

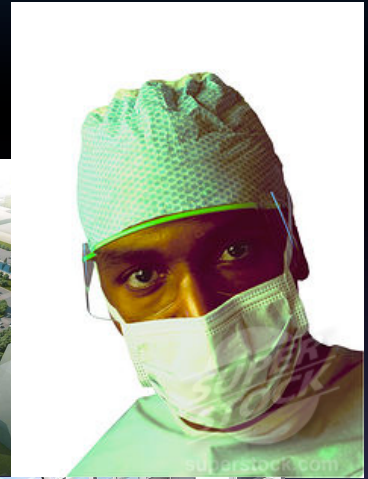
JUNE | 2011

GHANA HEALTH SERVICE

Schedule of Accommodation

Proposed 600 bed hospital for RIDGE HOSPITAL ACCRA (GT. ACCRA REGIONAL HOSPITAL)

MOH – GHS



The Ridge Hospital

Greater Accra Regional Hospital



1 **Overall design philosophy**

To create an environment which:

supports facilities for modern 21st century healthcare delivery
has a civic presence
promotes ownership by the catchment population.
promotes a sense of well being
provides a supportive environment
has familiarity and a connection to the site/locality
tailored to catchment population

2 **Customer focus philosophy (generic)**

To have an environment that:

Facilitates a connection to staff and caregivers

(so patients can access staff at all times – call systems, layout design to optimise observation of staff and caregivers, also to optimise communication – layout and adjacencies considered)

Is conducive to a sense of well being

Temperature, lighting, furniture, relaxation, reducing stress, positive distractions, removing negative distractions (blood). Facilitates healing. Noise, control over environment (lights, temperature, ability to get around), comfort and quality of distractions – music, art, comfortable beds. Long term care – remind people of home, socialisation, recreation and a sense of security.

Is convenient and accessible

Access, proximity, visual cues, signage, wayfinding, barriers to ambulation and mobility. Emergency escape.

Promotes confidentiality and privacy

Dignity, audio and visual privacy, quiet areas (internal and external), sensitivity of handling of medical records and discussion. Private bathrooms – ensuite over multiple use and mixed sex.

Is caring of the family

Designing with children in mind for a non-paediatric area, extra seating for family members in consulting rooms. Visitor rooms, chapels etc. Telephones, bathrooms, food for relatives, facilities for relatives to feed/prepare patient, facilitating shared meals and other shared experiences. Relative overnight stay.

Is considerate of impairments

Including temporary impairments. Equipment and signage sensitive to patient special needs. Comfort of beds. Surfaces – consider glare, non-slip. Short distances/ routes travelled.

Is close to nature and the outside world

Windows, sill heights, fresh air. Access to outside areas. Indoor/ outdoor gardens. Atria, court yards. Appeal to the senses.

3 Generics

Signage
Colour coding
Disability Discrimination Act – Compliant throughout
Meet statutory requirements
Maximum use of natural light
Maximum use of natural ventilation
Noise levels to be appropriately controlled
All wall surfaces to be washable
All infection control procedures and requirements adhered to
Use art to enhance the patient environment
Window viz views and visibility
Flooring – no glare/compliant
Clear pathways, no obstructions (adequate storage)
Clear meeting point/person in all locations
Security
Solar gain / energy efficiency
Colour
Light, airy spacious
Quality of finishes
Integrated arts
Consideration for noise attenuation

4 External – access, parking, security, landscaping

Good access – all transport, showers for cyclists
Signage – on/off site
Designated parking for disabled, parent and child
Security – appropriate lighting, appropriately located displays
Clear separate routes for ambulances, deliveries, patient parking
Landscaping, courtyards, gardens – enhance vision aspect of car park and consider for security
Access – multi modal hub
Accent, prominent entrance
Covered drop off
Local disabled parking facilities
Signposting to reinforce intuitive wayfinding
External seating with a no. of different environments with privacy – use of water and artworks. Litterbins and provision for smokers

5 Entrances

Staffed entrance
Security
Desk – secure for staff
Appropriate retail – catering/24 hour vending/ café with terrace
Discharge lounge/transport
Social Worker/ Patient Advice and Information centre
Toilets
Maintain good/ comfortable ambient temperature
Easily identifiable/accessible - wheelchairs available
Mainstream entrance – 1 for all
Seating – consideration for privacy and all ages
Reception facilities - Telephone, Refreshments/ Water dispenser, TV, Newspaper
Consideration of maximising natural light
Provide an internal and external space with linkage

6 Waiting areas

Sufficient seating / adequate design for different needs – elderly, children
Disabled, wheelchair area part of waiting not “add on”
Children’s area
Drinking water available
Information/TV/customer info
Patient call – bleep, nos etc
External view
Secure access to courtyard (secure area to stop being wandering off)
Toilets

7 Internal:Public space, corridors

Intuitive wayfinding with landmark enhancements
Facilities for all patient/material movements ie occasional seating, wheelchair parks etc
Consideration to use of daylight and caution to reduce solar heat gain
Viewing areas with seating of internal courtyards/gardens from upper levels
Mainstream routes – doors and access

8 Bedded areas

Minimum 10% single rooms/en suite
Combination of multi-bed bays(2 & 4 bed). Maximum 6 bed bays
All beds to have external landscaped view to promote healing
Patient control of environment – lighting, ventilation, fans in every ward
Privacy screening – curtains (double side printing), shutters
Space for patients to eat and socialise away from the bed – single sex
Individual medicine locker only for single bed/ special rooms
Personal effects storage
Patient power – entertainment systems
Overall storage
Single gender
Relative overnight facilities
Multi faith room/chapel
Bereavement room

Internal: Departments

9 Accent entrance with unique enhancements
Consideration given to security and access whether open or locked
Personal contact at entrance
Maximise appropriate views ie height of sills, orientation, access to external space, courtyards, balconies and gardens
Privacy and dignity within depts from corridors and public routes incl. noise Provision for relatives and families
Provision for patient/user control of environments – light and ventilation
Adequate storage

10 Clinical areas

Patient privacy dignity
Generic rooms – multi booking

General – parking, entrance, reception, wards, waiting, corridors, day rooms, children, special needs

Access/convenience
Privacy/confidentiality/dignity
Access to nature
Family involvement
Sense of well being
Link to staff/information

Colour – role in access, wayfinding, ambience
Light – role of daylight, blue light effects, no runway lighting in corridors or overhead in beds
Senses – issue of touch, use of elements of texture
Security – should be considered as an element in everything
Art – role of in patient enhancement, wayfinding
Cultural issues – age, sex, ethnicity
Gardens
Views
Family
Patient and relative information
Overall layout – design is laid out so that it's easy to find your way around
Stopping points – to view, to meet, to wait

Using gardens and landscape features to
1. enhance users orientation in the building and
2. provide access to open spaces

A design which enables visual, verbal and other communication between staff and patients.

