servants' quarters and similar subsidiary buildings at hill stations. (This remark would not apply to *non-corrugated* sheets, where a certain quantity of planking would be required to support the sheets.)			
	678	COACH-HOUSES	...	...	...	...	...	.....	See item 649.			
									Would not be required in the hills as a rule.			

679	COOK-HOUSES	...	...	...	...	...	.....	See remarks against item 43.				
	i.—For the Hospitals for Officers, Men and Soldiers' families.	...	...	...	...	...	.....	See item 650, i.				
	Type plan of a cook-house for a hospital of 124 beds.											
	1 Kitchen	23½	16	8	...	831	.....	As per type plan, the heights being reduced as shown.	...	10	Hospital.	
	1 Scullery	16	8	8	...							
	1 Cooking-chamber . .	16	5	18	...							
								In the hills, where the hospital blocks will, as a rule, be scattered at some distance from each other, it will probably be found necessary to build two or more small cook-houses instead of one large one.				
	ii.—For Hospitals for Followers.	...	...	...	...	...	.....	See item 650, ii.				
	iii.—For Lady Nurses . .	...	...	...	...	...	.....	See item 650, iii.				
	1 Kitchen	10	12	8	...	310	.....					
	1 Cooking-chamber . .	5	12	18	...							
	iv.—For Commissioned and Warrant Officers of the Subordinate Medical Department.	...	...	...	...	...	.....	See item 650, iv.				
	Type plan of cook-house for 4 men—											
				Average								
	4 Kitchens, each . . .	7 2/3	6	10	...	640	.....	As per type plan, the heights being reduced as shown.	...	13	Hospital.	
	4 Cooking-places, each . .	7 2/3	1½	18	...							
680	LATRINES	...	...	...	...	...	.....	See item 46.				
	i.—For Hospitals for Men— .	...	...	...	...	...	.....	See item 651, i.				
	Latrine of 4 seats for a hospital for 20 patients . . .	14	8 5/6	7	...	216	.....	Width and length of latrine to be reduced as shown	...	1A to 1F	Hospital.	
	Passage	10	5	7	...	85						

Accommodation authorised for Station Hospitals—British—in the Hills and in Hutted Camps—continued.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
		(*c*) SUBSIDIARY BUILDINGS—*contd.*	Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
	680	LATRINES—*contd.*										
		ii.—For Hospitals for Soldiers' families—	...	..	...	...	...	.....	See item 651, ii.			
		Latrine of 3 seats for a hospital for 10 patients.	$11\frac{2}{3}$	$8\frac{5}{6}$	7	...	187	.....	Width and breadth of latrine to be reduced as shown	...	3 & 4	Hospital.
		Passage	10	5	7	...	85					
		iii.—For Hospitals for Officers .	...	...	...	...	...	.....	See item 658; the bath-room will answer the purpose.			
		iv.—For Hospitals for Contagious Diseases.	...	...	...	...	...	.....	See item 630; the bath-rooms will answer the purpose.			
		v.—For Hospitals for Followers .	...	...	...	...	...	.....	See item 651, v.			
		vi.—For Commissioned and Warrant Officers of the Subordinate Medical Department.	...	...	...	...	...	.....	See item 651, vi.			
		Latrine of 4 seats for 4 men .	$10\frac{2}{3}$	$8\frac{5}{6}$	7	...	175	.....	Width and length to be reduced as shown .	...	13	Hospital.
		vii.—For Hospital Assistants .	...	...	...	...	...	.....	See item 651, vii.			
		viii.—For Hospital Servants .	...	...	...	...	...	.....	See item 651, viii.			
		ix.—For Hospital Store-keepers .	...	...	...	...	...	.....	See item 651, ix.			
		x.—For the Hospital Guard-room.	...	...	...	...	...	.....	Not authorised.			

681	LAVATORIES—	...	...	...	...	...	...	See item 45.
	i.—For Hospitals for Men .	...	...	...	...	Included in that of the hospital.	...	See item 652, i, width of lavatories in end verandahs to be 8½′ in the hills and in hutted camps.
	ii.—For Hospitals for Soldiers' wives and children.	...	...	...	...	Ditto .	...	See item 652, ii, do. do. do. do.
	iii.—For Hospitals for Officers .	...	...	...	...	...	...	See item 658; the bath-room will answer the purpose.
	iv.—For Hospitals for Contagious Diseases.	...	...	...	...	...	...	See item 630; the bath-rooms will answer the purpose.
	v.—For Hospitals for Followers	...	...	...	...	...	...	See item 652, v.
	vi.—For the Hospital Guard-room.	...	...	...	...	...	...	See tem 670; a small lavatory is to be provided in the verandah.
682	QUARTERS FOR SERVANTS (OTHER THAN HOSPITAL SERVANTS)—							
	i.—For Servants of Lady Nurses	...	...	...	...	...	M. D. letter No. 1876 M. W., dated 28th July 1891.	Two quarters, each 10′ × 8′, are authorised for each lady.
	Each quarter . .	10	8	8	...	...	D. G.'s Circular No. 11B. of 1891.	In the hills and in hutted camps the height can be reduced to 8′ as in the case of hospital servants.
	ii.—For Servants of Commissioned and Warrant Officers of the Subordinate Medical Department.	...	...	...	...	...	...	For scale, etc., see item 653, ii.
	Each quarter . .	10	10	8	...	...	...	In the hills and in hutted camps the height can be reduced to 8′ as in the case of hospital servants.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
			Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
Station Hospitals—British—in the Hills and in Hutted Camps—*concld.*		(*c*) SUBSIDIARY BUILDINGS—*concld.*										
	683	STALLS—										
		i.—For Lady Nurses—										
		Each stall . . .	12	8	Average $11\frac{1}{8}$	...	...	.....	See item 654, i.			
									One for each lady.			
		ii.—For Commissioned and Warrant Officers of the Subordinate Medical Department—										
		Each stall . . .	12	8	Average $11\frac{1}{8}$	...	...	.....	See item 654, ii.			
									One for each Commissioned and Warrant Officer of the Subordinate Medical Department, excepting Sub-Assistant Apothecaries.			
	684	URINARIES—	...	...	...	...	...	.....	See item 47.			
		i.—For Hospitals for Men—										
		1 of 4 compartments . .	...	...	...	...	66	M. D. Circular No. 7 M. W., dated 4th December 1882.	Government authorise the provision of urinaries for Station Hospitals on the scale of "one for each hospital, with four compartments." The four compartments may be given in one or more blocks as may be found convenient.			

G. I. C. P. O.—No. 3 D. G. M. W.—15-6-96.—R. R. C.

PART VI.

Accommodation authorised for Station Hospitals—British—in the Hills and in Hutted Camps.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.		Standard plan.	Type plan.	
								Authority.	Particulars.			
			Feet.	Feet.	Feet.	Supl. ft	Supl. ft.			No.	No.	Series.
Station Hospitals—British—in the Hills and in Hutted Camp.								Clause 147 of I. A. Circulars for 1881.	All hospitals for British troops in the Bengal Presidency shall, in future, be organised and conducted as station hospitals.			
								Letter No. 3109, dated 22nd July 1892. From P. M. O., H. M.'s Forces, to the D. G. of M. W.	The station hospital system was extended to the Madras and Bombay Presidencies in 1882.			
		(*a*) PRIMARY BUILDINGS	...	...	...	...	...	...	NOTE.—Proceedings of a Special Committee assembled in Simla on 7th June 1887, and Government of India, Military Department letter No. 1562M. W., dated 1st August 1887. Fire-places are to be supplied instead of stoves; iron stove pipes may be used above the chimney breast, if considered suitable by the Director General of Military Works.				
									See remarks against item 203, relative to the selection of sites for buildings in the hills.			
	656	HOSPITAL FOR MEN	...	...	...	...	...	...	The remarks made against item 627 are *generally* applicable to station hospitals in the hills and in hutted camps.			
								Para. 711 of I. A. Regs., Vol. VI.	Accommodation, equipment, and supplies for station hospitals of British troops will be allowed at the rate of 12 per cent on the authorised strength of the garrison at the stations mentioned below, and 10 per cent. at all other stations, excepting at Deolali, where special arrangements are made:— Agra. Ahmedabad. Ahmednagar Bombay. Calcutta. Cherat. Delhi. Fort Lahore. Hill *Depôts*. Karachi. Kirki. Meean Meer. Meerut. Mhow. Mount Abu. Neemuch. Nowshera. Nusseerabad. Peshawar. Poona. Poonamallee. Purandhar. Quetta. Ramandrug. Satara. Wellington.			

