



**The Republic of Malawi  
Ministry of Health**

## **STANDARD EQUIPMENT LIST**

**FOR**

**TYPICAL DISTRICT AND COMMUNITY  
HOSPITAL AND HEALTH CENTRE WITH  
GENERIC SPECIFICATIONS FOR SOME  
COMMON AND GENERAL EQUIPMENT**



March, 2009



## **ABBREVIATIONS :**

ANC	Ante Natal Care
DH	District Hospital
DHO	District Health Office/Officer
EC	European Union
EPI	Expanded Programme of Immunization
FP	Family Planning
GTZ	Deutsche Gesellschaft für Technische Zusammenarbeit ( German Technical Cooperation)
HC	Health Centre
KfW	Kreditanstalt für Wiederaufbau (German Development Bank)
MDG	Millennium Development Goal
MOH	Ministry of Health, Malawi
OPD	Out-patient Department
PAM	Physical Assets Management
RMU	Referral Maintenance Unit
STI	Swiss Tropical Institute
SWAp	Sector Wide Approach for Health

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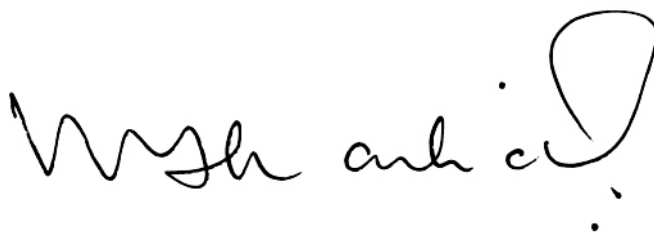
## FOREWORD

The Standard List of Medical Equipment and furniture for Health Centres and District Hospitals in Malawi is a very welcome development in the Ministry of Health. Its value and importance can only be appreciated and highlighted if one is to look at the broad spectrum of the intertwined issues affecting the health sector in this part of Africa.

The List highlights the aim of facilitating the achievement of the National Health Policy's (NHP) objective of guiding the allocation of national resources for health facilities development and maintenance, "in pursuit of equitable access to quality health care services for all". The mantra of Malawi National Health Physical Assets Management (PAM) Policy. Thus, the need for this List was underlined as and the agreed Milestones of the SWAp review.

This List was made possible through concerted efforts of European Union (EU), GTZ, KfW/STI, Malawi Health professionals and medical equipment experts. Special thanks go to the JICA/PAM Project for reviewing and consolidating the list.

I wish to congratulate PAM Division, headed by Dr. Lovemore Mkukuma, for coming up with this List, Mr. Dieter Horneber, PAM Technical Adviser, who unselfishly contributed much of his time, resources and talents in continuing the work started by Rene P. Dubbeldam of ETC Crystal, Mr. Tamotsu Nozaki, JICA/PAM project Coordinator, who consolidated all the works and those people who contributed in one way or the other in making this a reality, especially, the Ministry of health Technical Working Group, chaired by the Director of Planning and Policy Development, Mr. Patrick Zimpita.



**Honourable Khumbo Hastings Kachali, M.P.**  
**MINISTER OF HEALTH**



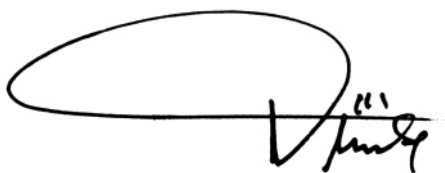
## **PREFACE**

The Standard Equipment List with Generic Specifications for Malawi Health Centres and District Hospitals was developed to serve as a basic document which health sector decision makers, mainly the Ministry of Health and major donors, may use as framework in conceptualizing, planning, and development these health facilities in terms of infrastructure, human resources, service level package and basic utilities.

It is the intention of this list that efficiency and cost-effectiveness in the acquisition of vital equipment as well as their maintenance will be enhanced. The list is not ideal *per se* and is not meant to supplant needs on the ground. Hence, good judgement on the part of major players involved in the acquisition of equipment is essential. Further consultation and coordination should be sought from the stakeholder such as the end users and the Physical Assets Management (PAM) division before carrying out actual procurement as the list is not perfect in itself.

This standard list should not be static because technology is changing rapidly. Therefore, there is need to have it reviewed once every five years or whenever necessary. Other factors which may be taken into account when reviewing the list include level of service these health facilities offer, human resources, running costs and maintenance costs.

This List will serve as the foundation for developing the Standard Equipment List for Central Hospitals.

A handwritten signature in black ink, consisting of a large, stylized loop followed by the name 'Chris Kang'ombe' written in a cursive script.

**Mr. CHRIS KANG'OMBE**  
**SECRETARY FOR HEALTH**





## INTRODUCTION

For the past several years, the MOH attempted to standardize the health services with the assistance and support of donor partners. This move was essential in the health sector from the point of view of efficiency and effectiveness as various donor countries are more than willing to help the health sector through different approaches and modes. There must be some kind of framework and guidelines which the MOH can use to manage scarce resources and donor countries. It is in this light that the MOH put premium to Standardization Equipment List as one of its *milestones under Pillar 3* achievement.

The former Technical Adviser for KfW/STI PAM, Mr. Dieter Horneber continued the work started by Mr. Rene P. Dubbeldam, ETC, through a series of nation-wide workshops and consultations with stakeholders and major players and experts in the field medical equipment engineering, hospital operations and management and key staff and Central Hospital Directors. The last workshop was carried out in October 2007 in Kalikuti Hotel, Lilongwe, Malawi.

The output of this workshop is the draft of Standard Equipment List (SEL) for a typical District Hospitals and Health Centre.

The JICA/PAM Support Programme collaborated with PAM in this undertaking to finish the task for the SWAP evaluation meeting. The Project visited all DHOs and Central Hospitals across the country early this year and the final draft of this Standard Equipment List was referred back to them to get their final comment and recommendation. Along this draft was a compilation of generic specifications for some of the major and common equipment in the list and the instrument set composition.

The feedbacks and recommendations from them were incorporated in the final version of this Standard Equipment List. The first two( 2 ) parts of the Listing consist of the District Hospital and Health Centre and is categorized into main Departments i.e. *OPD*, Ward Equipment, Laboratory, Blood Bank, Dental, Radiology, Physiotherapy, Operating Theater, Orthopaedics, Maternity, Central Sterilization, Pharmacy, Mortuary, Administration, Maintenance, Laundry and Kitchen Equipment in the District Hospital. For Health Centre, the departments included are *OPD*, Laboratory, Store/EPI, and Maternity Ward.

A Health Centre provides primary health care, including preventive, curative and promotional care, EPI and ante natal care. It has 13 beds, 2-4 beds as observation beds, 1 delivery bed, 8 post delivery beds, 1 waiting area, 1 examination room, treatment room, laboratory store, offices, stores, and nurse-on-duty station. It shall be able to provide common public health services, like Safe Motherhood, Family Planning, Information, Education and Communication Unit, TB Control and Sanitation, supported by limited laboratory services.

On the other hand, the typical District Hospital, complement as referral point from Health Centre, providing more advance curative care, plus internal medicine supported by well equipped Laboratory and X-ray, pediatrics, obstetrics, and general surgery. It also provides primary health care. District hospital is generally envisage to have 210 beds, that is 1 bed per 1000 people.

Additional list for Community hospital, though not too many, whose bed capacity varies from 50-200, ( CHAM Community Hospitals are more than that of Malawi Government-managed ) is a cut between a health centre and a district hospital. It has no clear-cut definition as to its service level package. However, based on the functional review report of MOH dated October 2007, and interviews with knowledgeable people in MOH HQ, its configuration should approximate that of a district hospital, but definitely lower in category, but higher than a health centre. Therefore, equipment list for community hospital is a scaled-down list of a district hospital. Further, two to three departments/units were not included like *Physiotherapy, Orthopedics, and Ophthalmology*.

Similarly, Health Centre is further sub-categorized into urban and rural, therefore additional list is provided for the category urban health centre. Rural health centre shall assume the configuration of the typical health centre.. For simplicity and to avoid too many standards for each category, which has no significant value and real advantage for MOH decision and policy makers, donors and other stake holders as well, the list added operating theatre equipment, supported by limited laboratory services and radiology services, like x-ray machine, and stand-by power generator.

The ease with which adjustment is made in terms of quantity of equipment is made possible by the 'modular type' identification and listing of equipment

Part 3 is the listing for Instrument set composition. Some components are listed as fixed 'sets' or 'packages', that is similar items in terms of composition and specifications may be acquired and utilized at different service levels across the country. The advantage of the use of sets or packages is that it makes it easier for the concern health staff to decide what to purchase and in controlling and developing inventories. Recurrent and disposables items are not part of the List.

Part 4 are the generic specifications of some major and common equipment. The specifications call for products that have proven acceptable quality world wide. It is for this reason that the procurement unit of MOH as well as at the DHO level shall carry out wide consultation before actually proceeding with the procurement process. This consultation shall include the equipment users themselves, the equipment suppliers and most especially, the RMU staff and other experts in the field.

The overriding consideration in the development of this standard list is to come up with the useful, practical, minimum, essential, affordable and sustainable equipment requirements by established level of care (health center and typical district hospital) in Malawi. However, it cannot be avoided that certain assumptions were used to simulate a 'general' condition in coming up with the standard list. Outside these general conditions and situations the list can be adjusted and the quantity and type of equipment can either be reduced or increased. This can easily be done by adjusting the number of rooms in the building, as each room contains specific number of equipment. Thus, it is called 'modular' type. In cases where there are more patient contacts in OPD for example, or more in-patient, larger population than normal/average, more health staff, then the number of rooms can be correspondingly be increased as needed. Effectively, once the rooms are increased or decreased, correspondingly, the quantity of equipment changes with it.

The Project hopes that this Standard Equipment List for typical District Hospital and Main Health Centres will be a valuable document in the formulation of *Standard Equipment List for Central Hospitals*. This can be carried out in the succeeding years of the Project, however, much policy decisions and direction has to be made by MOH, in terms of scope and extent of services a Central Hospital in Malawi should and could provide, whether it will go to specialized services, e.g. Oncology/Cancer Center, Heart and Lung Center, Kidney and Nephrology Center, Trauma and Rehabilitation Centers and other specializations. These issues have to be sorted out before going into similar workshops. These undertakings will require enormous brain input through extensive consultations among the nation's experts and donor consultants involved in the health sector as well as financial inputs from them. Therefore, a strong partnership and collaboration between the stakeholders and MOH PAM Division is necessary to achieve this end.

The specifications developed were based on the main issues at hand, the Malawi health professionals who will be the ultimate operator and user of the equipment and their present capability to use/operate them and the basic utilities like water and electricity. Other concerns that were factored in were the operating (running) cost, maintenance and spare parts and the life curve of technology. It is expected therefore that divergent views will be raised, however, the PAM Division is open for any recommendation and suggestions to improve the specifications and update the list.

The instrument set composition is far from the ultimate list some medical professional and experts may expect. Like the other parts of this listing, it can be upgraded and updated, however, one must keep in mind the realities on the ground, the priorities in terms of fundamental health indicators in the country like morbidity and mortality, the country's commitment to MDG and other factors, foremost of which human and financial resources.



# **PART I**

## **STANDARD EQUIPMENT LIST**

**FOR**

## **‘TYPICAL HEALTH CENTRE’**



# PHYSICAL ASSETS MANAGEMENT

Standard List of Equipment for Health Centres and District

## Model facilities: Proposed Equipment per Room

**Facility**      **Typical Health Centre, Malawi**

**Beds 13**

**Minimum Priority Equipment**

Hospitals

**E Essential**

Building 1 OPD

Department OPD

**1 OPD, Dispensing**

*Furniture, office*

- 1 E Basket, waste paper
- 1 E Cupboard, high, wood
- 1 E Shelves, wood
- 1 E Chair, wood
- 1 E Stool, wooden
- 1 E Table, wooden, local

*Furniture, medical*

- 1 E Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin

**1 OPD, Examination Room(Consultation Room )**

*Equipment, medical*

- 1 E Chart, eye, vision testing, Snellen, alphabet/illiterate
- 1 E Weighing scale, adult, physician, metric, 140kgx100g
  
- 1 E Weighing scale, baby, basin type, 16 kg, 10grams scale
- 1 E Weighing scale, toddler, springtype

*Equipment, office*

- 1 E Clock, wall, with second hand, battery

*Equipment, medical, instruments*

- 1 E Diagnostic equipment set for Medical assistant HC
- 1 H Tonometer

*Furniture, medical*

- 1 E Examination couch, local, wood
- 1 E Screen, four fold, on castors
- 1 E Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin
- 1 E Trolley, instruments, with s/s shelves, anti-static castors, 600x450x850

*Furniture, office*

- 2 E Chair, wood
- 1 E Cupboard, low, wood
- 1 E Desk, wood
- 1 E Filing cabinet, 4 drawers
- 1 E Chair, armchair office

*Hollow-ware / containers*

- 1 E Dustbin
- 1 E Hollow ware, set, consulting room

### **1 OPD, Family Planning (MCH)**

#### *Equipment, medical instruments*

- 2 E Instrument set, insertion/removal, IUCD
- 1 E Sphygmomanometer
- 1 E Norplant set
- 1 E Diagnostic Set, MCH

#### *Equipment, medical*

- 1 E Weighing scale, bathroom type, metric, 125kg x 500g
- 1 E Light, examining, floor standing

#### *Furniture, medical*

- 1 E Examination couch, local, with stirrups
- 1 E Stool, 60cm hgt.
- 1 E Screen, four fold, with anti-static castors

#### *Furniture, office*

- 2 E Chair, wood
- 1 E Desk, metal, 1600x750 mm

#### *Hollow-ware / containers*

- 1 E Dustbin

### **1 OPD, Laboratory**

#### *Equipment, domestic, kitchen*

- 1 E Stove, kerosine, 1.2 ltrs

#### *Equipment, glassware*

- 1 E Glassware set, laboratory, EAU

#### *Equipment, medical, laboratory*

- 1 E Centrifuge, manual, 4 bucket, hand operated with graduated tubes
- 1 E Haemoglobinometer, Hemacue
- 1 E Timer, interval, digital, battery operated, 60 minx1min, with signal
- 1 E Centrifuge, electrical, 4 bucket\*\*\*
- 1 E Glucometer
- 1 E *Recommended-electric*
- 1 E Rack, staining, mmicroscope slide stainingm for 25 slides
- 1 E Microscope slide holder
- 1 E Steel Forceps
- 1 E Reck, test tube, wood, 12 tube
- 1 E Refrigerator gas/electrical
- 1 E Spirit Burner/lamp

#### *Equipment, medical, sterilization sterilizers*

- 1 E Sterilizing unit, steam, pressure cooker type, dble rack, fuel heated

#### *Furniture, medical*

- 1 E Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin

#### *Furniture, office*

- 2 E Chair, wood



- 1 E Cupboard, low, wood
- 1 E Shelves, wood
- 1 E Stool, wood
- 1 Desk, wood

*Hollow-ware / containers*

- 2 E Dustbin
- 1 E Hollow ware set, laboratory

**1 OPD, Store/ EPI**

*Equipment, refrigeration*

- 1 E Cold box, insulated, vaccine storage, 27 ltr
- 1 E Refrigerator, electric/gas
- 2 E Vaccine carrier

*Furniture, office*

- 1 E Cupboard, high, wood
- 4 E Shelves, wood
- 1 E Chair wood
- 1 E Desk, wood

*Sundries, domestic*

- 1 E Cleaning utensils, set

**1 OPD, Treatment Room**

*Equipment, domestic, kitchen*

- 1 E Stove, kerosine, 1.2 ltrs
- 1 E Water kettle, boiling, 2ltr

*Equipment, medical*

- 1 L Oxygen Concentrator
- 1 E Light, examining, floor standing, articulated
- 1 E Suction machine, foot operated

*Equipment, medical, sterilization sterilizers*

- 1 E Sterilizing unit, steam, non vacuum, vertical, fuel, medium, 39 ltr

*Equipment, medical, instruments*

- 1 E Diagnostic equipment set for HC
- 2 E Instrument set, dental, tooth extraction, basic
- 4 E Instrument set, dressing
- 1 E Instrument set, foreign body removal
- 3 E Instrument set, incision and drainage of abscess
- 2 E Instrument set, stitch removing
- 5 E Instrument set, suture
- 2 E Manual Vacuum aspirator (MVA)
- 2 E Cheatle forceps in a container
- 1 E Drum, sterilization, medium
- 1 E Drum, sterilization, small

*Furniture, medical*

- 1 E Drip stand, double hook, adjustable height, on castors
- 1 E Screen, four fold, on castors
- 1 E Stand, bowl, kick about
- 1 E Stretcher, collapsible
- 1 E Trolley, instrument, with s/s shelves, anti-static castors, 600L x 450W x 800H mm
- 1 E Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin

- 1 E Operating Table, mechanical
- 1 E Wheel chair, adult same specs with that of District Hospitals

*Furniture, office*

- 1 E Cupboard, high, wood
- 2 E Stool, wood

*Hollow-ware / containers*

- 2 E Box, instruments, s/s, w/knobbed cover, 300x200x50 mm
- 1 E Container, for sharps, for approx. 250 needles
- 1 E Dustbin
- 1 E Hollow ware, set, treatment room
- 1 E Tray, instrument, set of 3 sizes, covered, s/s, 305x254x51mm

Building **2 Ward, Maternity**

Department **Ward, Maternity**

**1 Ward, Maternity, Nurse Duty Station**

*Equipment, domestic*

- 1 E Lamp, pressure, paraffin, 400mm, 1.1 litres

*Equipment, medical, instruments*

- 1 E Instrument set, stitch removing

*Furniture, medical*

- 1 E Cupboard, dangerous drugs
- 1 E Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin

*Furniture, office*

- 1 E Dust bin
- 1 E Bench, wood, small
- 1 E Chair, wood
- 1 E Desk, wood
- 1 E Chair, armchair in office

*Hollow-ware / containers*

- 1 E Container, for sharps, for approx. 250 needles

**1 Ward, Maternity, Sluice Room**

*Furniture, medical*

- 1 E Trolley, laundry, with rails & shelves, 610w x 460d x 860h mm

*Hollow-ware / containers*

- 1 E Dustbin

*Sundries, domestic*

- 1 E Cleaning utensils, set
- 1 E Laundry/linen bag

**1 Ward, Maternity, Store**

*Furniture, office*

- 8 E Shelves, wood

**1 Ward, Maternity, Ward, Delivery Room**

*Equipment, domestic*

1 E Lamp, pressure, paraffin, 400mm, 1.1 litres

*Equipment, domestic, kitchen*

1 E Stove, charcoal  
1 E Stove, kerosine, 1.2 ltrs  
1 E Stove, gas

*Equipment, domestic, lighting*

1 E Light, emergency, solar, with battery backup  
1 E Light, gas

*Equipment, medical*

2 E Delivery bed  
1 E Weighing scale, baby, basin type, 16 kg  
1 E Suction Apparatus, foot operated  
1 E Vacuum extractor

*Equipment, medical, anaesthesia*

1 E Ambu bag, adult with mask  
1 E Ambu bag, infant with mask

*Equipment, medical, sterilization sterilizers*

2 E Sterilizing unit, steam, pressure cooker type, dble rack, 84 syringes, fuel heated  
1 L Autoclave, table top - (specs same as the other autoclave in District Hospital)

*Equipment, medical instruments*

1 E Diagnostic equipment set for HC  
15 E Instrument set, delivery and suturing  
3 E Instrument set, episiotomy and tears, extra  
2 E Instrument set, dressing  
1 E Manual Vacuum aspiration Set  
Delivery Packs; 2 small and large kidney dish ea.,  
episiotomy scissors, stitch scissors, 2 cord clamps,  
2 dissecting forceps, and needle holder  
2 Obstetrics Forceps  
Wrigley's and mid-cavity forceps e.g. Neville Barnes or  
Anderson's  
1 E Clock, wall type, with second hand, battery

*Furniture, medical*

1 E Cot, baby (bassinet), hospital-type  
2 E Drip stand, double hook, adjustable height, on castors  
2 E Screen, four fold, on castors  
2 E Stool, surgeon's, adjustable height  
2 E Trolley, instrument, with s/s shelves, anti-static castors, 600L x 450W x 800Hmm  
1 E Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin  
2 E Angle Poised Lamp  
2 E Speculums  
2 E Sponge Holding Forceps  
2 E Tenacullums

*Furniture, office*

1 E Cupboard, low, metal  
1 E Foot step, one step  
1 E Foot step, two step  
5 E Chair, wood

*Hollow-ware / containers*

- 1 E Container, for sharps, for approx. 250 needles
- 1 E Dustbin
- 1 E Hollow ware, set, delivery room

**2 Wards, Maternity, Holding Room(Antenatal Room )**

*Furniture, medical*

- 2 E Bedside locker
- 1 E Drip stand, double hook, adjustable height, on castors
- 2 E Hospital bed, adult
- 2 E Mattress for hospital bed, adult
- Containers for Decontamination, Cleaning, Instruments and Linen
- 4 E

*Hollow-ware / containers*

- 1 E Dustbin
- 1 E Hollow ware set, ward, duty station

*Textile, domestic*

- 2 E Bed net, mosquito, single bed

**1 Wards, Maternity, Ward Maternity**

*Equipment, domestic*

- 2 E Lamp, paraffin, hurricane type

*Furniture, medical*

- 8 E Bedside locker
- 4 E Drip stand, double hook, adjustable height, on castors
- 8 E Hospital bed, adult
- 8 E Mattress for hospital bed, adult
- 2 E Screen, four fold, on castors
- 1 E Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin

*Furniture, office*

- 4 E Chair, wood

*Hollow-ware / containers*

- 1 E Basin, wash, p/p, 400 mm diam.
- 1 E Dustbin

*Textile, domestic*

- 8 E Bed net, mosquito, single bed

# PHYSICAL ASSETS MANAGEMENT

## Proposed Equipment per Room

**Facility**      **Urban Health Centre**

**Beds: 25**

**Minimum**    *Priority*    *Equipment*

**E**    *Essential*

Building **1**    **OPD**

Department **OPD**

**1 OPD, Dispensing**

*Furniture, office*

- 1 E Basket, waste paper
- 1 E Cupboard, high, wood
- 1 E Shelves, wood
- 1 E Chair, wood
- 1 E Stool, wooden
- 1 E Table, wooden, local

