



JUNE

2011

GHANA HEALTH SERVICE

Schedule of Accommodation

Proposed 100 bed District Hospitals for ADENTA and ASHAIMAN



Adenta & Ashaiman

100 bed District Hospitals in Accra



<p>The district Hospital will be the focus of clinical care at the district level and will serve as the referral point for the health centres within the district. It will provide emergency, outpatient and inpatient services including surgery. It will provide also laboratory, radiology, anaesthesia and dispensing/pharmacy services. Furthermore it will provide training and supervision support to health centres. In areas where there are no health centres for the immediate catchment area of the hospital, a special unit will be set up to provide the health centre services, preferably located in a separate facility which can be built according to the norms for health centre. The present building norms are for the District Hospital that provide preventive health services.. Total staff as per MoH guidelines: 126. Bed capacities are between 60 - 120. The space norms are for planning purposes, a minimum requirement. Similarly staff housing requirements are also indicated as minimum requirements and client team are advised to discuss numbers and sizes at briefing stage.</p>										
Accommodation	Services to be performed	Staff attachment	Eq. Pack Norm No.	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments	
Hospital Access										
Public gate	Public entrance/pedestrian/vehicle		EN37	1	10	10			heavy duty metal gates. Construction should allow views across. Preferably sliding on ball bearing castors or electronically controlled from security post	
Casualty - emergency entrance/Ambulance parking	Emergency entrance - incl. hospital supply	1	EN37	1	30	30			must have drop off zone as well as ambulance parking	
Fence Wall	hospital perimeter fencing - security/ demarcation								provide fencing for immediate inner perimeter of hospital. Combination of chain link and bricks/ sandcrete block wall is advised	
Parking, public	Public/visitors parking		EN37						should have quick access to main OPD entrance. Conflict in movement to be reduced to minimum. Area may be tree shaded as part of landscaping	
Security/ Gate House	Security/ entry and exit monitoring	3		1	9	9			to afford full view of in-coming and out-going traffic. Must have telephone and control of gate. Provide appropriate furniture.	
Toilet facility	For security staff	3		1	6	6				
				4		55	20%	66		
Administration										
Reception/ Waiting	entrance hall for receiving and screening visitors	2	EN39	1	30	30			hold about 20 visitors	
Hospital Director	Office for Medical Director/ Chief Administrator of Hospital	1	EN40	1	30	30			room to accommodate visitors and small meetings of up to 6 persons + private wc	
Hospital Administrator	Office for Hospital Administrator	1	EN39	1	25	25			room to accommodate visitors and small meetings of up to 6 persons + private wc	
Office of Medical Services	Officer for Matron	1	EN39	1	18	18			room to accommodate visitors and small meetings of up to 6 persons + private wc	
Nursing Administration	Office for Nursing Administration	1	EN39	2	15	30			room to accommodate visitors and small meetings of up to 6 persons + private wc	
Secretary	Secretary/ reception to the Hospital management	2	EN39	2	20	40			work area + separate room to accommodate visitors of up to 6 persons	
Secretariat	General secretarial and administrative tasks	3	EN39	1	18	18				
Finance Manager	Office for Finance Manager	1	EN39	1	15	15				
Accounts office	Office for accounting	2	EN39	1	30	30				
General Office	Clerical Office	6	EN39	2	18	36				
IT Administrator	Server room w/ personnel for support	2	EN39	3	12	36				
Filing Room	Files room w/ personnel support	3	EN40	1	12	12				
Hospital Social Worker	Office for Hospital social worker		EN39	1	20	20			file cabinets, desks + chairs	
Staff Library	reference library	(20 attend)	EN39	1	40	40			study carrels, bookshelves, carpeted etc	
Conference room	Library - staff conference - Training	(30 attend)	EN40	1	60	60			projector with screen, comfortable upholstered chairs	
Training room	staff conference - Training	(30 attend)	EN40	1	36	36			partitioned into 2 rooms	
Pantry	staff conference - Training		EN39	1	12	12				
Store	storage of stationery etc		EN39	1	9	9				
Toilet, staff	Toilet for male + female staff		EN39	1	9	9			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males	
Toilet, public/ visitors	Toilet for visitors (male + female)		EN39	1	9	9			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males	
Cleaners room	Cleaning equipment + cleaners trolley		EN39	1	6	6				
Circulation	Corridors/walls/ext. Covered areas		EN39			383	30%	497.9		
				26						