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Accommodation authorised for Station Hospital—British—in the Hills and in Hutted Camps—continued.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.					
								Authority.	Particulars.	Standard plan.	Type plan.		
		(*a*) PRIMARY BUILDINGS —*contd.*	Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.	
	656	HOSPITAL FOR MEN——*contd.*						Proceedings of a Special Committee assembled at Simla on 7th June 1887, M. D. letter No. 1562 M. W., dated 1st August 1887.	The hill hut type of construction is considered suitable. The accommodation is to be allotted by bays in accordance with the sanctioned *superficial* area. A verandah is to be given at the back as well as one in front.				
		Hospital for 20 beds—											
		1 ward for 10 beds . .	51	20	10	102							
		1 „ for 6 „ . . .	30 5/6	20	10	102·2							
		2 wards, each for 2 beds, each ward	12	20	10	120							
		1 attendants' room . .	12	20	10	...							
		1 day room	12	20	10	12	6,805	.....	.....	...	2	Hutted Camps.	
		A lavatory (8 5/6′ wide) with 2 ablution rooms and a stand for 4 basins at each end of the building, under end verandah roof.											
								P. W. D. Circular No. 19 of 1866.	Authorises minimum area of 102 superficial feet per bed.				
	657	HOSPITAL FOR SOLDIERS' FAMILIES	...	...	...	...	...	.....	The remarks made against item 628 are *generally* applicable to hospitals for soldiers' wives and families in the hills and in hutted camps.				
								M. D. letter No. 2524D., dated 20th June 1889. Para. 712 of I. A. Regs., Vol. VI.	Government sanctions the adoption of the following revised scale of accommodation in hospitals for soldiers' wives and children :— 100 & under 250 troops, 1 woman & 2 children. 250 & „ 500 „ 2 women & 2 „ 500 & „ 1,000 „ 3 „ & 3 „ 1,000 & „ 1,500 „ 4 „ & 4 „ 1,500 & „ 2,000 „ 5 „ & 5 „ Over 2,000 „ 6 „ & 6 „ at *hill depôts*, 50 per cent. extra on the above scale				

	A hospital for 10 patients—										
	1 ward for 8 beds . .	41	20	10	102·5						
	2 „ for 2 beds . .	12	20	10	120						
	1 lying-in-ward . . .	12	20	10	...						
	1 day room	12	20	10	...	4,587	.....	* This room may be divided into two, by a longitudinal partition wall, if considered desirable.	...	2	Hutted Camps.
	Quarters for a matron, 1 room, 1 bath room (in back verandah)	20* 6	12 7	... ...	... ...						
	A lavatory (8½′ wide) with 3 ablution rooms and a stand for 5 basins at one end of the building, under end verandah roof.										
658	HOSPITALS FOR OFFICERS . .	...	...	...	...	...	.....	See item 629.			
								No scale of accommodation has been laid down. For one or two officers a ward 12′ × 20′ and for three to four officers a ward 24′ × 20′ (or wards similar in size to those given for the corresponding numbers of men) should suffice. A bath-room, with a door communicating between it and the ward, should be provided in the back verandah.			
659	HOSPITALS FOR CONTAGIOUS DISEASES.	...	...	...	...	...	.....	See item 630.			
							P. W. D. Circular No. 25 of 1879.	As regards the provision of separate accommodation for the treatment of contagious diseases at hill depôt, Government say that as the Principal Medical Officer, Her Majesty's Forces, admits that no ill consequences have resulted at hill depôts from the want of such special accommodation, and as sufficient grounds have not been shewn for the expenditure of money in the manner proposed, the Government of India consider that there is no need for any general sanction to classing these depôts, as respects accommodation for contagious cases, with the hospitals of regiments of British Cavalry and Infantry.			
660	HOSPITALS FOR FOLLOWERS OF BRITISH TROOPS.	...	...	...	...	...	.....	See item 631.			
								The revised standard plan of hospital for a regiment of Native Infantry in the hills should be followed (see item 616).			
661	QUARTERS FOR LADY NURSES .	...	...	...	...	...	.....	See item 632.			
								No scale has been laid down for the hills or for hutted camps. The scale of accommodation authorised for Quetta (see item 632) should suffice.			

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
		(*a*) PRIMARY BUILDINGS—*contd.*	Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
	662	QUARTERS FOR COMMISSIONED AND WARRANT OFFICERS OF THE SUBORDINATE MEDICAL DEPARTMENT.	...	...	...	...	...	.....	See item 633.			
		i.—For a Senior Assistant Surgeon, 1st grade—							Para. 177 of I. A. Regulations, Vol. XII, allows :— *i.—For a Senior Assistant Surgeon, 1st grade.*			
		1 room	21¼	11	10	674	1,731	.....	1 main room . . 16′ × 12′ = 192 s. ft. 2 „ rooms, each . 14′ × 12′ = 336 „ 1 verandah room . . 14′ × 10′ = 140 „ Portion of verandah room to be arranged for bathing purposes The above gives 668 s. ft. of floor space, *including* a bath-room. Five and a half bays of the hill hut type of construction will give 674 s. ft. of floor space, *exclusive* of bath-rooms. The 674 s. ft. of floor space may be divided into rooms as considered most convenient.			
		2 rooms, each	11	11	10							
		2 „ „	11	9	10							
		2 bath rooms (added on to the back), each	6	7	Average 9	...						
		Both long walls to be placed outside of uprights.										
		ii.—For a Senior Assistant Surgeon, 2nd grade—							*ii.—For a Senior Assistant Surgeon, 2nd grade.*			
		1 room	21¼	15	10	559	1,374	.....	1 main room . . . 16′ × 12′ = 192 s. ft. 1 „ „ . . . 14′ × 12′ = 168 „ 1 verandah room . . 14′ × 10′ = 140 „ Portion of verandah room to be arranged for bathing purposes. The above gives 500 s. ft. of floor space, *including* a bath-room. Four and a half bays of the hill hut type of construction will give 559 s. ft. of floor space, *exclusive* of bath rooms. The 559 s ft. of floor space may be divided into rooms as may be considered most convenient.			
		1 „	12	11	10							
		1 „	12	9	10							
		1 bath-room (added on to the back)	6	7	Average 9	...						
		iii—For an Assistant Surgeon, 1st class—							*iii.—For an Assistant Surgeon, 1st class.*			
		2 rooms, each	20*	12	10	480	1,048	.....	1 main room . . . 16′ × 12′ = 192 s. ft. 1 „ „ . . . 14′ × 12′ = 168 „ 1 verandah room . . 15′ × 8′ = 120 „ Portion of verandah room to be arranged for bathing purposes. The above gives 480 s. ft. of floor space, *including* a bath-room. A quarter as allowed to a Regimental Sergeant-Major (see item 296) will suffice for an apothecary, such a quarter will give the apothecary 480 s. ft. of floor space, *exclusive* of a bath-room.			
		1 bath-room (added on to the back).	6	7	Average 9	...						

* If considered desirable, these rooms may be divided into two by a longitudinal partition wall.

	iv.—For an Assistant Surgeon, 2nd class—							*iv.—For an Assistant Surgeon, 2nd class.*				
								1 main room . . . 16′ × 12′ = 192 s. ft.				
								1 verandah room . . 16′ × 10′ = 160 ,,				
								1 ,, ,, . . 12′ × 10′ = 120 ,,				
								Portion of a verandah room to be arranged for bathing purposes.				
								The above gives 472 s. ft. of floor space, *including* a bath-room.				
	Same as for an Apothecary .	...	...	...	...	1,048	.....	An apothecary, it will be seen, is entitled to 480 s. ft. including a bath-room.				
								The quarters for an assistant apothecary may be of the same size as that for an apothecary.				
	v.—For a Sub-Assistant Surgeon—						P. W. D. Circular No. 27 of 1875.	*v.—For a Sub-Assistant Surgeon.*				
								1 main room . . . 16′ × 14′ = 224 s. ft.				
								1 verandah room . . 14′ × 12′ = 168 ,,				
	1 room	20*	18	10	360	} 575	.....	Portion of verandah room to be arranged for bathing purposes.				
				Average				The above gives 392 s. ft. of floor space, *including* bath-room.				
	1 bath-room (added on to the back).	6	7	9	...			A quarter, as allowed for a class B Sergeant (see item 295), giving 360 s. ft. of floor space, *exclusive* of a bath-room, should be given.				
								* If considered desirable, this room may be divided into two by a longitudinal partition wall.				
663	QUARTERS FOR HOSPITAL ASSISTANTS.	...	...	...	...	...	.....	See item 634.				
	Quarters for a Hospital Assistant—											
	1 room	16	12	10	...	} 535, exclusive of court-yard.	.....	.....	...	11	N. I.	
	1 bath-room	8	6	8	...							
	1 verandah	16	6	8	...							
	An *open* "Zenana" court-yard .	32	16	8	...							
								To be the same as authorised for the plains, the height of the main room being reduced to 10′.				
								If the site will not admit of its convenient provision the court-yard may be omitted.				
664	QUARTERS FOR HOSPITAL SERVANTS—	...	...	...	...	...	.....	See item 635, as regards strength to be provided for, etc.				
	i.—Each married man . .	10	9	8	90	...	M. D. letter No. 411 M. W., dated 1st May 1885.	One-third of the men are to be provided for as married and the remainder as single men. In the hills and in hutted camps the areas to be given are :—				
							.....	Each single man . . . . 45 s. ft.				
								Each married man . . . 90 ,,				
								The height of the walls to be 8′.				
	ii.—Each single man . .	10	4½	8	45	...	D. G.'s Circular No. 3 of 25th March 1886.	The quarters for single men are to be divided into rooms of various sizes, to suit the different castes of the members of the establishment.				