*Furniture, medical*

- 1 E Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin

**1 OPD, Examination Room (Consultation Room)**

*Equipment, medical*

- 1 E Chart, eye, vision testing, Snellen, alphabet/illiterate
- 1 E Weighing scale, adult, physician, metric, 140kgx100g
  
- 1 E Weighing scale, baby, basin type, 16 kg, 10grams scale
- 1 E Weighing scale, toddler, springtype

*Equipment, office*

- 1 E Clock, wall, with second hand, battery

*Equipment, medical, instruments*

- 1 E Diagnostic equipment set for Medical assistant HC
- 1 H Tonometer

*Furniture, medical*

- 1 E Examination couch, local, wood
- 1 E Screen, four fold, on castors
- 1 E Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin
- 1 E Trolley, instruments, with s/s shelves, anti-static castors, 600x450x850

*Furniture, office*

- 2 E Chair, wood
- 1 E Cupboard, low, wood
- 1 E Desk, wood
- 1 E Filing cabinet, 4 drawers
- 1 E Chair, armchair office

*Hollow-ware / containers*

- 1 E Dustbin
- 1 E Hollow ware, set, consulting room

## 1 OPD, Family Planning (MCH)

### *Equipment, medical instruments*

- 2 E Instrument set, insertion/removal, IUCD
- 1 E Sphygmomanometer
- 1 E Norplant set
- 1 E Diagnostic Set, MCH
  
- 2 E Instrument set, insertion/removal, IUCD
- 3 Norplant set, insertion/removal
- 10 Sponge holding forcep
- 20 Gall pots
- 1 Drum, sterilizing, small
- 2 Drum, sterilizing, medium
- 10 Forceps, curved, artery, small
- 10 Forceps, straight, artery, small
- 10 Forceps, straight, artery, large
- 5 Bowl, medium
- 10 Receiver, medium
- 3 Tray
- 6 Forcep, Cheatle
- 2 Holders, Cheatle
- 2 Scissors, curved
- 2 Scissors, straight
- 2 E Tubal Ligation and Vasectomy Sets
- 2 E Specullums small
- 2 Stethoscope; Littman type
- 2 Foetal Monaural
- 2 Pinard; plastic
- 2 Scope; vaginal and foetal

### *Equipment, glassware*

- 1 E Glassware set, laboratory, EAU

### *Equipment, medical, laboratory*

- 1 E Centrifuge, manual, 4 bucket, hand operated with graduated tubes
- 1 E Haemoglobinometer, Hema cue
- 1 E Timer, interval, digital, battery operated, 60 minx1min, with signal
- 1 E Centrifuge, electrical, 4 bucket\*\*\*
- 1 E Glucometer
- 1 E *Recommended-electric*
- 1 E Rack, staining, mmicroscope slide stainingm for 25 slides
- 1 E Microscope slide holder
- 1 E Steel Forceps
- 1 E Reck, test tube, wood, 12 tube
- 1 E Refrigerator gas/electrical
- 1 E Spirit Burner/lamp

### *Equipment, medical, sterilization sterilizers*

- 1 E Sterilizing unit, steam, pressure cooker type, dble rack, fuel heated

### *Furniture, medical*

- 1 E Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin

*Furniture, office*

- 2 E Chair, wood
- 1 E Cupboard, low, wood
- 1 E Shelves, wood
- 1 E Stool, wood
- 1 Desk, wood

*Hollow-ware / containers*

- 2 E Dustbin
- 1 E Hollow ware set, laboratory

**1 OPD, Store/ EPI**

*Equipment, refrigeration*

- 1 E Cold box, insulated, vaccine storage, 27 ltr
- 1 E Refrigerator, electric/gas
- 2 E Vaccine carrier

*Furniture, office*

- 1 E Cupboard, high, wood
- 4 E Shelves, wood
- 1 E Chair wood
- 1 E Desk, wood

*Sundries, domestic*

- 1 E Cleaning utensils, set

**1 OPD, Treatment Room**

*Equipment, domestic, kitchen*

- 1 E Stove, kerosine, 1.2 ltrs
- 1 E Water kettle, boiling, 2ltr

*Equipment, medical*

- Oxygen Concentrator; 230Vac;(same specs as that of in
- 1 L District Hospital
- 1 E Light, examining, floor standing, articulated
- 1 E Suction machine, foot operated

*Equipment, medical, sterilization sterilizers*

- 1 E Sterilizing unit, steam, non vacuum, vertical, fuel, medium, 39 ltr

*Equipment, medical, instruments*

- 1 E Diagnostic equipment set for HC
- 2 E Instrument set, dental, tooth extraction, basic
- 4 E Instrument set, dressing
- 1 E Instrument set, foreign body removal
- 3 E Instrument set, incision and drainage of abscess
- 2 E Instrument set, stitch removing
- 5 E Instrument set, suture
- 2 E Manual Vacuum aspirator (MVA)
- 2 E Cheatle forceps in a container
- 1 E Drum, sterilization, medium
- 1 E Drum, sterilization, small
- 1 E Infusion Pump

*Furniture, medical*

- 1 E Drip stand, double hook, adjustable height, on castors
- 1 E Screen, four fold, on castors
- 1 E Stand, bowl, kick about
- 1 E Stretcher, collapsible
- 1 E Trolley, instrument, with s/s shelves, anti-static castors, 600L x 450W x 800H mm
- 1 E Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin
- 1 E Operating Table, mechanical
- 1 E Wheel chair, adult same specs with that of District

Hospitals

*Furniture, office*

- 1 E Cupboard, high, wood
- 2 E Stool, wood

*Hollow-ware / containers*

- 2 E Box, instruments, s/s, w/knobbed cover, 300x200x50 mm
- 1 E Container, for sharps, for approx. 250 needles
- 1 E Dustbin
- 1 E Hollow ware, set, treatment room
- 1 E Tray, instrument, set of 3 sizes, covered, s/s, 305x254x51mm

Building **2 Ward, Maternity**

Department **Ward, Maternity**

**1 Ward, Maternity, Nurse Duty Station**

*Equipment, domestic*

- 1 E Lamp, pressure, paraffin, 400mm, 1.1 litres

*Equipment, medical, instruments*

- 1 E Instrument set, stitch removing

*Furniture, medical*

- 1 E Cupboard, dangerous drugs
- 1 E Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin
- 3 E Infusion Pumps

*Furniture, office*

- 1 E Dust bin
- 1 E Bench, wood, small
- 1 E Chair, wood
- 1 E Desk, wood
- 1 E Chair, armchair in office

*Hollow-ware / containers*

- 1 E Container, for sharps, for approx. 250 needles



### **1 Ward, Maternity, Sluice Room**

#### *Furniture, medical*

- 1 E Trolley, laundry, with rails & shelves, 610w x 460d x 860h mm

#### *Hollow-ware / containers*

- 1 E Dustbin

#### *Sundries, domestic*

- 1 E Cleaning utensils, set
- 1 E Laundry/linen bag

### **1 Ward, Maternity, Store**

#### *Furniture, office*

- 8 E Shelves, wood

### **1 Ward, Maternity, Ward, Delivery Room**

#### *Equipment, domestic*

- 1 E Lamp, pressure, paraffin, 400mm, 1.1 litres

#### *Equipment, domestic, kitchen*

- 1 E Stove, charcoal
- 1 E Stove, kerosine, 1.2 ltrs
- 1 E Stove, gas

#### *Equipment, domestic, lighting*

- 1 E Light, emergency, solar, with battery backup
- 1 E Light, gas

#### *Equipment, medical*

- 2 E Delivery bed
- 1 E Weighing scale, baby, basin type, 16 kg
- 1 E Suction Apparatus, foot operated
- 1 E Vacuum extractor

#### *Equipment, medical, anesthesia*

- 1 E Ambu bag , infant with mask

#### *Equipment, medical, sterilization sterilizers*

- 2 E Sterilizing unit, steam, pressure cooker type, dble rack, 84 syringes, fuel heated
- 1 L Autoclave, table top - (specs same as the other autoclave in District Hospital)

*Equipment, medical instruments*

- 1 E Diagnostic equipment set for HC
- 15 E Instrument set, delivery and suturing
- 3 E Instrument set, episiotomy and tears, extra
- 2 E Instrument set, dressing

*Equipment, office*

- 1 E Clock, wall type, with second hand, battery

*Furniture, medical*

- 1 E Cot, baby (bassinette), hospital-type
- 2 E Drip stand, double hook, adjustable height, on castors
- 2 E Screen, four fold, on castors
- 2 E Stool, surgeon's, adjustable height
- 2 E Trolley, instrument, with s/s shelves, anti-static castors, 600L x 450W x 800Hmm
- 1 E Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin

*Furniture, office*

- 1 E Cupboard, low, metal
- 1 E Foot step, one step
- 1 E Foot step, two step
- 1 E Chair, wood

*Hollow-ware / containers*

- 1 E Container, for sharps, for approx. 250 needles
- 1 E Dustbin
- 1 E Hollow ware, set, delivery room

**2 Wards, Maternity, Holding Room (Antenatal Room)**

*Furniture, medical*

- 2 E Bedside locker
- 1 E Drip stand, double hook, adjustable height, on castors
- 2 E Hospital bed, adult
- 2 E Mattress for hospital bed, adult

*Hollow-ware / containers*

- 1 E Dustbin
- 1 E Hollow ware set, ward, duty station

*Textile, domestic*

- 2 E Bed net, mosquito, single bed

## **1 Wards, Maternity, Ward Maternity**

### *Equipment, domestic*

- 2 E Lamp, paraffin, hurricane type

### *Furniture, medical*

- 8 E Bedside locker
- 4 E Drip stand, double hook, adjustable height, on castors
- 8 E Hospital bed, adult
- 8 E Mattress for hospital bed, adult
- 2 E Screen, four fold, on castors
- 1 E Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin

### *Furniture, office*

- 4 E Chair, wood

### *Hollow-ware / containers*

- 1 E Basin, wash, p/p, 400 mm diam.
- 1 E Dustbin

### *Textile, domestic*

- 8 E Bed net, mosquito, single bed

			<b>Laboratory and X-ray</b>
	<i>Building</i>		<b>Laboratory</b>
	<i>Department</i>		<b>Laboratory, Counter</b>
<b>1</b>			
<i>Furniture, office</i>		1 E	Basket, waste paper
		1 E	Stool, with backrest
		1	Bin, waste
		1	Chair, sampling
<b>1</b>			<b>Laboratory, Major</b>
<i>Equipment, domestic</i>		1	Thermometer, room temperature, wall mounted
<i>Equipment, domestic kitchen</i>		1	Hot plate
<i>Equipment, glassware</i>		2 E	Glassware/plasticware, set, laboratory, hospital level
		1	Pipetter, volumetric, graduated (2, 10, 20ul)
<i>Equipment, glassware</i>		1	Hot air, electric oven, 40 ltrs (glass drying cabinet)
		1	Sphygmomanometer digital
		1	Stethoscope
<i>Equipment, medical, laboratory</i>		1 E	Balance, laboratory, single pan, 2500 g / 0.1 g
		1 E	Balance, laboratory, single pan, precision, 300 g/0.01 g
		1 E	Burner, Bunsen
		1 E	Centrifuge, bench type, electric, 12 placer.
		1 E	Centrifuge, haematocrit, electric, with reader
		1 E	Colorimeter, with concentration reading
		2 E	Counter, differential, mechanical, 8-keys
		1 E	Counting chamber, Fuchs-Rosenthal ruling
		2 E	Counting chamber, Neubauer ruling, improved
		1 E	Distilling unit, electric, 4 ltr per hour
		2 E	ESR apparatus, Westergren, stand & pipettes
		2 E	Haemoglobinometer, Hemacue
		2 E	Microscope, binocular, moving mechanical stage, objectives: 10x, 40x, 100x; ocular: 10x
		1 E	Pipette, volumetric, micro, set
		1 E	Shaker, VDRL, rotator variable, electric, VDRL tests
		2 E	Tally counter
		3 E	Timer, interval, digital, 60 minx1min, with signal, spring-wound
		4 E	Urinometer, specific gravity, with test glass
		1 E	Water bath, with thermostat, 10 ltr
		1	Haematology analyzer 12 parameters
		1	Microscope, binocular, fluorescence CD4 Counter

1		Viral load equipment
1		Biosafety cabinet, class 1
1		Incubator 40 ltr, temperature range 10-100c
1		Mixer, vorter
1		Mixer, blood sample
1		Printer for haematology analyser
1		Key board for haematology analyser
1		Glucometer
1		Slide Filling cabinet
1		Slide drying Bench, electric
1		Stirrer, magnetic, with hot plate
1		Cylinder, gas
1		Analyser, blood (FBC Machine)
1		Analyser, chemistry
1		Balance, digital 0.2-600g
1		Water bath

*Equipment, medical, sterilization sterilizers*

1	E	Sterilizing unit, dry heat, medium, 20 litre
1	E	Sterilizing unit, steam, non vacuum, vertical, electric, medium, 39 litre

*Equipment, medical, surgical instruments*

1	E	Instrument set, laboratory, basic
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*Equipment, office*

1	E	Clock, wall type, with second hand, battery
1		Computer set with printer
1		Desk calculator
4		Uninterrupted power supply
4		Automatic voltage regulator

*Equipment, refrigeration*

1	E	Refrigerator, electrical, compressor type, 220 ltr
1	E	Refrigerator-freezer, electric/gas, absorption-cycle, 230ltr
1	E	Thermometer, fridge-freezing equipment

*Furniture, medical*

1	E	Water container with tap, narrow neck Capacity of container 10-25 Litre, inclusive basin
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*Furniture, office*

2	E	Basket, waste paper
1	E	Bench, wood
3	E	Chair, basic, metal
1	E	Cupboard, high, metal
6	E	Stool, wood
1	E	Office Desk
1		Computer Desk
1		Filing cabinet, metal, 4 drawers
2		Adjustable Lab stools

*Hollow-ware / containers*

1 E Hollow ware set, laboratory

*Tools, Miscellaneous*

1 E Anemometer, handheld

*Furniture, office*

**1 Laboratory, Store**

6 E Racks, storage, set

2 E Shelves, metal

*Building*

*Department*

**Laboratory and X-Ray**

**X-Ray**

**1 X-Ray, Reception**

*Furniture, Office*

1 Bench, wood

1 Desk, wood

1 Chair, wood

1 Cabinet, filing

**1 X-Ray, Film Processing**

*Equipment, medical, imaging  
X Ray*

1 E Hanger, developing, X-Ray, set

1 E Rack, drying, X-Ray film

2 E Safelight and filters

1 E Timer, dark room, X-Ray

1 E X-Ray film processor, manual, with tanks, heater, thermometer and thermostat

*Furniture, office*

2 E Basket, waste paper

1 E Cupboard, high, metal

1 E Stool, basic, metal

**1 X-Ray, Radiology**

*Equipment, medical*

1 E Light, examination, table model, articulated

*Equipment, medical, imaging  
X Ray*

1 E Cassette, ordinary, X-Ray film, set

1 Cassette, curved, X-Ray film, set

1 E Gloves, protective, X-ray, pair

1 E Marker, X-Ray, A-Z, character, lead mounted

1 E Marker, X-Ray, L-R, chrome plated, AP

1 E Rack, for apron and glove, X-Ray

1 E View box, X-Ray, PVC Coated

1 E X-Ray unit, Mobile

	1		X-ray Lead shields (in built or mobile)
	1		Actinic marker
<i>Equipment, office</i>			
	1	E	Clock, wall type, with second hand, battery
	1		Computer with printer
<i>Furniture, medical</i>			
	1	E	Examination couch, local, wood
<i>Furniture, office</i>			
	2	E	Chair, basic, metal
	1		Desk, wood
<i>Hollow-ware / containers</i>			
	1	E	Dustbin, pedal, s/s, 15 L
<i>Textile, clothing</i>			
	2	E	Apron, protective, X-Ray, lead
	<b>1</b>		<b>X-Ray, Store</b>
<i>Furniture, office</i>			
	1	E	Cupboard, high, metal
	4	E	Racks, storage, set
	1		X-Ray, Waiting Area

*Building*

*Department*

**1**

*Utilities, electricity supply*

**Generator room**

**Power Supply**

**Power Supply, Powerhouse, Generator Room**

1	E	Generator set, standby, 22 KVA, Diesel, 3 phase
		<b>Power Supply, Powerhouse, Store</b>

**Operating Theatre**

**Operating Theatre**

**Operating Theatre, Main**

**1**

*Equipment, medical*

1	E	Light, operating, ceiling mounted
1	E	Light, operating, mobile, with battery backup, 12V
2	E	Oxygen concentrator, 6ltr/min
		Suction apparatus, electric, 2 bottle, 2 x 2.5 litre capacity, 240V
1	E	Suction apparatus, foot operated
1	E	Table, operating, universal, hydraulic

1		Diathermy machine
1		Pulse oximeter
1		BP Machine, automatic
1		ECG with 3 leads

*Equipment, medical, anesthesia*

1	E	Anaesthesia apparatus, EMO, with OMV vaporizer
3	E	Cylinder, oxygen, with regulator
1	E	Instrument set, anaesthesia, general equipment
1	E	Resuscitator, manual, adult
1	E	Resuscitator, manual, infant
1		Resuscitaire with light source and warmer

Note: Additional

**3 OPD, Examination Room Clinical Officer**

*Equipment, medical*

		Chart, eye, vision testing, Snellen, alphabet/illiterate
1	E	
1	E	Light, examination, table model, articulated
		Weighing scale, adult, physician, with height measurement, metric, 140kgx100g with height measurement
1	E	
1		Suction pump foot operated or electric
1		Reflex hammer, solid rubber head
1		Protoscope adult/child
		Speculum, vaginal, medium; small and large; 2 pieces ea
20		
1		Depressor, tongue adult/child
3		Sphygmomanometer ; Mercury
3		Poised Lamp; free standing

*medical, imaging X Ray*

1	E	View box, X-Ray
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*Equipment, medical, laboratory*

1		Glucometer
1		Haemoglobinometer

*medical, surgical instruments*

1	E	Diagnostic equipment set for MD/CO
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*Equipment, office*

1	E	Clock, wall type, with second hand, battery
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*Furniture, medical*

1	E	Examination couch, local, wood
1	E	Screen, four fold, on castors
1		Drip stand, double hooked



<i>Furniture, office</i>	1	E	t, waste pape1r
	1	E	Bench, wood
	2	E	Chair, basic, metal
	1	E	Chair, office
	1	E	Cupboard, low, metal
	1	E	Desk, metal, 1300x700 mm
 <i>Hollow-ware / containers</i>			
	1	E	Hollow ware, set, consulting room
 <i>Sundries, Miscellaneous</i>			
			Tape measure, cloth
			Torch, examination, penlight
			<b>OPD, Family Planning (MCH, 1 Family Planning)</b>
			Light, examination, floor standing, articulated
1		E	
			Weighing scale, adult, physician, with height measurement, metric, 140kgx100g
1			
2			Sphygmomanometer; mercury
10			speculum; vaginal; medium
2			Poised Lamp; free standing
			Instrument set, insertion/removal, IUCD
2		E	
3			Norplant set, insertion/removal
10			Sponge holding forcep
20			Gall pots
1			Drum, sterilizing, small
2			Drum, sterilizing, medium
10			Forceps, curved, artery, small
10			Forceps, straight, artery, small
10			Forceps, straight, artery, large
5			Bowl, medium
10			Receiver, medium
3			Tray
6			Forcep, Cheatle
2			Holder, Cheatle
2			Scissors, curved
2			Scissors, straight
2		E	Tubal Ligation and Vasectomy Sets
2		E	Specullums small
2			Scope; vaginal and foetal

## 1 Maternity Delivery Unit

### *Equipment, domestic*

- 2 E Lamp, pressure, paraffin, 400mm, 1.1 litres
- 1 E Room heater, electric, wall mounted

### *Equipment, medical*

- 6 E Delivery bed
- 1 E Light, operating, mobile
- 1 E Suction apparatus, foot operated
- 2 E Vacuum extractor, manual, Bird's modification of Maelstrom
- 1 E Weighing scale, baby, basin type, 16 kg
- 3 Resuscitaire
- 1 Detector, foetal heart, ultrasonic, portable, Doppler
- 1 Wheel chair, adult
- 1 Stretcher, collapsible
- 1 Weighing scale (for placenta)
- 2 Vacuum extractor, manual, Bird's modification of Maelstrom
- 2 Delivery Packs; 2 small and large kidney dish ea., episiotomy scissors, stitch scissors, 2 cord clamps, dissecting forceps, and needle holder
- 2 Obstetrics Forceps
- 2 Wrigley's and mid-cavity forceps e.g. Neville Barnes or Anderson's

### *Equipment, medical, anaesthesia*

- 1 E Cylinder, oxygen, with regulator
- 2 E Ambu bag, with adult mask
- 1 E Ambu bag, with infant mask
- 1 Oxygen concentrator
- 1 Suction apparatus foot operated
- 1 Suction apparatus, electric

### *Equipment, medical, sterilization sterilizers*

- 1 E Sterilizing unit, steam, non vacuum, vertical, electric, medium, 39 ltr

### *Equipment, medical, surgical instruments*

- 2 E Diagnostic equipment set for MCH
- 20 E Instrument set, delivery and suturing
- 50 Needle holders
- 50 Disecting forcep
- 100 Cord clamps

# **PART II**

## **STANDARD EQUIPMENT LIST**

**FOR**

**‘TYPICAL COMMUNITY  
HOSPITAL’**



# PHYSICAL ASSETS MANAGEMENT

Standard List of Equipment for Health Centres and District Hospitals

## Model facilities: Proposed Equipment per Room

**Facility**      **Community Hospital**

**Beds: 50-200**

### **Minimum Priority Equipment**

**E Essential**

*Building*      **1 OPD**

*Department*      **OPD**

#### **3 OPD, Examination Room Clinical Officer**

##### *Equipment, medical*

- 1 E Chart, eye, vision testing, Snellen, alphabet/illiterate
- 1 E Light, examination, table model, articulated
- 1 E Weighing scale, adult, physician, with height measurement, metric, 140kgx100g with height measurement
- 1 Suction pump foot operated or electric
- 1 Reflex hammer, solid rubber head
- 1 Protoscope adult/child
  
- 20 Speculum, vaginal, medium; small and large; 2 pieces ea
- 1 Depressor, tongue adult/child
- 3 Sphygmomanometer ; Mercury
- 3 Poised Lamp; free standing