GHANA HOSPITALS PROJECT - BED DISTRIBUTION				
600 BEDS				
Pediatric	72	Pediatric Ward (72 Beds)		
Medical	100	Medical Ward (25 Beds) x 4		
Surgical	140	post surgery recovery - 10 beds	recovery, patient rest area - 4beds	Surgical Ward - 1 (50 Beds)
		Surgical Ward - 2 (76 Beds)		
Orthopedic & Trauma	50	Orthopedic and Trauma Ward (50 Beds)		
ICU + HDU	16	ICU + HDU (16 beds)		
Emergency Beds	71	post ophthalmic surgery recovery - 6beds pediatric emergency 15 beds intensive care/ critical care - TICU - 6 beds	post dental surgery recovery - 6beds Medical emergency - 12 beds	post surgery recovery - 6beds O&G Emergency - 20 beds
Obs & Gynaecology	56	O&G post operative ward - 6beds	Obs & Gynae Ward (50-beds)	
Delivery Suite + lying-in	120	Delivery Suite (100 bed lying-in + 20 bed HDU)		
Burns	20	BURNS UNIT (20 beds)		
	<i>total</i>	645		

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Hospital Access							
Public gate	Public entrance/pedestrian/vehicle	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	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						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	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	1	6	6			
		4		55	20%	66	
Administration							
Reception/ Waiting	entrance hall for receiving and screening visitors	1	30	30			hold about 20 visitors
Hospital Director	Office for Medical Director/ Chief Administrator of Hospital	1	30	30			room to accommodate visitors and small meetings of up to 6 persons + private wc
Hospital Administrator	Office for Hospital Administrator	1	25	25			room to accommodate visitors and small meetings of up to 6 persons + private wc
Medical Administration	Offices for head of clinical services, HRM, etc	4	18	72			room to accommodate visitors and small meetings of up to 6 persons + private wc
Nursing Administration	Office for Nursing Administration	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	20	40			work area + separate room to accommodate visitors of up to 6 persons
Secretariat	General secretarial and administrative tasks	1	18	18			
Finance Manager	Office for Finance Manager	1	15	15			
Accounts office	Office for accounting	1	30	30			
General Office	Clerical Office	2	18	36			
IT Administrator	Server room w/ personnel for support	5	12	60			offices/ workshop/ server room; to be fully airconditioned
Filing Room	Files room w/ personnel support	1	12	12			
Hospital Social Worker	Office for Hospital social workers	3	20	60			file cabinets, desks + chairs
Bereavement Rooms	counselling and consolation support	3	20	60			
Staff Library	reference library - 30 seats	1	60	60			study carrels, bookshelves, carpeted etc
Conference room	staff conference - 100 persons	1	120	120			projector with screen, comfortable upholstered chairs, theatre style seating
Demonstration/ Training room	staff training - 50 persons	1	75	75			projector with screen, comfortable upholstered chairs with writing tops may be partitioned into 2 rooms
Demonstration/ Training room	staff training - 20 persons	2	30	60			projector with screen, comfortable upholstered chairs with writing tops and internet connectivity and smart board
Pantry	support to staff conference and Training areas	1	12	12			
Store	storage of stationery etc	2	8	16			
Toilet, staff	Toilet for male + female staff	2	9	18			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Toilet, public/ visitors	Toilet for visitors (male + female)	2	9	18			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Cleaners room	Cleaning equipment + cleaners trolley	1	6	6			
Circulation	Corridors/walls/ext. Covered areas			546	30%	709.8	
		41					

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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	8	12	96			
Cold Chain	Cold chain equipment package	1	15	15			usually will have storage fridges for vaccines etc
Regional Cold Store	medicines and vaccines	1	60	60			usually will have storage fridges for vaccines etc
Waiting Area	For Public Health Clinic	1	80	80			
Research Unit	offices	4	15	60			
Library	to support research	1	30	30			computers with internet connectivity
Records	files/media storage	1	20	20			cabinets, filing system
Biostatistics	Health Information Systems Office	1	15	20			
Biostatistics Data clerks	Health Information Systems Office	1	20	20			
Storage	medicines, chemicals, tools, consumables	1	10	10			
STI/ HIV/ VCT/ ART unit	Examination/ Testing and counseling/ waiting area, patients WC, data room, stores	1	120	120			to be designed as one unit;
Diabetic Centre	Counseling Treatment	2	25	50			
Environmental Health Officer	Office for the Environmental Health Officer	1	12	12			
PMTCT	prevention of mother to child transmission	2	12	24			include secretariat and sub waiting
Offices	Head of Dept, Senior Nursing officer	2	12	24			
Clean store	Store for clean, medical items	1	12	12			
General store	Store for general storage and cold chain	1	10	10			shared facilities
Staff room	Staff room for rest and tea	1	20	20			shared facilities
Drivers area	Drivers resting/ stand-by area	3	10	30			shared facilities (alternatively may be located at hospital ent or A+E)
Cleaners room	changing facilities + clothes lockers	2	8	16			shared facilities (male + female)
Cleaners Equipment Storage	Cleaning equipment + cleaners trolley	1	12	12			shared facilities
toilet, visitors	Female toilet	1	20	20			provision to cater for disabled, min. 4no. wc per each
toilet, visitors	Male Toilet	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	1	15	15			provision to cater for disabled, min. 2no. wc per each, incl urinal for males
Toilet, staff, male	Male toilet	1	9	9			provision to cater for disabled, min. 2no. wc per each, incl urinal for males
Changing, staff, female	Female staff changing + toilet	1	20	20			provision to cater for disabled, min. 2no. wc per each
Toilet, staff, female	Female toilet	1	9	9			provision to cater for disabled, min. 2no. wc per each
Circulation	Corridors/walls/ext. Covered areas			894	30%	1162.2	

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EMERGENCY MEDICINE - Outpatient Dept.	Shared Facilities						
Hospital Entrance							
Information/ Enquiries/ wheelchair	information desk/ beverage + snack dispensers	1	40	40			to be located close to or in OPD complex
Lobby	Entrance/distribution social meeting point	1	80	80			to be located close to or in OPD complex
Cafeteria	food and beverages	1	250	250			including server and pantry, drink dispensers etc.
Pabx	Pabx - telephone exchange/ public phone	1	20	20			public booth area - to be located close to or in OPD complex
Technical Room	Building Management System	1	20	20			to be located near security at entrance
Revenue collection	Cashier - payment for treatment	1	10	10			near entrance / records/ consulting
NHIS office	Office for NHIS activities. Coordination of Billing, Registration/ issuance of IDs	2	12	24			National Health Insurance Scheme schedule officer
Waiting Area (120 persons seated)	patient waiting to be screened or see doctors	1	100	100			to be airy, well-ventilated and well lighted
Registration	Patient registration and billing	2	15	30			provision for computerised data entry on 4 workstations
Record + files (active)	Patients records	1	60	60			storage for folders, provide rack system + IT assisted cataloguing/ retrieval
Record + files (archive)	Patients records/archive	1	30	30			storage for folders, provide rack system + IT assisted cataloguing/ retrieval
Nurses station	staff base, administrative	2	15	30			locate close to records/ registration area
Screening room	examination, patient screening, history taking, temp, weight, height etc.	4	16	64			locate close to records/ registration area
Clinical nurses	Offices for Nursing Administration	2	16	32			locate close to records/ registration area
Head Nurse	Office for Senior Nursing officer	1	12	12			locate close to records/ registration area
Observation room / recovery	Max. 6-8 hours observation (m+f) with 6 beds each	2	48	96			separate male and female
Store	medications storage, instruments and linen	1	15	15			
Staff room	Staff room for rest and tea	2	20	40			shared facilities
Consulting Rooms	Specialised consultation/ examination room	0	16	0			indicated under specialities
Injection room	Injection	1	10	10			
Dressing room	Dressing	1	10	10			
Changing, staff, male	Male staff changing + shower	8	15	120			provision to cater for disabled, min. 2no. sho+2no. wc per each with lockers. maybe provided as shared facilities among departments
Changing, staff, female	Female staff changing + toilet	8	20	160			provision to cater for disabled, min. 2no. sho+2no. wc per each with lockers. maybe provided as shared facilities among departments
Toilet, staff	males + female toilet for staff	8	9	72			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males - provide close to entrance
toilet, visitors	Female toilet	8	20	160			provision to cater for disabled, min. 4no. wc may be provided as shared facilities among departments
toilet, visitors	Male Toilet	8	20	160			provision to cater for disabled, min. 4no. wc incl urinal for males. may be provided as shared facilities among departments
Wheelchair Toilet, male/ female	Toilet for visitors/patients	4	6	24			provide min. 1no. wc close to entrance
Cleaners room	changing facilities + clothes lockers	4	8	32			shared facilities among depts. (male + female)
Cleaners Equipment Storage	Cleaning equipment + cleaners trolley	2	8	16			shared facilities
OPHTHALMOLOGY - Ophthalmology Reception	patient waiting	1	25	25			
Screening room	Examination	1	12	12			
Tonometry	Examination	1	12	12			
Visual Fields room	Examination	1	12	12			
Optometry	Examination	2	12	24			
Keratometry	Examination	1	12	12			
Fundus Photo room	Examination	1	12	12			