Accommodation authorised for Station Hospitals—British—in the Hills and in Hutted Camps—continued.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
			Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
		(*a*) PRIMARY BUILDINGS—*concld.*						M. D. letter No. 900 M. W., dated 19th September 1883.	In the case of buildings not intended for occupation during the winter, Government do not consider it necessary to provide planking under the sheet iron roof coverings of servants' quarters, and similar subsidiary buildings at hill stations. (This ruling refers to *corrugated* iron, in the case of *non-corrugated* sheets, some planking would be necessary in order to support the sheets.)			
665		QUARTERS FOR HOSPITAL STORE-KEEPERS.	...	...	...	...	...	.....	See item 636.			
		Quarters for a Hospital Store-keeper—										
		1 room	16	12	10	...	535, exclusive of court-yard.	.....	.....	...	11	N. I.
		1 bath-room	8	6	8	...			To be the same as authorised for the plains, the height of the main room being reduced to 10'. If the site will not admit of its convenient provision, the court-yard may be omitted.			
		1 verandah	16	6	8	...						
		An *open* "Zenana" court-yard	32	16	8	...						
		(*b*) AUXILIARY BUILDINGS	...	...	...	...	...	.....	NOTE.—Fire-places are to be supplied instead of stoves; iron stove pipes may be used above the chimney breast, if considered suitable by the Director General of Military Works.			
666		BLOCK OF ADMINISTRATIVE OFFICES	...	...	...	...	...	.....	See item 637.			
		Block for a hospital of 124 beds, containing—										
		1 room for Medical Warrant Officer on duty	14½	20	10	...	4,237	P. W. D. letter No. 894 M. W., dated 7th November 1881.	Government approve the type plan	...	5	Hospital.
		1 Surgery	14½	20	10	...						
		1 Medical Store	10	20	10	...						
		1 Receiving room	14½	20	10	...						
		1 Office	14½	20	10	...						
		1 Office for Hospital Store-keeper	14	20	10	...			Height of rooms to be reduced to 10 feet in the hills and in hutted camps.			

667	BLOCK PLAN SHOWING POSITION OF HOSPITAL BUILDINGS.	...	...	...	...	...	M. D. letter No. 643 M. W., dated 4th May 1886.	Government approve the type plan . . .	...	19	Hospital.
668	COWSHEDS OR PLATFORMS . .	...	...	...	...	...	.....	See item 639.			
669	ENCLOSURE WALL OR FENCE— .	...	...	...	...	...	.....	See item 640. A fence or enclosure wall is not usually considered necessary in the Hills.			
	i.—For the hospital.							———			
	ii.—For the Lady Nurses' quarters.										
670	GUARD-ROOM	...	...	...	...	...	.....	See item 641.			
	Guard-room for 1 Corporal and 6 Rank and File—										
	1 room	24	20	10	...	880	.....	A small lavatory to be given by enclosing a portion of the verandah (see item 641).			
	with a 9′ wide verandah in front of the buildings.	...	...	...	...			———			
671	LAMP-ROOMS—	...	...	...	...	...	.....	See item 642.			
								———			
								Fixed shelves should be provided.			
								———			
	For a hospital of 20 beds—										
	1 room	15⅓	12	10	...	267	.....	See remark against item 664 as regards flanking under sheet iron roofs			
	Passage	10	5	7	...	85		———			
672	LAUNDRY	...	...	...	...	...	.....	See item 643.			
	Type plan— 1 room	30	15	11½	...	620	.....	———	...	9	Hospital.
								See remark against item 664 as regards flanking under sheet iron roofs.			
								———			
673	MORTUARY	...	...	...	...	...	.....	See item 644.			
	Type plan— 1 room	18	12	15¼	...	...	.....	.....	...	7	Hospital.

Accommodation authorised for Station Hospitals—British—in the Hills and in Hutted Camps—continued.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
			Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
		(*b*) AUXILIARY BUILDINGS—*contd.*										
	674	SHED FOR AMBULANCE CARTS AND HEARSE.	...	...	...	...	...	.....	See item 645.			
									Would not be required in the case of the generality of stations in the hills.			
	675½	SHED FOR HORSES AND CONVEYANCES OF MEDICAL OFFICERS.	...	...	...	...	...	.....	See item 645½.			
	675	SHED OR BOILER FOR DISINFECTING CLOTHING AND BEDDING.	...	...	...	...	...	.....	See item 646.			
	676	HOSPITAL STORE-KEEPER'S STORE	...	...	...	...	...	.....	See item 647.			
									Same space to be given as authorised for the plains, the type hut style of construction being adopted.	...	5 5 A.	Hospital.
	677	WELLS OR WATER-SUPPLY . .	...	...	...	...	...	.....	See remarks against item 42.			
									To be provided according to requirements.			
		(*c*) SUBSIDIARY BUILDINGS .	...	...	...	...	...	M. D. letter No. 900 M. W., dated 9th August 1883.	See the case of buildings not intended for occupation during the winter. Government do not consider it necessary to provide planking under the sheet iron roof coverings of servants' quarters and similar subsidiary buildings at hill stations. (This remark would not apply to *non-corrugated* sheets, where a certain quantity of planking would be required to support the sheets.)			
	678	COACH-HOUSES	...	...	...	...	...	.....	See item 649.			
									Would not be required in the hills as a rule.			

679	COOK-HOUSES	...	...	...	...	...	.....	See remarks against item 43.				
	i.—For the Hospitals for Officers, Men and Soldiers' families.	...	...	...	...	...	.....	See item 650, i.				
	Type plan of a cook-house for a hospital of 124 beds.											
	1 Kitchen	23½	16	8	...	831	.....	As per type plan, the heights being reduced as shown.	...	10	Hospital.	
	1 Scullery	16	8	8	...							
	1 Cooking-chamber . .	16	5	18	...							
								In the hills, where the hospital blocks will, as a rule, be scattered at some distance from each other, it will probably be found necessary to build two or more small cook-houses instead of one large one.				
	ii.—For Hospitals for Followers.	...	...	...	...	...	.....	See item 650, ii.				
	iii.—For Lady Nurses . .	...	...	...	...	...	.....	See item 650, iii.				
	1 Kitchen	10	12	8	...	310	.....					
	1 Cooking-chamber . .	5	12	18	...							
	iv.—For Commissioned and Warrant Officers of the Subordinate Medical Department.	...	...	...	...	...	.....	See item 650, iv.				
	Type plan of cook-house for 4 men—			Average								
	4 Kitchens, each . . .	7 3/4	6	10	...	640	.....	As per type plan, the heights being reduced as shown.	...	13	Hospital.	
	4 Cooking-places, each . .	7 3/4	1½	18	...							
680	LATRINES	...	...	...	...	...	.....	See item 46.				
	i.—For Hospitals for Men— .	...	...	...	...	...	.....	See item 651, i.				
	Latrine of 4 seats for a hospital for 20 patients . . .	14	8 5/6	7	...	216	.....	Width and length of latrine to be reduced as shown	...	1A to 1F	Hospital.	
	Passage	10	5	7	...	85						

Accommodation authorised for Station Hospitals—British—in the Hills and in Hutted Camps—continued.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
		(*c*) SUBSIDIARY BUILDINGS—*contd.*	Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
	680	LATRINES—*contd.*										
		ii.—For Hospitals for Soldiers' families—	...	..	...	...	...	.....	See item 651, ii.			
		Latrine of 3 seats for a hospital for 10 patients.	$11\frac{2}{3}$	$8\frac{5}{6}$	7	...	187	.....	Width and breadth of latrine to be reduced as shown	...	3 & 4	Hospital.
		Passage	10	5	7	...	85					
		iii.—For Hospitals for Officers .	...	...	...	...	...	.....	See item 658; the bath-room will answer the purpose.			
		iv.—For Hospitals for Contagious Diseases.	...	...	...	...	...	.....	See item 630; the bath-rooms will answer the purpose.			
		v.—For Hospitals for Followers .	...	...	...	...	...	.....	See item 651, v.			
		vi.—For Commissioned and Warrant Officers of the Subordinate Medical Department.	...	...	...	...	...	.....	See item 651, vi.			
		Latrine of 4 seats for 4 men .	$10\frac{2}{3}$	$8\frac{5}{6}$	7	...	175	.....	Width and length to be reduced as shown .	...	13	Hospital.
		vii.—For Hospital Assistants .	...	...	...	...	...	.....	See item 651, vii.			
		viii.—For Hospital Servants .	..	...	...	...	...	.....	See item 651, viii.			
		ix.—For Hospital Store-keepers .	...	...	...	...	...	.....	See item 651, ix.			
		x.—For the Hospital Guard-room.	...	...	...	...	...	.....	Not authorised.			

681	LAVATORIES—	...	...	...	...	...	...	*See item 45.*
	i.—For Hospitals for Men .	...	...	...	...	Included in that of the hospital.	...	See item 652, i, width of lavatories in end verandahs to be 8½′ in the hills and in hutted camps.
	ii.—For Hospitals for Soldiers' wives and children.	...	...	...	...	Ditto .	...	See item 652, ii, do. do. do. do.
	iii.—For Hospitals for Officers .	...	...	...	...	...	...	See item 658; the bath-room will answer the purpose.
	iv.—For Hospitals for Contagious Diseases.	...	...	...	...	...	...	See item 630; the bath-rooms will answer the purpose.
	v.—For Hospitals for Followers	...	...	...	...	...	...	See item 652, v.
	vi.—For the Hospital Guard-room.	...	...	...	...	...	...	See tem 670; a small lavatory is to be provided in the verandah.
682	QUARTERS FOR SERVANTS (OTHER THAN HOSPITAL SERVANTS)—							
	i.—For Servants of Lady Nurses	...	...	...	...	...	M. D. letter No. 1876 M. W., dated 28th July 1891.	Two quarters, each 10′ × 8′, are authorised for each lady.
	Each quarter . .	10	8	8	...	...	D. G.'s Circular No. 11B. of 1891.	In the hills and in hutted camps the height can be reduced to 8′ as in the case of hospital servants.
	ii.—For Servants of Commissioned and Warrant Officers of the Subordinate Medical Department.	...	...	...	...	...	...	For scale, etc., see item 653, ii.
	Each quarter . .	10	10	8	...	...	...	In the hills and in hutted camps the height can be reduced to 8′ as in the case of hospital servants.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.					
								Authority.	Particulars.	Standard plan.	Type plan.		
			Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
Station Hospitals—British—in the Hills and in Hutted Camps—*concld.*		(*c*) SUBSIDIARY BUILDINGS—*concld.*											
	683	STALLS—											
		i.—For Lady Nurses—											
		Each stall . . .	12	8	Average $11\frac{1}{2}$	...	...	.....	See item 654, i.				
									One for each lady.				
		ii.—For Commissioned and Warrant Officers of the Subordinate Medical Department—											
		Each stall . . .	12	8	Average $11\frac{1}{2}$	...	...	.....	See item 654, ii.				
									One for each Commissioned and Warrant Officer of the Subordinate Medical Department, excepting Sub-Assistant Apothecaries.				
	684	URINARIES—	...	...	...	...	...	.....	See item 47.				
		i.—For Hospitals for Men—											
		1 of 4 compartments . .	...	...	...	...	66	M. D. Circular No. 7 M. W., dated 4th December 1882.	Government authorise the provision of urinaries for Station Hospitals on the scale of "one for each hospital, with four compartments." The four compartments may be given in one or more blocks as may be found convenient.				