##### *Equipment, medical, imaging X Ray*

- 1 E View box, X-Ray

##### *Equipment, medical, laboratory*

- 1 Glucometer
- 1 Haemoglobinometer

##### *Equipment, medical, surgical instruments*

- 1 E Diagnostic equipment set for MD/CO

##### *Equipment, office*

- 1 E Clock, wall type, with second hand, battery

##### *Furniture, medical*

- 1 E Examination couch, local, wood
- 1 E Screen, four fold, on castors
- 1 Drip stand, double hooked

##### *Furniture, office*

- 1 E Basket, waste paper
- 1 E Bench, wood
- 2 E Chair, basic, metal
- 1 E Chair, office

*Equipment, medical*

- 1 E Cupboard, low, metal
- 1 E Desk, metal, 1300x700 mm

*Hollow-ware / containers*

- 1 E Hollow ware, set, consulting room

*Sundries, Miscellaneous*

- Tape measure, cloth
- Torch, examination, penlight

**1 OPD, Family Planning(MCH, Family Planning)**

- 1 E Light, examination, floor standing, articulated
- Weighing scale, adult, physician, with height measurement, metric, 140kgx100g
- 1
- 2 Sphygmomanometer; mercury
- 10 speculum; vaginal; medium
- 2 Poised Lamp; free standing

*Equipment, medical, surgical instruments*

- 2 E Instrument set, insertion/removal, IUCD
- 3 Norplant set, insertion/removal
- 10 Sponge holding forcep
- 20 Gall pots
- 1 Drum, sterilizing, small
- 2 Drum, sterilizing, medium
- 10 Forceps, curved, artery, small
- 10 Forceps, straight, artery, small
- 10 Forceps, straight, artery, large
- 5 Bowl, medium
- 10 Receiver, medium
- 3 Tray
- 6 Forcep, Cheatle
- 2 Holders, Cheatle
- 2 Scissors, curved
- 2 Scissors, straight
- 2 E Tubal Ligation and Vasectomy Sets
- 2 E Specullums small
- 2 Stethoscope; Littman type
- 2 Foetal Monaural
- 2 Pinard; plastic
- 2 Scope; vaginal and foetal

*Furniture, medical*

- 1 E Examination couch, with stirr ups
- 1 E Screen, four fold, on castors
- 1 E Step 2x, wood
- Trolley instruments with s/s shelves with anti static castors,
- 1 E 600 L x 450w x 800H mm

*Furniture, office*

- 3 E Chair, office
- 1 E Cupboard, low, metal, lockable
- 1 E Desk, metal, 1600x750 mm
- 1 E Kettle

*Hollow-ware / containers*

- 1 E Dustbin
- 1 E Tray, instrument, set of 12 sizes, covered, s/s, 305x254x51mm

### **1 OPD, First Aid**

#### *Equipment, medical*

- 1 E Light, operating, mobile, with battery backup, 12V
- 1 E Suction apparatus, foot operated
- 1 E Table, operating, mechanical, non-hydraulic
- 1 Oxygen Concentrator
- 1 Sphygmomanometer; mercury

#### *Equipment, medical, anesthesia*

- 1 E Cylinder, oxygen, with regulator, small, mobile
- 2 E Ambu bag, with adult mask
- 2 E Ambu bag, adult, infant

#### *Equipment, medical, imaging*

- 1 View Box, x ray

#### *Equipment, medical, sterilization sterilizers*

- Disinfectant, boiling water type, electric, s/s, int. dim.
- 1 E 510x310x140mm
- 1 E Sterilizing unit, steam, non vacuum, vertical, electric, medium, 39 ltr

#### *Equipment, medical, surgical instruments*

- 5 E Instrument set, dressing
- 2 E Instrument set, ENT, casualty
- 3 E Instrument set, minor surgery
- 6 E Instrument set, stitch removing
- 5 E Instrument set, suture
- 1 Chest drain set

#### *Equipment, office*

- 1 E Clock, wall type, with second hand, battery
- 1 Water kettle boiling, 2 ltr

#### *Furniture, medical*

- 1 E Cupboard, instruments, metal, glass door, 750x380x1700mm
- 3 E Drip stand, double hook, adjustable height, on castors
- 2 E Screen, four fold, on castors
- 1 E Stand, bowl, kick about
- 2 E Stool, surgeon's, adjustable height
- 1 E Stretcher, collapsible
  
- 1 E Trolley, dressing, with shelves, s/s, 600L x 450W x 800H mm.
- 4 Wheel chair

#### *Furniture, office*

- 1 E Bench, wood
- 1 E Cupboard, low, metal
- 1 Chair, office
- 1 Table, wood

#### *Hollow-ware / containers*

- 1 E Dustbin
- 1 E Hollow ware, set, treatment room
  
- 2 E Tray, instrument, set of 3 sizes, covered, s/s, 305x254x51mm

### **1 OPD, Injection/ Treatment Room**

#### *Equipment, medical*

- 1 E Light, examination, table model, articulated
- 1 E Suction apparatus, foot operated
- 1 E Table, operating, mechanical, non-hydraulic
- 1 Nebulizer
- 1 Suction apparatus, electrical
- 2 Sphygmomanometer; mercury

#### *Equipment, medical, sterilization sterilizers*

- Disinfectant, boiling water type, electric, s/s, int. dim.
- 1 E 510x310x140mm
- Sterilizing unit, steam, non vacuum, vertical, electric, medium,
- 1 E 39 ltr

#### *Equipment, medical, surgical instruments*

- 5 E Instrument set, dressing
- 3 E Instrument set, minor surgery
- 3 E Instrument set, stitch removing
- 5 E Instrument set, suture

#### *Equipment, office*

- 1 E Clock, wall type, with second hand, battery

#### *Furniture, medical*

- 1 E Cupboard, instruments, metal, glass door, 750x380x1700mm
- 1 E Drip stand, double hook, adjustable height, on castors
- 1 E Screen, four fold, on castors
- 1 E Stand, bowl, kick about
- 2 E Stool, surgeon's, adjustable height
- 1 E Stretcher, collapsible
  
- 1 E Trolley, dressing, with shelves, s/s, 600L x 450W x 800H mm.

#### *Furniture, office*

- 1 E Bench, wood
- 1 E Cupboard, low, metal

#### *Hollow-ware / containers*

- 1 E Dustbin, pedal, s/s, 15 L
- 1 E Hollow ware, set, treatment room
  
- 2 E Tray, instrument, set of 3 sizes, covered, s/s, 305x254x51mm



Building 2 MCH  
Department MCH  
1 MCH, ANT

*Equipment, medical*

- 1 E Light, examination, table model, articulated
- Weighing scale, adult, physician, with height measurement,
- 1 E metric, 140kgx100g
- Trolley, instrument with s/s shelves, anti static castors 600L x
- 1 450W x 800H m
- 1 Sphygmomanometer; Mercury
- 2 Stethoscope; Littman type
- 2 Foetal Monaural
- 2 Pinard; Plastic
- 2 Speculum; medium
- 2 Scope; vaginal and foetal

*Equipment, medical, surgical instruments*

- 1 E Diagnostic equipment set for MCH

*Furniture, medical*

- 1 E Examination couch, local, wood
- 1 Step 2x, wood

*Furniture, office*

- 1 E Bin, waste
- 1 E Bench, wood
- 1 E Cabinet, keys
- 2 E Chair, basic, metal
- 1 E Chair, office
- 1 E Cupboard, high, metal
- 1 E Desk, metal, 1300x700 mm
- Sets of Infection Prevention Equipment ( for
- 2 E Decomtamination and cleaning )

**1 MCH, Multi Function Room**

*Equipment, domestic, kitchen*

- 1 E Water kettle, boiling, 2ltr

*Equipment, medical*

- 1 E Light, examination, table model, articulated
- 1 E Weighing scale, baby, basin type, 16 kg
- 1 E Weighing scale, toddler, springtype

*Equipment, medical, sterilization sterilizers*

- Sterilizing unit, steam, pressure cooker type, dble rack, 84
- 1 E syringes, fuel heated

*Equipment, medical, surgical instruments*

- 1 E Diagnostic equipment set for MCH

*Furniture, medical*

- 1 E Examination couch, local, wood

*Furniture, office*

- 1 E Basket, waste paper
- 2 E Bench, wood
- 3 E Chair, basic, metal
- 1 E Cupboard, high, metal

- 1 E Desk, metal, 1600x750 mm
- 1 E Filing cabinet, 2 drawer
- 1 E Table, metal

*Hollow-ware / containers*

- 1 E Hollow ware, set, treatment room
- 1 E Jug, measuring, graduated in mls & ozs, 2ltr
  
- 2 E Tray, instrument, set of 3 sizes, covered, s/s, 305x254x51mm

*Building*            **3 Laboratory**  
*Department*       **Laboratory**  
**1 Laboratory, Counter**

*Furniture, office*

- 1 E Basket, waste paper
- 1 E Stool, with backrest
- 1 Bin, waste
- 1 Chair, sampling

**1 Laboratory, Major**

*Equipment, domestic*

- 1 Thermometer, room temperature, wall mounted

*Equipment, domestic kitchen*

- 1 Hot plate

*Equipment, glassware*

- 2 E Glassware/plasticware, set, laboratory, hospital level
- 1 Pipetter, volumetric, graduated (2, 10, 20ul)

*Equipment, glassware*

- 1 Hot air, electric oven, 40 ltrs (glass drying cabinet)
- 1 Sphygmomanometer digital
- 1 Sthethoscope

*Equipment, medical, laboratory*

- 1 E Balance, laboratory, single pan, 2500 g / 0.1 g
- 1 E Balance, laboratory, single pan, precision, 300 g/0.01 g
- 1 E Burner, Bunsen
- 1 E Centrifuge, bench type, electric, 12 place.
- 1 E Centrifuge, haematocrit, electric, with reader
- 1 E Colorimeter, with concentration reading
- 2 E Counter, differential, mechanical, 8-keys
- 1 E Counting chamber, Fuchs-Rosenthal ruling
- 2 E Counting chamber, Neubauer ruling, improved
- 1 E Distilling unit, electric, 4 ltr per hour
- 2 E ESR apparatus, Westergren, stand & pipettes
- 2 E Haemoglobinometer, Hemacue
- Microscope, binocular, moving mechanical stage, objectives:
- 2 E 10x, 40x, 100x; ocular: 10x
- 1 E Pipette, volumetric, micro, set
- 1 E Shaker, VDRL, rotator variable, electric, VDRL tests
- 2 E Tally counter

- 3 E Timer, interval, digital, 60 minx1min, with signal, spring-wound
- 4 E Urinometer, specific gravity, with test glass
- 1 E Water bath, with thermostat, 10 ltr
- 1 Haematology analyzer 12 parameters
- 1 Microscope, binocular, fluorescence
- 1 CD4 Counter
- 1 Viral load equipment
- 1 Biosafety cabinet, class 1
- 1 Incubator 40 ltr, temperature range 10-100c
- 1 Mixer, vorter
- 1 Mixer, blood sample
- 1 Printer for haematology analyser
- 1 Keyboard for haematology analyser
- 1 Glucometer
- 1 Slide Filling cabinet
- 1 Slidedrying Bench, electric
- 1 Stirrer, magnetic, with hot plate
- 1 Cylinder, gas
- 1 Analyser, blood (FBC Machine)
- 1 Analyser, chemistry
- 1 Balance, digital 0.2-600g
- 1 Water bath

*Equipment, medical, sterilization sterilizers*

- 1 E Sterilizing unit, dry heat, medium, 20 litre
- 1 E Sterilizing unit, steam, non vacuum, vertical, electric, medium, 39 ltr

*Equipment, medical, surgical instruments*

- 1 E Instrument set, laboratory, basic

*Equipment, office*

- 1 E Clock, wall type, with second hand, battery
- 1 Computer set with printer
- 1 Desk calculator
- 4 Uninterrupted power supply
- 4 Automatic voltage regulator

*Equipment, refrigeration*

- 1 E Refrigerator, electrical, compressor type, 220 ltr
- 1 E Refrigerator-freezer, electric/gas, absorption-cycle, 230ltr
- 1 E Thermometer, fridge-freezing equipment

*Furniture, medical*

- 1 E Water container with tap, narrow neck Capacity of container 10-25 Litre, inclusive basin

*Furniture, office*

- 2 E Basket, waste paper
- 1 E Bench, wood
- 3 E Chair, basic, metal
- 1 E Cupboard, high, metal
- 6 E Stool, wood
- 1 E Office Desk
- 1 Computer Desk

- 1 Filing cabinet, metal, 4 drawers
- 2 Adjustable Lab stools

*Hollow-ware / containers*

- 1 E Hollow ware set, laboratory

*Tools, Miscellaneous*

- 1 E Anemometer, handheld

**1 Laboratory, Store**

*Furniture, office*

- 6 E Racks, storage, set
- 2 E Shelves, metal

**Building 4 Blood bank**

**Department Blood Bank**

**1 Blood Bank, Blood Bank**

*Equipment, refrigeration*

- 1 E Blood bank refrigerator with 24 Hr temperature recorder with sound and visual alarm temperature setting failure; electric
- 2 E 230 VAC with AVR, 169-250V range, 1000 watts
- 1 E water Bath, 230 VAC, 50 HZ BS Plug with AVR
- 1 E serology centrifuge; 24 placer, 230VAC, 50 HZ with AVR
- 1 E Deep Frezer, Chest-type, transparent 2-door panel; 230 VAC, 50 HZ. With AVR
- 10 E Cold Chain Boxes
- 5 E Thermometers; Dial Type
- 1 E Binocular Microscope, 230 VAC, 50 HZ; preferably Olympus Brand
- 5 E Racks, Test Tubes; Stainless Steel; with handle; 10 ho;es
- 100 E TestTubes, European Standards or equivalent+

*Equipment, medical*

- 1 Weighing scale, adult, bathroom
- 2 Boold grouping tiles
- 1 Blood weighing scale

*Furniture, Office*

- 1 Donor bleeding coach
- 2 Stool, wood
- 1 Table, wood

**Building 5 Dental Department**

**Department Dental Department**

**1 Dental Department, Treatment Room**

*Equipment, medical*

- 1 E Light, examination, floor standing, articulated
- 1 Suction machine, mobile
- 1 Sphygmomanometer

*Equipment, medical, anaesthesia*

- 10 Gags, mouth

*Equipment, medical, imaging X-ray*

- 1 Dental x ray, wall mounted
- 1 Dental x-ray film processor, table top, manual
- 1 Dental x-ray film viewer
- 1 View Box, x-ray
- 1 X-ray hangers, cepharomic

*Equipment, medical, dental*

- 1 E Dental chair, mechanical  
Dental unit, complete with chair, cuspidor, compressor,  
operating lamp, air-turbine drill, suction unit, Mayo table
- 1 Amalgamator
- 2 Dental light, examining, floor standing
- 1 Ultrasonic scaler
- 1 Light, UV, composite curing machine

*Equipment, medical, sterilization sterilizers*

- 1 E Sterilizing unit, steam, non vacuum, vertical, electric, medium,  
39 ltr

*Equipment, medical, surgical instruments*

- 2 E Instrument set, dental, hand
- 10 ART Instrument Set
- 10 Scissors, mayo
- 10 Forcep, Wire
- 10 Forcep, tissue holder
- 10 Scalpel blades

*Furniture, medical*

- 1 E Cupboard, instruments, metal, glass door, 750x380x1700mm
- 1 E Stool, surgeon's, adjustable height
- 1 E Trolley, instrument, with s/s shelves, anti-static castors, 600L  
x 450W x 800H mm
- 1 Table, wood
- 1 Chair, wood
  
- 1 Trolley, laundry, with rails & shelves, 610w x 460d x 860h mm
  
- 1 Trolley, dressing, wuth shelves, s/s 600l x 450w x 800H mm
- 1 Cabinet, instrument
- 2 Stool, surgeon's, adjustable height

*Furniture, office*

- 2 E Chair, office
- 1 E Cupboard, low, metal
- 1 E Desk, wood
  
- 1 E Dustbin
- 1 E Hollow ware, set, treatment room
  
- 2 E Tray, instrument, set of 3 sizes, covered, s/s, 305x254x51mm

Building 6 X-Ray

Department X-Ray

**1 X-Ray, Reception**

*Furniture, Office*

- 1 Bench, wood
- 1 Desk, wood
- 1 Chair, wood
- 1 Cabinet, filing

**1 X-Ray, Film Processing**

*Equipment, medical, imaging X Ray*

- 1 E Hanger, developing, X-Ray, set
- 1 E Rack, drying, X-Ray film
- 2 E Safelight and filters
- 1 E Timer, dark room, X-Ray
- 1 E X-Ray film processor, manual, with tanks, heater, thermometer and thermostat

*Furniture, office*

- 2 E Basket, waste paper
- 1 E Cupboard, high, metal
- 1 E Stool, basic, metal

**1 X-Ray, Radiology**

*Equipment, medical*

- 1 E Light, examination, table model, articulated

*Equipment, medical, imaging X Ray*

- 1 E Cassette, ordinary, X-Ray film, set
- 1 Cassette, curved, X-Ray film, set
- 1 E Gloves, protective, X-ray, pair
- 1 E Marker, X-Ray, A-Z, character, lead mounted
- 1 E Marker, X-Ray, L-R, chrome plated, AP
- 1 E Rack, for apron and glove, X-Ray
- 1 E View box, X-Ray, PVC Coated
- 1 E X-Ray unit, ceiling suspended, Mobile x-ray unit
- 1 Stationery grids
- 1 X-ray Lead shields (in built or mobile)
- 1 Actinic marker

*Equipment, office*

- 1 E Clock, wall type, with second hand, battery
- 1 Computer with printer

*Furniture, medical*

- 1 E Examination couch, local, wood

*Furniture, office*

- 2 E Chair, basic, metal
- 1 Desk, wood

*Hollow-ware / containers*

- 1 E Dustbin, pedal, s/s, 15 L

*Textile, clothing*

- 2 E Apron, protective, X-Ray, lead

## 1 X-Ray, Store

### *Furniture, office*

- 1 E Cupboard, high, metal
- 4 E Racks, storage, set
- 1 X-Ray, Waiting Area

### *Furniture, office*

- 1 Coach, examining
- 1 Adjustable height stool

## 1 Filing room

### *Furniture, Office*

- 1 Shelves, wood
- 1 Bench, wood
- 1 Stool, wood
- 1 Chair, wood

## 1 Viewing Room

### *Equipment, medical, imaging, x-ray*

- 1 View Box, x-ray, 2x

### *Furniture, office*

- 1 Adjustable height stool

## 1 X-ray, Waiting Area

### *Furniture, Office*

- 2 E Bench, wood

## *Building* 7 Operating Theatre

### *Department* Operating Theatre

## 1 Operating Theatre, Main

### *Equipment, medical*

- 1 E Light, operating, ceiling mounted
- 1 E Light, operating, mobile, with battery backup, 12V
- 2 E Oxygen concentrator, 6ltr/min
- Suction apparatus, electric, 2 bottle, 2 x 2.5 litre capacity, 240V
- 1 E Suction apparatus, foot operated
- 1 E Table, operating, universal, hydraulic
- 1 Diathermy machine
- 1 Pulse oximeter
- 1 BP Machine, automatic
- 1 ECG with 3 leads
- 1 NIBP Machine
- 1 Oesophageal stethoscope
- 1 Pressure pump
- 1 Boiler ( Instrument Sterilizer; Fully Automatic )
- 1 BP Machine, Mercury

### *Equipment, medical, anesthesia*

- 1 E Anaesthesia apparatus, EMO, with OMV vaporizer
- 3 E Cylinder, oxygen, with regulator
- 1 E Instrument set, anaesthesia, general equipment

- 1 E Resuscitator, manual, adult
- 1 E Resuscitator, manual, infant
- 1 Resuscitaire with light source and warmer

*Equipment, medical, imaging X Ray*

- 1 E View box, X-Ray, PVC Coated

*Equipment, medical, surgical instruments*

- 1 E Diagnostic equipment set for MD/CO
- 1 E Instrument set, anaesthesia, intubation
- 1 E Instrument set, anaesthesia, local/regional drug techniques
- 1 E Instrument set, anaesthesia, paediatric
- 1 E Instrument set, anaesthesia, valves, masks
- 2 E Instrument set, Caesarean section
- 3 E Instrument set, dilatation and curettage
- 2 E Instrument set, general surgery, large
- 6 E Instrument set, hernia / hydrocoelelectomy
- 1 E Instrument set, hysterectomy
- 2 E Instrument set, IV cut-down
- 1 E Instrument set, laparotomy
- 1 E Instrument set, lumbar puncture, adult
- 1 E Instrument set, lumbar puncture, paediatric
- 1 E Instrument set, orthopaedic
- 1 E Instrument set, skin biopsy
- 1 E Instrument set, skin graft
- 4 E Instrument set, stitch removing
- 1 E Instrument set, tracheostomy
- 1 E Instrument set, tubal ligation
- 1 E Instrument set, urology
- 1 E Instrument set, vasectomy

*Equipment, office*

- 1 E Clock, wall type, with second hand, battery

*Equipment, Refrigeration*

- 1 Refrigerator for drugs

*Furniture, medical*

- 1 E Cupboard, dangerous drugs
- 2 E Cupboard, instruments, metal, glass door, 750x380x1700mm
- 1 E Drip stand, double hook, adjustable height, on castors
- 1 E Stand, bowl, kick about
- 6 E Stool, surgeon's, adjustable height
- 1 E Table, Mayo, with anti-static castors and complete with s/s tray, 500w x 380d x 25h mm
- 1 E Trolley, instrument, with s/s shelves, anti-static castors, 600L x 450W x 800H mm
- 2 E x 450W x 800H mm
- 4 E Trolley, patient, with removable stretcher

*Hollow-ware / containers*

- 1 E Hollow ware set, theatre
- 6 Bin, waste

*Sundries, medical*

- 5 E Boots, operating, white with black sole, size 10
- 5 E Boots, operating, white with black sole, size 8
- 5 E Boots, operating, white with black sole, size 7



- 5 E Clogs, theatre
- 5 E Clogs, theatre, White, size 9

### **1 Changing room, Locker area**

#### *Furniture, Office*

- 2 E Bench, wood
- 2 E Locker, 5 compartment

### **2 Operating Theatre, Store (One for sterile packs, another for sundries )**

#### *Sundries, domestic*

- 1 E Cleaning utensils, set

### **1 Recovery Room**

#### *Equipment, medical*

- 1 E Suction apparatus, electric, 1 bottle, 2 ltr
- Pulse Oximeter
- 1 Sphygmomanometer

#### *Furniture, medical*

- 2 E Bed, hospital, with sliding side rails
- 1 E Drip stand, couple hook, adjustable height, on castors

#### *Furniture, office*

- 1 E Chair, office
- 1 E Cupboard, low, metal
- 1 E Desk, wood
- Heater, room

### **1 Sluice Room**

#### *Furniture, medical*

- 2 E Trolley, laundry

3sa

#### *Hallow are/containers*

- 1 E Dustbin
- 1 E Basin, wash, p/p, 400 mm diam.