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Optical Shop	display and sale of eye wear	1	30	30			
Technical Work area	visual acuity	1	30	30			
Laser Room	Examination/ Treatment	1	15	15			
Clean utility	clean supplies, linen etc.	1	12	12			
Dirty utility	Cleaning/ washing/ waste	1	12	12			
Equipment store	mobile x-ray etc.	1	6	6			to be located at OPD
Store	Drug store	1	15	15			
wheelchair alcove	storage, holding bay	1	2	2			
Injection room	Injection	1	10	10			
Offices	Optician, Optometrist, Ophthalmologist, Head Nurse	4	12	48			
Consulting Room - Eye Clinic (Ophthalmology)	Examination/ Treatment, & waiting	4	10	40			including one for pediatric cases
Theatre	surgical interventions	1	60	60			including scrubs, patient prep, etc.
Recovery Room (6-beds)	post ophthalmic surgery recovery - 6beds	1	48	48			
Wards (10-beds)							see provision under surgical ward

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ENT (Otorhinolaryngology)							
Reception Area	waiting (20 persons)	1	20	20			
Consulting Rooms	Examination/ Treatment	2	15	30			
Screening room		1	12	12			
Wards (12-beds)		1	96	96			see provision under surgical ward
offices	doctors, head nurse, administrative	2	12	24			
Clean utility	clean supplies, linen etc.	1	12	12			
Dirty utility	Cleaning/ washing/ waste	1	12	12			
Store	Store for items, equipment, consumables	2	10	20			
DENTAL SURGERY - Dental Reception							
Dental Consulting/ Surgery	waiting (30 persons)	1	25	25			separate area required for children furnished with toys
Dental Consulting/ Surgery	Examination & Treatment, & waiting	6	25	150			dental chair, autoclaves, digital x-ray, monitor, cabinets with dental instruments
Dental laboratory	Store, minor workshop, denture, crowns and bridge fabrication	1	24	24			partitioned with storage unit + orthodontic equipment
X-ray Room	dental x-ray	1	24	24			OPG Machine with automatic electronic developer
Dentists Office	Administrative office for chief dentist	6	10	60			
Theatre	for maxillofacial	1	36	36			Add all support rooms e.g. scrub, changing room, patient preparation etc.
Recovery Room (6-beds)	post dental surgery recovery - 6beds	1	48	48			
Dispensary	Dispensing Unit	1	15	15			
Library	study + research area	1	15	15			computers and internet connectivity
Clean utility	clean supplies, linen etc.	1	12	12			
Dirty utility	Cleaning/ washing/ waste	1	12	12			
Meeting room	departmental meeting etc., (10 persons capacity)	1	15	15			
General Surgery							
Surgical Emergency Reception	waiting (10 persons)	1	12	12			
Consulting Rooms	Examination	4	12	48			
Minor Theatre	gastroscopy, endourology etc.	1	24	24			
Treatment room	sutures	2	24	48			shared with trauma
Recovery Room (6-beds)	post surgery recovery - 6beds	1	48	48			
Clean utility	clean supplies, linen etc.	1	12	12			
Offices	doctors, head nurse, administrative	2	12	24			
Dirty utility	Cleaning/ washing/ waste	1	12	12			
Pharmacy/ Dispensary	dispensing	1	30	30			

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Pediatric Emergency							
Waiting Area	30 persons	1	30	30			
Play area		1	30	30			play area
consulting rooms	Examination/ Treatment	4	12	48			
Rehabilitation Room	counseling	3	12	36			around play area
offices	doctors, head nurse, administrative	2	12	24			
Clean utility	clean supplies, linen etc.	1	12	12			
Dirty utility	Cleaning/ washing/ waste	1	12	12			
Wards (15-beds)	pediatric emergency 15 beds	1	120	120			5 beds for under 5yrs; 10 beds for above 5 yrs.
Pharmacy Unit	dispensing Unit	1	24	24			
Medicine							
Reception/ Waiting area	30 persons	1	30	30			
Consulting Rooms		6	12	72			
Bleeding room	sample taking	1	12	12			
medications store	dispensing unit	1	12	12			
store	general items, equipment	2	8	16			
offices	doctors, head nurse, administrative	2	12	24			
Clean utility	clean supplies, linen etc.	1	12	12			
Dirty utility	Cleaning/ washing/ waste	1	12	12			
Wards (12-beds) ICU	Medical emergency - 12 beds	1	144	144			includes provision for 6 beds Coronary Care Unit and 6beds ICU
OBS & GYNAE							
Reception/ Waiting area	30 persons	1	30	30			
Consulting Rooms	Examination	4	12	48			
Minor Theatre	MVA room	1	24	24			
medications store	dispensing unit	1	12	12			
store	general items, equipment	2	8	16			
offices	doctors, head nurse, administrative	2	12	24			
Clean utility	clean supplies, linen etc.	1	12	12			
Dirty utility	Cleaning/ washing/ waste	1	12	12			
Wards (20-beds)	O&G Emergency - 20 beds	1	160	160			provided in 4-bed clusters
Antenatal and Post Natal Clinics	RCH	1	0	0			see maternity outpatients
Circulation	Corridors/walls/ext. Covered areas			4082	30%	5306.6	
		199					