G. I. C. P. O.—No. 3 D. G. M. W.—15-6-96.—E. R. C.

PART VI.

Accommodation authorised for Station Hospitals—British—in the Hills and in Hutted Camps.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.		Standard plan.	Type plan.	
								Authority.	Particulars.			
			Feet.	Feet.	Feet.	Supl. ft	Supl. ft.			No.	No.	Series.
Station Hospitals—British—in the Hills and in Hutted Camp.								Clause 147 of I. A. Circulars for 1881.	All hospitals for British troops in the Bengal Presidency shall, in future, be organised and conducted as station hospitals.			
								Letter No. 3109, dated 22nd July 1892. From P. M. O., H. M.'s Forces, to the D. G. of M. W.	The station hospital system was extended to the Madras and Bombay Presidencies in 1882.			
		(*a*) PRIMARY BUILDINGS	...	...	...	...	...	...	NOTE.—Proceedings of a Special Committee assembled in Simla on 7th June 1887, and Government of India, Military Department letter No. 1562M. W., dated 1st August 1887. Fire-places are to be supplied instead of stoves; iron stove pipes may be used above the chimney breast, if considered suitable by the Director General of Military Works.				
									See remarks against item 293, relative to the selection of sites for buildings in the hills.			
	656	HOSPITAL FOR MEN	...	...	...	...	...	...	The remarks made against item 627 are *generally* applicable to station hospitals in the hills and in hutted camps.			
								Para. 711 of I. A. Regs., Vol. VI.	Accommodation, equipment, and supplies for station hospitals of British troops will be allowed at the rate of 12 per cent on the authorised strength of the garrison at the stations mentioned below, and 10 per cent. at all other stations, excepting at Deolali, where special arrangements are made:— Agra. Ahmedabad. Ahmednagar Bombay. Calcutta. Cherat. Delhi. Fort Lahore. Hill *Depôts*. Karachi. Kirki. Meean Meer. Meerut. Mhow. Mount Abu. Neemuch. Nowshera. Nusseerabad. Peshawar. Poona. Poonamallee. Purandhar. Quetta. Ramandrug. Satara. Wellington.			

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
		(*a*) PRIMARY BUILDINGS —*contd.*	Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
	656	HOSPITAL FOR MEN——*contd.*						Proceedings of a Special Committee assembled at Simla on 7th June 1887, M. D. letter No. 1562 M. W., dated 1st August 1887.	The hill hut type of construction is considered suitable. The accommodation is to be allotted by bays in accordance with the sanctioned *superficial* area. A verandah is to be given at the back as well as one in front.			
		Hospital for 20 beds—										
		1 ward for 10 beds . .	51	20	10	102						
		1 „ for 6 „ . . .	30⅔	20	10	102·2						
		2 wards, each for 2 beds, each ward	12	20	10	120						
		1 attendants' room . .	12	20	10	...						
		1 day room	12	20	10	12	6,805	.....	.....	...	2	Hutted Camps.
		A lavatory (8⅝′ wide) with 2 ablution rooms and a stand for 4 basins at each end of the building, under end verandah roof.										
								P. W. D. Circular No. 19 of 1866.	Authorises minimum area of 102 superficial feet per bed.			
	657	HOSPITAL FOR SOLDIERS' FAMILIES	...	...	...	...	...	.....	The remarks made against item 628 are *generally* applicable to hospitals for soldiers' wives and families in the hills and in hutted camps.			
								M. D. letter No. 2524D., dated 20th June 1889. Para. 712 of I. A. Regs., Vol. VI.	Government sanctions the adoption of the following revised scale of accommodation in hospitals for soldiers' wives and children :— 100 & under 250 troops, 1 woman & 2 children. 250 & „ 500 „ 2 women & 2 „ 500 & „ 1,000 „ 3 „ & 3 „ 1,000 & „ 1,500 „ 4 „ & 4 „ 1,500 & „ 2,000 „ 5 „ & 5 „ Over 2,000 „ 6 „ & 6 „ at *hill depôts*, 50 per cent. extra on the above scale			

	A hospital for 10 patients—										
	1 ward for 8 beds . .	41	20	10	102·5						
	2 „ for 2 beds . .	12	20	10	120						
	1 lying-in-ward . . .	12	20	10	...						
	1 day room	12	20	10	...	4,587	.....	* This room may be divided into two, by a longitudinal partition wall, if considered desirable.	...	2	Hutted Camps.
	Quarters for a matron, 1 room,	20*	12	...	...						
	1 bath room (in back verandah)	6	7	...	...						
	A lavatory ($8\frac{3}{8}$′ wide) with 3 ablution rooms and a stand for 5 basins at one end of the building, under end verandah roof.										
658	HOSPITALS FOR OFFICERS . .	...	...	...	...	...	.....	See item 629.			
								No scale of accommodation has been laid down. For one or two officers a ward 12′ × 20′ and for three to four officers a ward 24′ × 20′ (or wards similar in size to those given for the corresponding numbers of men) should suffice. A bath-room, with a door communicating between it and the ward, should be provided in the back verandah.			
659	HOSPITALS FOR CONTAGIOUS DISEASES.	...	...	...	...	...	.....	See item 630.			
							P. W. D. Circular No. 25 of 1879.	As regards the provision of separate accommodation for the treatment of contagious diseases at hill depôt, Government say that as the Principal Medical Officer, Her Majesty's Forces, admits that no ill consequences have resulted at hill depôts from the want of such special accommodation, and as sufficient grounds have not been shewn for the expenditure of money in the manner proposed, the Government of India consider that there is no need for any general sanction to classing these depôts, as respects accommodation for contagious cases, with the hospitals of regiments of British Cavalry and Infantry.			
660	HOSPITALS FOR FOLLOWERS OF BRITISH TROOPS.	...	...	...	...	...	.....	See item 631.			
								The revised standard plan of hospital for a regiment of Native Infantry in the hills should be followed (see item 616).			
661	QUARTERS FOR LADY NURSES .	...	...	...	...	...	.....	See item 632.			
								No scale has been laid down for the hills or for hutted camps. The scale of accommodation authorised for Quetta (see item 632) should suffice.			

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
		(*a*) PRIMARY BUILDINGS—*contd.*	Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
	662	QUARTERS FOR COMMISSIONED AND WARRANT OFFICERS OF THE SUBORDINATE MEDICAL DEPARTMENT.	...	...	...	...	...	.....	See item 633.			
		i.—For a Senior Assistant Surgeon, 1st grade—							Para. 177 of I. A. Regulations, Vol. XII, allows :—			
		1 room	21¼	11	10	674	1,731	.....	*i.—For a Senior Assistant Surgeon, 1st grade.* 1 main room . . 16′ × 12′ = 192 s. ft. 2 „ rooms, each . 14′ × 12′ = 336 „ 1 verandah room . . 14′ × 10′ = 140 „ Portion of verandah room to be arranged for bathing purposes The above gives 668 s. ft. of floor space, *including* a bath-room. Five and a half bays of the hill hut type of construction will give 674 s. ft. of floor space, *exclusive* of bath-rooms. The 674 s. ft. of floor space may be divided into rooms as considered most convenient.			
		2 rooms, each . . .	11	11	10							
		2 „ „ . .	11	9	10							
		2 bath rooms (added on to the back), each . .	6	7	Average 9	...						
		Both long walls to be placed outside of uprights.										
		ii.—For a Senior Assistant Surgeon, 2nd grade—							*ii.—For a Senior Assistant Surgeon, 2nd grade.* 1 main room . . . 16′ × 12′ = 192 s. ft. 1 „ „ . . . 14′ × 12′ = 168 „ 1 verandah room . . 14′ × 10′ = 140 „ Portion of verandah room to be arranged for bathing purposes. The above gives 500 s. ft. of floor space, *including* a bath-room. Four and a half bays of the hill hut type of construction will give 559 s. ft. of floor space, *exclusive* of bath rooms. The 559 s ft. of floor space may be divided into rooms as may be considered most convenient.			
		1 room	21¼	15	10	559	1,374	.....				
		1 „	12	11	10							
		1 „	12	9	10							
		1 bath-room (added on to the back)	6	7	Average 9	...						
		iii—For an Assistant Surgeon, 1st class—							*iii.—For an Assistant Surgeon, 1st class.* 1 main room . . . 16′ × 12′ = 192 s. ft. 1 „ „ . . . 14′ × 12′ = 168 „ 1 verandah room . . 15′ × 8′ = 120 „ Portion of verandah room to be arranged for bathing purposes. The above gives 480 s. ft. of floor space, *including* a bath-room. A quarter as allowed to a Regimental Sergeant-Major (see item 296) will suffice for an apothecary, such a quarter will give the apothecary 480 s. ft. of floor space, *exclusive* of a bath-room.			
		2 rooms, each . . .	20*	12	10	480	1,048	.....				
		1 bath-room (added on to the back).	6	7	Average 9	...						