### **2 Changing room (1 for male, another for female)**

- 1 Trolley, laundry, with rails and shelves, 610w x 460d x 860h mm)

### **1 Surgeon's Office**

(No equipment list submitted)

### **1 Anaesthetist Office**

(No equipment list submitted)

### **1 Nurses Office**

(No equipment list submitted)

### **1 Receptionist Office**

(No equipment list submitted)

### **1 Receptionist Office**

- 1 Suction machine, foot operated
- 1 Recovery be with side rails
- 1 Sphygmomanometer

- 1 Pulse Oximeter
- 1 Room heater

**Building 8 Maternity**

**Department Maternity**

**1 Maternity, Delivery Unit**

*Equipment, domestic*

- 2 E Lamp, pressure, paraffin, 400mm, 1.1 litres
- 1 E Room heater, electric, wall mounted

*Equipment, medical*

- 6 E Delivery bed
- 1 E Light, operating, mobile
- 1 E Suction apparatus, foot operated
  
- 2 E Vacuum extractor, manual, Bird's modification of Maelstrom
- 1 E Weighing scale, baby, basin type, 16 kg
- 3 Resuscitaire
- 1 Detector, foetal heart, ultrasonic, portable, Doppler
- 1 Wheel chair, adult
- 1 Stretcher, collapsible
- 1 Weighingscale (for placenta)
  
- 2 Vacuum extractor, manual, Bird's modification of Maelstrom
- DeliveryPacks; 2 small and large kidney dish ea., episiotomy
- scissors, stitch scissors, 2 cord clamps, dissecting
- 2 forceps,and needle holder
- 2 Obstetrics Forceps
- Wrigley's and mid-cavity forceps e.g. Neville Barnes or
- Anderson's
- 2 Infusion Pumps

*Equipment, medical, anaesthesia*

- 1 E Cylinder, oxygen, with regulator
- 2 E Ambu bag, with adult mask
- 1 E Ambu bag, with infant mask
- 1 Oxygen concentrator
- 1 Suction apparatus foot operated
- 1 Suction apparatus, electric

*Equipment, medical, sterilization sterilizers*

- Sterilizing unit, steam, non vacuum, vertical, electric, medium,
- 1 E 39 ltr

*Equipment, medical, surgical instruments*

- 2 E Diagnostic equipment set for MCH
- 20 E Instrument set, delivery and suturing
- 50 Needle holders
- 50 Disecting forcep
- 100 Cord clamps

*Equipment, office*

- 3 E Clock, wall type, with second hand, battery
- 2 E Kettle

*Furniture, medical*

- 1 E Cot, baby (bassinette), hospital-type
- 1 E Cupboard, dangerous drugs
  
- 1 E Cupboard, instruments, metal, glass door, 750x380x1700mm
- 3 E Drip stand, double hook, adjustable height, on castors
- 6 E Stand, bowl, kick about
- 3 E Stool, surgeon's, adjustable height
- 3 E Trolley, instrument, with s/s shelves, anti-static castors, 600L x 450W x 800H mm
- 3 Step x2, wood

*Furniture, office*

- 1 E Cupboard, low, metal

*Hollow-ware / containers*

- 1 E Hollow ware, set, delivery room
  
- 2 E Tray, instrument, set of 3 sizes, covered, s/s, 305x254x51mm

**1 Maternity, First Stage Labour**

*Equipment, medical*

- 1 E Detector, foetal heart, ultrasonic, portable, Doppler
- 2 E Stethoscope, foetal, monaural, Pinard, plastic
- 1 Weighing scale, bathroom, adult
- 1 Oxygen concentrator
- 1 Trolley, drug
- 3 Stool
- Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin
- 2 BP machine, Mercury Type and aneroid
- 3 Thermometers; glass

*Equipment, medical, surgical instruments*

- 1 E Diagnostic equipment set for ward/nurse

*Furniture, medical*

- 2 E Drip stand, double hook, adjustable height, on castors
- 2 E Hospital bed, adult
- 2 E Mattress for hospital bed, adult

**1 Maternity, Midwife Office**

*Furniture, office*

- 1 E Dustbin with cover
- 1 E Chair, armchair office
- 2 E Chair, basic, metal
- 1 E Cupboard, low, metal
- 1 E Desk, metal
- 2 Kettle, boiling, 2 ltr

**1 Maternity, Premature Room**

*Equipment, domestic*

- 2 E Room heater, electric, wall mounted

*Equipment, medical*

- 2 E Incubator, infant
- 1 E Oxygen concentrator, 6ltr/min
- 1 E Phototherapy unit, infant, with accessories
- 1 E Weighing scale, infant, metric, 15.5kgx5g

*Equipment, medical, anaesthesia*

- 1 E Cylinder, oxygen, with regulator
- 1 E Resuscitator, manual, infant

*Furniture, medical*

- 4 E Cot, baby (bassinette), hospital-type
- 1 E Screen, four fold, on castors
- Stool

*Furniture, office*

- 2 E Bench, wood

**Building 9 Wards**

**Department Wards**

**10 Wards, Amenity, Single Room**

*Furniture, medical*

- 2 E Bedside locker
- 2 E Hospital bed, adult
- 2 E Mattress for hospital bed, adult
- 2 Drip stand double hook

*Furniture, office*

- 2 E Chair, basic, metal

**1 MVA Room (usually located in femal ward in most districts)**

*Equipment, medical*

- 1 Angle poised lamp
- 1 Trolley with castors
- 1 Trolley static/counter
- 1 Stool
- 1 Couch with stirrup
- 1 Bin, pedal
- 1 Cupboard, lockable
- 1 Sphygmomanometer
- 1 Thermometer
- 1 Drip stand, double hooked
- 3 Infusion Pumps

*Equipment, medical, instrument*

- 5 MVA sets

*Hallow ware/Containers*

- 4 Instrument trays
  - large kidney dish; vaginal speculum, both bilabial ( Cuscos )
  - and Sims, Auvard speculum, galipot, volsellum forceps,
  - sponge holding forceps, Cheattles forceps and holders for the
  - forceps

### **9 Wards, Nurse Duty Station**

*Equipment, domestic*

- 1 E Lamp, pressure, paraffin, 400mm, 1.1 litres Heaters

*Equipment, domestic, kitchen*

- 1 E Water kettle, boiling, 2ltr

*Equipment, medical*

- 5 Thermometer; glass
- 3 BP machines; mercury and aneroid type

*Equipment, medical, sterilization sterilizers*

- Disinfector, boiling water type, electric, large, s/s, int. dim.
- 1 E 685x508x432mm

*Equipment, office*

- 1 E Clock, wall type, with second hand, battery

*Furniture, office*

- 2 E Chair, basic, metal
- 2 E Chair, office
- 1 E Cupboard, low, metal
- 1 E Desk, metal, 1300x700 mm
- 1 E Shelves, metal
- 1 Trolley, drug, with castors, metal

*Hollow-ware / containers*

- 1 E Hollow ware set, ward, duty station

### **9 Wards, Sluice Room**

*Furniture, office*

- 2 E Racks, storage, set
- 2 Auto bin with wheels
- 1 Trolley, laundry, with rails & shelves

*Hollow-ware / containers*

- 1 E Dustbin with lid

### **9 Wards, Standard**

*Equipment, medical*

- 1 Suction Pump with ambu bag
- 1 Nebulizer
- 1 Oxygen concentrator
- 2 Infusion Pumps

*Equipment, medical, sterilization sterilizers*

- Disinfector, boiling water type, electric, s/s, int. dim.
- 1 E 510x310x140mm

*Equipment, medical, surgical instruments*

- 2 E Diagnostic equipment set for ward/nurse
- 5 E Instrument set, dressing
- 1 E Instrument set, IV cut-down
- 8 E Instrument set, stitch removing

*Furniture, medical*

- 20 E Bedside locker
- 2 E Cradle, burns
- 6 E Drip stand, double hook, adjustable height, on castors
- 15 E Hospital bed, adult
- 5 E Hospital bed, child, with sliding, side-rails
- 15 E Mattress for hospital bed, adult
- 5 E Mattress for hospital bed, child
- 4 E Screen, four fold, on castors
- 1 E Stand, bowl, kick about
  
- 2 E Trolley, dressing, with shelves, s/s, 600L x 450W x 800H mm.
- Trolley, instrument, with s/s shelves, anti-static castors, 600L
- 1 E x 450W x 800H mm
- 4 Back rest, adult bed
- 1 Stretcher, collapsible
- 1 Wheel chair

*Hollow-ware / containers*

- 4 E Tray, instrument, set of 12 sizes, covered, s/s, 305x254x51mm

**9 Wards, Store**

*Furniture, office*

- 4 E Racks, storage, set

**Building 10 Central Sterilization Department**

**Department Central Sterilization Department**

**1 Central Sterilization Department, Sterilisation Room**

*Equipment, domestic*

- 1 E Lamp, pressure, paraffin, 400mm, 1.1 litres

*Equipment, domestic, kitchen*

- 1 E Hot plate, medium, 2000W, 240V
- 1 E Stove, charcoal
- 1 E Stove, kerosene, pressure type, 1 burner, 2 ltrs

*Equipment, medical, laboratory*

- 2 E Timer, interval, mechanical, 60 minx1min, with signal, spring-wound

*Equipment, medical, sterilization sterilizers*

- 1 E Disinfecter, boiling water type, electric, s/s, int. dim. 510x310x140mm
- 1 E Disinfecter, boiling water type, electric, large, s/s, int. dim. 685x508x432mm
- 1 E Sterilizing unit, steam, non vacuum, vertical, fuel, medium, 39 ltr
- 2 E Sterilizing unit, steam, non-vacuum, automatic, table top, small, high speed 134°C
- 1 E Sterilizing unit, steam, vacuum, vertical, electric/fuel, large, 76 ltr

*Furniture, medical*

- Trolley, instrument, with shelves, s/s, 600L x 400W x 800H
- 2 E mm

*Furniture, office*

- 2 E Chair, basic, metal
- 2 E Shelves, metal
- 1 E Stool, basic, metal
- 1 E Table, metal

*Hollow-ware / containers*

- 1 E Dustbin
  
- 4 E Tray, instrument, set of 3 sizes, covered, s/s, 305x254x51mm

**Central Sterilization Department, Store**

*Furniture, office*

- 4 E Racks, storage, set

*Building*      **11 Pharmacy**

*Department*      **Pharmacy**

**1 Pharmacy, Dispensary**

*Equipment, glassware*

- 1 Soap dispenser, wall mounted
- 1 Coat hook 17 Premium may HFF B1620
- Cylinder measuring glass 10ml
- Cylinder measuring glass 100ml
- Rod stirring, glass 230 x 6 mm

*Equipment, glassware*

- 10 Counting device, tablet/capsule
- 2 Photo electric cell counters

*Equipment, Refrigeration*

- 1 Refrigerator

*Furniture, medical*

- 1 Cabinet, drug

*Furniture, office*

- 3 E Basket, waste paper
- 1 E Chair, armchair office
- 5 E Chair, basic, metal
- 2 E Cupboard, high, metal
- 2 E Cupboard, low, metal
- 1 E Desk, metal, 1600x750 mm
- 10 E Racks, storage, set
- 2 E Stool, with backrest
- 1 Air conditioner
- 1 Bench, wood

**1 Pharmacy, Preparation Room**

*Equipment, glassware*

- 3 E Glassware, set, pharmacy

*Equipment, medical, laboratory*

- 2 E Balance, chemical, 2kg/0.1g
- 2 E Balance, dispensing, 100g/10mg
- 2 Distilling unit
- 1 Electric mixer
- 3 Bucket, 50 litres (for making preparations)

*Equipment, refrigeration*

- 1 E Refrigerator, electrical, compressor type, 220 ltr

*Furniture, office*

- 2 E Chair, basic, metal
- 2 E Cupboard, high, metal
- 2 E Stool, basic, metal

**1 Pharmacy, Store**

*Furniture, office*

- 80 E Rack, storage, set
- 1 Desk, wood
- 6 Air conditioner
- 1 Chair, armchair office
- 2 Cupboard, high, metal
- 2 Fan, desk model
- 2 Calculator, desk

*Furniture, Medical*

- 4 Trolley, dispensing 2 SHELVES,
- 2 Trolley, flat form truck
- 1 Cupboard, Drugs, with DDA compartment

*Equipment, refrigeration*

- 4 Refrigerator, electric

*Equipment, domestic*

- 2 Ladder

**1 Pharmacy, Store**

*Furniture, office*

- 2 Desk, wood
- 2 Chair, armchair office
- 2 Desk utensil set
- 2 Basket, waste paper
- 5 Chair, wood
- 2 Fan, desk model
- 1 Room Heater, electric
- 1 clock, wall type, with second hand
- 1 Computer set
- 3 UPS/AVR
- 1 Printer

**1 Pharmacy, Dispatch Room**

*Equipment, refrigeration*

- 1 Refrigerator

*Furniture, office*



- 2 Basket, waste paper
- 5 Chair, metal
- 2 Fan, desk model

**Building 12 Mortuary**

**Department Mortuary**

**1 Mortuary, Mortuary**

*Equipment, medical, surgical instruments*

- 1 E Instrument set, post-mortem

*Equipment, medical*

- 1 Trolley, patient (for dead bodies)

**1 Mortuary, Office**

*Furniture, office*

- 1 E Basket, waste paper
- 2 E Chair, basic, metal
- 1 E Chair, office
- 1 E Cupboard, low, metal
- 1 E Desk, metal, 1300x700 mm

**1 Mortuary, Store**

*Furniture, office*

- 1 E Cupboard, high, metal
- 4 E Racks, storage, set

**Building 13 Administration**

**Department Administration**

**1 Administration, Conference Room/Library**

*Equipment, office*

- 1 E Projector, overhead
- 1 E Projector, slide
- 1 E Video recorder

*Furniture, office*

- 2 E Basket, waste paper
- 10 E Chair, basic, metal
- 1 E Cupboard, high, metal
- 10 E Shelves, wood
- 1 E Table, conference

*Information, teaching aids*

- 1 E Screen, projector
- 1 E TV, monitor

**1 Administration, Medical Director Office**

*Furniture, office*

- 1 E Cabinet, keys
- 2 E Chair, armed
- 1 E Chair, executive
- 1 E Cupboard, high, metal
- 1 E Cupboard, low, metal
- 1 E Desk, metal, 1600x750 mm

**1 Administration, Office, Accountant**

*Equipment, office*

- 1 E Calculator, electronic, with paper roll printer
- Computer set

*Furniture, office*

- 1 E Basket, waste paper
- 1 E Chair, armchair office
- 2 E Chair, basic, metal
- 1 E Cupboard, high, metal
- 1 E Desk, metal, 1600x750 mm
- 2 E Filing cabinet, 4 drawers
- 1 E Safe, floor standing, small  
Bookshelf

### **1 Administration, Office, Administrator**

#### *Equipment, office*

- Computer equipment, Includes CPU, monitor, keyboard,
- 1 E printer and UPS
- 1 E Computer, printer
- 1 E Software package, basic  
Photocopier

#### *Equipment, Refirgeration*

Refrigerator

#### *Furniture, office*

- 1 E Basket, waste paper
- 1 E Chair, armchair office
- 1 E Chair, basic, metal
- 1 E Cupboard, high, metal
- 1 E Desk, metal, 1600x750 mm
- 1 E Filing cabinet, 4 drawers

### **1 Administration, Office, Matron**

#### *Furniture, office*

- 1 E Basket, waste paper
- 1 E Cabinet, keys
- 1 E Chair, armchair office
- 2 E Chair, office
- 1 E Cupboard, high, metal
- 1 E Desk, metal, 1600x750 mm
- 1 E Filing cabinet, 4 drawers

### **1 Administration, Office, Secretary**

#### *Equipment, office*

- 1 E Typing machine, manual, English

#### *Furniture, office*

- 1 E Basket, waste paper
- 2 E Chair, office
- 1 E Desk, metal, 1300x700 mm
- 2 E Filing cabinet, 4 drawers
- 1 Swivel chair

### **1 Administration, Reception**

#### *Equipment, communications*

- 1 E Radio communication, FM Transceiver, 100Watt DC input
- 1 E Telephone exchange 5/36

#### *Furniture, office*

- 1 E Chair, armchair office
- 1 E Desk, metal, 1600x750 mm
- 5 Chair, wood

### **1 Administration, Staff Tea Room**

*Equipment, domestic, kitchen*

- 1 E Water kettle, boiling, 2ltr
- 10 Chair, wood
- 2 Table, long, wood

### **1 Administration, Stores**

*Furniture, office*

- 8 E Shelves, wood

**Building 14 Kitchen**

**Department Kitchen**

#### **1 Kitchen, Store**

*Furniture, office*

- 10 E Racks, storage, set
- 4 E Shelves, metal

*Equipment Domestic, Kitchen*

- Serving laddles
- Heavy duty Hot plate
- Cooker (Defy)
- Butcher Knives
- Stirring sticks
- Food warmers
- Assorted cooking pots
- Trolley, food

*Equipment, refrigeration*

- Cold room

### **1 Kitchen, Wet Area**

*Furniture, office*

- 4 E Racks, storage, set
- 2 E Table, metal

*Hollow-ware / containers*

- 1 E Dustbin

**Building 15 Laundry**

**Department Laundry**

#### **Laundry, Laundry Area**

*Equipment, domestic*

- 1 E Sewing machine, electric/pedal

*Equipment, domestic, laundry*

- 1 E Dryer, laundry, institutional
- 1 E Hydro extractor, laundry, institutional
- 2 E Iron, charcoal
- 2 E Iron, electric, steam and dry
  
- 1 E Ironing machine, laundry, institutional, calender (2 Rollers)
- 2 E Washing machine, laundry, cap 30 kg

*Furniture, office*

- 1 E Basket, waste paper
- 2 E Chair, basic, metal
- 1 E Cupboard, high, metal

#### **Laundry, Store, Clean**

*Furniture, office*

- 6 E Racks, storage, set

**Laundry, Store, Dirty**

*Furniture, office*

6 E Racks, storage, set

**Building 16 Generator room**

**Department Power Supply**

**1 Power Supply, Powerhouse, Generator Room**

*Utilities, electricity supply*

1 E Generator set, standby, 22 KVA, Diesel, 3 phase

**Power Supply, Powerhouse, Store**

*Furniture, office*

8 E Racks, storage, set

**Building 17 Store**

**Department Stores**

**1 Stores, Store**

*Furniture, office*

2 E Cupboard, high, metal

6 E Racks, storage, set

6 E Shelves, metal

**Building 18 Hospital Maintenance Unit**

**Department Hospital Maintenance Unit**

**1 Hospital Maintenance Unit, Office**

*Furniture, office*

1 E Basket, waste paper

3 E Chair, office

1 E Cupboard, high, metal

1 E Desk, metal, 1300x700 mm

**1 Hospital Maintenance Unit, Store**

*Furniture, office*

2 E Cupboard, high, metal

4 E Racks, storage, set

**1 Hospital Maintenance Unit, Workshop**

*Tools, building*

1 E Tool kit, mason/plasterer

*Tools, carpentry*

1 E Tool kit, carpenter

*Tools, electrical/electronic*

1 E Tool kit, electrician

*Tools, mechanical*

1 E Tool kit, automechanic

*Tools, plumbing*

1 E Tool kit, plumber

# **PART III**

## **STANDARD EQUIPMENT LIST**

**FOR**

## **‘TYPICAL DISTRICT HOSPITAL’**



# PHYSICAL ASSETS MANAGEMENT

Standard List of Equipment for Health Centres and District Hospitals

## Model facilities: Proposed Equipment per Room

**Facility**      **Typical District Hospital, Malawi**      **Beds 210**

### **Minimum Priority Equipment**

**E Essential**

*Building*      1 OPD

*Department*      OPD

#### **3 OPD, Examination Room Clinical Officer**

##### *Equipment, medical*

- 1 E Chart, eye, vision testing, Snellen, alphabet/illiterate
- 1 E Light, examination, table model, articulated
- 1 E Weighing scale, adult, physician, with height measurement, metric, 140kgx100g with height measurement
- 1 Suction pump foot operated or electric
- 1 Reflex hammer, solid rubber head
- 1 Protoscope adult/child
- 1 Speculum, vaginal, small/medium/large
- 1 Depressor, tongue adult/child

##### *Equipment, medical, imaging X Ray*

- 1 E View box, X-Ray

##### *Equipment, medical, laboratory*

- 1 Glucometer
- 1 Haemoglobinometer

##### *Equipment, medical, surgical instruments*

- 1 E Diagnostic equipment set for MD/CO

##### *Equipment, office*

- 1 E Clock, wall type, with second hand, battery

##### *Furniture, medical*

- 1 E Examination couch, local, wood
- 1 E Screen, four fold, on castors
- 1 Drip stand, double hooked

##### *Furniture, office*

- 1 E Basket, waste paper
- 1 E Bench, wood
- 2 E Chair, basic, metal
- 1 E Chair, office
- 1 E Cupboard, low, metal
- 1 E Desk, metal, 1300x700 mm

*Hollow-ware / containers*

- 1 E Hollow ware, set, consulting room

*Sundries, Miscellaneous*

- Tape measure, cloth
- Torch, examination, penlight

**1 OPD, Family Planning(MCH, Family Planning)**

*Equipment, medical*

- 1 E Light, examination, floor standing, articulated
- Weighing scale, adult, physician, with height measurement, metric, 140kgx100g

*Equipment, medical, surgical instruments*

- 2 E Instrument set, insertion/removal, IUCD
- 3 Norplant set, insertion/removal
- 10 Sponge holding forcep
- 20 Gall pots
- 1 Drum, sterilizing, small
- 2 Drum, sterilizing, medium
- 10 Forceps, curved, artery, small
- 10 Forceps, straight, artery, small
- 10 Forceps, straight, artery, large
- 5 Bowl, medium
- 10 Receiver, medium
- 3 Tray
- 6 Forcep, Cheatle
- 2 Holders, Cheatle
- 2 Scissors, curved
- 2 Scissors, straight
- 2 E Tubal Ligation and Vasectomy Sets
- 2 E Specullums