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Outpatient Department									
Hospital Entrance									
Information/ Enquiries/ wheelchair	information desk/ beverage + snack dispensers		EN38	1	30	30			to be located close to or in OPD complex
Lobby	Entrance/distribution social meeting point		EN38	1	60	60			to be located close to or in OPD complex
Pabx	Pabx - telephone exchange/ public phone		1 EN38	1	20	20			public booth area - to be located close to or in OPD complex
Technical Room	Building Management System		1 EN38	1	20	20			to be located near security at entrance
Revenue collection	Cashier - payment for treatment		2 EN41	1	10	10			near entrance / records/ consulting
NHIS office	Office for NHIS activities. Registration/ issuance of I.Ds		1 EN46	1	12	12			National Health Insurance Scheme schedule officer
Registration	Patient registration		EN41	4	15	60			provision for computerised data entry on 4 workstations
Record + files (active)	Patients records		EN41	1	30	30			storage for folders, provide rack system + IT assisted cataloguing/ retrieval
Record + files (archive)	Patients records/archive		EN42	1	30	30			storage for folders, provide rack system + IT assisted cataloguing/ retrieval
GP Room	examination		2 EN15	1	16	40			locate close to records/ registration area
Clinical nurse	patient screening, history taking, temp, weight, height etc		2 EN15	1	16	24			locate close to records/ registration area
Toilet, staff	Females + female toilet for staff		EN38	1	9	9			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Toilet, visitors	Females + female toilet for visitors/patients		EN38	1	9	9			provide close to entrance
Wheelchair Toilet, male/ female	Toilet for visitors/patients		EN38	1	6	6			provide close to entrance
Head Nurse	Office for Senior Nursing officer		1 EN47	1	12	12			provide min. 1no. wc close to entrance
Biostatistics	Health Information Systems Office		1 EN41	1	15	20			
Biostatistics Data clerks	Health Information Systems Office		4 EN41	1	20	20			
Nurses station	staff base, administrative		32	2	15	30			
Observation room / recovery	Max. 6-8 hours observation (m+f)	(3 beds)	EN43	2	24	48			
Store	medications storage, instruments and linen		EN54	1	15	15			
Staff room	Staff room for rest and tea		EN46	2	20	40			shared facilities
Consulting Rooms	Specialised consultation/ examination room		EN14	10	16	160			
Sub-waiting Areas	patient waiting to see doctors		EN14	4	15	60			
Injection room	Injection		EN16	1	10	10			
Dressing room	Dressing		EN16	1	10	10			
Clean utility	clean supplies, linen etc		EN45	1	12	12			
Dirty utility	Cleaning/ washing/ waste		EN46	1	12	12			
Equipment store	mobile xray etc		EN42	1	6	6			to be located at OPD
Store	Drug store		EN54	1	15	15			
Ophthalmology Reception	patient waiting			1	25	25			
Eye Clinic (Ophthalmology)	Examination/ Treatment, & waiting		EN45	1	10	10			
Eye Clinic (Optometrist)	Examination/ Treatment, & waiting		EN46	2	15	30			
ENT (Orthologygology)	Examination/ Treatment, & waiting		EN46	2	15	30			
Store	Store for items, equipment, consumables		EN40	1	6	6			

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Accommodation	Services to be performed	Staff attachment	Eq. Pack Norm No.	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Dental Reception	Records/ Revenue & waiting			1	25	25			
Dental Consulting/ Surgery	Examination & Treatment, & waiting			2	25	50			
Dental laboratory	Store, minor workshop		EN44	1	10	10			
Dentists Office	Administrative office for chief dentist		EN46	1	10	10			
Cleaners room	changing facilities + clothes lockers		EN46	2	8	16			shared facilities (male + female)
Cleaners Equipment Storage	Cleaning equipment + cleaners trolley		EN46	1	8	8			shared facilities
toilet, visitors	Female toilet		EN46	1	20	20			provision to cater for disabled, min. 4no. wc per each gender, incl urinal for males
toilet, visitors	Male Toilet		EN46	1	20	20			provision to cater for disabled, min. 4no. wc per each gender, incl urinal for males
Changing, staff, male	Male staff changing + shower		EN46	1	15	15			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Toilet, staff, male	Male toilet		EN46	1	9	9			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Changing, staff, female	Female staff changing + toilet		EN46	1	20	20			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Toilet, staff, female	Female toilet		EN46	1	9	9			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Circulation	Corridors/walls/ext. Covered areas					1143	30%	1485.9	
				68					
Public Health									
Reproductive / Adolescent Health Unit	Consulting Rooms, CWC and counselling			5	12	60			to be designed as one unit; not necessarily within OPD but near
Hospital Public Health Unit	Offices for FP,RCH,Disease control,Nutritionist,etc		EN46	8	12	96			
Cold Chain	Cold chain equipment package		EN11	1	15	15			usually will have storage fridges for vaccines etc
Regional Cold Store	medicines and vaccines		EN12	1	60	60			usually will have storage fridges for vaccines etc
Waiting Area	For Public Health Clinic		EN46	1	80	80			
Storage	medicines, chemicals, tools, consumables		EN46	1	10	10			
STI/ HIV/ VCT/ ART unit	stores		EN46	1	120	120			to be designed as one unit; not necessarily within OPD
Diabetic Centre	Counselling Treatment		EN46	1	25	25			
Environmental Health Officer	Office for the Environmental Health Officer		ENT	1	12	12			
PMTCT	prevention of mother to child transmission			2	12	24			
Head Nurse	Office for Senior Nursing officer	1	EN47	1	12	12			
Clean store	Store for clean, medical items		EN46	1	12	12			
General store	Store for general storage and cold chain		EN46	1	10	10			shared facilities
Staff room	Staff room for rest and tea	(10 staff)	EN46	1	20	20			shared facilities
Drivers area	Drivers resting/ stand-by area		EN46	3	10	30			shared facilities (alternatively may be located at hosp ent or A+E)
Cleaners room	changing facilities + clothes lockers		EN46	2	8	16			shared facilities (male + female)
Cleaners Equipment Storage	Cleaning equipment + cleaners trolley		EN46	1	12	12			shared facilities
toilet, visitors	Female toilet		EN46	1	20	20			provision to cater for disabled, min. 4no. wc per each gender, incl urinal for males
toilet, visitors	Male Toilet		EN46	1	20	20			provision to cater for disabled, min. 4no. wc per each gender, incl urinal for males
Changing, staff, male	Male staff changing + shower		EN46	1	15	15			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Toilet, staff, male	Male toilet		EN46	1	9	9			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Changing, staff, female	Female staff changing + toilet		EN46	1	20	20			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Toilet, staff, female	Female toilet		EN46	1	9	9			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Circulation	Corridors/walls/ext. Covered areas					707	30%	919.1	
				38					