* If considered desirable, these rooms may be divided into two by a longitudinal partition wall.

	iv.—For an Assistant Surgeon, 2nd class—							*iv.—For an Assistant Surgeon, 2nd class.*			
	Same as for an Apothecary .	...	...	...	...	1,048	.....	1 main room . . . 16′ × 12′ = 192 s. ft. 1 verandah room . . 16′ × 10′ = 160 ,, 1 ,, ,, . . 12′ × 10′ = 120 ,, Portion of a verandah room to be arranged for bathing purposes. The above gives 472 s. ft. of floor space, *including* a bath-room. An apothecary, it will be seen, is entitled to 480 s. ft. including a bath-room. The quarters for an assistant apothecary may be of the same size as that for an apothecary.			
	v.—For a Sub-Assistant Surgeon—						P. W. D. Circular No. 27 of 1875.	*v.—For a Sub-Assistant Surgeon.*			
	1 room	20*	18	10 Average	360	575	.....	1 main room . . . 16′ × 14′ = 224 s. ft. 1 verandah room . . 14′ × 12′ = 168 ,, Portion of verandah room to be arranged for bathing purposes. The above gives 392 s. ft. of floor space, *including* bath-room. A quarter, as allowed for a class B Sergeant (see item 295), giving 360 s. ft. of floor space, *exclusive* of a bath-room, should be given.			
	1 bath-room (added on to the back).	6	7	9	...						
								* If considered desirable, this room may be divided into two by a longitudinal partition wall.			
663	QUARTERS FOR HOSPITAL ASSISTANTS.	...	...	...	...	...	.....	See item 634.			
	Quarters for a Hospital Assistant—										
	1 room	16	12	10	...	535, exclusive of court-yard.	.....	.....	...	11	N. I.
	1 bath-room	8	6	8 2/3	...						
	1 verandah	16	6	8 2/3	...						
	An *open* "Zenana" court-yard .	32	16	8	...			To be the same as authorised for the plains, the height of the main room being reduced to 10′. If the site will not admit of its convenient provision the court-yard may be omitted.			
664	QUARTERS FOR HOSPITAL SERVANTS—	...	...	...	...	...	.....	See item 635, as regards strength to be provided for, etc.			
	i.—Each married man . . .	10	9	8	90	...	M. D. letter No. 411 M. W., dated 1st May 1885.	One-third of the men are to be provided for as married and the remainder as single men. In the hills and in hutted camps the areas to be given are :— Each single man . . . . 45 s. ft. Each married man . . . 90 ,, The height of the walls to be 8′.			
	ii.—Each single man . .	10	4½	8	45	...	.....				
							D. G.'s Circular No. 3 of 25th March 1886.	The quarters for single men are to be divided into rooms of various sizes, to suit the different castes of the members of the establishment.			

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.		Standard plan.	Type plan.	
								Authority.	Particulars.			
			Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
		(*a*) PRIMARY BUILDINGS—*concld.*						M. D. letter No. 900 M. W., dated 19th September 1883.	In the case of buildings not intended for occupation during the winter, Government do not consider it necessary to provide planking under the sheet iron roof coverings of servants' quarters, and similar subsidiary buildings at hill stations. (This ruling refers to *corrugated* iron, in the case of *non-corrugated* sheets, some planking would be necessary in order to support the sheets.)				
	665	QUARTERS FOR HOSPITAL STORE-KEEPERS.	...	...	...	...	...	.....	See item 636.			
		Quarters for a Hospital Store-keeper—										
		1 room	16	12	10	...	535, exclusive of court-yard.	.....	.....	...	11	N. I.
		1 bath-room	8	6	8	...			To be the same as authorised for the plains, the height of the main room being reduced to 10'. If the site will not admit of its convenient provision, the court-yard may be omitted.			
		1 verandah	16	6	8	...						
		An *open* "Zenana" court-yard	32	16	8	...						
		(*b*) AUXILIARY BUILDINGS	...	...	...	...	...	.....	NOTE.—Fire-places are to be supplied instead of stoves; iron stove pipes may be used above the chimney breast, if considered suitable by the Director General of Military Works.			
	666	BLOCK OF ADMINISTRATIVE OFFICES	...	...	...	...	...	.....	See item 637.			
		Block for a hospital of 124 beds, containing—										
		1 room for Medical Warrant Officer on duty	14½	20	10	...	4,237	P. W. D. letter No. 894 M. W., dated 7th November 1881.	Government approve the type plan	...	5	Hospital.
		1 Surgery	14½	20	10	...						
		1 Medical Store	10	20	10	...						
		1 Receiving room	14½	20	10	...						
		1 Office	14½	20	10	...						
		1 Office for Hospital Store-keeper	14	20	10	...			Height of rooms to be reduced to 10 feet in the hills and in hutted camps.			

667	BLOCK PLAN SHOWING POSITION OF HOSPITAL BUILDINGS.	...	...	...	...	...	M. D. letter No. 643 M. W., dated 4th May 1886.	Government approve the type plan . . .	...	19	Hospital.
668	COWSHEDS OR PLATFORMS . .	...	...	...	...	...	.....	See item 639.			
669	ENCLOSURE WALL OR FENCE— .	...	...	...	...	...	.....	See item 640. A fence or enclosure wall is not usually considered necessary in the Hills.			
	i.—For the hospital.							———			
	ii.—For the Lady Nurses' quarters.							See item 641.			
670	GUARD-ROOM	...	...	...	...	...	.....				
	Guard-room for 1 Corporal and 6 Rank and File—										
	1 room	24	20	10	...	} 880	.....	A small lavatory to be given by enclosing a portion of the verandah (see item 641).			
	with a 9′ wide verandah in front of the buildings.	...	...	...	...			———			
671	LAMP-ROOMS—	...	...	...	...	...	.....	See item 642. ——— Fixed shelves should be provided.			
	For a hospital of 20 beds—										
	1 room	15⅓	12	10	...	267	.....	See remark against item 664 as regards flanking under sheet iron roofs			
	Passage	10	5	7	...	85		———			
672	LAUNDRY	...	...	...	...	...	... ...	See item 643.			
	Type plan— 1 room	30	15	11½	...	620	.....	——— See remark against item 664 as regards flanking under sheet iron roofs.	...	9	Hospital.
673	MORTUARY	...	...	...	...	...	.....	——— See item 644.			
	Type plan— 1 room	18	12	15¼	...	...	.....	.....	...	7	Hospital.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
			Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
		(*b*) AUXILIARY BUILDINGS—*contd.*										
	674	SHED FOR AMBULANCE CARTS AND HEARSE.	...	...	...	...	...	.....	See item 645.			
									Would not be required in the case of the generality of stations in the hills.			
	675½	SHED FOR HORSES AND CONVEYANCES OF MEDICAL OFFICERS.	...	...	...	...	...	.....	See item 645½.			
	675	SHED OR BOILER FOR DISINFECTING CLOTHING AND BEDDING.	...	...	...	...	...	.....	See item 646.			
	676	HOSPITAL STORE-KEEPER'S STORE	...	...	...	...	...	.....	See item 647.			
									Same space to be given as authorised for the plains, the type hut style of construction being adopted.	...	5 / 5 A.	Hospital.
	677	WELLS OR WATER-SUPPLY . .	...	...	...	...	...	.....	See remarks against item 42.			
									To be provided according to requirements.			
		(*c*) SUBSIDIARY BUILDINGS .	...	...	...	...	...	M. D. letter No. 900 M. W., dated 9th August 1883.	See the case of buildings not intended for occupation during the winter. Government do not consider it necessary to provide planking under the sheet iron roof coverings of servants' quarters and similar subsidiary buildings at hill stations. (This remark would not apply to *non-corrugated* sheets, where a certain quantity of planking would be required to support the sheets.)			
	678	COACH-HOUSES	...	...	...	...	...	.....	See item 649.			
									Would not be required in the hills as a rule.			