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Accident & Emergency Department	Orthopedic and Trauma						
Nurse station	Nurse/staff/office/registration	1	20	20			provide one each at main entrance and recovery area
Entrance hall/ Patients Lounge	Waiting/ case sorting	1	100	100			usually with stretchers and to enable sorting of large volumes of patients especially from road/ motor accidents
Visitors Lounge	Waiting	1	50	50			patient relatives waiting, near access to patients from ward
Triage Ward	temporary hold for patients on emergency/ screening/ resuscitation	1	90	90			12 beds in open area
Records Room	patient records store	1	20	20			records trolleys to be provided
Resuscitation / preparation	1st aid/ injuries	4	12	48			provide in groups of 1-bed as minimum requirement
Examination cubicles	examination/ Treatment room	4	12	48			provide in groups of 1-bed as minimum requirement
Emergency Consulting Room	Consulting/ Examination	2	16	32			
Doctors Office	Office for Doctors, radiologist, surgeons, anesthetist/ anesthesiologist	6	16	96			
Main Theatre	major surgeries	2	36	72			septic and aseptic
Minor theatre	Minor surgery, suturing	2	30	60			septic and aseptic
Orthopedic Theatre	orthopedics	2	36	72			septic and aseptic
Doctors scrub up	Preparation	2	6	12			
Plaster room	Dressing, cast preparation, Wound Dressing	1	16	16			
Observation room / recovery	post operative holding area	2	32	64			
Sterilizing room	Sterilization, autoclaves	1	10	10			
Medication store	medicines, pharmaceuticals and consumables	1	10	10			
Mobile Equipment	holding of x-ray etc.	2	4	8			provide one each for equipment storage and another for consumables
CT Scan	diagnostics, examination, scanning	1	30	30			
X-ray	diagnostics, examination, scanning, patient changing, console room	1	30				
Trauma ICU (6-bed/ stations)	intensive care/ critical care - TICU - 6 beds	1	72	72			
Dirty utility	Cleaning/washing, Waste	1	12	12			
Clean Store	Store	1	15	15			
Staff Restroom	Staff room for rest and tea	1	20	20			
On-call staff suite	overnight staff accommodation	1	120	120			
Toilet, patient	Toilet for patients	1	5	5			
Toilet, staff	Staff toilet for duty staff	1	5	5			
Changing, staff, male	Male staff changing + shower	1	15	15			
Changing, staff, female	Female staff changing + shower	1	15	15			
Temporary Morgue	temporary holding bay for dead bodies	1	5	5			*conditions to be confirmed e.g. cold storage facilities?
Cleaner's closet	orderlies, cleaning equipment, etc.	1	12	12			
Circulation	Corridors/walls. Ext. Covered areas			1154	30%	1500.2	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Diagnostic - Imaging Department							
Waiting	Registration	1	40	40			
Nurse Station	reception/ screening/ records	1	20	20			
Consulting room	patient interview	1	15	15			
Radiology	diagnostics, examination, scanning, patient changing, console room	2	36	72			digital x-ray equipment
Fluoroscopy	diagnostics, examination, scanning, patient changing, console room	2	36	72			digital equipment, one with angiography capability
CT Scan	diagnostics, examination, scanning	1	36	36			
CT Scan Control Room	consoles, viewing, monitoring	1	12	12			
Components room (CT)	UPS, air conditioners, electrical power panel, system component cabinets, etc.	1	15	15			
MRI	examination, scanning	1	45	45			
MRI Control Room	consoles, viewing, monitoring	1	12	12			
Components room (MRI)	UPS, air conditioners, electrical power panel, system component cabinets, etc.	1	15	15			
PET Scan	examination, scanning	1	40	40			
Pet Scan Control Room	consoles, viewing, monitoring	1	12	12			
Components room (PET Scan)	UPS, air conditioners, electrical power panel, system component cabinets, etc.	1	15	15			
Patient Preparation	changing, dress up	1	16	16			
Ultrasound scanning	Examination/scanning	3	16	48			
Mammography	Examination/scanning	1	16	16			
Computer Room	Operation of x-ray	2	3	6			
Dark room	Film processing	1	6	6			not necessary if digital equipment is used
X-ray office	X-ray physician w. viewing	1	10	10			
Radiologist	Office for the Radiologist	2	15	30			
Technologist Office	Office for Technologist	4	12	48			
Dirty Utility	Cleaning /washing waste	1	10	10			
Film Store	Store	1	10	10			
Equipment Store	mobile x-ray	1	10	10			space for 2 mobile x-ray machines
Staff Restroom	Staff room for rest and tea	1	20	20			
Toilet, patient	Toilet for patients	1	5	5			
Toilet, staff	Staff toilet for duty staff	1	5	5			
Changing, staff, male	Male staff changing + shower	1	15	15			
Changing, staff, female	Female staff changing + shower	1	15	15			
Cleaner's closet	orderlies, cleaning equipment, etc.	1	12	12			
Circulation	Corridors/walls/ext. Covered areas			703	30%	913.9	
		48					

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Pharmacy/Dispensary							
Waiting	Patient covered waiting area	1	100	100			
Revenue Collection	Cashier - payments for medicine	1	6	6			
Drug Requisition/ Inpatient Dispensing	Inpatient requisition / issuing	1	20	20			
Dispensary	outpatient issuing	1	30	30			
Counseling Room	outpatient dispensing	4	10	40			
Drug information Centre	resource persons	1	30	30			
Office	drug information center	1	12	12			
Work area	Preparation/ manufacturing	1	40	40			
Bulk Store	Drug store	2	40	80			
Day Store	Drug store	1	40	40			
Delivery Bay	Supplies in	1	10	10			
Store	temperature controlled storage	1	10	10			
Pharmacists Office	Toilet for staff	4	15	60			
Unpacking	Control of supplies	1	15	15			
Store	storage of stationery etc.	1	9	9			
Staff room	Staff room for rest and tea	1	15	15			shared facilities
Toilet, staff	Toilet for male + female staff	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)	1	12	12			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Cleaners room	Cleaning equipment + cleaners trolley	1	10	10			
Circulation	Corridors/walls/ext./ Covered areas			551	30%	716.3	
		26					

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Laboratory Medicine							
Reception/ Waiting	Registration/ report collection (for 40 patients)	1	35	35			to be close to revenue collection area
Clinical chemistry	Hematology - analysis(Biochemistry)	1	20	20			
Septic lab	Urine, Stool - Analysis(Parasitology)	1	20	20			
Microbiology	Analysis (bacteriology, serology, etc.)	1	20	20			
Virology	Analysis	1	20	20			
Histopathology	Analysis	1	20	20			
Laboratory Technologist	Office for Laboratory Technologist	1	12	12			
Revenue collection point	Revenue collection	1	15	15			can share same waiting area with registration area
Sample room	Samples, test	2	10	20			
Blood Bank	fridge storage units	1	10	10			
Blood Donor Organizer	Office for counseling & reporting	1	12	12			
Bleeding room	bleeding/ phlebotomy	1	24	24			3 bed
Reception	For Donors	1	12	12			
Refreshment/ rest room	For Donors	1	12	12			fitted with kitchenette facilities and soft lounge seating + TV etc.
Staff rest room	Resting and refreshing area for staff	1	12	12			fitted with kitchenette facilities and soft lounge seating + TV etc.
Laboratory Medicine	Grouping/test/screening/label.	1	15	15			
Clean utility	Clean items, supplies	1	6	6			
Blood Storage-Distribution	Cold storage w. alarm syst./issuing	1	8	8			
Dirty utility	Cleaning/washing/waste	1	6	6			
Store	Store for chemical, equipment, unpacked goods - crucibles etc.	2	10	20			
Staff room	Staff room for rest and tea	1	15	15			rest area
Public toilet	Toilet M+F	2	2	4			
Changing, staff, male	Male staff changing + shower	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	1	15	15			provision to cater for disabled, min. 2no. wc per each gender, incl urinal for males
Toilet, Staff, male	Male staff toilet	1	2	2			
Toilet, Staff, female	Female staff toilet	1	2	2			
Gas store	External area for gas-bottle/install	1	0	0			
Cleaner's closet	orderlies, cleaning equipment, etc.	1	12	12			
Circulation	Corridors/walls/ext. Covered areas			384	30%	499.2	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Surgery Department							
Patient entrance	entrance lobby for staff and patients	1	6	6			
Patient transfer	transfer of patient, trolley exchange	1	6	6			
Stretcher bay	stretcher/ trolley holding area	1	6	6			
Consulting Room - Day case	Report writing	2	16	6			
Patient preparation - Day case	changing area with sanitary facilities, cubicles	1	24	24			
Theatre	surgical interventions	5	45	225			one septic + one aseptic
Scrub-up	Preparation	3	8	24			
Theatre Sterile store	holding area for sterile supplies	1	15	15			
Sterilizing room	Sterilization, autoclaves	1	12	12			
Anesthesia Induction Room	Preparation, anesthetic	5	15	75			
Disposal Area	Cleaning, washing, risk water	5	8	40			
Clean store	Store for surgery preparation	4	6	24			
Cleaning and disinfection	Store for sterilized equipment and linen	1	10	10			
2 - bed Recovery ward	post surgery recovery - 10 beds	5	15	75			
Surgeon's Office	Report writing	1	12	12			
Anesthetist's Office	Report writing	1	12	12			
Nurse station	Office/staff duty/registration/ observation.	1	15	15			
Dirty utility	Cleaning/washing/waste	1	6	6			
Cleaners room	Cleaning equipment + cleaners trolley	1	4	4			
Staff entrance	Entrance lobby for staff only	1	6	6			
Staff Restroom	Staff room for rest and tea	1	15	15			
Changing, staff, male	Changing with shower/ lockers	1	15	15			
Changing, staff, female	Changing with shower/ lockers	1	15	15			
Toilet, staff, male	Male staff toilet	1	6	6			
Toilet, staff, female	Female staff toilet	1	6	6			
Orderlies	waiting area	1	10	10			
Cleaner's closet	orderlies, cleaning equipment, etc.	1	12	12			
Doctors corridor	Circulation	1	0	0			
Dirty corridor	Circulation	1	0	0			
Circulation	Corridor/walls/ext. Covered areas				682	30%	886.6