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Pharmacy/Dispensary									
Waiting	Patient covered waiting area		EN54	1	50	50			
Revenue Collection	Cashier - payments for medicine		EN54	1	6	6			
Drug Requisition/ Inpatient Dispensing	Inpatient requisition / issuing		EN54	1	20	20			
Dispensary	outpatient issuing		EN54	1	30	30			
Work area	Preparation/ manufacturing		EN54	1	30	30			
Bulk Store	Drug store		EN54	1	30	30			
Day Store	Drug store		EN54	1	20	20			
Delivery Bay	Supplies in		EN54	1	10	10			
Store	temperature controlled storage		EN54	1	10	10			
Pharmacists Office	Toilet for staff		EN54	1	15	15			
Unpacking	Control of supplies		EN54	1	15	15			
Store	storage of stationery etc		EN39	1	9	9			
Staff room	Staff room for rest and tea		EN46	1	15	15			shared facilities
Toilet, staff	Toilet for male + female staff		EN39	1	12	12			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Toilet, public/ visitors	Toilet for visitors (male + female)		EN39	1	12	12			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Cleaners room	Cleaning equipment + cleaners trolley		EN39	1	10	10			
Circulation	Corridors/walls/ext/ Covered areas		EN54			294	30%	382.2	
				16					
Laboratory Medicine									
Reception/ Waiting	Registration/ report collection (for patients)	(30 patient)	EN40	1	20	20			to be close to revenue collection area
Clinical chemistry	Haematology - analysis(Biochemistry)		EN40	1	20	20			
Septic lab	Urine, Stool - Analysis(Parasitology)		EN40	1	20	20			
Microbiology	Analysis		EN40	1	20	20			
Virology/ Serology	Analysis		EN39	1	20	20			
Histopathology	Analysis		EN40	1	20	20			
Laboratory Technologist	Office for Laboratory Technologist		EN40	1	12	12			
Revenue collection point	Revenue collection		EN40	1	15	15			can share same waiting area with registration area
Sample room	Samples, test		EN40	2	10	8			
Blood Bank	fridge storage units		EN40	1	10	6			
Blood Donor Organiser	Office for counselling & reporting		EN40	1	12	12			
Bleeding room	bleeding/ phlebotomy	3 bed	EN40	1	24	24			
Reception	For Donors		EN40	1	12	12			
Refreshment/ rest room	For Donors	For Donors	EN40	1	12	12			fitted with kitchenette facilities and soft lounge seating + TV etc
Staff rest room	Resting and refreshing area for staff		EN40	1	12	12			fitted with kitchenette facilities and soft lounge seating + TV etc
Laboratory Medicine	Grouping/test/screening/labell.		EN40	1	15	15			
Clean utility	Clean items, supplies		EN40	1	6	6			
Blood Storage-Distribution	Cold storage w. alarm syst./issuing		EN40	1	8	8			
Dirty utility	Cleaning/washing/waste		EN40	1	6	6			
Store	Store for chemical, equipment, unpacked goods - crucibles etc		EN40	2	10	6			
Staff room	Staff room for rest and tea		EN46	1	15	15			rest area
Public toilet	Toilet M+F		EN40	2	2	4			
Changing, staff, male	Male staff changing + shower		EN46	1	15	15			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Changing, staff, female	Female staff changing + shower		EN46	1	15	15			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males

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Accommodation	Services to be performed	Staff attachment	Eq. Pack Norm No.	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Toilet, Staff, male	Male staff toilet		EN40	1	2	2			
Toilet, Staff, female	Female staff toilet		EN40	1	2	2			
Gas store	External area for gas-bottle/install		EN40	1	0	0			
Cleaner's closet	orderlies, cleaning equipment, etc		EN59	1	12	12			
Circulation	Corridors/walls/ext. Covered areas		EN40			339	30%	440.7	

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Accident & Emergency Department									
Nurse station	Nurse/staff/office/registration		EN47	1	15	15			provide one each at main entrance and recovery area
Entrance hall/ Patients Lounge	Waiting/ case sorting		EN47	1	50	50			especially from road/ motor accidents
Patients/ Visitors Lounge	Waiting		EN48	1	50	50			patient relatives waiting, near access to patients from ward
Records Room	patient records store			1	15	15			records trolleys to be provided
Resuscitation / preparation	1st aid/ injuries		EN47	2	15	30			provide in groups of 2-bed as minimum requirement
Examination cubicles	examination/ Treatment room		EN48	2	15	30			provide in groups of 2-bed as minimum requirement
Emergency Consulting Room	Consulting/ Examination		EN42	1	16	16			
Doctors Office	Office for Doctors, radiologist, surgeons		EN47	1	16	16			
Minor theatre	Minor surgery, 1st aid		EN47	1	36	36			
Doctors scrub up	Preparation		EN47	1	6	6			
Plaster room	Dressing, plastering, Wound Dressing		EN47	1	16	16			
Observation room / recovery	post operative holding area	(4 beds)	EN43	1	32	32			
Sterilising room	Sterilisation, autoclaves		EN49	1	10	10			
Medication store	medicines, pharmaceuticals and consumables			1	10	10			
Mobile Equipment	holding of xray etc			2	4	8			provide one each for equipment storage and another for consumables
Dirty utility	Cleaning/washing waste		EN47	1	12	12			
Clean Store	Store		EN47	1	15	15			
Triage Ward	temporary hold for patients on emergency/ screening/ resuscitation		EN47	1	90	90			12 beds in open area
Staff Restroom	Staff room for rest and tea	(10 staff)	EN46	1	20	20			
Toilet, patient	Toilet for patients		EN47	1	5	5			
Toilet, staff	Staff toilet for duty staff		EN47	1	5	5			
Changing, staff, male	Male staff changing + shower		EN46	1	15	15			
Changing, staff, female	Female staff changing + shower		EN46	1	15	15			
Temporary Morgue	temporary holding bay for dead bodies		EN47	1	5	5			*conditions to be confirmed e.g. cold storage facilities?
Cleaner's closet	orderlies, cleaning equipment, etc		EN59	1	12	12			
Circulation	Corridors/walls ext. Covered areas		EN47			534	30%	694.2	