679	COOK-HOUSES	...	...	...	...	...	.....	See remarks against item 43.					
	i.—For the Hospitals for Officers, Men and Soldiers' families.	...	...	...	...	...	.....	See item 650, i.					
	Type plan of a cook-house for a hospital of 124 beds.												
	1 Kitchen	23½	16	8	...	} 831	.....	As per type plan, the heights being reduced as shown.	...		10	Hospital.	
	1 Scullery	16	8	8	...								
	1 Cooking-chamber . .	16	5	18	...								
								In the hills, where the hospital blocks will, as a rule, be scattered at some distance from each other, it will probably be found necessary to build two or more small cook-houses instead of one large one.					
	ii.—For Hospitals for Followers.	...	...	...	...	...	.....	See item 650, ii.					
	iii.—For Lady Nurses . .	...	...	...	...	...	.....	See item 650, iii.					
	1 Kitchen	10	12	8	...	} 310	.....						
	1 Cooking-chamber . .	5	12	18	...								
	iv.—For Commissioned and Warrant Officers of the Subordinate Medical Department.	...	...	...	...	...	.....	See item 650, iv.					
	Type plan of cook-house for 4 men—			Average									
	4 Kitchens, each . . .	7 2/3	6	10	...	} 640	.....	As per type plan, the heights being reduced as shown.	...		13	Hospital.	
	4 Cooking-places, each . .	7 2/3	1½	18	...								
680	LATRINES	...	...	...	...	...	.....	See item 46.					
	i.—For Hospitals for Men— .	...	...	...	...	...	.....	See item 651, i.					
	Latrine of 4 seats for a hospital for 20 patients . . .	14	8 5/6	7	...	216	}	Width and length of latrine to be reduced as shown	...		1A to 1F	Hospital.	
	Passage	10	5	7	...	85							

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
		(*c*) SUBSIDIARY BUILDINGS—*contd.*	Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
	680	LATRINES—*contd.*										
		ii.—For Hospitals for Soldiers' families—	...	..	...	...	...	.....	See item 651, ii.			
		Latrine of 3 seats for a hospital for 10 patients.	$11\frac{2}{3}$	$8\frac{5}{6}$	7	...	187	.....	Width and breadth of latrine to be reduced as shown	...	3 & 4	Hospital.
		Passage	10	5	7	...	85					
		iii.—For Hospitals for Officers .	...	...	...	...	...	.....	See item 658; the bath-room will answer the purpose.			
		iv.—For Hospitals for Contagious Diseases.	...	...	...	...	...	.....	See item 630; the bath-rooms will answer the purpose.			
		v.—For Hospitals for Followers .	...	...	...	...	...	.....	See item 651, v.			
		vi.—For Commissioned and Warrant Officers of the Subordinate Medical Department.	...	...	...	...	...	.....	See item 651, vi.			
		Latrine of 4 seats for 4 men .	$10\frac{2}{3}$	$8\frac{5}{6}$	7	...	175	.....	Width and length to be reduced as shown .	...	13	Hospital.
		vii.—For Hospital Assistants .	...	...	...	...	...	.....	See item 651, vii.			
		viii.—For Hospital Servants .	..	...	...	...	...	.....	See item 651, viii.			
		ix.—For Hospital Store-keepers.	...	...	...	...	...	.....	See item 651, ix.			
		x.—For the Hospital Guard-room.	...	...	...	...	...	.....	Not authorised.			

681	LAVATORIES—	...	...	...	...	...	...	See item 45.
	i.—For Hospitals for Men .	...	...	...	...	Included in that of the hospital.	...	See item 652, i, width of lavatories in end verandahs to be $8\frac{1}{2}'$ in the hills and in hutted camps.
	ii.—For Hospitals for Soldiers' wives and children.	...	...	...	...	Ditto .	...	See item 652, ii, do. do. do. do.
	iii.—For Hospitals for Officers .	...	...	...	...	...	...	See item 658; the bath-room will answer the purpose.
	iv.—For Hospitals for Contagious Diseases.	...	...	...	...	...	...	See item 630; the bath-rooms will answer the purpose.
	v.—For Hospitals for Followers	...	...	...	...	...	...	See item 652, v.
	vi.—For the Hospital Guard-room.	...	...	...	...	...	...	See tem 670; a small lavatory is to be provided in the verandah.
682	QUARTERS FOR SERVANTS (OTHER THAN HOSPITAL SERVANTS)—							
	i.—For Servants of Lady Nurses	...	...	...	...	...	M. D. letter No. 1876 M. W., dated 28th July 1891.	Two quarters, each 10′ × 8′, are authorised for each lady.
	Each quarter . .	10	8	8	...	...	D. G.'s Circular No. 11B. of 1891.	In the hills and in hutted camps the height can be reduced to 8′ as in the case of hospital servants.
	ii.—For Servants of Commissioned and Warrant Officers of the Subordinate Medical Department.	...	...	...	...	...	...	For scale, etc., see item 653, ii.
	Each quarter . .	10	10	8	...	...	...	In the hills and in hutted camps the height can be reduced to 8′ as in the case of hospital servants.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
			Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
Station Hospitals—British—in the Hills and in Hutted Camps—*concld.*		(*c*) SUBSIDIARY BUILDINGS—*concld.*										
	683	STALLS—										
		i.—For Lady Nurses—										
		Each stall . . .	12	8	Average $11\frac{1}{8}$	...	...	.....	See item 654, i.			
									One for each lady.			
		ii.—For Commissioned and Warrant Officers of the Subordinate Medical Department—										
		Each stall . . .	12	8	Average $11\frac{1}{8}$	...	...	.....	See item 654, ii.			
									One for each Commissioned and Warrant Officer of the Subordinate Medical Department, excepting Sub-Assistant Apothecaries.			
	684	URINARIES—	...	...	...	...	...	.....	See item 47.			
		i.—For Hospitals for Men—										
		1 of 4 compartments . .	...	...	...	...	66	M. D. Circular No. 7 M. W., dated 4th December 1882.	Government authorise the provision of urinaries for Station Hospitals on the scale of "one for each hospital, with four compartments." The four compartments may be given in one or more blocks as may be found convenient.			

G. I. C. P. O.—No. 3 D. G. M. W.—15-6-98.—E. R. C.

PART VI.

Accommodation authorised for Station Hospitals—British—in the Hills and in Hutted Camps.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
			Feet.	Feet.	Feet.	Supl. ft	Supl. ft.			No.	No.	Series.
Station Hospitals—British—in the Hills and in Hutted Camp.								Clause 147 of I. A. Circulars for 1881.	All hospitals for British troops in the Bengal Presidency shall, in future, be organised and conducted as station hospitals.			
								Letter No. 3109, dated 22nd July 1892. From P. M. O., H. M.'s Forces, to the D. G. of M. W.	The station hospital system was extended to the Madras and Bombay Presidencies in 1882.			
		(*a*) PRIMARY BUILDINGS	...	...	...	...	...	...	NOTE.—Proceedings of a Special Committee assembled in Simla on 7th June 1887, and Government of India, Military Department letter No. 1562M. W., dated 1st August 1887. Fire-places are to be supplied instead of stoves; iron stove pipes may be used above the chimney breast, if considered suitable by the Director General of Military Works.				
									See remarks against item 203, relative to the selection of sites for buildings in the hills.			
	656	HOSPITAL FOR MEN	...	...	...	...	...	...	The remarks made against item 627 are *generally* applicable to station hospitals in the hills and in hutted camps.			
								Para. 711 of I. A. Regs., Vol. VI.	Accommodation, equipment, and supplies for station hospitals of British troops will be allowed at the rate of 12 per cent on the authorised strength of the garrison at the stations mentioned below, and 10 per cent. at all other stations, excepting at Deolali, where special arrangements are made:— Agra. Ahmedanad. Ahmednagar Bombay. Calcutta. Cherat. Delhi. Fort Lahore. Hill *Depôts*. Karachi. Kirki. Meean Meer. Meerut. Mhow. Mount Abu. Neemuch. Nowshera. Nusseerabad. Peshawar. Poona. Poonamallee. Purandhar. Quetta. Ramandrug. Satara. Wellington.			

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.					
								Authority.	Particulars.	Standard plan.	Type plan.		
											No.	No.	Series.
		(*a*) PRIMARY BUILDINGS —*contd.*	Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.						
Station Hospitals—British—in the Hills and in Hutted Camps—*contd.*	656	HOSPITAL FOR MEN——*contd.*						Proceedings of a Special Committee assembled at Simla on 7th June 1887, M. D. letter No. 1562 M. W., dated 1st August 1887.	The hill hut type of construction is considered suitable. The accommodation is to be allotted by bays in accordance with the sanctioned *superficial* area. A verandah is to be given at the back as well as one in front.				
		Hospital for 20 beds—											
		1 ward for 10 beds	51	20	10	102							
		1 „ for 6 „ . . .	30⅔	20	10	102·2							
		2 wards, each for 2 beds, each ward	12	20	10	120							
		1 attendants' room . .	12	20	10	...							
		1 day room	12	20	10	12	6,805	.....	.....	...	2	Hutted Camps.	
		A lavatory (8⅝′ wide) with 2 ablution rooms and a stand for 4 basins at each end of the building, under end verandah roof.											
								P. W. D. Circular No. 19 of 1866.	Authorises minimum area of 102 superficial feet per bed.				
	657	HOSPITAL FOR SOLDIERS' FAMILIES	...	...	...	...	...	.....	The remarks made against item 628 are *generally* applicable to hospitals for soldiers' wives and families in the hills and in hutted camps.				
								M. D. letter No. 2524D., dated 20th June 1889. Para. 712 of I. A. Regs., Vol. VI.	Government sanctions the adoption of the following revised scale of accommodation in hospitals for soldiers' wives and children :— 100 & under 250 troops, 1 woman & 2 children. 250 & „ 500 „ 2 women & 2 „ 500 & „ 1,000 „ 3 „ & 3 „ 1,000 & „ 1,500 „ 4 „ & 4 „ 1,500 & „ 2,000 „ 5 „ & 5 „ Over 2,000 „ 6 „ & 6 „ at *hill depôts*, 50 per cent. extra on the above scale				