*Furniture, medical*

- 1 E Examination couch, with stirr ups
- 1 E Screen, four fold, on castors
- 1 E Step 2x, wood
- Trolley instruments with s/s shelves with anti static castors,
- 1 E 600 L x 450w x 800H mm

*Furniture, office*

- 3 E Chair, office
- 1 E Cupboard, low, metal, lockable
- 1 E Desk, metal, 1600x750 mm
- 1 E Kettle

*Hollow-ware / containers*

- 1 E Dustbin
- 1 E Tray, instrument, set of 12 sizes, covered, s/s, 305x254x51mm

**1 OPD, First Aid**

*Equipment, medical*

- 1 E Light, operating, mobile, with battery backup, 12V
- 1 E Suction apparatus, foot operated
- 1 E Table, operating, mechanical, non-hydraulic



- 1 Oxygen Concentrator

*Equipment, medical, anaesthesia*

- 1 E Cylinder, oxygen, with regulator, small, mobile
- 2 E Ambu bag, with adult mask
- 2 E Ambu bag, adult, infant

*Equipment, medical, imaging*

- 1 View Box, x ray

*Equipment, medical, sterilization sterilizers*

- Disinfectant, boiling water type, electric, s/s, int. dim.
- 1 E 510x310x140mm
- Sterilizing unit, steam, non vacuum, vertical, electric, medium,
- 1 E 39 ltr

*Equipment, medical, surgical instruments*

- 5 E Instrument set, dressing
- 2 E Instrument set, ENT, casualty
- 3 E Instrument set, minor surgery
- 6 E Instrument set, stitch removing
- 5 E Instrument set, suture
- 1 Chest drain set

*Equipment, office*

- 1 E Clock, wall type, with second hand, battery
- 1 Water kettle boiling, 2 ltr

*Furniture, medical*

- 1 E Cupboard, instruments, metal, glass door, 750x380x1700mm
- 3 E Drip stand, double hook, adjustable height, on castors
- 2 E Screen, four fold, on castors
- 1 E Stand, bowl, kick about
- 2 E Stool, surgeon's, adjustable height
- 1 E Stretcher, collapsible
  
- 1 E Trolley, dressing, with shelves, s/s, 600L x 450W x 800H mm.
- 4 Wheel chair

*Furniture, office*

- 1 E Bench, wood
- 1 E Cupboard, low, metal
- 1 Chair, office
- 1 Table, wood

*Hollow-ware / containers*

- 1 E Dustbin
- 1 E Hollow ware, set, treatment room
  
- 2 E Tray, instrument, set of 3 sizes, covered, s/s, 305x254x51mm

**1 OPD, Injection/ Treatment Room**

*Equipment, medical*

- 1 E Light, examination, table model, articulated

- 1 E Suction apparatus, foot operated
- 1 E Table, operating, mechanical, non-hydraulic
- 1 Nebulizer
- 1 Suction apparatus, electrical

*Equipment, medical, sterilization sterilizers*

- Disinfectant, boiling water type, electric, s/s, int. dim.
- 1 E 510x310x140mm
- Sterilizing unit, steam, non vacuum, vertical, electric, medium,
- 1 E 39 ltr

*Equipment, medical, surgical instruments*

- 5 E Instrument set, dressing
- 3 E Instrument set, minor surgery
- 3 E Instrument set, stitch removing
- 5 E Instrument set, suture

*Equipment, office*

- 1 E Clock, wall type, with second hand, battery

*Furniture, medical*

- 1 E Cupboard, instruments, metal, glass door, 750x380x1700mm
- 1 E Drip stand, double hook, adjustable height, on castors
- 1 E Screen, four fold, on castors
- 1 E Stand, bowl, kick about
- 2 E Stool, surgeon's, adjustable height
- 1 E Stretcher, collapsible
  
- 1 E Trolley, dressing, with shelves, s/s, 600L x 450W x 800H mm.

*Furniture, office*

- 1 E Bench, wood
- 1 E Cupboard, low, metal

*Hollow-ware / containers*

- 1 E Dustbin, pedal, s/s, 15 L
- 1 E Hollow ware, set, treatment room
  
- 2 E Tray, instrument, set of 3 sizes, covered, s/s, 305x254x51mm

**Building 2 MCH**

**Department MCH**

**1 MCH, ANT**

*Equipment, medical*

- 1 E Light, examination, table model, articulated
- Weighing scale, adult, physician, with height measurement,
- 1 E metric, 140kgx100g
- Trolley, instrument with s/s shelves, anti static castors 600L x
- 1 450W x 800H m

*Equipment, medical, surgical instruments*

- 1 E Diagnostic equipment set for MCH

*Furniture, medical*

- 1 E Examination couch, local, wood
- 1 Step 2x, wood

*Furniture, office*

- 1 E Bin, waste
- 1 E Bench, wood
- 1 E Cabinet, keys
- 2 E Chair, basic, metal
- 1 E Chair, office
- 1 E Cupboard, high, metal
- 1 E Desk, metal, 1300x700 mm
- Sets of Infection Prevention Equipment ( for
- 2 E Decontamination and cleaning )

**1 MCH, Multi Function Room**

*Equipment, domestic, kitchen*

- 1 E Water kettle, boiling, 2ltr

*Equipment, medical*

- 1 E Light, examination, table model, articulated
- 1 E Weighing scale, baby, basin type, 16 kg
- 1 E Weighing scale, toddler, springtype

*Equipment, medical, sterilization sterilizers*

- Sterilizing unit, steam, pressure cooker type, dble rack, 84
- 1 E syringes, fuel heated

*Equipment, medical, surgical instruments*

- 1 E Diagnostic equipment set for MCH

*Furniture, medical*

- 1 E Examination couch, local, wood

*Furniture, office*

- 1 E Basket, waste paper
- 2 E Bench, wood
- 3 E Chair, basic, metal
- 1 E Cupboard, high, metal
- 1 E Desk, metal, 1600x750 mm
- 1 E Filing cabinet, 2 drawer
- 1 E Table, metal

*Hollow-ware / containers*

- 1 E Hollow ware, set, treatment room
- 1 E Jug, measuring, graduated in mls & ozs, 2ltr
  
- 2 E Tray, instrument, set of 3 sizes, covered, s/s, 305x254x51mm

Building      3 Laboratory  
 Deoartment      Laboratory  
**1 Laboratory, Counte r**

*Furniture, office*

- 1 E Basket, waste paper
- 1 E Stool, with backrest
- 1 Bin, waste
- 1 Chair, sampling

**1 Laboratory, Major**

*Equipment, domestic*

- 1 Thermometer, room temperature, wall mounted

*Equipment, domestic kitchen*

- 1 Hot plate

*Equipment, glassware*

- 2 E Glassware/plasticware, set, laboratory, hospital level
- 1 Pipetter, volumetric, graduated (2, 10, 20ul)

*Equipment, glassware*

- 1 Hot air, electric oven, 40 ltrs (glass drying cabinet)
- 1 Sphygmomanometer digital
- 1 Sthethoscope

*Equipment, medical, laboratory*

- 1 E Balance, laboratory, single pan, 2500 g / 0.1 g
- 1 E Balance, laboratory, single pan, precision, 300 g/0.01 g
- 1 E Burner, Bunsen
- 1 E Centrifuge, bench type, electric, 12 place.
- 1 E Centrifuge, haematocrit, electric, with reader
- 1 E Colorimeter, with concentration reading
- 2 E Counter, differential, mechanical, 8-keys
- 1 E Counting chamber, Fuchs-Rosenthal ruling
- 2 E Counting chamber, Neubauer ruling, improved
- 1 E Distilling unit, electric, 4 ltr per hour
- 2 E ESR apparatus, Westergren, stand & pipettes
- 2 E Haemoglobinometer, Hemacue
- 2 E Microscope, binocular, moving mechanical stage, objectives:  
10x, 40x, 100x; ocular: 10x
- 1 E Pipette, volumetric, micro, set
- 1 E Shaker, VDRL, rotator variable, electric, VDRL tests
- 2 E Tally counter
- Timer, interval, digital, 60 minx1min, with signal, spring-wound
- 3 E
- 4 E Urinometer, specific gravity, with test glass
- 1 E Water bath, with thermostat, 10 ltr
- 1 Haematology analyzer 12 parameters
- 1 Microscope, binocular, fluorescence
- 1 CD4 Counter
- 1 Viral load equipment
- 1 Biosafety cabinet, class 1
- 1 Incubator 40 ltr, temperature range 10-100c
- 1 Mixer, vorter
- 1 Mixer, blood sample
- 1 Printer for haematology analyser
- 1 Key board for haematology analyser
- 1 Glucometer
- 1 Slide Filling cabinet
- 1 Slide drying Bench, electric

- 1 Stirrer, magnetic, with hot plate
- 1 Cylinder, gas
- 1 Analyser, blood (FBC Machine)
- 1 Analyser, chemistry
- 1 Balance, digital 0.2-600g
- 1 Water bath

*Equipment, medical, sterilization sterilizers*

- 1 E Sterilizing unit, dry heat, medium, 20 litre
- 1 E Sterilizing unit, steam, non vacuum, vertical, electric, medium, 39 ltr

*Equipment, medical, surgical instruments*

- 1 E Instrument set, laboratory, basic

*Equipment, office*

- 1 E Clock, wall type, with second hand, battery
- 1 Computer set with printer
- 1 Desk calculator
- 4 Uninterrupted power supply
- 4 Automatic voltage regulator

*Equipment, refrigeration*

- 1 E Refrigerator, electrical, compressor type, 220 ltr
- 1 E Refrigerator-freezer, electric/gas, absorption-cycle, 230ltr
- 1 E Thermometer, fridge-freezing equipment

*Furniture, medical*

- Water container with tap, narrow neck Capacity of container
- 1 E 10-25 Litre, inclusive basin

*Furniture, office*

- 2 E Basket, waste paper
- 1 E Bench, wood
- 3 E Chair, basic, metal
- 1 E Cupboard, high, metal
- 6 E Stool, wood
- 1 E Office Desk
- 1 Computer Desk
- 1 Filing cabinet, metal, 4 drawers
- 2 Adjustable Lab stools

*Hollow-ware / containers*

- 1 E Hollow ware set, laboratory

*Tools, Miscellaneous*

- 1 E Anemometer, handheld

**1 Laboratory, Store**

*Furniture, office*

- 6 E Racks, storage, set
- 2 E Shelves, metal

Building 4 Blood bank  
Department Blood Bank

**1 Blood Bank, Blood Bank**

*Equipment, refrigeration*

- 1 E Blood bank refrigerator with 24 Hr temperature recorder with sound and visual alarm temperature setting failure; electric
- 2 E 230 VAC with AVR, 169-250V range, 1000 watts
- 1 E water Bath, 230 VAC, 50 HZ BS Plug with AVR
- 1 E serology centrifuge; 24 placer, 230VAC, 50 HZ with AVR
- 1 E Deep Freezer, Chest-type, transparent 2-door panel; 230 VAC, 50 HZ. With AVR
- 10 E Cold Chain Boxes
- 5 E Thermometers; Dial Type
- 1 E Binocular Microscope, 230 VAC, 50 HZ; preferably Olympus Brand
  
- 5 E Racks, Test Tubes; Stainless Steel; with handle; 10 ho;es
- 100 E Test Tubes, European Standards or equivalent+

*Equipment, medical*

- 1 Weighing scale, adult, bathroom
- 2 Blood grouping tiles
- 1 Blood weighing scale

*Furniture, Office*

- 1 Donor bleeding coach
- 2 Stool, wood
- 1 Table, wood

Building 5 Dental Department  
Department Dental Department

**1 Dental Department, Treatment Room**

*Equipment, medical*

- 1 E Light, examination, floor standing, articulated
- 1 Suction machine, mobile
- 1 Sphygmomanometer

*Equipment, medical, anaesthesia*

- 10 Gags, mouth

*Equipment, medical, imaging X-ray*

- 1 Dental x ray, wall mounted
- 1 Dental x-ray film processor, table top, manual
- 1 Dental x-ray film viewer
- 1 View Box, x-ray
- 1 X-ray hangers, cepharomic

*Equipment, medical, dental*

- 1 E Dental chair, mechanical
- 1 Dental unit, complete with chair, cuspidor, compressor, operating lamp, air-turbine drill, suction unit, Mayo table
- 1 Amalgamator
- 2 Dental light, examining, floor standing
- 1 Ultrasonic scaler
- 1 Light, UV, composite curing machine

*Equipment, medical, sterilization sterilizers*

- Sterilizing unit, steam, non vacuum, vertical, electric, medium,
- 1 E 39 ltr

*Equipment, medical, surgical instruments*

- 2 E Instrument set, dental, hand
- 10 ART Instrument Set
- 10 Scissors, mayo
- 10 Forcep, Wire
- 10 Forcep, tissue holder
- 10 Scalpel blades

*Furniture, medical*

- 1 E Cupboard, instruments, metal, glass door, 750x380x1700mm
- 1 E Stool, surgeon's, adjustable height
- Trolley, instrument, with s/s shelves, anti-static castors, 600L
- 1 E x 450W x 800H mm
- 1 Table, wood
- 1 Chair, wood
  
- 1 Trolley, laundry, with rails & shelves, 610w x 460d x 860h mm
  
- 1 Trolley,dressing, wuth shelves, s/s 600l x 450w x 800H mm
- 1 Cabinet, instrument
- 2 Stool,surgeon's, adjustable height

*Furniture, office*

- 2 E Chair, office
- 1 E Cupboard, low, metal
- 1 E Desk, wood
- 1 Clock, wall, with second hand

*Hollow-ware / containers*

- 1 E Dustbin
- 1 E Hollow ware, set, treatment room
  
- 2 E Tray, instrument, set of 3 sizes, covered, s/s, 305x254x51mm

**Building 6 X-Ray**

**Department X-Ray**

**1 X-Ray, Reception**

*Furniture, Office*

- 1 Bench, wood
- 1 Desk, wood
- 1 Chair, wood
- 1 Cabinet, filing

**1 X-Ray, Film Processing**

*Equipment, medical, imaging X Ray*

- 1 E Hanger, developing, X-Ray, set
- 1 E Rack, drying, X-Ray film
- 2 E Safelight and filters
- 1 E Timer, dark room, X-Ray

- 1 E X-Ray film processor, manual, with tanks, heater, thermometer and thermostat

*Furniture, office*

- 2 E Basket, waste paper
- 1 E Cupboard, high, metal
- 1 E Stool, basic, metal

**1 X-Ray, Radiology**

*Equipment, medical*

- 1 E Light, examination, table model, articulated

*Equipment, medical, imaging X Ray*

- 1 E Cassette, ordinary, X-Ray film, set
- 1 Cassette, curved, X-Ray film, set
- 1 E Gloves, protective, X-ray, pair
- 1 E Marker, X-Ray, A-Z, character, lead mounted
- 1 E Marker, X-Ray, L-R, chrome plated, AP
- 1 E Rack, for apron and glove, X-Ray
- 1 E View box, X-Ray, PVC Coated
- 1 E X-Ray unit, ceiling suspended, Mobile x-ray unit
- 1 Stationery grids
- 1 X-ray Lead shields (in built or mobile
- 1 Actinic marker
- 1 Automatic Processor
- 1 Hopper ( for filing )

*Equipment, office*

- 1 E Clock, wall type, with second hand, battery
- 1 Computer with printer

*Furniture, medical*

- 1 E Examination couch, local, wood

*Furniture, office*

- 2 E Chair, basic, metal
- 1 Desk, wood

*Hollow-ware / containers*

- 1 E Dustbin, pedal, s/s, 15 L

*Textile, clothing*

- 2 E Apron, protective, X-Ray, lead

**1 X-Ray, Store**

*Furniture, office*

- 1 E Cupboard, high, metal
- 4 E Racks, storage, set
- 1 X-Ray, Waiting Area

**1 Ultrasound roon**

*Equipment, medical, imaging*

- 1 Ultrasound, general purpose

*Furniture, office*

- 1 Coach, examining
- 1 Adjustable height stool



### **1 Filing room**

#### *Furniture, Office*

- 1 Shelves, wood
- 1 Bench, wood
- 1 Stool, wood
- 1 Chair, wood

### **1 Viewing Room**

#### *Equipment, medical, imaging, x-ray*

- 1 View Box, x-ray, 2x

#### *Furniture, office*

- 1 Adjustable height stool

### **1 X-ray, Waiting Area**

#### *Furniture, Office*

- 2 E Bench, wood

## **Building 7 Physiotherapy**

### **Department Physiotherapy**

#### **1 Physiotherapy, Treatment Room**

##### *Equipment, medical*

- 2 E Ball, physiotherapy, set
- 1 E Exerciser arm, muscle
- 1 E Exerciser foot, muscle
- 2 E Mattress, exercising
- 1 E Mirror, physiotherapy
- 3 E Parallel bars, physiotherapy
- 1 E Weights, metal, set, physiotherapy
- 1 Wheel chair, small
- 1 Wheel chair, medium
- 1 Wheel chair, large
- 3 Screen, four folds, on castor
- 1 Combined wax sterilizer and wax bath
- 20 Hard adjustable neck collar with chin pieces (small)
- 20 Hard adjustable neck collar with chin pieces (medium)
- 20 Hard adjustable neck collar with chin pieces (large)
- 10 Wrist braces (lock-up splint), small
- 10 Wrist braces (lock-up splint), medium
- 10 Wrist braces (lock-up splint), large
- 1 Balance Bench
- 4 Medicinal Balls
- 1 Short wave unit
- 1 Pyramid, walking frame, small
- 1 Pyramid, walking frame, medium
- 1 Pyramid, walking frame, large
- 2 Posture mirror
- 1 Ergometer
- 1 Treadmill
- 20 Metallic adjustable crutches (small)
- 20 Metallic adjustable crutches (medium)
- 20 Metallic adjustable crutches (large)
- 1 Pedal Bin
- 2 Sphygmomanometer

*Equipment, medical, imaging*

- 1 Ultra sound machine, therapeutic
- 1 Table, tilting

*Equipment, medical, refrigeration*

- 1 Chilling, freezing unit

*Furniture, medical*

- 1 E Examination couch, 2 section, with adjustable head pad

*Furniture, office*

- 2 E Bench, wood
- 6 E Chair, basic, metal

Physiotherapy, Waiting Area

*Furniture, office*

- 2 E Bench, wood

**Building 8 Operating Theatre**

**Department Operating Theatre**

**1 Operating Theatre, Main**

*Equipment, medical*

- 1 E Light, operating, ceiling mounted
- 1 E Light, operating, mobile, with battery backup, 12V
- 2 E Oxygen concentrator, 6ltr/min
- Suction apparatus, electric, 2 bottle, 2 x 2.5 litre capacity, 240V
- 1 E Suction apparatus, foot operated
- 1 E Table, operating, universal, hydraulic
- 1 Diathermy machine
- 1 Pulse oximeter
- 1 BP Machine, automatic
- 1 ECG with 3 leads
- 1 NIBP Machine
- 1 Oesophageal stethoscope
- 1 Pressure pump
- 1 Boiler

*Equipment, medical, anesthesia*

- 1 E Anaesthesia apparatus, EMO, with OMV vaporizer
- 3 E Cylinder, oxygen, with regulator
- 1 E Instrument set, anaesthesia, general equipment
- 1 E Resuscitator, manual, adult
- 1 E Resuscitator, manual, infant
- 1 Resuscitator with light source and warmer

*Equipment, medical, imaging X Ray*

- 1 E View box, X-Ray, PVC Coated

*Equipment, medical, surgical instruments*

- 1 E Diagnostic equipment set for MD/CO
- 1 E Instrument set, anaesthesia, intubation
- 1 E Instrument set, anaesthesia, local/regional drug techniques
- 1 E Instrument set, anaesthesia, paediatric

- 1 E Instrument set, anaesthesia, valves, masks
- 2 E Instrument set, Caesarean section
- 3 E Instrument set, dilatation and curettage
- 2 E Instrument set, general surgery, large
- 6 E Instrument set, hernia / hydrocoelectomy
- 1 E Instrument set, hysterectomy
- 2 E Instrument set, IV cut-down
- 1 E Instrument set, laparotomy
- 1 E Instrument set, lumbar puncture, adult
- 1 E Instrument set, lumbar puncture, paediatric
- 1 E Instrument set, orthopaedic
- 1 E Instrument set, skin biopsy
- 1 E Instrument set, skin graft
- 4 E Instrument set, stitch removing
- 1 E Instrument set, tracheostomy
- 1 E Instrument set, tubal ligation
- 1 E Instrument set, urology
- 1 E Instrument set, vasectomy

*Equipment, office*

- 1 E Clock, wall type, with second hand, battery

*Equipment, Refrigeration*

- 1 Refrigerator for drugs

*Furniture, medical*

- 1 E Cupboard, dangerous drugs
- 2 E Cupboard, instruments, metal, glass door, 750x380x1700mm
- 1 E Drip stand, double hook, adjustable height, on castors
- 1 E Stand, bowl, kick about
- 6 E Stool, surgeon's, adjustable height
- 1 E Table, Mayo, with anti-static castors and complete with s/s tray, 500w x 380d x 25h mm
- 2 E Trolley, instrument, with s/s shelves, anti-static castors, 600L x 450W x 800H mm
- 4 E Trolley, patient, with removable stretcher

*Hollow-ware / containers*

- 1 E Hollow ware set, theatre
- 6 Bin, waste

*Sundries, medical*

- 5 E Boots, operating, white with black sole, size 10
- 5 E Boots, operating, white with black sole, size 8
- 5 E Boots, operating, white with black sole, size 7
- 5 E Clogs, theatre
- 5 E Clogs, theatre, White, size 9

**1 Changing room, Locker area**

*Furniture, Office*

- 2 E Bench, wood
- 2 E Locker, 5 compartment

**2 Operating Theatre, Store (One for sterile packs, another for sundries)**

*Sundries, domestic*

- 1 E Cleaning utensils, set

### **1 Recovery Room**

#### *Equipment, medical*

- 1 E Suction apparatus, electric, 1 bottle, 2 ltr  
Pulse Oximeter
- 1 Sphygmomanometer

#### *Furniture, medical*

- 2 E Bed, hospital, with sliding side rails
- 1 E Drip stand, couple hook, adjustable height, on castors

#### *Furniture, office*

- 1 E Chair, office
- 1 E Cupboard, low, metal
- 1 E Desk, wood  
Heater, room

### **1 Sluice Room**

#### *Furniture, medical*

- 2 E Trolley, laundry

3sa

#### *Hallow are/containers*

- 1 E Dustbin
- 1 E Basin, wash, p/p, 400 mm diam.