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
ICU + HDU (16 beds)							
Patient entrance	entrance lobby for staff only	1	6	6			
Patient transfer	transfer of patient, trolley exchange	1	6	6			
Stretcher bay	stretcher/ trolley holding area	1	6	6			
10 bed ICU	monitoring, intensive care	1	160	160			glass partitioned space including care givers workstation with view from nurse monitoring station. Includes 2 isolation beds with toilets
Anteroom	scrub, preparation to isolation	1	8	8			shared
6 bed HDU	monitoring, critical care	1	60	60			provide all beds in cubicles
Sterilizing store	holding area for sterile supplies	1	15	15			
Clean Utility	Store for sterilized equipment and linen	1	12	12			
Surgeon's Office	Report writing	1	12	12			
Nurse station	Office/staff duty/registration/ observation.	2	15	30			one each for ICU and HDU
Staff Restroom	Staff room for rest and tea	1	15	15			
Changing, staff, male	Changing with shower/ lockers	1	15	15			
Changing, staff, female	Changing with shower/ lockers	1	15	15			
Toilet, staff, male	Male staff toilet	1	6	6			
Toilet, staff, female	Female staff toilet	1	6	6			
Dirty utility	Cleaning/washing/waste	1	10	10			
Staff entrance, air lock	Entrance lobby for staff only	1	8	8			
Orderlies	waiting area	1	10	10			
Cleaner's closet	orderlies, cleaning equipment, etc.	1	12	12			
Dirty corridor	Circulation	1	0	0			
Circulation	Corridor/walls/ext. Covered areas			412	30%	535.6	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Endoscopy Department	Shared with GU & Gynae						
Patient entrance	entrance lobby for patients	1	12	6			
Patient transfer	transfer of patient, trolley exchange	1	12	6			
Nurse station	Office/staff duty/registration/ observation.	1	15	15			
Consulting Room	Report writing	1	16	6			
Patient preparation - Day case	changing area with sanitary facilities, cubicles	1	24	24			
2 -bed Post Operative ward - day case	recovery, patient rest area - 4beds	2	16	32			
Endoscopy OR	surgical interventions	2	30	60			one septic + one aseptic
Scrub-up	Preparation, staff cleaning	1	6	6			
Sterile supply	Store for surgery preparation	2	8	16			
Sterilizing room	Sterilization, autoclaves	1	16	16			
Anesthesia storage	Preparation, anesthetic	1	8	8			
Disposal Area/ Dirty corridor	Cleaning, washing, risk water	2	8	16			
Clean store	Store	1	10	10			
Surgeon's Office	Report writing	1	12	12			
Anesthetist's Office	Report writing	1	10	10			
Dirty utility	Cleaning/washing/waste	1	10	10			
Staff entrance	Entrance lobby for staff only	1	6	6			
Staff Restroom	Staff room for rest and tea	1	12	12			
Changing, staff, male	Changing with shower/ lockers	1	12	12			
Changing, staff, female	Changing with shower/ lockers	1	12	12			
Toilet, staff, male	Male staff toilet	1	6	6			
Toilet, staff, female	Female staff toilet	1	6	6			
Orderlies, cleaners	waiting area	1	10	10			
Cleaners room	Cleaning equipment + cleaners trolley	1	4	4			
Circulation	Corridors/walls. Ext. Covered areas			294	30%	382.2	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Maternity Outpatients	O&G Clinics						
Registration	Patient registration	1	12	12			provision for computerised data entry
Waiting	Patient/ visitors waiting/ demonstration area/ cwc etc.	1	80	80			convenient environment, well roofed and protected from elements
Record + files	Patients records/archive	1	10	10			provision for computerised data entry and retrieval
Revenue collection	Cashier - payment for treatment	1	10	10			cubicles
Nurse station	patient screening	1	12	12			
Sister's Office	Office for senior nurses	3	12	36			
Consulting/ examination Room	ante partum	4	16	64			
Consulting/ examination Room	post partum	2	16	32			
Procedure Room	Reproductive Family Planning	2	12	24			
Reproductive Family Planning	counseling	2	13	26			
Circulation	Corridors/walls. Ext. Covered areas			224	30%	291.2	
Child Health Outpatients	Neonatal Clinics						
Registration	Patient registration	1	12	12			provision for computerised data entry
Waiting	Patient/ visitors waiting/ demonstration area/ cwc etc.	1	80	80			convenient environment, well roofed and protected from elements
Record + files	Patients records/archive	1	10	10			provision for computerised data entry and retrieval
Revenue collection	Cashier - payment for treatment	1	10	10			cubicles
Nurse station	patient screening	1	12	12			
Sister's Office	Office for senior nurses	3	12	36			
Consulting/ examination Room	neonatal	4	16	64			
Circulation	Corridors/walls. Ext. Covered areas			160	30%	208	
Neonatal care - NICU (50 cots)	to be locate close to maternity dept. but with easy access to pediatrics						
Neonatal care - premature babies	12 incubators	1	15	15			
Neonatal care - sick baby unit	30 incubators	1	8	8			
Nurse station	Nurse/staff/office/night duty	2	10	20			
Feeding room	Ensuite Room for mother & child	1	16	16			
High Dependency Unit - 8 beds	8 cot room for critical care	1	48	48			
Dirty utility	Cleaning/washing/waste	1	6	6			
Clean store	Store	1	4	4			
Circulation	Corridors/walls. Ext. Covered areas			117	25%	146.25	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Delivery Suite (100 bed lying-in + 20 bed)	Includes HDU						
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	2	32	64			
4 - bed ward	labour room/ preparation - 2nd stage	2	32	64			
Labour/ Delivery Room (4-bed)	Delivery	4	32	128			
Special Delivery Room	water bath	1	24	24			
Delivery Room (Private)	delivery-ensuite	20	15	300			
4 - bed ward	lying-in/ post natal beds	16	45	720			ensuite with sho/ wc on-board
2 - bed ward	lying-in/ post natal beds	12	30	360			ensuite with sho/ wc on-board
1 - bed ward	lying-in/ post natal beds	12	18	216			ensuite with sho/ wc on-board
New born room	care of new born (bathing of babies)	1	10	10			
Milk Kitchen	food and milk preparations for new born	1	12	12			
High Dependency Unit (20-beds)	patient monitoring, sick patients, critical care, eclampsia	20	12	240			
Operation theatre	surgical intervention e.g. c-section	2	36	72			
Scrub up	preparation	1	10	10			
Recovery ward (6-beds)	O&G post operative ward - 6beds	1	48	48			
Sterile store	store for surgery prep	2	12	24			
sterilizing room	sterilization, 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			
Circulation	Corridors/walls/ext. Covered areas			2529	30%	3287.7	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Obs & Gynae Ward (50-beds)							
Nurse station	Nurse / staff/ office	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	4	42	168			
4 Bed Ward	Ward for patients	4	30	120			
1 Bed Ward Ensuite	Ward for patients - single bed ward	10	16	160			including VIP
Medications	Pharmaceuticals, medicine cabinets, fridges, instruments trolley	1	10	10			
Staff Restroom	Restroom for Nurses	1	12	12			
Dirty utility	Cleaning/washing/waste	1	6	6			
Clean store	Clean linen and supplies	1	6	6			
Toilet, staff	Toilet for staff	2	3	6			
Shower, staff	Shower for staff	2	3	6			
Toilet, patient	Toilet for patients	2	3	6			
Shower, patient	Shower for patients	2	3	6			