	A hospital for 10 patients—										
	1 ward for 8 beds . .	41	20	10	102·5						
	2 „ for 2 beds . .	12	20	10	120						
	1 lying-in-ward . . .	12	20	10	...						
	1 day room	12	20	10	...	4,587	.....	* This room may be divided into two, by a longitudinal partition wall, if considered desirable.	...	2	Hutted Camps.
	Quarters for a matron, 1 room,	20*	12	...	...						
	1 bath room (in back verandah)	6	7	...	...						
	A lavatory ($8\frac{8}{8}$′ wide) with 3 ablution rooms and a stand for 5 basins at one end of the building, under end verandah roof.										
658	HOSPITALS FOR OFFICERS . .	...	...	...	...	...	.....	See item 629.			
								No scale of accommodation has been laid down. For one or two officers a ward 12′ × 20′ and for three to four officers a ward 24′ × 20′ (or wards similar in size to those given for the corresponding numbers of men) should suffice. A bath-room, with a door communicating between it and the ward, should be provided in the back verandah.			
659	HOSPITALS FOR CONTAGIOUS DISEASES.	...	...	...	...	...	.....	See item 630.			
							P. W. D. Circular No. 25 of 1879.	As regards the provision of separate accommodation for the treatment of contagious diseases at hill depôt, Government say that as the Principal Medical Officer, Her Majesty's Forces, admits that no ill consequences have resulted at hill depôts from the want of such special accommodation, and as sufficient grounds have not been shewn for the expenditure of money in the manner proposed, the Government of India consider that there is no need for any general sanction to classing these depôts, as respects accommodation for contagious cases, with the hospitals of regiments of British Cavalry and Infantry.			
660	HOSPITALS FOR FOLLOWERS OF BRITISH TROOPS.	...	...	...	...	...	.....	See item 631.			
								The revised standard plan of hospital for a regiment of Native Infantry in the hills should be followed (see item 616).			
661	QUARTERS FOR LADY NURSES .	...	...	...	...	...	.....	See item 632.			
								No scale has been laid down for the hills or for hutted camps. The scale of accommodation authorised for Quetta (see item 632) should suffice.			

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
		(*a*) PRIMARY BUILDINGS—*contd.*	Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
	662	QUARTERS FOR COMMISSIONED AND WARRANT OFFICERS OF THE SUBORDINATE MEDICAL DEPARTMENT.	...	...	...	...	...	.....	See item 633.			
		i.—For a Senior Assistant Surgeon, 1st grade—							Para. 177 of I. A. Regulations, Vol. XII, allows :—			
		1 room	21½	11	10	674	1,731	.....	*i.—For a Senior Assistant Surgeon, 1st grade.* 1 main room . . 16′ × 12′ = 192 s. ft. 2 „ rooms, each . 14′ × 12′ = 336 „ 1 verandah room . . 14′ × 10′ = 140 „ Portion of verandah room to be arranged for bathing purposes The above gives 668 s. ft. of floor space, *including* a bath-room. Five and a half bays of the hill hut type of construction will give 674 s. ft. of floor space, *exclusive* of bath-rooms. The 674 s. ft. of floor space may be divided into rooms as considered most convenient.			
		2 „ „	11	11	10							
		2 „ „	11	9	10							
		2 bath rooms (added on to the back), each	6	7	Average 9	...						
		Both long walls to be placed outside of uprights.										
		ii.—For a Senior Assistant Surgeon, 2nd grade—							*ii.—For a Senior Assistant Surgeon, 2nd grade.* 1 main room . . . 16′ × 12′ = 192 s. ft. 1 „ „ . . . 14′ × 12′ = 168 „ 1 verandah room . . 14′ × 10′ = 140 „ Portion of verandah room to be arranged for bathing purposes. The above gives 500 s. ft. of floor space, *including* a bath-room. Four and a half bays of the hill hut type of construction will give 559 s. ft. of floor space, *exclusive* of bath rooms. The 559 s ft. of floor space may be divided into rooms as may be considered most convenient.			
		1 room	21½	15	10	559	1,374	.....				
		1 „	12	11	10							
		1 „	12	9	10							
		1 bath-room (added on to the back)	6	7	Average 9	...						
		iii—For an Assistant Surgeon, 1st class—							*iii.—For an Assistant Surgeon, 1st class.* 1 main room . . . 16′ × 12′ = 192 s. ft. 1 „ „ . . . 14′ × 12′ = 168 „ 1 verandah room . . 15′ × 8′ = 120 „ Portion of verandah room to be arranged for bathing purposes. The above gives 480 s. ft. of floor space, *including* a bath-room. A quarter as allowed to a Regimental Sergeant-Major (see item 256) will suffice for an apothecary, such a quarter will give the apothecary 480 s. ft. of floor space, *exclusive* of a bath-room.			
		2 rooms, each	20*	12	10	480	1,048	.....				
		1 bath-room (added on to the back).	6	7	Average 9	...						
									* If considered desirable, these rooms may be divided into two by a longitudinal partition wall.			

	iv.—For an Assistant Surgeon, 2nd class—							*iv.—For an Assistant Surgeon, 2nd class.*			
	Same as for an Apothecary .	...	...	...	...	1,048	.....	1 main room . . . 16′ × 12′ = 192 s. ft. 1 verandah room . . 16′ × 10′ = 160 ,, 1 ,, ,, . . 12′ × 10′ = 120 ,, Portion of a verandah room to be arranged for bathing purposes. The above gives 472 s. ft. of floor space, *including* a bath-room. An apothecary, it will be seen, is entitled to 480 s. ft. including a bath-room. The quarters for an assistant apothecary may be of the same size as that for an apothecary.			
	v.—For a Sub-Assistant Surgeon—						P. W. D. Circular No. 27 of 1875.	*v.—For a Sub-Assistant Surgeon.*			
	1 room	20*	18	10 Average	360	575	.....	1 main room . . . 16′ × 14′ = 224 s. ft. 1 verandah room . . 14′ × 12′ = 168 ,, Portion of verandah room to be arranged for bathing purposes. The above gives 392 s. ft. of floor space, *including* bath-room. A quarter, as allowed for a class B Sergeant (see item 295), giving 360 s. ft. of floor space, *exclusive* of a bath-room, should be given.			
	1 bath-room (added on to the back).	6	7	9	...						
								* If considered desirable, this room may be divided into two by a longitudinal partition wall.			
663	QUARTERS FOR HOSPITAL ASSISTANTS.	...	...	...	...	...	.....	See item 634.			
	Quarters for a Hospital Assistant—										
	1 room	16	12	10	...	535, exclusive of court-yard.	.....	.....	...	11	N. I.
	1 bath-room	8	6	8	...						
	1 verandah	16	6	8	...						
	An *open* "Zenana" court-yard .	32	16	8	...			To be the same as authorised for the plains, the height of the main room being reduced to 10′. If the site will not admit of its convenient provision the court-yard may be omitted.			
664	QUARTERS FOR HOSPITAL SERVANTS—	...	...	...	...	...	.....	See item 635, as regards strength to be provided for, etc.			
	i.—Each married man . .	10	9	8	90	...	M. D. letter No. 411 M. W., dated 1st May 1885. ..... D. G.'s Circular No. 3 of 25th March 1886.	One-third of the men are to be provided for as married and the remainder as single men. In the hills and in hutted camps the areas to be given are :— Each single man . . . . 45 s. ft. Each married man . . . 90 ,, The height of the walls to be 8′. The quarters for single men are to be divided into rooms of various sizes, to suit the different castes of the members of the establishment.			
	ii.—Each single man . .	10	4½	8	45	...					

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
			Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
		(*a*) PRIMARY BUILDINGS—*concld.*						M. D. letter No. 900 M. W., dated 19th September 1883.	In the case of buildings not intended for occupation during the winter, Government do not consider it necessary to provide planking under the sheet iron roof coverings of servants' quarters, and similar subsidiary buildings at hill stations. (This ruling refers to *corrugated* iron, in the case of *non-corrugated* sheets, some planking would be necessary in order to support the sheets.)			
	665	QUARTERS FOR HOSPITAL STOREKEEPERS.	...	...	...	...	...	.....	See item 636.			
		Quarters for a Hospital Storekeeper—										
		1 room	16	12	10	...	535; exclusive of court-yard.	.....	.....	...	11	N. I.
		1 bath-room	8	6	8	...			To be the same as authorised for the plains, the height of the main room being reduced to 10'. If the site will not admit of its convenient provision, the court-yard may be omitted.			
		1 verandah	16	6	8	...						
		An *open* "Zenana" court-yard	32	16	8	...						
		(*b*) AUXILIARY BUILDINGS	...	...	...	...	...	.....	NOTE.—Fire-places are to be supplied instead of stoves; iron stove pipes may be used above the chimney breast, if considered suitable by the Director General of Military Works.			
	666	BLOCK OF ADMINISTRATIVE OFFICES	...	...	...	...	...	.....	See item 637.			
		Block for a hospital of 124 beds, containing—										
		1 room for Medical Warrant Officer on duty	14½	20	10	...	4,237	P. W. D. letter No. 894 M. W., dated 7th November 1881.	Government approve the type plan	...	5	Hospital.
		1 Surgery	14½	20	10	...						
		1 Medical Store	10	20	10	...						
		1 Receiving room	14½	20	10	...						
		1 Office	14½	20	10	...						
		1 Office for Hospital Storekeeper	14	20	10	...			Height of rooms to be reduced to 10 feet in the hills and in hutted camps.			