### **2 Changing room (1 for male, another for female)**

- 1 Trolley, laundry, with rails and shelves, 610w x 460d x 860h  
mm)

### **1 Surgeon's Office**

(No equipment list submitted)

### **1 Anaesthetist Office**

(No equipment list submitted)

### **1 Nurses Office**

(No equipment list submitted)

### **1 Receptionist Office**

(No equipment list submitted)

### **1 Receptionist Office**

- 1 Suction machine, foot operated
- 1 Recovery be with side rails
- 1 Sphygmomanometer
- 1 Pulse Oximeter
- 1 Room heater

*Building*      **9 Maternity**  
*Department*      **Maternity**  
                         **1 Maternity, Delivery Unit**

*Equipment, domestic*

- 2 E    Lamp, pressure, paraffin, 400mm, 1.1 litres
- 1 E    Room heater, electric, wall mounted

*Equipment, medical*

- 6 E    Delivery bed
- 1 E    Light, operating, mobile
- 1 E    Suction apparatus, foot operated
  
- 2 E    Vacuum extractor, manual, Bird's modification of Maelstrom
- 1 E    Weighing scale, baby, basin type, 16 kg
- 3      Resuscitaire
- 1      Detector, foetal heart, ultrasonic, portable, Doppler
- 1      Wheel chair, adult
- 1      Stretcher, collapsible
- 1      Weighingscale (for placenta)
  
- 2      Vacuum extractor, manual, Bird's modification of Maelstrom
- 2      Infusion Pumps

*Equipment, medical, anaesthesia*

- 1 E    Cylinder, oxygen, with regulator
- 2 E    Ambu bag, with adult mask
- 1 E    Ambu bag, with infant mask
- 1      Oxygen concentrator
- 1      Suction apparatus foot operated
- 1      Suction apparatus, electric

*Equipment, medical, sterilization sterilizers*

- 1 E    Sterilizing unit, steam, non vacuum, vertical, electric, medium, 39 ltr

*Equipment, medical, surgical instruments*

- 2 E    Diagnostic equipment set for MCH
- 20 E    Instrument set, delivery and suturing
- 50      Needle holders
- 50      Disecting forcep
- 100     Cord clamps

*Equipment, office*

- 3 E    Clock, wall type, with second hand, battery
- 2 E    Kettle

*Furniture, medical*

- 1 E    Cot, baby (bassinette), hospital-type
- 1 E    Cupboard, dangerous drugs
  
- 1 E    Cupboard, instruments, metal, glass door, 750x380x1700mm
- 3 E    Drip stand, double hook, adjustable height, on castors
- 6 E    Stand, bowl, kick about
- 3 E    Stool, surgeon's, adjustable height
- Trolley, instrument, with s/s shelves, anti-static castors, 600L
- 3 E    x 450W x 800H mm
- 3      Step x2, wood

*Furniture, office*

- 1 E    Cupboard, low, metal

*Hollow-ware / containers*

- 1 E Hollow ware, set, delivery room
- 2 E Tray, instrument, set of 3 sizes, covered, s/s, 305x254x51mm

**1 Maternity, First Stage Labour**

*Equipment, medical*

- 1 E Detector, foetal heart, ultrasonic, portable, Doppler
- 2 E Stethoscope, foetal, monaural, Pinard, plastic
- 1 Weighing scale, bathroom, adult
- 1 Oxygen concentrator
- 1 Trolley, drug
- 3 Stool
- Water container with tap, on stand, Capacity of container 20
- 2 Litre, inclusive basin
- 2 BP machine, Mercury Type and aneroid
- 3 Thermometers; glass

*Equipment, medical, surgical instruments*

- 1 E Diagnostic equipment set for ward/nurse

*Furniture, medical*

- 2 E Drip stand, double hook, adjustable height, on castors
- 2 E Hospital bed, adult
- 2 E Mattress for hospital bed, adult

**1 Maternity, Midwife Office**

*Furniture, office*

- 1 E Dustbin with cover
- 1 E Chair, armchair office
- 2 E Chair, basic, metal
- 1 E Cupboard, low, metal
- 1 E Desk, metal
- 2 Kettle, boiling, 2 ltr

**1 Maternity, Premature Room**

*Equipment, domestic*

- 2 E Room heater, electric, wall mounted

*Equipment, medical*

- 2 E Incubator, infant
- 1 E Oxygen concentrator, 6ltr/min
- 1 E Phototherapy unit, infant, with accessories
- 1 E Weighing scale, infant, metric, 15.5kgx5g

*Equipment, medical, anaesthesia*

- 1 E Cylinder, oxygen, with regulator
- 1 E Resuscitator, manual, infant

*Furniture, medical*

- 4 E Cot, baby (bassinette), hospital-type
- 1 E Screen, four fold, on castors
- 1 Stool

*Furniture, office*

- 2 E Bench, wood

Building 10 Wards  
Department Wards  
**10 Wards, Amenity, Single Room**

*Furniture, medical*

- 2 E Bedside locker
- 2 E Hospital bed, adult
- 2 E Mattress for hospital bed, adult
- 2 Drip stand double hook

*Furniture, office*

- 2 E Chair, basic, metal

**1 MVA Room (usually located in femal ward in most districts)**

*Equipment, medical*

- 1 Angle poised lamp
- 1 Trolley with castors
- 1 Trolley static/counter
- 1 Stool
- 1 Couch with stirrup
- 1 Bin, pedal
- 1 Cupboard, lockable
- 1 Sphygmomanometer
- 1 Thermometer
- 1 Drip stand, double hooked
- 3 In fusion Pumps

*Equipment, medical, instrument*

- 5 MVA sets

*Hallow ware/Containers*

- 4 Instrument trays

**10 Wards, Nurse Duty Station**

*Equipment, domestic*

- 1 E Lamp, pressure, paraffin, 400mm, 1.1 litres Heaters

*Equipment, domestic, kitchen*

- 1 E Water kettle, boiling, 2ltr

*Equipment, medical*

- 5 Thermometer; glass
- 3 BP machines; mercury and aneroid type

*Equipment, medical, sterilization sterilizers*

- Disinfector, boiling water type, electric, large, s/s, int. dim.
- 1 E 685x508x432mm

*Equipment, office*

- 1 E Clock, wall type, with second hand, battery

*Furniture, office*

- 2 E Chair, basic, metal
- 2 E Chair, office
- 1 E Cupboard, low, metal
- 1 E Desk, metal, 1300x700 mm
- 1 E Shelves, metal
- 1 Trolley, drug, with castors, metal

*Hollow-ware / containers*

- 1 E Hollow ware set, ward, duty station

**10 Wards, Sluice Room**

*Furniture, office*

- 2 E Racks, storage, set
- 2 Auto bin with wheels
- 1 Trolley, laundry, with rails & shelves

*Hollow-ware / containers*

- 1 E Dustbin with lid

**10 Wards, Standard**

*Equipment, medical*

- 1 Suction Pump with ambu bag
- 1 Nebulizer
- 1 Oxygen concentrator
- 5 Infusion Pumps

*Equipment, medical, sterilization sterilizers*

- Disinfectant, boiling water type, electric, s/s, int. dim.
- 1 E 510x310x140mm

*Equipment, medical, surgical instruments*

- 2 E Diagnostic equipment set for ward/nurse
- 5 E Instrument set, dressing
- 1 E Instrument set, IV cut-down
- 8 E Instrument set, stitch removing

*Furniture, medical*

- 20 E Bedside locker
- 2 E Cradle, burns
- 6 E Drip stand, double hook, adjustable height, on castors
- 15 E Hospital bed, adult
- 5 E Hospital bed, child, with sliding, side-rails
- 15 E Mattress for hospital bed, adult
- 5 E Mattress for hospital bed, child
- 4 E Screen, four fold, on castors
- 1 E Stand, bowl, kick about
  
- 2 E Trolley, dressing, with shelves, s/s, 600L x 450W x 800H mm.
- Trolley, instrument, with s/s shelves, anti-static castors, 600L
- 1 E x 450W x 800H mm
- 4 Back rest, adult bed
- 1 Stretcher, collapsible
- 1 Wheel chair

*Hollow-ware / containers*



- 4 E Tray, instrument, set of 12 sizes, covered, s/s,  
305x254x51mm

### **10 Wards, Store**

#### *Furniture, office*

- 4 E Racks, storage, set

### *Building*      **11 Central Sterilization Department**

#### *Department*      **Central Sterilization Department**

#### **1 Central Sterilization Department, Sterilisation Room**

- 1 E Hot plate, medium, 2000W, 240V

#### *Equipment, medical, sterilization sterilizers*

- Disinfector, boiling water type, electric, s/s, int. dim.  
1 E 510x310x140mm
- Disinfector, boiling water type, electric, large, s/s, int. dim.  
1 E 685x508x432mm
- Sterilizing unit, steam, non vacuum, vertical, fuel, medium, 39  
1 E ltr
- Sterilizing unit, steam, non-vacuum, automatic, table top,  
2 E small, high speed 134°C
- Sterilizing unit, steam, vacuum, vertical, electric/fuel, large,  
1 E 76 ltr

#### *Furniture, medical*

- 2 E Trolley, instrument, with shelves, s/s, 600L x 400W x 800H  
mm

#### *Furniture, office*

- 2 E Chair, basic, metal
- 2 E Shelves, metal
- 1 E Stool, basic, metal
- 1 E Table, metal

#### *Hollow-ware / containers*

- 1 E Dustbin
  
- 4 E Tray, instrument, set of 3 sizes, covered, s/s, 305x254x51mm

### **Central Sterilization Department, Store**

#### *Furniture, office*

- 4 E Racks, storage, set

Building 12 Pharmacy

Department Pharmacy

**1 Pharmacy, Dispensary**

*Equipment, glassware*

- 1 Soap dispenser, wall mounted
- 1 Coat hook 17 Premium may HFF B1620
- Cylinder measuring glass 10ml
- Cylinder measuring glass 100ml
- Rod stirring, glass 230 x 6 mm

*Equipment, glassware*

- 10 Counting device, tablet/capsule
- 2 Photo electric cell counters

*Equipment, Refrigeration*

- 1 Refrigerator

*Furniture, medical*

- 1 Cabinet, drug

*Furniture, office*

- 3 E Basket, waste paper
- 1 E Chair, armchair office
- 5 E Chair, basic, metal
- 2 E Cupboard, high, metal
- 2 E Cupboard, low, metal
- 1 E Desk, metal, 1600x750 mm
- 10 E Racks, storage, set
- 2 E Stool, with backrest
- 1 Air conditioner
- 1 Bench, wood

**1 Pharmacy, Preparation Room**

*Equipment, glassware*

- 3 E Glassware, set, pharmacy

*Equipment, medical, laboratory*

- 2 E Balance, chemical, 2kg/0.1g
- 2 E Balance, dispensing, 100g/10mg
- 2 Distilling unit
- 1 Electric mixer
- 3 Bucket, 50 litres (for making preparations)

*Equipment, refrigeration*

- 1 E Refrigerator, electrical, compressor type, 220 ltr

*Furniture, office*

- 2 E Chair, basic, metal
- 2 E Cupboard, high, metal
- 2 E Stool, basic, metal

**1 Pharmacy, Store**

*Furniture, office*

- 80 E Rack, storage, set
- 1 Desk, wood
- 6 Air conditioner
- 1 Chair, armchair office
- 2 Cupboard, high, metal
- 2 Fan, desk model
- 2 Calculator, desk

*Furniture, Medical*

- 4 Trolley, dispensing 2 SHELVES,
- 2 Trolley, flat form truck
- 1 Cupboard, Drugs, with DDA compartment

*Equipment, refrigeration*

- 4 Refrigerator, electric

*Equipment, domestic*

- 2 Ladder

**1 Pharmacy, Store**

*Furniture, office*

- 2 Desk, wood
- 2 Chair, armchair office
- 2 Desk utensil set
- 2 Basket, waste paper
- 5 Chair, wood
- 2 Fan, desk model
- 1 RoomHeater, electric
- 1 clock,wall type, with second hand
- 1 Computerset
- 3 UPS/AVR
- 1 Printer

**1 Pharmacy, Dispatch Room**

*Equipment, refrigeration*

- 1 Refrigerator

*Furniture, office*

- 2 Basket, waste paper
- 5 Chair, metal
- 2 Fan, desk model

**Building 13 Mortuary**

**Department Mortuary**

**1 Mortuary, Mortuary**

*Equipment, medical, surgical instruments*

- 1 E Instrument set, post-mortem

*Equipment, medical*

- 1 Trolley, patient (for dead bodies)

**1 Mortuary, Office**

*Furniture, office*

- 1 E Basket, waste paper
- 2 E Chair, basic, metal
- 1 E Chair, office
- 1 E Cupboard, low, metal
- 1 E Desk, metal, 1300x700 mm

**1 Mortuary, Store**

*Furniture, office*

- 1 E Cupboard, high, metal
- 4 E Racks, storage, set

*Building*      **14 Administration**  
*Department*      **Administration**  
                         **1 Administration, Conference Room/Library**

*Equipment, office*

- 1 E Projector, overhead
- 1 E Projector, slide
- 1 E Video recorder

*Furniture, office*

- 2 E Basket, waste paper
- 10 E Chair, basic, metal
- 1 E Cupboard, high, metal
- 10 E Shelves, wood
- 1 E Table, conference

*Information, teaching aids*

- 1 E Screen, projector
- 1 E TV, monitor

**1 Administration, Medical Director Office**

*Furniture, office*

- 1 E Cabinet, keys
- 2 E Chair, armed
- 1 E Chair, executive
- 1 E Cupboard, high, metal
- 1 E Cupboard, low, metal
- 1 E Desk, metal, 1600x750 mm

**1 Administration, Office, Accountant**

*Equipment, office*

- 1 E Calculator, electronic, with paper roll printer
- Computer set

*Furniture, office*

- 1 E Basket, waste paper
- 1 E Chair, armchair office
- 2 E Chair, basic, metal
- 1 E Cupboard, high, metal
- 1 E Desk, metal, 1600x750 mm
- 2 E Filing cabinet, 4 drawers
- 1 E Safe, floor standing, small
- Bookshelf

**1 Administration, Office, Administrator**

*Equipment, office*

- Computer equipment, Includes CPU, monitor, keyboard,
- 1 E printer and UPS
- 1 E Computer, printer
- 1 E Software package, basic
- Photocopier

*Equipment, Refirgeration*

Refrigerator

*Furniture, office*

- 1 E Basket, waste paper
- 1 E Chair, armchair office
- 1 E Chair, basic, metal
- 1 E Cupboard, high, metal
- 1 E Desk, metal, 1600x750 mm
- 1 E Filing cabinet, 4 drawers
- Bookshelf

### **1 Administration, Office, Matron**

#### *Furniture, office*

- 1 E Basket, waste paper
- 1 E Cabinet, keys
- 1 E Chair, armchair office
- 2 E Chair, office
- 1 E Cupboard, high, metal
- 1 E Desk, metal, 1600x750 mm
- 1 E Filing cabinet, 4 drawers

### **1 Administration, Office, Secretary**

#### *Equipment, office*

- 1 E Typing machine, manual, English

#### *Furniture, office*

- 1 E Basket, waste paper
- 2 E Chair, office
- 1 E Desk, metal, 1300x700 mm
- 2 E Filing cabinet, 4 drawers
- 1 Swivel chair

### **1 Administration, Reception**

#### *Equipment, communications*

- 1 E Radio communication, FM Transceiver, 100Watt DC input
- 1 E Telephone exchange 5/36

#### *Furniture, office*

- 1 E Chair, armchair office
- 1 E Desk, metal, 1600x750 mm
- 5 Chair, wood

### **1 Administration, Staff Tea Room**

#### *Equipment, domestic, kitchen*

- 1 E Water kettle, boiling, 2ltr
- 10 Chair, wood
- 2 Table, long, wood

### **1 Administration, Stores**

#### *Furniture, office*

- 8 E Shelves, wood

**Building 15 Kitchen**

**Department Kitchen**

### **1 Kitchen, Dry Store**

#### *Furniture, office*

- 10 E Racks, storage, set
- 4 E Shelves, metal
- 8 E Shelves ; 4 x 2 sides
- 8 E Racks ; 4 x 2 sides
- 10 E Pallets
- 2 E Platform Scale, Analog
- 2 E Lifters
- 1 E Retail Scale

#### *Butchery*

- 1 E Meat Cutter, Electric
- 20 E Chopping Board, complete with mallet
- 15 E Butcher Knife
- 15 E Butcher Knife ; Fluted
- 15 E Cook's Knife
- 15 E Salmon Serrated Knife
- 15 E Chopping Knife

- 15 E Cleavers and Knife
- 15 E Bread Knife
- 15 E Steak Knife
- 3 E Knife Sharpener
- 1 E Meat Mincer ; Electric
- 1 E Butcher Saw
- 1 E Scale ; hanging
- 2 E Chopping Block
- 10 E Axe ; Hand
- 3 E Basins ; stainless ; different sizes
- 1 E Meat Slicer

*Equipment Domestic, Kitchen*

- Serving laddles
- Heavy duty Hot plate
- Cooker (Defy)
- Butcher Knives
- Stirring sticks
- Food warmers
- Assorted cooking pots
- Trolley, food

*Equipment, refrigeration*

- 1 E Cold room ; refer to Nkhotakota District Hospital
- 2 E Deep Freezer
- 1 E Domestic Fridge
- 1 E Chiller

**1 Kitchen, Cooking Area**

*Furniture, office*

- 5 E Cooking Pots
- 2 E Large Plate Stove ; Electric
- 1 E Microwave Oven
- 1 E Deep Fryers Heavy duty with perforated baskets
- 2 E Frying Pans
- 1 E Baine marie
- 1 E Hot cupboard baine marie
- 1 E Food Warming Cabinet
- 1 E Boiling Urns
- Food Preparation Area
- 1 E Potato Peeler
- 1 E Potato Masher
- 1 E Vegetable Cutter
- 1 E Blender
- 10 E Whisk
- 10 E Laddles
- 20 E Portion Server
- 20 E Perforated Spoons
- 20 E Solid Spoon
- 10 E Sided Grater
- 10 E Carvery Forks
- 10 E Grill Fork lifter
- 10 E Tong Salad square
- 10 E Tong Serving Oval ; Solid ends
- 10 E Chip Basket ; 5 x 2 sizes
- 10 E Egg lifter
- 10 E Egg wedger

- 5 E Can Opener
- 5 E Tomato Slicer
- 5 E Mixing Bowl ; 5 x different sizes
- 1 E Mixing machine
- 10 E **Bulk Food Trolley**
- 2 E Hospital Food Service trolley
- 2 E Soup Warmer
- 10 E Vulcan Pot
- 20 E Milk Jug
- 50 E Cutlery Set
- 300 E Plates
- 300 E Water Glass
- 8 E Stock Pots ; 4 x 2 different sizes
- 5 E Saute Pans
- 5 E Casseroles with Lid
- 5 E Tea Trolley
- 5 E Frying pans
- 1 E Conveyor Toaster
- 10 E Colander
- 10 E Conical Strainer
- 2 E Plate Warmer
- 60 E Scoops ; 20 x 3 different sizes
- 10 E Baking Tins
- 10 E Baking Trays
- 15 E Silicon Mould ; 5 x 3 different sizes
- 10 E Drying Racks
- Supervisor Room
- Computer equipment, Includes CPU, monitor, keyboard,  
printer and UPS
- 1 E Computer, printer
- 1 E Software package, basic

*Furniture, office*

- 1 E Basket, waste paper
- 2 E Chair, office
- 1 E Desk, metal, 1300x700 mm
- 2 E Filing cabinet, 4 drawers
- 1 Swivel chair

*Hollow-ware / containers*

- 1 E Dustbin

**Building 16 Laundry**

**Department Laundry**

**Laundry, Laundry Area**

*Equipment, domestic*

- 1 E Sewing machine, electric/pedal

*Equipment, domestic, laundry*

- 1 E Dryer, laundry, institutional
- 1 E Hydro extractor, laundry, institutional
- 2 E Iron, charcoal
- 2 E Iron, electric, steam and dry
  
- 1 E Ironing machine, laundry, institutional, calender (2 Rollers)
- 2 E Washing machine, laundry, cap 30 kg

*Furniture, office*

- 1 E Basket, waste paper
- 2 E Chair, basic, metal

1 E Cupboard, high, metal

**Laundry, Store, Clean**

*Furniture, office*

6 E Racks, storage, set

**Laundry, Store, Dirty**

*Furniture, office*

6 E Racks, storage, set

**Building 17 Generator room**

**Department Power Supply**

**1 Power Supply, Powerhouse, Generator Room**

*Utilities, electricity supply*

1 E Generator set, standby, 22 KVA, Diesel, 3 phase

**Power Supply, Powerhouse, Store**

*Furniture, office*

8 E Racks, storage, set

**Building 18 Store**

**Department Stores**

**1 Stores, Store**

*Furniture, office*

2 E Cupboard, high, metal

6 E Racks, storage, set

6 E Shelves, metal

**Building 19 Hospital Maintenance Unit**

**Department Hospital Maintenance Unit**

**1 Hospital Maintenance Unit, Office**

*Furniture, office*

1 E Basket, waste paper

3 E Chair, office

1 E Cupboard, high, metal

1 E Desk, metal, 1300x700 mm

**1 Hospital Maintenance Unit, Store**

*Furniture, office*

2 E Cupboard, high, metal

4 E Racks, storage, set

**1 Hospital Maintenance Unit, Workshop**

*Tools, building*

1 E Tool kit, mason/plasterer

*Tools, carpentry*

1 E Tool kit, carpenter

*Tools, electrical/electronic*

1 E Tool kit, electrician

*Tools, mechanical*

1 E Tool kit, automechanic

*Tools, plumbing*

1 E Tool kit, plumber

Computer equipment, Includes CPU, monitor, keyboard,

1 E printer and UPS

1 E Computer, printer

1 E Software package, basic

Photocopier



Building 20 Ophthalmology  
Department Ophthalmology

**1 Examination/Consultation Room**

*Equipment, medical*

- 1 Chart, eye, vision testing, Snellen, alphabet/illiterate
- 1 Chart, eye, vision testing, Near chart
- 1 Chart, eye, vision testing, Snellen, E chart
- 1 Light examining
- 1 Sphygmomanometer
- 1 Stethoscope
- 2 Thermometer, clinical
- 1 Tonometer
- 2 Screen, four fold, on castors
- 1 Weighing scale, adult, physician, with height measurement, metric, 140kgx100g
- 1 Weighing scale, toddler, springtype
- 1 Weighing scale, baby, basin type, 16 kg