Assisted Bath	For patient with disabilities	1	12	12			Hoist to be installed
Equipment store	mobile equipment	1	6	6			
Cleaners room	Cleaning equipment + cleaners trolley	1	6	6			
Circulation	Corridors/walls/ext. Covered areas			581	30%	755.3	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Surgical Ward - 1 (50 Beds)	General Surgery - Female, Male & pediatric						
4 Bed Ward - Female	Male	3	32	96			ensuite with sho/ wc on-board
1 Bed Ward ensuite	Male special ward	4	16	64			special wards
4 Bed Ward - Female	Female	3	32	96			ensuite with sho/ wc on-board
1 Bed Ward ensuite	Female special ward	4	16	64			ensuite with sho/ wc on-board
4 Bed Ward - Male	Pediatric - male	2	32	64			ensuite with sho/ wc on-board
4 Bed Ward - Female	Pediatric - female	2	32	64			ensuite with sho/ wc on-board
2 Bed Ward ensuite	Pediatric - special ward	2	16	32			ensuite with sho/ wc on-board
Pantry	patients, patient relatives etc.	1	12	12			1 per each sub-speciality
Nurse station	Nurse / staff/ office	1	15	15			1 per each sub-speciality
Reception	visitors waiting	1	30	30			shared - with TV and comfort seats, use of artwork and colour desirable
Dayroom	Patient/ visitors lounge and social area	3	15	45			shared - with TV and comfort seats, use of artwork and colour desirable
Medications	Pharmaceuticals, medicine cabinets, fridges, instruments trolley	2	8	16			1 for adult + 1 play room for children
Treatment	Examination/ treatment/ Dressing etc.	1	15	15			alternatively may be located at A+E
Staff Restroom	Restroom for Nurses	1	20	20			shared
Dirty utility	Cleaning/washing/waste	1	12	12			shared
Clean store	Clean linen and supplies	2	12	24			1 per each sub-speciality
Equipment store	mobile equipment	2	6	12			mobile x-ray
Changing, staff, male	Male staff changing + shower/ wc	2	15	30			
Changing, staff, female	Male staff changing + shower/ wc	2	15	30			
Assisted Bath	For patient with disabilities	1	12	12			Hoist to be installed
Cleaners room	Cleaning equipment + cleaners trolley	1	4	4			
4-bed isolation ward ensuite	post-operative - special ward for special cases, e.g. Burulli Ulcer patients	1	30	30			isolation is required due to high tendency for infection
Circulation	Corridors/walls/ext. Covered areas			787	30%	1023.1	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Surgical Ward - 2 (76 Beds)	Female, Male & pediatric surgical specialities						
4 Bed Ward - Male	Genito-Urinary	3	32	96			ensuite with sho/ wc on-board
4 Bed Ward - Female	Genito-Urinary	3	32	96			ensuite with sho/ wc on-board
1 Bed Ward ensuite	Male and Female ward - single bed ward - GU	6	16	96			special wards
4 Bed Ward - Male	Neuro	2	32	64			ensuite with sho/ wc on-board
4 Bed Ward - Female	Neuro	2	32	64			ensuite with sho/ wc on-board
1 Bed Ward ensuite	Male and Female ward - single bed ward - Neuro	4	16	64			special wards
4 Bed Ward - Male	ENT	1	32	32			ensuite with sho/ wc on-board
4 Bed Ward - Female	ENT	1	32	32			ensuite with sho/ wc on-board
2 Bed Ward ensuite	ENT - Pediatric	1	16	16			ensuite with sho/ wc on-board
4 Bed Ward - Male	Dental	1	32	32			ensuite with sho/ wc on-board
4 Bed Ward - Female	Dental	1	32	32			ensuite with sho/ wc on-board
2 Bed Ward ensuite	Dental - Pediatric	1	16	16			ensuite with sho/ wc on-board
4 Bed Ward - Male	Eye	1	32	32			ensuite with sho/ wc on-board
4 Bed Ward - Female	Eye	1	32	32			ensuite with sho/ wc on-board
2 Bed Ward ensuite	Eye - Pediatric	1	16	16			ensuite with sho/ wc on-board
Pantry	patients, patient relatives etc.	5	12	60			1 per each sub-speciality
Nurse station	Nurse / staff/ office	5	15	75			1 per each sub-speciality
Reception	visitors waiting	1	30	30			shared - with TV and comfort seats, use of artwork and colour desirable
Dayroom	Patient/ visitors lounge and social area	3	15	45			shared - with TV and comfort seats, use of artwork and colour desirable
Medications	Pharmaceuticals, medicine cabinets, fridges, instruments trolley	5	8	40			1 per each sub-speciality
Treatment	Examination/ treatment/ Dressing etc.	5	15	75			alternatively may be located at A+E
Staff Restroom	Restroom for Nurses	2	20	40			shared
Dirty utility	Cleaning/washing/waste	1	12	12			shared
Clean store	Clean linen and supplies	5	12	60			1 per each sub-speciality
Equipment store	mobile equipment	2	6	12			mobile x-ray
Changing, staff, male	Male staff changing + shower/ wc	5	15	75			
Changing, staff, female	Male staff changing + shower/ wc	5	15	75			
Assisted Bath	For patient with disabilities	1	12	12			Hoist to be installed
Cleaners room	Cleaning equipment + cleaners trolley	1	4	4			
4-bed isolation ward ensuite	post-operative - special ward for special cases, e.g. Burulli Ulcer patients	1	30	30			isolation is required due to high tendency for infection
Circulation	Corridors/walls/ext. Covered areas			1365	30%	1774.5	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
BURNS UNIT (20 beds)							
Reception	visitors waiting	1	12	12			
Nurse station	Nurse / staff/ office	1	15	15			
1 Bed station	patient bed, staff workstation, monitors etc.	20	12	240			includes 10 bed stations for pediatric cases
Nurse station	monitoring station	1	15	15			
Medications	Pharmaceuticals, medicine cabinets, fridges, instruments trolley	1	12	12			
Staff Restroom	Restroom for Nurses	1	20	20			also to be used for ward conferences
Dirty utility	Cleaning/washing/waste	1	8	8			
Clean store	Clean linen and supplies	1	15	15			
Equipment store	mobile equipment	1	6	6			
Assisted Bath	For patient with disabilities	1	12	12			Hoist to be installed
Toilet, patient	Toilet for male patients	2	3	6			
Shower, patient	Shower for male patients	1	3	3			
Toilet, patient	Toilet for female patients	2	3	6			
Shower, patient	Shower for female patients	1	3	3			
Cleaners room	Cleaning equipment + cleaners trolley	1	4	4			
Circulation	Corridors/walls/ext. Covered areas				350	30%	455
Medical Ward (25 Beds) x 4							
Female & Male							
6 Bed Ward	Male ward	1	48	48			ensuite with sho/ wc on-board
4 Bed Ward	Male ward	1	32	32			ensuite with sho/ wc on-board
1 Bed Ward ensuite	Male ward - single bed ward	2	16	32			ensuite with sho/ wc on-board
6 Bed Ward	Female ward	1	48	48			ensuite with sho/ wc on-board
4 Bed Ward	Female ward	1	32	32			ensuite with sho/ wc on-board
1 Bed Ward ensuite	Female ward - single bed ward	2	16	32			ensuite with sho/ wc on-board
1-bed isolation ward	quiet room	1	15	15			1 each for male and female
Nurse station	Nurse / staff/ office	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	1	6	6			
Staff Restroom	Restroom for Nurses	1	20	20			also to be used for ward conferences
Dirty utility	Cleaning/washing/waste	1	6	6			
Clean store	Clean linen and supplies	1	6	6			
Equipment store	mobile equipment	1	6	6			
Changing, staff, male	Male staff changing + shower/ wc	1	15	15			
Changing, staff, female	Male staff changing + shower/ wc	1	15	15			
Toilet, patient	Toilet for male patients	3	3	9			
Shower, patient	Shower for male patients	2	3	6			
Toilet, patient	Toilet for female patients	2	3	6			
Shower, patient	Shower for female patients	2	3	6			