667	BLOCK PLAN SHOWING POSITION OF HOSPITAL BUILDINGS.	...	...	...	...	...	M. D. letter No. 643 M. W., dated 4th May 1886.	Government approve the type plan . . .	...	19	Hospital.
668	COWSHEDS OR PLATFORMS . .	...	...	...	...	...	.....	See item 639.			
669	ENCLOSURE WALL OR FENCE— .	...	...	...	...	...	.....	See item 640. A fence or enclosure wall is not usually considered necessary in the Hills.			
	i.—For the hospital.										
	ii.—For the Lady Nurses' quarters.										
670	GUARD-ROOM	...	...	...	...	...	.....	See item 641.			
	Guard-room for 1 Corporal and 6 Rank and File—										
	1 room	24	20	10	...	880	.....	A small lavatory to be given by enclosing a portion of the verandah (see item 641).			
	with a 9′ wide verandah in front of the buildings.	...	...	...	...						
671	LAMP-ROOMS—	...	...	...	...	...	.....	See item 642.			
								Fixed shelves should be provided.			
	For a hospital of 20 beds—										
	1 room	15⅓	12	10	...	267	.....	See remark against item 664 as regards flanking under sheet iron roofs			
	Passage	10	5	7	...	85					
672	LAUNDRY	...	...	...	...	...	.....	See item 643.			
	Type plan— 1 room	30	15	11½	...	620	.....	See remark against item 664 as regards flanking under sheet iron roofs.	...	9	Hospital.
673	MORTUARY	...	...	...	...	...	.....	See item 644.			
	Type plan— 1 room	18	12	15¼	...	...	.....	.....	...	7	Hospital.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
			Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
Station Hospitals—British—in the Hills and in Hutted Camps—*contd.*		(*b*) AUXILIARY BUILDINGS—*contd.*										
	674	Shed for Ambulance Carts and Hearse.	...	...	...	...	...	.....	See item 645.			
									Would not be required in the case of the generality of stations in the hills.			
	675½	Shed for Horses and Conveyances of Medical Officers.	...	...	...	...	...	.....	See item 645½.			
	675	Shed or Boiler for disinfecting Clothing and Bedding.	...	...	...	...	...	.....	See item 646.			
	676	Hospital Store-keeper's Store	...	...	...	...	...	.....	See item 647.			
									Same space to be given as authorised for the plains, the type hut style of construction being adopted.	...	5 5 A.	Hospital.
	677	Wells or Water-supply	...	...	...	...	...	.....	See remarks against item 42.			
									To be provided according to requirements.			
		(*c*) SUBSIDIARY BUILDINGS	...	...	...	...	...	M. D. letter No. 900 M. W., dated 9th August 1883.	See the case of buildings not intended for occupation during the winter. Government do not consider it necessary to provide planking under the sheet iron roof coverings of servants' quarters and similar subsidiary buildings at hill stations. (This remark would not apply to *non-corrugated* sheets, where a certain quantity of planking would be required to support the sheets.)			
	678	Coach-houses	...	...	...	...	...	.....	See item 649.			
									Would not be required in the hills as a rule.			

679	COOK-HOUSES	...	...	...	...	...	.....	See remarks against item 43.				
	i.—For the Hospitals for Officers, Men and Soldiers' families.	...	...	...	...	...	.....	See item 650, i.				
	Type plan of a cook-house for a hospital of 124 beds.											
	1 Kitchen	23½	16	8	...	831	.....	As per type plan, the heights being reduced as shown.	...	10	Hospital.	
	1 Scullery	16	8	8	...							
	1 Cooking-chamber . .	16	5	18	...							
								In the hills, where the hospital blocks will, as a rule, be scattered at some distance from each other, it will probably be found necessary to build two or more small cook-houses instead of one large one.				
	ii.—For Hospitals for Followers .	...	...	...	...	...	.....	See item 650, ii.				
	iii.—For Lady Nurses . .	...	...	...	...	...	.....	See item 650, iii.				
	1 Kitchen	10	12	8	...	310	.....					
	1 Cooking-chamber . .	5	12	18	...							
	iv.—For Commissioned and Warrant Officers of the Subordinate Medical Department.	...	...	...	...	...	.....	See item 650, iv.				
	Type plan of cook-house for 4 men—			Average								
	4 Kitchens, each . . .	7¾	6	10	...	640	.....	As per type plan, the heights being reduced as shown.	...	13	Hospital.	
	4 Cooking-places, each . .	7¾	1½	18	...							
680	LATRINES	...	...	...	...	...	.....	See item 46.				
	i.—For Hospitals for Men— .	...	...	...	...	...	.....	See item 651, i.				
	Latrine of 4 seats for a hospital for 20 patients . . .	14	8⅝	7	...	216	.....	Width and length of latrine to be reduced as shown	...	1A to 1F	Hospital.	
	Passage	10	5	7	...	85						

Accommodation authorised for Station Hospitals—British—in the Hills and in Hutted Camps—continued.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
		(*c*) SUBSIDIARY BUILDINGS—*contd.*	Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
	680	LATRINES—*contd.*										
		ii.—For Hospitals for Soldiers' families—	...	..	...	...	...	.....	See item 651, ii.			
		Latrine of 3 seats for a hospital for 10 patients.	11⅔	8⅝	7	...	187	.....	Width and breadth of latrine to be reduced as shown	...	3 & 4	Hospital.
		Passage	10	5	7	...	85					
		iii.—For Hospitals for Officers .	...	...	...	...	...	.....	See item 658; the bath-room will answer the purpose.			
		iv.—For Hospitals for Contagious Diseases.	...	...	...	...	...	.....	See item 630; the bath-rooms will answer the purpose.			
		v.—For Hospitals for Followers .	...	...	...	...	...	.....	See item 651, v.			
		vi.—For Commissioned and Warrant Officers of the Subordinate Medical Department.	...	...	...	...	...	.....	See item 651, vi.			
		Latrine of 4 seats for 4 men .	10⅔	8⅝	7	...	175	.....	Width and length to be reduced as shown .	...	13	Hospital.
		vii.—For Hospital Assistants .	...	...	...	...	...	.....	See item 651, vii.			
		viii.—For Hospital Servants .	...	...	...	...	...	.....	See item 651, viii.			
		ix.—For Hospital Store-keepers .	...	...	...	...	...	.....	See item 651, ix.			
		x.—For the Hospital Guard-room.	...	...	...	...	...	.....	Not authorised.			

681	LAVATORIES—	...	...	...	...	...	...	See item 45.
	i.—For Hospitals for Men .	...	...	...	...	Included in that of the hospital.	...	See item 652, i, width of lavatories in end verandahs to be 8½′ in the hills and in hutted camps.
	ii.—For Hospitals for Soldiers' wives and children.	...	...	...	...	Ditto .	...	See item 652, ii, do. do. do. do.
	iii.—For Hospitals for Officers .	...	...	...	...	...	...	See item 658; the bath-room will answer the purpose.
	iv.—For Hospitals for Contagious Diseases.	...	...	...	...	...	...	See item 630; the bath-rooms will answer the purpose.
	v.—For Hospitals for Followers	...	...	...	...	...	...	See item 652, v.
	vi.—For the Hospital Guard-room.	...	...	...	...	...	...	See item 670; a small lavatory is to be provided in the verandah.
682	QUARTERS FOR SERVANTS (OTHER THAN HOSPITAL SERVANTS)—							
	i.—For Servants of Lady Nurses	...	...	...	...	...	M. D. letter No. 1876 M. W., dated 28th July 1891.	Two quarters, each 10′ × 8′, are authorised for each lady.
	Each quarter . .	10	8	8	...	...	D. G.'s Circular No. 11B. of 1891.	In the hills and in hutted camps the height can be reduced to 8′ as in the case of hospital servants.
	ii.—For Servants of Commissioned and Warrant Officers of the Subordinate Medical Department.	...	...	...	...	...	...	For scale, etc., see item 653, ii.
	Each quarter . .	10	10	8	...	...	...	In the hills and in hutted camps the height can be reduced to 8′ as in the case of hospital servants.

Arm of the service, Department, etc.	Item No.	Details.	Length.	Breadth.	Height.	Floor area per man.	Plinth area of building.	Detail of Orders, etc.				
								Authority.	Particulars.	Standard plan.	Type plan.	
			Feet.	Feet.	Feet.	Supl. ft.	Supl. ft.			No.	No.	Series.
Station Hospitals—British—in the Hills and in Hutted Camps—*concld.*		(*c*) SUBSIDIARY BUILDINGS—*concld.*										
	683	STALLS—										
		i.—For Lady Nurses—										
		Each stall . . .	12	8	Average $11\frac{1}{8}$	...	...	.....	See item 654, i. One for each lady.			
		ii.—For Commissioned and Warrant Officers of the Subordinate Medical Department—										
		Each stall . . .	12	8	Average $11\frac{1}{8}$	...	...	.....	See item 654, ii. One for each Commissioned and Warrant Officer of the Subordinate Medical Department, excepting Sub-Assistant Apothecaries.			
	684	URINARIES—	...	...	...	...	...	.....	See item 47.			
		i.—For Hospitals for Men—										
		1 of 4 compartments . .	...	...	...	...	66	M. D. Circular No. 7 M. W., dated 4th December 1882.	Government authorise the provision of urinaries for Station Hospitals on the scale of "one for each hospital, with four compartments." The four compartments may be given in one or more blocks as may be found convenient.			

G. I. C. P. O.—No. 3 D. G. M. W.—15-6-96.—E. E. C.