*Equipment, medical, Ophthalmology*

- 1 Ophthalmoscope, direct
- 1 Slit lamp
- 1 Magnifying loop
- 1 Trial set with trial frame, small
- 1 Lensometer

*Equipment, medical, Surgical Instruments*

- 1 Diagnostic equipment set for MD/CO

*Furniture, medical*

- 1 Examination couch

*Sundries, Miscellaneous*

- 1 Torch, penlight, with extra bulb

**1 Examination/Consultation Room (items can be split to 2 rooms Consultation and Treatment Room)**

*Equipment, medical, Surgical Instruments*

- 3 Chalazion Set
- 1 Instrument set, foreign body removal
- 3 Instrument set, suturing
- 2 Instrument set, Entropion
- 2 Instrument set, Enucleation
- 2 Instrument set, Suture removal set
- 2 Instrument set I &D
- 1 Instrument set, cataract
- 3 Scissors, stitch
- 3 Scissors, curved, small
- 3 Scissors, curved, medium
- 5 Needle holders
- 2 Epilation forceps
- 2 Lid retractors adult
- 2 Lid retractors children
- 4 Lid retractors demars, adult
- 4 Lid retractors demars, children
- 5 Forceps, artery curved, small
- 5 Forceps, artery straight, small
- 5 Forceps, dissecting, toothed, small
- 2 Forceps, dissecting, non toothed
- 1 Knife handle, surgical, Bord Parker 3
- 1 Knife handle, surgical, Bord Parker 4

- 1 Forceps, steriliser, CHEATLE, 270mm

*Equipment, medical*

- 1 Trolley, dressing, with shelves, s/s, 600L x 450W x 800H mm.
- 1 Wheel chair

*Furniture, medical*

- 1 Drip stand, double hook, adjustable height, on castors

*Furniture, office*

- 1 Bin, pedal
- 1 Clock, wall type, with second hand
- 1 Kettle, boiling, 2 ltr
- 1 Chair, armchair office
- 1 Basket, waste paper
- 1 Bench, wood
- 2 Stool, adjustable with cushion
- 1 Cupboard, low
- 1 Cupboard, high
- 1 Table, office
- 1 Desk, computer and printer

*Equipment, glassware*

- 1 Bottle, eye dropper, glass 60 ml
- 1 Eyeball glass
- 1 Measure, medicine glass

*Equipment, sterilization*

- 1 Autoclaving machine, medium, steam

*Hallow ware / Containers*

- 3 Basin, dispensing, s/s 25ml
- 2 Bowl s/s 152mm
- 2 Bowl s/s 255mm
- 1 Box, soap 2 piece hinged plastic
- 3 Gallipot, p/p, 75mm diameter
- 2 Gallipot, s/s, 57ml
- 1 Jug, measuring, various sizes, s/s
- 2 Kidney dish, s/s, 203mm with cover
- 3 Kidney dish, s/s, 152mm, with cover
- 2 Kidney dish, medium with cover
- 2 Measure mediumm p/p 50ml
- 1 Brush, surgeon's, scrub, autoclavable, nylon bristles
- 1 Jar, anerobic, 2,5 ltr with baskets
- 3 Instrument trays with covers
- 2 Sponging holding forceps, small
- 1 Urinal male p/p
- 1 Bed pan s/s
- 1 Mayo tray and stand
- 1 Bowl, kick, s/s, with stand and anti-static castors
- 1 Bucket, mop

**1 Waiting Room**

*Furniture, office*

- 2 Bench, wood

Building 21 Burns

Department Burns

**1 Treatment Room**

*Equipment, medical, Surgical Instrument*

Instrument set, Minor plastic/graft set  
General Plastic set for Burns contracture (???) Release Flap  
Dermatome machine  
Mesh graft machine  
Skin graft knife (in case Dermatoma machine is not recommended for districts hospitals)  
Skin hooks  
Fine instrument set  
Medium/amputation set  
Bone nibbler

*Equipment, domestic*

Blender  
Kettle, boiling, 2 ltr

*Equipment, laundry*

Washing machine  
Drying machine

*Equipment, medical*

Mobile bath tab  
Hall heater  
crutches, walker  
Bed cradle  
Weighing scale (chair or sit up scale)  
Wheel chair  
Bed , examining

*Equipment, medical, sterilization*

Autoclave

*Equipment, medical, sterilization packaging*

Drums, sterilizing, small, medium, large

Building 22 Orthopaedic

Department Orthopaedic

**1 Orthopaedic Office/Plaster Room**

*Equipment, medical*

1 Plaster table, orthopaedic, fracture  
1 Oscillating plaster saw, electric  
1 Light, examining, mobile  
1 Screen, four fold, on castors

*Furniture, medical*

1 Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin  
1 Trolley, plaster  
1 Foot step, 1x  
2 POP electric cast cutter  
2 POP manual cast cutter, small  
2 PoP manual cast cutter, large  
2 Hand drill, electric  
4 Hand drill, manual

- 2 Drill bits
- Steinmans pins threaded, various sizes
- Steinmans pins unthreaded, various sizes
- 10 Stirrups
- 1 Amputation saw, small
- 1 Amputation saw, large
- 3 Saw, Giggli
- K-wires
- 10 Frames, Blaunts
- 100 Crutches various sizes
- 5 Wheel chairs
- 10 Frame, walking, various sizes
- 1 Fragment set
- Holmann's retractors various sizes
- Bone knibblers, various sizes
- Bone currete , various sizes
- Osteotomes, various sizes
- Chisels, various sizes
- Rasp
- Gouges Various sizes
- Forcep, bone holding
- Drum, sterilising
- Hammer, patella
- Tuning Fork
- Tape, measuring
- Trigonometer
- Bone hooks, various sizes
- Hammers, various sizes
- Amputation shield
- Probes
- Thomas splint, various sizes
- External fixator
- Weights
- Bed elevator

#### Common Orthopaedic Equipment in Sets

- 1 E Steinman Pins/Denham Pins ( various sizes), smooth and threaded
- 1 E kirscher Wires (Various sizes)
- 1 E Ciclage wire (Various sizes)
- 1 E Traction stirrups
- 1 E Thomas Splints
- 1 E Bohler-Braun Traction Frames
- 1 E Ortho Beds with overhead traction beams, traction bars, pulleys
- 1 E External Fixation sets; large for lower limbs and small for upper limbs
- 1 E Plaster of Paris Saw / Cutter
- 1 E Plaster of Paris Shears/Scissors
- 1 E Bone Hand drill with Drill Bits of various sizes
- 1 E Pneumatic tourniquet
- 10 E Rubber Escmarc Bandages
- 1 E Jacob Chuck T Handles
- 5 E crutchfield Skull Traction Tongs
- 5 E Hard Neck Collars ( for immobilizing cervical spine)
- 5 E Soft Nect Collars
- 10 E Surgical Boots
- 10 E Thick Aprons

- 10 E Goggles / visors
- Basic Orthopaedic Theater Sets; at least 3 sets each
- 8 E osteotomes ( Various sizes )
  - 3 E Mallets / Hammers ( various sizes )
  - 4 E Homan Retractors ( various sizes )
  - 4 E Periosteal Elevators ( various sizes )
  - 4 E Bone Nibblers
  - 4 E Bone cutters ( various sizes )
  - 4 E Bone Holding Clamps ( various sizes )
  - 4 E Bone Hooks
  - 4 E Bone Spikes
  - 4 E Bone Gouges ( various sizes )
  - 3 E wire Cutters ( various sizes )
  - 3 E Pin Cutters ( various sizes )
  - 4 E Bone Curettes ( various sizes )
  - 3 E Pliers
  - 3 E Gigli Saw
  - 3 E Amputation Saw
  - 3 E Amputation Soft Tissue Place Retractors
  - 3 E Self Retaining Soft Tissue Retractors ( various sizes )

*Furniture, Office*

- 1 Bin, pedal
- 1 Cupboard
- 1 Fan, desk

*Equipment, medical, imaging, x-ray*

- 1 View box, x-ray 4 fields

*Equipment, medical, Instrument*

- 1 Plaster instrument set

**1 Examination Room**

*Equipment, medical, anaesthesia*

- Oxygen cylinder
- Resuscitator

*Equipment, medical, imaging, x-ray*

- View box, X-Ray, PVC Coated

*Equipment, medical, instrument set*

- Diagnostic set for Minor surgery
- Instrument set, Orthopaedic
- Instrument set, General Surgery, large
- Skin grafting set

*Equipment, office*

- Clock, wall type, with second hand

*Furniture, medical*

- Examination couch
- Screen, four folds, with castors
- Drip stand, double hooked

Stretcher  
Trolley, patient  
Trolley, dressing  
Wheelchair

*Furniture, office*

2 Chair, metal  
1 Chair, Executive  
1 Cupboard  
1 Desk, wood  
Dust bin  
1 Bench, wood  
1 Basket, waste paper

**1 Plaster Room**

*Equipment , medical*

Treatment bed/operating table/ theatre bed  
Water container with tap, on stand, Capacity of container 20 Litre, inclusive basin  
Screen, four fold, on castors  
Drip stand, double hooked  
Pop cast cutter, electric

*Equipment , medical, imaging, x-ray*

View box, x-ray, 3 fields

*Furniture, medical*

1 Bench, wood  
2 Chair, wood  
1 Cupboard fro cottons and bandages/instrument  
1 Cupboard, metal, high  
1 Trolley, dressing

*Equipment, Office*

1 Clock, wall with minute hand  
1 Table, wood  
1 Chair, wood  
1 Chair, executive  
1 Benches  
1 Dust bin

*Equipment , medical, instruments*

1 Instrument set, orthopaedic  
1 Instrument set, minor surgery  
1 Instrument set, suture  
  
4-bed HDU / ICU  
4 Adjustable Beds  
4 Automated blood Pressure Machines  
4 Pulse Oximeters  
4 ECG Monitors; 3-leads  
1 Glucometer  
2 Suction Machine; Electrical  
2 Suction machine; Manual

- 4 Oxygen Concentrators
- 4 Syringe Drivers
- 4 Oxygen Cynders; large size, British Standard
- 4 Oxygen Cynders; small size, British Standard
- 4 Digital Thermometer
- 4 Resuscitator; Manual
- 2 Ventilator; Volume





# **PART IV**

## **INSTRUMENT SETS COMPOSITION**

**FOR**

**‘TYPICAL HEALTH  
CENTRE AND DISTRICT  
HOSPITAL’**



## INSTRUMENT SETS COMPOSITION FOR TYPICAL DISTRICT HOSPITAL AND HEALTH CENTER

### Cleaning Utensils, set

1	HWC	Bucket, mop, galvanised, 12 ltr
1	SUD	Mop, floor

### Diagnostic equipment set for HC

2	EME	Depressor, tongue, metal, adult/child
1	EME	Reflex hammer, solid rubber head
1	EME	Sphygmomanometer, aneroid, child and adult cuffs
1	EME	Stethoscope, foetal, aluminum
1	EME	Stethoscope, nurse
1	EME	Tape measure, cloth, 2m
5	EME	Thermometer, clinical, oral, prismatic, degree C / F
5	EME	Thermometer, clinical, rectal, degree C
1	EMI	Syringe, aural, irrigating, Kramer, metal, 90ml
1	EMI	Torch, examination, penlight, w/ extra bulb
1	HWC	Box, Instruments, s/s, w/ cover, 300x200x50 mm

### Diagnostic Equipment set for MCH

2	EME	Depressor, tongue, metal, adult/child
1	EME	Reflex hammer, solid rubber head
1	EME	Sphygmomanometer, aneroid, child and adult cuffs
1	EME	Stethoscope, foetal, aluminum
1	EME	Stethoscope, nurse
1	EME	Tape measure, cloth, 2m
5	EME	Thermometer, clinical, oral, prismatic, degree C / F
5	EME	Thermometer, clinical, rectal, degree C
1	EMI	Speculum, vaginal, bi-valve, Graves, medium, s/s
1	EMI	Syringe, aural

### Diagnostic equipment set for MD/CO

5	EME	Depressor, tongue, metal, adult/child
1	EME	Ophthalmoscope, standard
1	EME	Otoscope
1	EME	Reflex hammer, solid rubber head
2	EME	Sphygmomanometer, aneroid, child and adult cuffs
2	EME	Stethoscope, binaural, dual chestpiece
2	EME	Stethoscope, foetal, aluminum
1	EME	Tape measure, cloth, 2m
5	EME	Thermometer, clinical, oral, prismatic, degree C / F
5	EME	Thermometer, clinical, rectal, degree C
1	EME	Tuning Fork, 512 Hz
1	EMI	Protoscope, child / adult
3	EMI	Speculum, vaginal, bi-valve, Graves, medium, s/s
1	EMI	Syringe, aural, irrigating, Kramer, metal, 90ml
2	EMI	Torch, examination, penlight, w/ extra bulb

### Diagnostic equipment set for medical assistant HC

2	EME	Depressor, tongue, metal, Adult / Child
1	EME	Ophthalmoscope
1	EME	Otoscope
1	EME	Reflex Hammer, solid rubber head
1	EME	Sphygmomanometer, aneroid, child and adult cuffs
1	EME	Stethoscope, foetal, aluminum
1	EME	Stethoscope , Nurse
1	EME	Tape measure, cloth, 2m
5	EME	Thermometer, clinical, oral, prismatic, degree C / F
5	EME	Thermometer, clinical, rectal, degree C
1	EMI	Syringe, aural, irrigating, Kramer, metal, 90ml
1	EMI	Torch, examination, penlight, w/extra bulb

### Diagnostic Equipment for ward / nurse

2	EME	Depressor, tongue, metal, Adult / Child
1	EME	Reflex Hammer, solid rubber head
2	EME	Sphygmomanometer, aneroid, child and adult cuffs
2	EME	Stethoscope, foetal, aluminum
2	EME	Stethoscope , Nurse
2	EME	Tape measure, cloth, 2m
5	EME	Thermometer, clinical, oral, prismatic, degree C / F

### Glassware set, pharmacy

1	EGL	Beaker, glass, pyrex, graduated, low-form, w/spout, 50 ml
1	EGL	Beaker, glass, pyrex, graduated, low-form, w/spout, 100 ml
1	EGL	Beaker, glass, pyrex, graduated, low-form, w/spout, 250 ml
1	EGL	Beaker, glass, pyrex, graduated, low-form, w/spout, 500 ml
1	EGL	Beaker, glass, pyrex, graduated, low-form, w/spout, 1000 ml
1	EGL	Cylinder, measuring, glass, graduated, 100 ml
1	EGL	Cylinder, measuring, glass, graduated, 10 ml
1	EGL	Cylinder, measuring, glass, graduated, 500ml
1	EGL	Funnel, glass, Pyrex, medium, 150 daimeter
3	EGL	Mortar and pestle, glass, medium, 150 mm dia
3	EGL	Mortar and pestle, ground glass, medium, 150 mm dia
1	EGL	Rod, stirring, glass, 200x7 mm
1	EGL	Rod, stirring, glass, 230x6mm
1	EGL	Rod, stirring, glass, 300x8mm

## Glassware set, Laboratory

2	EGL	Beaker, glass, Pyrex, graduated, low-form, w/spout, 50ml
2	EGL	Beaker, glass, Pyrex, graduated, low-form, w/spout, 250ml
2	EGL	Beaker, glass, Pyrex, graduated, low-form, w/spout, 500ml
2	EGL	Beaker, glass, Pyrex, graduated, low-form, w/spout, 1000ml
10	EGL	Bottle, dropper, amber glass, for stains, 50 ml
1	EGL	Bottle, reagent, amber glass, glass stopper, 1.0 l
1	EGL	Bottle, reagent, amber glass, glass stopper, 2.5 l
1	EGL	Bottle, reagent, clear glass, glass stopper, 1.0 l
1	EGL	Bottle, reagent, clear glass, glass stopper, 2.5 l
600	EGL	Cover glass, microscope slide, 22x22mm
1	EGL	Funnel, lab, filter, Buchner, inside diameter, 56mm
5	EGL	Pipette, serological, hrg, graduated, 1 ml/0.01 ml
5	EGL	Pipette, serological, hrg, graduated, 5 ml/0.01 ml
2	EGL	Rod, stirring, glss, 200x7mm
200	EGL	Slide, micoscope, glss, 25x75
100	EGL	Test Tube, glass, borosilicate, w/rim, 150x16 hrg
1	EME	Rack, staining, microscope slide staining, for 25 slides
1	EME	Rack, test tube, wood, 12 tube
1	EMI	Forceps, coverglass, Kuehne, flat, bent tips, 100mm
1	EMI	Forceps, microscope slide, Kirkbide, 125 mm
1	HCW	Bottle aspirator, lab., polythene, w/ carrying handle, 10 litres
1	HCW	Bottle aspirator, lab., polythene, w/ carrying handle, 2 litres
1	HCW	Bottle aspirator, lab., polythene, w/ carrying handle, 5 litres
2	HCW	cylinder, measuring, p/p, graduated, 50 ml
2	HCW	cylinder, measuring, p/p, graduated, 100 ml
2	HCW	cylinder, measuring, p/p, graduated, 500 ml
2	HCW	cylinder, measuring, p/p, graduated, 1000 ml
1	HCW	Funnel, lab., hrg. Ribbed, 115 mm/250 ml
1	HCW	Funnel, lab., p/e, ribbed, 100 mm diameter
1	HCW	Funnel, lab., p/e, ribbed, 160 mm diameter
1	HCW	Funnel, lab., pouring, p/e, large, 200 mm diameter
3	HCW	Wash bottle, polythene, oval, w/ spout, 500 ml
2	TLX	Scriber, glass marking, tungsten carbide, 125 mm

## Glassware/plasticware, set, laboratory, basic

2	EGL	Beaker, glass, Pyrex, graduated, low-form, with spout, 50 ml
2	EGL	Beaker, glass, Pyrex, graduated, low-form, with spout, 250 ml
2	EGL	Beaker, glass, Pyrex, graduated, low-form, with spout, 500 ml
2	EGL	Beaker, glass, Pyrex, graduated, low-form, with spout, 1000 ml
10	EGL	Bottle, dropper, amber glass, for stains, 50 ml
1	EGL	Bottle, reagent, amber glass, glass stopper, 1.0 l
1	EGL	Bottle, reagent, clear glass, glass stopper, 1.0 l
1000	EGL	Cover glass, microscope slide, 22x22mm
1	EGL	Cylinder, measuring, glass, graduated, borosilicate, 50 ml
1	EGL	Cylinder, measuring, glass, graduated, borosilicate, 100ml
1	EGL	Cylinder, measuring, glass, graduated, borosilicate, 500 ml
1	EGL	Cylinder, measuring, glass, graduated, borosilicate, 1000 ml
2	EGL	Flask, conical, Erlenmeyer, graduated, wide neck, glass, pyrex, 250 ml
2	EGL	Flask, conical, Erlenmeyer, graduated, wide neck, glass, pyrex, 500 ml
1	EGL	Flask, conical, Erlenmeyer, graduated, wide neck, glass, pyrex, 1000 ml
1	EGL	Flask, volumetric, p/p stopper, 100 ml
1	EGL	Flask, volumetric, p/p stopper, 200 ml
1	EGL	Flask, volumetric, p/p stopper, 250 ml
1	EGL	Flask, volumetric, p/p stopper, 500 ml
1	EGL	Flask, volumetric, p/p stopper, 1000 ml
1	EGL	Funnel, lab, filter, Buchner, inside diameter 56 mm
20	EGL	Pipette, Pasteur, p/e, 1 ml
5	EGL	Pipette, serological, hrg, graduated, 1 ml/0.01 ml
5	EGL	Pipette, serological, hrg, graduated, 2 ml/0.02 ml
5	EGL	Pipette, serological, hrg, graduated, 5 ml/0.1 ml
5	EGL	Pipette, serological, hrg, graduated, 10 ml/0.01 ml
5	EGL	Rod, stirring, glass, 200x7mm
500	EGL	Slide, microscope, glass, 25x75 mm
100	EGL	Stopper, for test tube, ldp/e, 16 mm
100	EGL	Test tube glass, 100x16 mm
200	EGL	Test tube , glass, borosilicate, w/ rim, 150x16mm hrg
2000	EGL	Test tube, p/e, 100x16 mm
200	EGL	Tube, sedimentation, conical bottom, glass, 105 x 16 mm
1	EME	Pipette filler, 3-way valve, universal, PVC
1	EME	Rack, staining, with rack, microscope slide staining, for 25 sludes
3	EME	Rack, test tube, metal frame, nylon coated, 24 tubes
1	HWC	Bottle, aspirator, lab., polythene, with carrying handle, 10 litres
1	HWC	Bottle, aspirator, lab., polythene, with carrying handle, 5 litres
1	HWC	Bottle, reagent, amber glass, glass stopper, 500 ml
1	HWC	Bottle, reagent, clear glass, glass stopper, 500 ml
50	HWC	Container, specimen, sputum, 60 ml
50	HWC	Container, specimen, universal, w/ screw cover, reusable, p/p, 100 ml
1	HWC	Funnel, lab., hrg, ribbed, 115 mm / 250 ml
1	HWC	Funnel, lab., p/e, 100 mm
1	HWC	Funnel, lab., ribbed, 160 mm dia.
1	HWC	Funnel, lab., pouring, p/e, large, 200 mm dia.
1	HWC	Washbottle, polythene, oval, with spout, 250 ml
1	HWC	Washbottle, polythene, oval, with spout, 500 ml
2	SUM	Brush, test tube, nylon, bristle, 12-16 mm
5	SUM	Gloves, cleaning, pair, heavy duty, rubber
1	SUM	Rack, draining, glassware, 560x560 mm
2	SUX	Brush, bottle cleaning, white nylon, 40x50 mm