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Assisted Bath	For patient with disabilities	1	12	12			Hoist to be installed
2-bed isolation ward	pre-operative - special ward for special cases e.g. Burulli Ulcer patients	1	15	15			isolation is required due to high tendency for infection
Cleaners room	Cleaning equipment + cleaners trolley	1	4	4			
Circulation	Corridors/walls/ext. Covered areas			390	30%	507	
						2028	multiply by 4 for full capacity hospital

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Pediatric Ward (72 Beds)	Female & Male (medical and surgical)						
6 Bed Ward	Male ward - under 5yrs	3	40	120			provide 1 cluster unit for surgical, 2 cluster units for medical
4 Bed Ward	Male ward - above 5yrs	3	26	78			provide 1 cluster unit for surgical, 2 cluster units for medical
6 Bed Ward	Female ward - under 5yrs	3	40	120			provide 1 cluster unit for surgical, 2 cluster units for medical
4 Bed Ward	Female ward - above 5 yrs.	3	26	78			provide 1 cluster unit for surgical, 2 cluster units for medical
12-bed nursery	under 1 year olds	1	24	24			isolation is required due to high tendency for infection
Nurse station	Nurse / staff/ office	2	15	30			
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	1	6	6			
Staff Restroom	Restroom for Nurses	1	20	20			also to be used for ward conferences
Dirty utility	Cleaning/washing/waste	1	6	6			
Clean store	Clean linen and supplies	1	6	6			
Equipment store	mobile equipment	1	6	6			
Changing, staff, male	Male staff changing + shower/ wc	1	15	15			
Changing, staff, female	Male staff changing + shower/ wc	1	15	15			
Toilet, patient	Toilet for male patients	3	3	9			
Shower, patient	Shower for male patients	2	3	6			
Toilet, patient	Toilet for female patients	2	3	6			
Shower, patient	Shower for female patients	2	3	6			
Assisted Bath	For patient with disabilities	1	12	12			Hoist to be installed
Cleaners room	Cleaning equipment + cleaners trolley	1	4	4			
Circulation	Corridors/walls/ext. Covered areas			499	30%	648.7	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Orthopedic and Trauma Ward (50 Beds)	Female, Male & Pediatric						
6 Bed Ward	Male ward	2	48	96			
6 Bed Ward	Female ward	2	48	96			
4 Bed Ward	Pediatric ward	2	24	48			
2-bed ward	quiet room	4	15	60			shared for male and female and pediatric
1 Bed Ward ensuite	VIP - single bed ward	10	16	160			shared for male and female and pediatric
Nurse station	Nurse / staff/ office	1	15	15			
Reception	visitors waiting	1	12	12			
Patient entrance	entrance lobby for staff only	1	6	6			
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	1	6	6			
Treatment	Examination/ treatment/ Dressing etc.	1	15	15			alternatively may be located at A+E
Staff Restroom	Restroom for Nurses	1	20	20			also to be used for ward conferences
Dirty utility	Cleaning/washing/waste	1	6	6			
Clean store	Clean linen and supplies	1	6	6			
Equipment store	mobile equipment	1	6	6			
Changing, staff, male	Male staff changing + shower/ wc	1	15	15			
Changing, staff, female	Male staff changing + shower/ wc	1	15	15			
Toilet, patient	Toilet for male patients	3	3	9			
Shower, patient	Shower for male patients	2	3	6			
Toilet, patient	Toilet for female patients	2	3	6			
Shower, patient	Shower for female patients	2	3	6			
Cleaners room	Cleaning equipment + cleaners trolley	1	4	4			
Circulation	Corridors/walls/ext. Covered areas			637	30%	828.1	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Kitchen							
Staff canteen	Dining area for staff	1	120	120			
Servery	staff meal service	2	15	30			
Pantry	trolley and food holding and wash up	1	20	20			
male + female toilets	toilets	1	15	15			
Catering office	Office for Chief and nutritionist/Catering Officer	1	15	15			
Cooking area	Cooking of food	6	25	150			
Preparation area	Preparation of food - 3 bays	3	12	36			
Vegetable store	Store for vegetables	1	12	12			
Dry store	Store for dry food	1	12	12			
Cold store	Store for cold food	1	12	12			
Dish wash area	Cleaning dishes - 2 bays	2	15	30			include cart wash outdoor
Trolleys, meal plating	Store for trolleys/ food warmers	1	20	20			
Outdoor Cooking Area	Cooking of food	1	30	30			
General store	Store for kitchen utilities, linen	2	12	24			
Cleaners room	Cleaning equip + cleaners trolley	1	4	4			
Staff facility	Male changing - toilet + shower	1	15	15			
Staff facility	Female changing - toilet + shower	1	15	15			
Circulation	Corridors/walls. Ext. Covered areas			560	30%	728	
Laundry							
Dirty Linen/ receiving bay	Store for dirty line, reception	1	30	30			
Foul Linen	Foul and Soiled linen receiving bay/ prewash & sterilization	1	15	15			
Receiving /Packaging	Room for packaging	1	30	30			
Office	administrative, clerical	2	15	30			
Washing area	Cleaning of dirty linen - space for machine + hand wash	1	60	60			*include water softener equip for washers
Drying	Drying of clean linen	1	20	20			* consider outdoor drying as well
Ironing	Drying of clean linen and ironing	1	40	40			*ventilation is very important due to additional heat from equipment
Linen store - delivery	clean linen storage	1	20	20			
Tailor / repair	Repair of Linen	1	15	15			
General store	Store for extra linen, equipment, detergent, etc.	3	10	30			
Staff Restroom	Restroom for Nurses	1	20	20			
Staff facility M+F	Staff toilet, shower and changing	2	12	24			
Circulation	Corridors/walls/ext. Covered corridor.			334	30%	434.2	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Central Sterilization							
Receiving /Packaging	Room for packaging	1	15	15			
Cart Wash	Trolleys	1	6	6			
Cleaning / sorting	Preparation/ washing	1	25	25			
Packing/ autoclaves	Sterilizing of equipment	1	30	30			
Issuing store/bay	Room for Issuing bay	1	15	15			
Trolley Bay	Clean trolleys	1	15	15			