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Dioagnostic - Imaging Department									
Waiting	Registration		EN48	1	40	40			
Nurse Station	reception/ screening/ records		EN48	1	20	20			
Consulting room	patient interview		EN48	1	15	15			
Radiology	diagnostics, examination, scanning, patient changing, console room		EN48	1	30	30			digital xray equipment
Flourosocopy	diagnostics, examination, scanning, patient changing, console room		EN48	1	30	30			digital equipment
CT Scan	diagnostics, examination, scanning		EN48	1	35	35			
CT Scan Control Room	consoles, viewing, monitoring		EN48	1	12	12			
Ultrasound scanning	Examination/scanning		EN48	3	16	48			
Mamography	Examination/scanning		EN48	1	16	16			
Computer Room	Operation of x-ray		EN48	2	3	6			
Dark room	Film processing		EN48	1	6	6			
X-ray office	X-ray physician w. viewing		EN48	1	10	10			
Radiologist	Office for the Radiologist		EN48	1	15	15			
Technologist Office	Office for Technologist		EN48	1	10	10			
Dirty Utility	Cleaning /washing waste		EN48	1	10	10			
Film Store	Store		EN48	1	10	10			
Staff Restroom	Staff room for rest and tea	(10 staff)	EN46	1	20	20			
Toilet, patient	Toilet for patients		EN47	1	5	5			
Toilet, staff	Staff toilet for duty staff		EN47	1	5	5			
Changing, staff, male	Male staff changing + shower		EN46	1	15	15			
Changing, staff, female	Female staff changing + shower		EN46	1	15	15			
Cleaner's closet	orderlies, cleaning equipment, etc		EN59	1	12	12			
Circulation	Corridors/walls/ext. Covered areas		EN48			385	30%	500.5	

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Surgery Department									
Patient entrance	entrance lobby for staff and patients		EN49	1	6	6			
Patient transfer	transfer of patient, trolley exchange		EN49	1	6	6			
Stretcher bay	stretcher/ trolley holding area		EN49	1	6	6			
Consulting Room - Day case	Report writing		EN49	1	16	6			
Patient preparation - Day case	changing area with sanitary facilities, cubicles		EN49	1	24	24			
Post Operative ward - day case (2 beds)	recovery, patient rest area		EN49	1	16	16			
Operation theatre	surgical interventions		EN49	3	45	135			one septic + one aseptic
Scrub-up	Preparation		EN49	1	8	8			
Theatre Sterile store	holding area for sterile supplies		EN49	2	15	30			
Sterilising room	Sterilisation, autoclaves		EN49	1	12	12			
Anaesthesia Induction Room	Preparation, anaesthetic		EN49	1	15	15			
Disposal Area	Cleaning, washing, risk water		EN49	2	8	16			
Clean store	Store for surgery preparation		EN49	4	6	24			
Cleaning and disinfection	Store for sterilised equipment and linen		EN49	1	10	10			
Recovery ward (2 beds)	Recovery		EN49	2	15	30			
Surgeon's Office	Report writing		EN49	1	12	12			
Anaesthetist's Office	Report writing		EN49	1	12	12			
Nurse station	Office/staff duty/registration.observ.		EN49	1	15	15			
Dirty utility	Cleaning/washing/waste		EN49	1	6	6			
Cleaners room	Cleaning equipment + cleaners trolley		EN49	1	4	4			
Staff entrance	Entrance lobby for staff only		EN49	1	6	6			
Staff Restroom	Staff room for rest and tea		EN46	1	15	15			
Changing, staff, male	Changing with shower/ lockers		EN49	1	15	15			
Changing, staff, female	Changing with shower/ lockers		EN49	1	15	15			
Toilet, staff, male	Male staff toilet		EN49	1	6	6			
Toilet, staff, female	Female staff toilet		EN49	1	6	6			
Orderlies	waiting area			1	10	10			
Cleaner's closet	orderlies, cleaning equipment, etc		EN59	1	12	12			
Doctors corridor	Circulation		EN49	1	0	0			
Dirty corridor	Circulation		EN49	1	0	0			
Circulation	Corridor/walls/ext. Covered areas		EN49			478	30%	621.4	

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Accommodation	Services to be performed	Staff attachment	Eq. Pack Norm No.	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
ICU + HDU									
Patient entrance	entrance lobby for staff only		EN49	1	6	6			
Patient transfer	transfer of patient, trolley exchange		EN49	1	6	6			
Stretcher bay	stretcher/ trolley holding area		EN49	1	6	6			
4 bed ICU	monitoring, intensive care		EN49	1	32	32			shared space with view from nurse station
6 bed HDU	monitoring, critical care		EN49	1	48	48			provide 2 beds in cubicles and 4 beds in shared space with drawable curtains
Scrub-up	Preparation		EN49	2	8	16			
Sterilising store	holding area for sterile supplies		EN49	1	15	15			
Clean Utility	Store for sterilised equipment and linen		EN49	1	12	12			
Surgeon's Office	Report writing		EN49	1	12	12			
Nurse station	Office/staff duty/registration observ.		EN49	2	15	30			one each for ICU and HDU
Dirty utility	Cleaning/washing/waste		EN49	1	10	10			
Staff entrance, air lock	Entrance lobby for staff only		EN49	1	8	8			
Orderlies	waiting area			1	10	10			
Cleaner's closet	orderlies, cleaning equipment, etc		EN59	1	12	12			
Dirty corridor	Circulation		EN49	1	0	0			
Circulation	Corridor/walls/ext. Covered areas		EN49			223	30%	289.9	
Maternity Outpatients									
Registration	Patient registration		EN41	1	12	12			provision for computerised data entry
Waiting	Patient/ visitors waiting/ demonstration area/ cwc etc	80	EN41	1	80	80			convenient environment, well roofed and protected from elements
Record + files	Patients records/archive		EN41	1	10	10			provision for computerised data entry and retrieval
Revenue collection	Cashier - payment for treatment	2	EN41	1	10	10			cubicles
Nurse station	patient screening		EN46	1	12	12			
Sister's Office	Office for senior nurses		EN46	3	12	36			
Consulting/ examination Room	ante partum		EN42	6	16	96			
Circulation	Corridors/walls ext. Covered areas		EN53			256	30%	332.8	
Child Health Outpatients									
Registration	Patient registration		EN41	1	12	12			provision for computerised data entry
Waiting	Patient/ visitors waiting/ demonstration area/ cwc etc	80	EN41	1	80	80			convenient environment, well roofed and protected from elements
Record + files	Patients records/archive		EN41	1	10	10			provision for computerised data entry and retrieval
Revenue collection	Cashier - payment for treatment	2	EN41	1	10	10			cubicles
Nurse station	patient screening		EN46	1	12	12			
Sister's Office	Office for senior nurses		EN46	3	12	36			
Consulting/ examination Room	ante partum		EN42	4	16	64			
Circulation	Corridors/walls ext. Covered areas		EN53			160	30%	208	

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Accommodation	Services to be performed	Staff attached	Eq. Pack Norm No.	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Neonatal care -NICU									
Neonatal care - premature babies	10 cot room/ and 10 incubators		EN53	1	15	15			
Neonatal care - sick baby unit	Single cot room - Isolation		EN53	1	8	8			
Nurse station	Nurse/staff/office/night duty		EN53	2	10	20			
Mother - child room	Ensuite Room for mother & child		EN53	4	16	64			
Dirty utility	Cleaning/washing/waste		EN53	1	6	6			
Clean store	Store		EN53	1	4	4			
Circulation	Corridors/walls ext. Covered areas		EN53			117	25%	146.25	
Delivery Suite (14 bed lying-in)									
Admission	waiting area			1	20	20			
Nurse Station	nurse duty room			1	20	20			
Consultation	examination, ultrasound, etc			2	12	24			
Mid-wife's office	examination, ultrasound, etc			1	15	15			
4 - bed ward	labour room/ preparation - 1st stage			1	32	32			
4 - bed ward	labour room/ preparation - 2nd stage			1	32	32			
Labour/ Delivery Room (4-bed)	Delivery			1	32	32			
Special Delivery Room	traditional delivery procedures			1	20	20			
Delivery Room (Private)	delivery-ensuite			2	18	36			
4 - bed ward	lying-in beds			2	45	90			ensuite with sho/ wc on-board
2 - bed ward	lying-in beds			2	30	60			ensuite with sho/ wc on-board
1 - bed ward	lying-in beds			2	18	36			ensuite with sho/ wc on-board
New born room	care of new borns (bathing of babies)			1	10	10			
Milk Kitchen	food and milk preparations for new borns			1	12	12			
Eclampsia room	patient monitoring, sick patients, critical care, eclampsia			2	12	24			
Operation theatre	surgical intervention e.g. c-section			2	30	60			
Scrub up	preparation			1	10	10			
Recovery ward (6-beds)	post operative ward			1	48	48			
Sterile store	store for surgery prep			2	8	16			
sterilizing room	sterilisation, autoclaves			1	10	10			
Dirty Utility	cleaning/ waste/ wash			1	10	10			
Clean Store	store			2	8	16			
Linen Store	store			1	10	10			
Staff Rest Room	tea, coffee lounge			1	15	15			
Toilet + Shower (patient)				1	12	12			
Cleaner's room	cleaning equipment/ trolley			1	8	8			
Toilet, public, male	visiting public, males			1	20	20			
Toilet, public, female	visiting public, females			1	12	12			
Changing, staff, male	shower, wc, lockers			1	15	15			
Changing, staff, female	shower, wc, lockers			1	15	15			
Relatives Lounge	waiting area for family support			1	15	15			
						755	30%	981.5	