Office	Supervisor	1	15	15			
Sterile store	Store	1	20	20			
Staff facility	Toilet for staff	2	2	4			male / female
Staff changing	Staff changing + shower	2	6	12			male / female
Cleaning room	Cleaning equip + cleaners trolley	1	6	6			
Circulation	Corridors/walls/ext. Covered areas			163	30%	211.9	
Workshop							
Working area	Workshop for metal / woodworks etc.	1	20	20			
Working area	Vehicle repair shop	1	20	20			
Outdoor covered work yard	Workshop for metal/ woodworks etc./	1	30	30			
Covered store area	Material store	1	20	20			
Office	Engineer	1	12	12			
Office	Estates maintenance	1	12	12			
Janitors	Janitors	1	12	12			
Staff area	Preventive maintenance staff	1	15	15			
Maintenance Office	administrative office	1	15	15			
Staff facility	Toilet for staff	2	4	8			
Staff changing	Staff changing + shower	1	8	8			
Circulation	Corridors-covered/walls/ext.			172	30%	223.6	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Central Hospital Stores							
Pharmaceuticals	drugs, medicines etc.	4	30	120			
Linen/ Dressings etc.	Equipment workshop	2	20	40			
Equipment and tools	Workshop for metal/ woodworks etc./	2	30	60			
Stationery	office consumables	1	30	30			
Covered store area	Material store	1	20	20			
Bulk Breaking	Unpacking including pallet equipment	1	40	40			
Staff area	sorters/ handlers	1	15	15			
General Store	Store for equipment etc.	3	6	10			
Unserviceable Items	Store for broken down equipment etc.	1	30	30			
Staff Restroom	Restroom for Nurses	1	20	20			
Staff facility	Toilet for staff	2	4	8			
Staff changing	Staff changing + shower	1	8	8			
Circulation	Corridors-covered/walls/ext.			401	30%	521.3	
Technical Installation							
Electrical room	Transformer/switchgear	1	6	6			
Generator room	Standby generator room	1	10	10			
Secured covered gas store	Bottle store	1	10	10			
Water treatment plant	Water plant	1	10	10			
Water booster pump	Water plant	1	10	10			
Ground water tank	Water storage	1	10	10			
Waste handling area	Intermediate waste storage	1	15	15			
Incinerator	Waste disposal plant	1	10	10			
Stabilizers	Room for storing stabilizers	1	15	15			
Circulation	Corridors-covered/walls/ext.			96	20%	115.2	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Mortuary							
Reception	entrance lobby, receiving, records	1	20	20			
Autopsy room	Doctors examination	1	20	20			
Medical Gas Stores	Store for Medical Gas	1	20	20			
Body store	Store chilled, 100-body pack	1	120	120			
Trolley bay	Parking of stretchers	1	6	6			
Viewing room	Waiting area for family	1	20	20			
Waiting area - outdoor	Waiting area for family	1	30	30			covered area
Body wash	thawing, Washing, preparation,	1	12	12			
Office for the Pathologist	Pathologists Office	1	12	12			
Staff changing room	Staffing changing + shower	1	8	8			
Staff Toilet	Toilet for staff	1	5	5			
Public Toilet	Toilet for M+F	2	5	10			
Orderlies	waiting area	1	10	10			
Cleaners room	Cleaning equipment + Cleaners trolley	1	8	8			
Circulation	Corridors/walls/ext. Covered areas			301	30%	391.3	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Physiotherapy Department							
Entrance/ Reception	Nurses station/ patient receiving/ registration	1	20	20			
Physiotherapists office	examination/ counseling	2	20	40			
Physio Nurse office	counseling	1	12	12			
Staff Room	relaxation/ coffee & tea room/ kitchenette	1	12	12			
Gym room	Exercise room	1	80	80			
Workshop	Preparation of aid equipment	1	15	15			
Therapy room	Different treatment/massage/electrotherapy/ etc.	6	10	60			
Hydrotherapy room	Different treatment regimes in pool etc.	1	80	80			
Changing room	Staff change	2	15	30			
Shower Patients	Patients shower/ lockers	4	8	32			
Shower, staff	Staff shower	2	5	10			
Office	Physiotherapist	1	8	8			
Store	Store(linen, medical consumables, mobile equipment, stationery etc.)	2	10	20			
Toilet, Staff	Toilet for staff	1	2	2			
Toilet, handicap	Toilet for handicapped patients	1	3	3			
Outside training	Exercise room	1	30	30			
Circulation	Corridors-covered/walls			454	30%	590.2	
Radiation Therapy + Oncology Suite							
	inpatient & outpatient waiting, reception, therapy & treatment, consulting/ exam etc.	1	1000	1000			
				1000	30%	1300	
Cardiology (non-invasive & invasive + pulmonary respiratory therapy)							
	testing, Angiography interventional room, vascular testing, nuclear cardiology procedure room, etc.	1	500	500			
				500	30%	650	
Domestic Violence Victims Unit (DVVU)							
	inpatient & outpatient waiting, reception, counselling & treatment, consulting/ exam etc.	1	250	250			
				250	30%	325	
Crèche							
	facilities for staff children	1	300	300			
				300	30%	390	
Primary Care Centre							
	Walk-in Out Patient's Clinic	1	2500	2500			to be located off Ridge Hospital campus
				2500	30%	3250	

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Accommodation	Services to be performed	No. of Units	Net area per unit	Total net area	Circulation + walls %	Gross area	General comments
Total Area of Hospital Departments						33255.2	Minimum space requirements
HOSPITAL DESIGN FACTOR					1.25	41568.94	Limit of Allowable Clinical Floor Area (42,000)m ²
Main and sub hospital street and Aprons	general circulation				30%	54039.62	BUILT UP AREA BUILDINGS AND WALKWAYS
Staff Accommodation							
(Snr staff accommodation 12 - units)	Three (3) Bedroom Bungalows	12					
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%	1815	
Staff Accommodation							
(Jr. Staff accommodation 48 - units)		48					
Porch	Entrance	1	6	6			
Lounge	Living/dining	1	24	24			
Bedroom	With 2 beds	1	12	12			
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			61	25%	3660	
60 units Staff Accommodation						5475	
TOTAL AREA OF PROPOSED HOSPITAL						47043.9	Approximately 47,000m²