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Obs & Gynae Ward (20-beds)									
Nurse station	Nurse / staff/ office		EN51	1	15	15			
Reception	visitors waiting			1	12	12			
Dayroom	Patient/ visitors lounge and social area			1	24	24			with TV and comfort seats, use of artwork and colour desirable
6 Bed Ward	Ward for patients		EN51	2	42	84			
4 Bed Ward	Ward for patients		EN51	1	30	30			
1 Bed Ward Ensuite	Ward for patients - single bed ward		EN51	4	16	64			
Medications	Pharmaceuticals, medicine cabinets, fridges, instruments trolley		EN51	1	10	10			
Staff Restroom	Restroom for Nurses		EN51	1	12	12			
Dirty utility	Cleaning/washing/waste		EN51	1	6	6			
Clean store	Clean linen and supplies		EN51	1	6	6			
Toilet, staff	Toilet for staff		EN50	2	3	6			
Shower, staff	Shower for staff		EN51	2	3	6			
Toilet, patient	Toilet for patients		EN50	2	3	6			
Shower, patient	Shower for patients		EN51	2	3	6			
Equipment store	mobile equipment		EN51	1	6	6			
Cleaners room	Cleaning equipment + cleaners trolley		EN51	1	6	6			
Circulation	Corridors/walls/ext. Covered areas		EN51			299	30%	388.7	
Surgical Ward (20 Beds)									
Female & Male									
4 Bed Ward	Male ward		EN51	2	32	64			
1 Bed Ward ensuite	Male ward - single bed ward		EN51	1	16	16			
4 Bed Ward	Female ward		EN51	2	32	64			
1 Bed Ward ensuite	Female ward - single bed ward		EN51	1	16	16			
2-bed isolation ward	quiet room			1	15	15			1 each for male and female
Nurse station	Nurse / staff/ office		EN51	1	15	15			
Reception	visitors waiting			1	12	12			
Dayroom	Patient/ visitors lounge and social area			2	12	24			with TV and comfort seats, use of artwork and colour desirable
Medications	Pharmaceuticals, medicine cabinets, fridges, instruments trolley		EN51	1	6	6			
Treatment	Examination/ treatment/ Dressing etc		EN42	1	15	15			alternatively may be located at A+E
Staff Restroom	Restroom for Nurses		EN51	1	20	20			also to be used for ward conferences
Dirty utility	Cleaning/washing/waste		EN51	1	6	6			
Clean store	Clean linen and supplies		EN51	1	6	6			
Equipment store	mobile equipment		EN51	1	6	6			
Changing, staff, male	Male staff changing + shower/ wc		EN46	1	15	15			
Changing, staff, female	Male staff changing + shower/ wc		EN46	1	15	15			
Toilet, patient	Toilet for male patients		EN50	3	3	9			
Shower, patient	Shower for male patients		EN51	2	3	6			
Toilet, patient	Toilet for female patients		EN50	2	3	6			
Shower, patient	Shower for female patients		EN51	2	3	6			
Assisted Bath	For patient with disabilities			1	12	12			Hoist to be installed
Cleaners room	Cleaning equipment + cleaners trolley		EN51	1	4	4			
4-bed isolation ward	post-operative - special ward for Buruli Ulcer patients			1	30	30			isolation is required due to high tendency for infection
Circulation	Corridors/walls/ext. Covered areas		EN51			388	30%	504.4	

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Accommodation	Services to be performed	Staff attachment	Eq. Pack Norm No.	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Medical Ward (24 Beds)	Female & Male								
4 Bed Ward	Male ward		EN51	2	32	64			
1 Bed Ward ensuite	Male ward - single bed ward		EN51	1	16	16			
4 Bed Ward	Female ward		EN51	2	32	64			
1 Bed Ward ensuite	Female ward - single bed ward		EN51	1	16	16			
2-bed isolation ward	quiet room			2	15	30			1 each for male and female
Nurse station	Nurse / staff/ office		EN51	1	15	15			
Reception	visitors waiting			1	12	12			
Dayroom	Patient/ visitors lounge and social area			2	20	40			with TV and comfort seats, use of artwork and colour desirable
Medications	Pharmaceuticals, medicine cabinets, fridges, instruments trolley		EN51	1	6	6			
Staff Restroom	Restroom for Nurses		EN51	1	20	20			also to be used for ward conferences
Dirty utility	Cleaning/washing/waste		EN51	1	6	6			
Clean store	Clean linen and supplies		EN51	1	6	6			
Equipment store	mobile equipment		EN51	1	6	6			
Changing, staff, male	Male staff changing + shower/ wc		EN46	1	15	15			
Changing, staff, female	Male staff changing + shower/ wc		EN46	1	15	15			
Toilet, patient	Toilet for male patients		EN50	3	3	9			
Shower, patient	Shower for male patients		EN51	2	3	6			
Toilet, patient	Toilet for female patients		EN50	2	3	6			
Shower, patient	Shower for female patients		EN51	2	3	6			
Assisted Bath	For patient with disabilities			1	12	12			Hoist to be installed
2-bed isolation ward	pre-operative - special ward for Buruli Ulcer patients			1	15	15			isolation is required due to high tendency for infection
Cleaners room	Cleaning equipment + cleaners trolley		EN51	1	4	4			
Circulation	Corridors/walls/ext. Covered areas		EN51			389	30%	505.7	

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Accommodation	Services to be performed	Staff attachment	Eq. Pack Norm No.	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments	
Pediatric Ward (36 Beds)	Female & Male									
6 Bed Ward	Male ward		EN51	2	40	80				
4 Bed Ward	Male ward		EN51	1	26	26				
6 Bed Ward	Female ward		EN51	2	40	80				
4 Bed Ward	Female ward		EN51	1	26	26				
2-bed isolation ward	quiet room			1	15	15			1 each for male and female	
Nurse station	Nurse / staff/ office		EN51	1	15	15				
Reception	visitors waiting			1	12	12				
Dayroom	Patient/ visitors lounge and social area			2	20	40			with TV and comfort seats, use of artwork and colour desirable	
Medications	Pharmaceuticals, medicine cabinets, fridges, instruments trolley		EN51	1	6	6				
Staff Restroom	Restroom for Nurses		EN51	1	20	20			also to be used for ward conferences	
Dirty utility	Cleaning/washing/waste		EN51	1	6	6				
Clean store	Clean linen and supplies		EN51	1	6	6				
Equipment store	mobile equipment		EN51	1	6	6				
Changing, staff, male	Male staff changing + shower/ wc		EN46	1	15	15				
Changing, staff, female	Male staff changing + shower/ wc		EN46	1	15	15				
Toilet, patient	Toilet for male patients		EN50	3	3	9				
Shower, patient	Shower for male patients		EN51	2	3	6				
Toilet, patient	Toilet for female patients		EN50	2	3	6				
Shower, patient	Shower for female patients		EN51	2	3	6				
Assisted Bath	For patient with disabilities			1	12	12			Hoist to be installed	
2-bed isolation ward	pre-operative - special ward for Buruli Ulcer patients			1	15	15			isolation is required due to high tendency for infection	
Cleaners room	Cleaning equipment + cleaners trolley		EN51	1	4	4				
Circulation	Corridors/walls/ext. Covered areas		EN51			346	30%	449.8		
Psychiatric Department (0 beds)										
Circulation	Corridors/walls/ext. Covered areas		EN51			0	30%	0		
Chest Ward (0 beds)										
Circulation	Corridors/walls/ext. Covered areas		EN51			0	30%	0		
Orthopedic Ward (0 Beds)	Female & Male									
Circulation	Corridors/walls/ext. Covered areas		EN51			0	30%	0		

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Accommodation	Services to be performed	Staff attachment	Eq. Pack Norm No.	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Kitchen									
Staff canteen	Dining area for staff	(50 staff)	EN55	1	60	60			
Servery	staff meal service		EN55	2	10	20			
Pantry	trolley and food holding and wash up		EN55	1	20	20			
male + female toilets	toilets		EN55	1	15	15			
Catering office	Office for Chief and nutritionist/Catering Officer		EN55	1	15	15			
Cooking area	Cooking of food		EN55	6	25	150			
Preparation area	Preparation of food - 3 bays		EN55	3	12	36			
Vegetable store	Store for vegetables		EN55	1	12	12			
Dry store	Store for dry food		EN55	1	12	12			
Cold store	Store for cold food		EN55	1	12	12			
Dish wash area	Cleaning dishes - 2 bays		EN55	2	15	30			include cart wash outdoor
Trolleys, meal plating	Store for trolleys/ food warmers		EN55	1	20	20			
Outdoor Cooking Area	Cooking of food		EN55	1	30	30			
General store	Store for kitchen utilities, linen		EN55	2	12	24			
Cleaners room	Cleaning equip + cleaners trolley		EN55	1	4	4			
Staff facility	Male changing - toilet + shower		EN55	1	15	15			
Staff facility	Female changing - toilet + shower		EN55	1	15	15			
Circulation	Corridors/walls.ext. Covered areas		EN55			490	30%	637	
Laundry									
Dirty Linen/ receiving bay	Store for dirty linen, reception		EN56	1	15	15			
Foul Linen	Foul and Soiled linen receiving bay/ prewash & sterilisation		EN56	1	15	15			
Receiving /Packaging	Room for packaging		EN56	1	15	15			
Office	administrative, clerical		EN56	2	15	30			
Washing area	Cleaning of dirty linen - space for machine + hand wash		EN56	1	40	40			*include water softner equip for washers
Drying	Drying of clean linen		EN56	1	15	15			* consider outdoor drying as well
Ironing	Drying of clean linen and ironing		EN56	1	25	25			*ventilation is very important due to additional heat from equipment
Linen store - delivery	clean linen storage		EN56	1	20	20			
Tailor / repair	Repair of Linen		EN56	1	15	15			
General store	Store for extra linen, equipment, detergent, etc.		EN56	3	10	30			
Staff Restroom	Restroom for Nurses		EN51	1	20	20			
Staff facility M+F	Staff toilet, shower and changing		EN56	2	12	24			
Circulation	Corridors/walls/ext. Covered corrid.					264	30%	343.2	

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Central Sterialization									
Receiving /Packaging	Room for packaging		EN56	1	15	15			
Cart Wash	Trolleys		EN56	1	6	6			
Cleaning / sorting	Preparation/ washing		EN57	1	25	25			
Packing/ autoclaves	Sterilising of equipment		EN57	1	30	30			
Issuing store/bay	Room for Issuing bay		EN57	1	15	15			
Trolley Bay	Clean trolleys		EN57	1	15	15			
Office	Supervisor		EN57	1	15	15			
Sterile store	Store		EN57	1	20	20			
Staff facility	Toilet for staff		EN57	2	2	4			male / female
Staff changing	Staff changing + shower		EN57	2	6	12			male / female
Cleaning room	Cleaning equip + cleaners trolley		EN57	1	6	6			
Circulation	Corridors/walls/ext. Covered areas		EN57			163	30%	211.9	
Workshop									
Working area	Workshop for metal / woodworks etc.		EN58	1	20	20			
Working area	Vehicle repair shop		EN58	1	20	20			
Outdoor covered workyard	Workshop for metal/ woodworks etc/		EN58	1	30	30			
Covered store area	Material store		EN58	1	20	20			
Office	Engineer		EN58	1	12	12			
Office	Estates maintenance		EN58	1	12	12			
Janitors	Janitors		EN59	1	12	12			
Staff area	Preventive maintenance staff		EN58	1	15	15			
Maintenance Office	administrative office		EN58	1	15	15			
Staff facility	Toilet for staff		EN58	2	4	8			
Staff changing	Staff changing + shower		EN58	1	8	8			
Circulation	Corridors-covered/walls/ext.		EN58			172	30%	223.6	
Central Hospital Stores									
Pharmaceuticals	drugs, medicines etc		EN58	1	30	30			
Linen/ Dressings etc	Equipment workshop		EN58	1	20	20			
Equipment and tools	Workshop for metal/ woodworks etc/		EN58	1	30	30			
Stationery	office consumables		EN58	1	30	30			
Covered store area	Material store		EN58	1	20	20			
Bulk Breaking	Unpacking including pallet equipment		EN58	1	40	40			
Staff area	sorters/ handlers		EN58	1	15	15			
General Store	Store for equipment etc.		EN58	3	6	10			
Unserviceable Items	Store for broken down equipment etc.		EN58	1	20	20			
Staff Restroom	Restroom for Nurses		EN51	1	20	20			
Staff facility	Toilet for staff		EN58	2	4	8			
Staff changing	Staff changing + shower		EN58	1	8	8			
Circulation	Corridors-covered/walls/ext.		EN58			251	30%	326.3	

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Accommodation	Services to be performed	Staff attachment	Eq. Pack Norm No.	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Technical Installation									
Electrical room	Transformer/switchgear		EN59	1	6	6			
Generator room	Standby generator room		EN59	1	10	10			
Secured covered gas store	Bottle store		EN59	1	10	10			
Water treatment plant	Water plant		EN59	1	10	10			
Water booster pump	Water plant		EN59	1	10	10			
Ground water tank	Water storage		EN59	1	10	10			
Waste handling area	Intermediate waste storage		EN59	1	15	15			
Incinerator	Waste disposal plant		EN59	1	10	10			
Stabilizers	Room for storing stabilizers		EN59	1	15	15			
Circulation	Corridors-covered/walls/ext.		EN58			96	20%	115.2	
Mortuary									
Reception	entrance lobby, receiving, records		EN60	1	20	20			
Autopsy room	Doctors examination		EN60	1	20	20			
Medical Gas Stores	Store for Medical Gas		EN60	1	20	20			
Body store	Store chilled, 72 pack		EN60	1	100	100			
Trolley bay	Parking of stretchers		EN60	1	6	6			
Viewing room	Waiting area for family		EN60	1	20	20			
Waiting area - outdoor	Waiting area for family		EN60	1	30	30			covered area
Body wash	thawing, Washing, preparation,			1	12	12			
Office for the Pathologist	Pathologists Office		EN60	1	12	12			
Staff changing room	Staffing changing + shower		EN60	1	8	8			
Staff Toilet	Toilet for staff		EN60	1	5	5			
Public Toilet	Toilet for M+F		EN60	2	5	10			
Ordelies	waiting area			1	10	10			
Cleaners room	Cleaning equipment + Cleaners trolley		EN60	1	8	8			
Circulation	Corridors/walls/ext. Covered areas		EN60			281	30%	365.3	
Physiotherapy Department									
Entrance/ Reception	Nurses station/ patient receiving/ registration		EN61	1	20	20			
Physiotherapists office	examination/ counselling		EN61	2	20	40			
Physio Nurse office	counselling		EN61	1	12	12			
Staff Room	relaxation/ coffee & tea room/ kitchenette		EN61	1	12	12			
Gym room	Exercise room		EN61	1	60	60			
Workshop	Preparation of aid equipment		EN61	1	15	15			
Therapy room	Different treatment/massage/electrotherapy/ etc.		EN61	6	10	60			
Hydrotherapy room	Different treatment regimes in pool etc.		EN61	1	80	80			
Changing room	Staff change		EN61	2	15	30			
Shower Patients	Patients shower/ lockers		EN61	4	8	32			
Shower, staff	Staff shower		EN61	2	5	10			
Office	Physiotherapist		EN61	1	8	8			
Store	Store/linen, medical consumables, mobile equipment, stationery etc)		EN61	2	10	20			

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Accommodation	Services to be performed	Staff attachment	Eq. Pack Norm No.	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Toilet, Staff	Toilet for staff		EN61	1	2	2			
Toilet, handicap	Toilet for handicapped patients		EN61	1	3	3			
Outside training	Exercise room		EN61	1	30	30			
Circulation	Corridors-covered/walls		EN61			434	30%	564.2	
Total Area of Hospital Departments								11220.2	
Main and sub hospital street and Aprons	general circulation						25%		
								14025.19	Minimum space requirements
HOSPITAL DESIGN FACTOR							1.25	17531.48	Limit of Allowable Clinical Floor Area

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Accommodation	Services to be performed	Staff attached	Eq. Pack Norm No.	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Staff Accommodation	4 units								
(Snr staff accommodation unit)	Three (3) Bedroom Bungalows			4					
Porch	Entrance			1	6	6			
Lounge	Living/dining			1	30	30			
Master Bedroom ensuite	with 1 bed w. wc + bath			1	18	18			
Bedroom	with 2 beds			2	12	24			
Kitchen	cooking/washing			1	12	12			
Toilet	toilet and shower			1	6	6			
Store	General store			1	4	4			
Laundry area	Cloth & linen wash			1	3	3			
Carport	single car			1	18	18			
Borehole fitted with Pump				1	0	0			
Circulation	Corridors-covered/walls					121	25%	605	
Staff Accommodation	8 units								
(Jr. Staff accommodation unit)				8					
Porch	Entrance			1	10	10			
Lounge	Living/dining			1	24	24			
Bedroom	With 2 beds			2	12	24			
Kitchen	Cooking/washing			1	8	8			
Toilet	Toilet and shower			1	6	6			
Store	General store			1	2	2			
Laundry area	Cloth & linen wash			1	3	3			
Carport	.			1	0	0			
Borehole with pump				1	0	0			
Circulation	Corridors-covered/walls					77	25%	770	
12 units Staff Accomodation								1375	
TOTAL AREA OF PROPOSED HOSPITAL								18906.5	