### **Hollow ware set, laboratory**

- 1 HWC Bowl, wash, p/e, 6 ltr
- 1 HWC Bowl, wash, shallow, autoclavable, p/p, 4 ltr
- 1 HWC Container, for sharps, for approx. 250 needles
- 1 HWC Container, for sharps, p/e, 4 ltr
- 2 HWC Tray, instrumen, p/p, 350x250x50 mm

**Hollow ware, set, consulting room**

1	EGL	Bottle, round screw-cap, amber glass, 50 ml
1	HWC	Bottle, dropper, polyethylene, w/ pipette, 60 ml
1	HWC	Bottle, flat, plastic, 120 ml
1	HWC	Bowl, sponge, s/s, 600 ml
1	HWC	Box, soap, 2-piece, hinged, plastic
1	HWC	Jar, ointment, plastic, 60 ml
2	HWC	Kidney dish, s/s, 475 ml

**Hollow ware, set, delivery room**

1	EMI	Forceps, steriliser, Cheatle, 270 mm
2	HWC	Basin, utility, p/p, 4 ltr
1	HWC	Bedpan, adult, s/s
2	HWC	Bowl, sponge, s/s, 600 ml
1	HWC	Bowl, wash, s/s, 600 ml
1	HWC	Box, soap, 2-piece, hinged, plastic
1	HWC	Jar,, for Cheastles forceps, s/s, 100 mmx 200 mm
2	HWC	Kidney dish, s/s, 203 mm
2	HWC	Kidney dish, s/s, 825 ml
1	HWC	Pail,, waste, with cover
1	HWC	Tray instruments
2	SUM	Brush, surgeon's, scrub, autoclavable, nylon bristle

**Hollow ware, set, theatre**

3	HWC	Bucket, mop
2	HWC	Dustbin, pedal, s/s 12 l
1	HWC	Tray, instrument, covered, s/s, 312x200x69mm

**Hollow ware, set, treatment room**

1	EGL	Bottle, eye dropper, glass, 60 ml
1	EGL	Eye bath, glass
1	EGL	Measure, medicine, glass
1	EMI	Forceps, steriliser, Cheatle, 270 mm
1	HWC	Basin, utility, p/p, 4 ltr
1	HWC	Bedpan, s/s
3	HWC	Bowl, dispensing, s/s, 25 ml
2	HWC	Bowl, lotion, s/s, 255 mm
2	HWC	Bowl, lotion, s/s, 152 mm
1	HWC	Box, soap, 2-piece, hinged, plastic
1	HWC	Douche can, enema, p/p, with tubing
1	HWC	Douche nozzle
3	HWC	Gallipot, p/p, 75 mm dia.
2	HWC	Gallipot, s/s, 57 ml
1	HWC	Jar, for Cheatles forceps, s/s, 100mm diax 200 mm
1	HWC	Jug, measuring, various sizes, s/s
2	HWC	Kidney dish, s/s, 152 mm
2	HWC	Kidney dish, very large, s/s
2	HWC	Lid for kidney dish, s/s, 152 mm
2	HWC	Lid for lotion bowl, s/s, 152 mm
2	HWC	Measure, medicine, p/p, 50 ml
1	HWC	Tray, instrument, p/p, 350x250x50mm
1	HWC	Urinal, male, p/p
1	SUM	Brush, surgeon,s, scrub, autoclavable, nylon bristle



**Hollow ware, set, duty station**

1	EMI	Forceps, steriliser, Cheatle, 270 mm
3	HWC	Bedpan, adult, s/s
3	HWC	Bedpan, child, s/s
5	HWC	Bowl, dispensing, s/s, 25 ml
3	HWC	Bowl, wash, s/s, 6 ltr
1	HWC	Box, soap, 2-piece, hinged, plastic
1	HWC	Gallipot, s/s, medium, 75 mm dia
1	HWC	Jar, for Cheatle forceps, s/s, 100 mm dia. X200 mm
2	HWC	Jug, measuring, various sizes, s/s
3	HWC	Kidney dish, s/s, 203 mm
3	HWC	Mug, sputum, s/s
3	HWC	Tray, serving, s/s
2	HWC	Urinal, male, s/s

**Instrument, set, anaesthesia**

2	EME	Bandage, for tourniquet, Esmrck
2	EME	Sphygmomanometer, aneroid, large dial, adult cuff
1	EME	Stethoscope, binaural, dual chestpiece
2	EME	Tourniquet, pneumatic

**Instrument, set, anaesthesia, intubation**

2	EME	Adaptor, tracheal, set, plastic, set, male cone fit, 3mm to 10 mm, 15mm
2	EME	Airway, Guedel, rubber w/ metal insert, size 00
2	EME	Airway, Guedel, rubber w/ metal insert, size 000
2	EME	Airway, Guedel, rubber w/ metal insert, size 1
4	EME	Airway, Guedel, rubber w/ metal insert, size 2
8	EME	Airway, Guedel, rubber w/ metal insert, size 2.5
8	EME	Airway, Guedel, rubber w/ metal insert, size 3
4	EME	Airway, Guedel, rubber w/ metal insert, size 4
2	EME	Airway, nasal
3	EME	Brush, cleaning tracheal tubes, large
3	EME	Brush, cleaning tracheal tubes, medium
3	EME	Brush, cleaning tracheal tubes, small
1	EME	Catheter, connecting tube, mount, 90 mm
20	EME	Catheter, tracheal, suction, plastic, Ch.8
20	EME	Catheter, tracheal, suction, plastic, Ch.12
20	EME	Catheter, tracheal, suction, plastic, Ch. 16
20	EME	Catheter, tracheal, suction, plastic, Ch. 20
1	EME	Cone, female, plain, anti-static, 150mm and 22 mm
1	EME	Cone, male, 22 mm at one end and 15 mm at the other end
1	EME	Connector, tracheal, angled, 15 mm female cone
2	EME	Gag, mouth, Fergusson, w/ Ackland jaws, adult size
2	EME	Laryngoscope, Mackintosh, folding with 4 blades in pouch
2	EME	Wedge, anaesthetic, boxwood or plastic
2	EMI	Forceps, anaesthetic, Magill, adult size
2	EMI	Forceps, anaesthetic, Magill, child size
4	EMI	Introducer, for endotracheal tubes, malleable
1	EMI	Introducer, for infant and child tracheal tubes
1	EMI	Spray, oral, Macintosh, w/ malleable rubber covered tube
10	SUM	Tube, endotracheal, Magill, cuffed, red rubber
100	SUM	Tube, endotracheal, Magill, cuffed, red rubber (disposable)
6	SUM	Tube, endotracheal, oxford, cuffed, rubber, size, 6mm
6	SUM	Tube, endotracheal, oxford, cuffed, rubber, size, 7mm
6	SUM	Tube, endotracheal, oxford, cuffed, rubber, size, 8 mm

6	SUM	Tube, endotracheal, oxford, cuffed, rubber, size, 9 mm
2	SUM	Tube, endotracheal, Oxford, uncuffed, rubber, size, 10 mm
2	SUM	Tube, endotracheal, Oxford, uncuffed, rubber, size, 3.5 mm
2	SUM	Tube, endotracheal, Oxford, uncuffed, rubber, size, 3mm
2	SUM	Tube, endotracheal, Oxford, uncuffed, rubber, size, 4 mm
2	SUM	Tube, endotracheal, Oxford, uncuffed, rubber, size, 5 mm
2	SUM	Tube, endotracheal, Oxford, uncuffed, rubber, size, 6 mm
2	SUM	Tube, endotracheal, Oxford, uncuffed, rubber, size, 7 mm
100	SUM	Tube, endotracheal, un-cuffed, 10 assorted disposable
50	SUM	Tube, stomach, plastic, large, disposable, 76 cm
50	SUM	Tube, stomach, plastic, medium, disposable, 76 cm
50	SUM	Tube, stomach, plastic, small, disposable, 76 cm

### **Instrument set, anaesthesia, local/regional drug techniques**

5	EME	Aneasthesia kit, epidural, w/ 16 G needle
4	EMI	Introducer, for spinal needle, Sise
60	EMI	Needle, for 2.2 mm cartridge syringe, 0.4 mm, long
60	EMI	Needle, for 2.2 mm cartridge syringe, 0.4 mm, short
2	EMI	Needle, epidural, Tuohy w/ stillete, 18 G needle
20	EMI	Needle, hypodermic, 0.65x25 mm
10	EMI	Needle, hypodermic, 1.25 x 76 mm
10	EMI	Needle, hypodermic, Luer fitting, 0.45 x 13 mm
50	EMI	Needle, spinal, Luer, (disposable), 0.7 x 70 mm
4	EMI	Needle, spinal, Pannett, Luer, 0.9 x 100 mm
2	EMI	Syringe,, dental cartridge type, 2.2 ml
10	SUM	Syringe, glass, metal tip, central nozzle, Luer, 1 ml
20	SUM	Syringe, glass, metal tip, central nozzle, Luer, 2 ml
20	SUM	Syringe, glass, metal tip, central nozzle, Luer, 5 ml
20	SUM	Syringe, glass, metal tip, central nozzle, Luer, 10 ml
10	SUM	Syringe, glass, metal tip, central nozzle, Luer, 20 ml
2	SUM	Syringe, glass, metal tip, central nozzle, Luer, 50 ml

### **Instrument set, anaesthesia, paediatric**

1	EME	Entrainer, Farman's paediatric, use w/ EMO child circuit
3	EME	Mask, anaesthesia, child, Rendell-Baker, size, 0
3	EME	Mask, anaesthesia, child, Rendell-Baker, size, 1
3	EME	Mask, anaesthesia, child, Rendell-Baker, size, 2
1	EME	T-piece, child circuit kit, Ayre's, for EMO vaporiser
2	EME	Valve, non-rebreathing, anaesthesia type, paediatric for controlled or spontaneous respiration, Ambu E, w/ 22 mm male inlet, 22/15mm patient, 22 ,, male outlet cones, w/ 4 spare leaflets

### **Instrument set, anaesthesia, valves, masks**

2	EME	Harness for face mask
4		Mask, anaesthesia, Essex, size 0, for 22 mm fitting
4		Mask, anaesthesia, Essex, size 1, for 22 mm fitting
4		Mask, anaesthesia, Essex, size 2, for 22 mm fitting
4		Mask, anaesthesia, Essex, size 3, for 22 mm fitting
4		Mask, anaesthesia, size 5
10		Tube, corrugated, anaesthetic, 22 mm dia., 1.5 metre
1		Valve, expiratory, Heidbrink, angled connector, 20 mm, ISO cone
2		Valve, non-rebreathing, anaesthesia type, adult, for controlled or spontaneous respiration, Ambu E, w/ 22 mm male inlet, 22/15 mm patient 22 mm male outlet cones, w/ 4 spare leaflets

### Instrument set, dental extraction

1	EGL	Slab, mixing, dental, s/s, white, No. 10
2	EMI	Clip, towel, Mayo
2	EMI	Excavator, dental, double-ended, SSW, No. 17, SS
2	EMI	Excavator, dental, double-ended, SSW, No. 18, SS
1	EMI	Forceps, dental extraction, lower anterior, child, s/s
1	EMI	Forceps, dental extraction, lower anterior, s/s
1	EMI	Forceps, dental extraction, lower full molar, s/s
1	EMI	Forceps, dental extraction, lower pre molar, s/s
1	EMI	Forceps, dental extraction, upper anterior, child, s/s
1	EMI	Forceps, dental extraction, upper anterior, s/s
1	EMI	Forceps, dental extraction, upper left molar, s/s
1	EMI	Forceps, dental extraction, upper pre molar, s/s
1	EMI	Forceps, dental extraction, upper right molar, s/s
2	EMI	Handle, mouth-examining, mirror, s/s
6	EMI	Mirror, muth-examining, plane glass, w/o handle
3	EMI	Tweezers, dental, bayonette form, smooth, s/s
1	HWC	Box, instruments, s/s, w/cover, 300 xx 200 x 50 mm

### Instrument set, dilitation and curettage

1	EME	Hawkin Amber set
1	EMI	Catheter, metal, female, s/s, Ch. 12
4	EMI	Clip, towel, cross action
1	EMI	Curette, Rheinstater
1	EMI	Curette, blunt, D. E., Sims
1	EMI	Forceps, Vant polyp
1	EMI	Forceps, dissecting, Bonney, 1x2 teeth
1	EMI	Forceps, dissecting, Bonney, plain
1	EMI	Forceps, dressing, Bozemann
1	EMI	Forceps, ovum, MacClintock
3	EMI	Forceps, sponge, Rampley
2	EMI	Forceps, uterine, vulsellum, Teale
1	EMI	Sound, uterine
1	EMI	Speculum, vaginal, Auvard
1	EMI	Speculum, vaginal, Sim's

### Instrument set,

1	EMI	Clippers, hair
1	EMI	Forceps, dissecting, Stille, 1:2, 120 mm
2	EMI	Forceps, dressing, standard, straight, 115 mm
1	EMI	Forceps, sinus, 178 mm
1	EMI	Forceps, splinter, w/ magnifying glass, 90 mm
1	EMI	Forceps, swab ho;ding, Foerster, 200 mm
1	EMI	Scissrs, Mayo, straight, 150 mm
1	EMI	Scissors, dressing, Lange, straight, 180 mm
1	EMI	Scissors, ligature, Spencer, 130 mm
2	EMI	Shaving stick, reusable
1	HWC	Bowl, lotion, s/s, 110 mm dia. X 40 mm
1	HWC	Box, instruments, s/s, w/ cover, 300 x 200 x 50 mm
2	HWC	Gallipot, p/p, 75 mm dia.
2	HWC	Kidney dish, assorted sizes, s/s

### **Instrument sets, ENT, casualty**

1	EME	Auriscope, plastic handle and speculae
2	EME	Depressor, tongue, metal, Adult / Child
1	EMI	Forceps, aural, Hartmann
1	EMI	Forceps, nasal dressing and tampon, Troeltsch
1	EMI	Forceps, swab holding, Foerster, 200 mm
1	EMI	Hook, foreign body lever, Gardiner Brown, Downs
1	EMI	Knife handle, surgical, Bard Parker No. 3
1	EMI	Knife handle, surgical, Bard Parker No. 4
1	EMI	Scissors, dressing, Lange, stright, 180 mm
1	EMI	Speculum, nasal, s/s
1	EMI	Syringe, aural
1	HWC	Box, instruments, s/s, w/ cover,, 300 x 200x 50 mm
2	HWC	Gallipot, s/s, medium, 75 mm dia.
2	HWC	Kidney dish, assorted sizes, s/s

### **Instrument sets, episiotomy and tears, extra**

1	EMI	Forceps, dissecting, Bonney, plain
1	EMI	Forceps, dissecting, Bonney, toothed
1	EMI	Speculum, vaginal, bi-valve, Graves, medium, s/s
1	HWC	Box, instruments, s/s, w/ cover, 300 x 22 x 50 mm

### **Instrument sets, foreign body removal**

1	EMI	Forceps, dissecting, plain, straight, 125 mm
1		Forceps, nasal dressing, Hartmann's
1		Forceps, splinter, Peets
1		Forceps, swab holding, Foerster, 200 mm
1		Speculum, nasal, set of four, Thudicum
1	HWC	Box, instruments, s/s, w/ cover, 300 x 200 x 50 mm

## Instrument set, general surgery, large

10	EMI	Clip, towel, Mayo
1	EMI	Dissector, Watson Cheyne, fine, with probe, 125 mm
1	EMI	Elevator, Mac Donald
1	EMI	Forceps, anchoring, Robin, screw joint, for suction tubing, 25 mm
5	EMI	Forceps, artery, Caim
5	EMI	Forceps, artery, Crile, curved
5	EMI	Forceps, artery, Halstead or Dunhill, curved
10	EMI	Forceps, artery, Spencer Wells, straight, 178 mm
5	EMI	Forceps, cholecystectomy, Moynihan
1	EMI	Forceps, dissecting, Gillies
1	EMI	Forceps, dissecting, Lane or Bickford, 1x2 teeth
1	EMI	Forceps, dissecting, Lane or Bickford, plain
1	EMI	Forceps, dissecting, Macindoe
1	EMI	Forceps, dissecting, Maingot, 1x2 teeth
1	EMI	Forceps, dissecting, Maingot, plain
1	EMI	Forceps, dissecting, Waugh, 203 mm, 1x2 teeth
1	EMI	Forceps, dissecting, Waugh, plain, 203 mm, 1x2 teeth
1	EMI	Forceps, sinus, 178 mm
5	EMI	Forceps, sponge, Rampley
2	EMI	Forceps, tissue, Allis
2	EMI	Forceps, tissue, Babcock
2	EMI	Forceps, tissue, Duval
2	EMI	Forceps, tissue, Lane, or Littlewood or Pointer
5	EMI	Instrument pin
4	EMI	Knife handle, surgical, Bard Parker, No. 3
4	EMI	Knife handle, surgical, Bard Parker, No. 4
1	EMI	Needle Holder, Mayo, 152 mm
2	EMI	Needle Holder, Mayo, 203 mm
1	EMI	Needle Holder, Nauton Morgan, 254 mm
1	EMI	Needle, aneurysm
1	EMI	Probe, 152 mm
1	EMI	Quiver
1	EMI	Retractor, Gosset or Balfour
2	EMI	Retractor, Kelly, 2 sizes
2	EMI	Retractor, Langenback, large
1	EMI	Retractor, Morris, 51 mm
1	EMI	Retractor, Travers
1	EMI	Scissors, Mayo, curved, 165 mm
1	EMI	Scissors, Mayo, straight, 165 mm
1	EMI	Scissors, McIndoe
1	EMI	Scissors, Metzenbaum
1	EMI	Scissors, Nelson
1	EMI	Scissors, Volkmann
1	EMI	Tube, suction, Yankauer

## Instrument set, hernia / hydrocoelectomy

1	EMI	Conductor, ligature, Schmieden, 190 mm
10	EMI	Forceps, artery, Hartmann, Mosquito, straight, 120 mm
6	EMI	Forceps,artery, Kocher, straight, 160 mm
6	EMI	Forceps,artery, Spencer Wells, curved, 120 mm
6	EMI	Forceps,artery, Spencer Wells, curved, 180 mm
6	EMI	Forceps,artery, spencer Wells, straight, 120 mm
6	EMI	Forceps,artery, spencer Wells, straight, 180 mm
2	EMI	Forceps,clamp, Michel, 120 mm
4	EMI	Forceps, dissecting, Stille, 1:2, 120 mm
4	EMI	Forceps, dressing, standard, straight, 115 mm
2	EMI	Forceps, swab holding, Foerster, 200 mm
10	EMI	Forceps, towel, Backhaus, 80 mm
2	EMI	Knife handle, surgical, Bard Parker, No.3
2	EMI	Knife handle, surgical, Bard Parker, No.4
1	EMI	Needle holder, Martin-Multiple, spring action, 210 mm
1	EMI	Needle holder, Mathieu, spring action, 170 mm
1	EMI	Needle holder, Mayo_ Hegar, straight, 160 mm
5	EMI	Needle, suture, curved, cutting and round bodied
2	EMI	Nozzle, suction, Yankauer, w/ removable outer cover, 220 mm
2	EMI	Pin, safety, Mayo, large, for storing artery forceps
2	EMI	Retractor, Desmarres, 160 mm, 16 mm blade
2	EMI	Retractor, Graefe, one-toothed, 160 mm
2	EMI	Retractor, Langenbeck, 210 mm, 60x20 mm blade
2	EMI	Retractor, langenbeck, small, 160 mm, 22 x 8 mm blade
1	EMI	Retractor, Roux, double bladed, 140 mm, 150 mm, 170 mm
1	EMI	Scissors, operating, curved, blunt, standard, 105 mm
1	EMI	Scissors, operating, curved, blunt, standard, 185 mm
1	EMI	Scissors, operating, fine, 115mm
1	EMI	Scissors, operating, straight, blunt, standard, 105 mm
1	EMI	Scissors, operating, straight, blunt, standard, 185 mm
1	EMI	Trocar set, standard, 3.0, 4.0, 5.0 mm bore, 120 mm, w/ stopcock
2	HWC	Bowl, lotion, s/s, 110 mm dia x 40 mm
1	HWC	Box, instruments, s/s, w/ cover, 575 x 275 x 130 mm
2	HWC	Gallipot, s/s, medium, 75 mm dia.

### **Instrument set, hysterectomy**

4	EMI	Clip, towel, Backhaus
6	EMI	Forceps, artery, Kocher, straight, 127 mm
6	EMI	Forceps, artery, mayo, Ochsner, curved, 150 mm
10	EMI	Forceps, artery, Spencer wells, 127 mm
5	EMI	Forceps, artery, Spencer wells, 203 mm
4	EMI	Forceps, cholecystectomy, Moynihan
1	EMI	Forceps, dissecting, Bickford
1	EMI	Forceps, dissecting, Bickford, 1x 2 teeth
1	EMI	Forceps, dissecting, Bonney, 1x 2 teeth
1	EMI	Forceps, dissecting, Bonney, plain
1	EMI	Forceps, dissecting, Maingot, 1x2 teeth
1	EMI	Forceps, dissecting, Maingot, plain
5	EMI	Forceps, sponge, Rampley
4	EMI	Forceps, tissue, Allis
2	EMI	Forceps, tissue, Judd Allis, 195 mm
2	EMI	Forceps, tissue, Littlewood
2	EMI	Forceps, uterine, vulsellum, Teale, curved, 230 mm
4	EMI	Instrument pin, Mayo, w/ ball end. 100 mm, 150 mm
2	EMI	Knife handle, surgical, Bard Parker, No. 4
1	EMI	Needle holder, Mayo, 152 mm
2	EMI	Needle holder, Mayo, 203 mm
1	EMI	Needle holder, Reverdin & needles
1	EMI	Packing, Bozemann
1	EMI	Quiver
1	EMI	Retractor, Gelpi
2	EMI	Retractor, Landon
1	EMI	Retractor, Wertheim
1	EMI	Scissors, Mayo, curved, 191 mm
1	EMI	Scissors, Mayo, straight, 191 mm
1	EMI	Scissors, stitch
1	EMI	Screw, myomectomy
1	EMI	Tube, suction, Poole, 240 mm

### **Instrument set, incision and drainage of abscess**

2	EMI	Forceps, artery, curved, Crile, 160 mm
2	EMI	Forceps, artery, straight, Crile, 160 mm
1	EMI	Forceps, dressing, Lister, 160 mm
2	EMI	Forceps, tissue, Allis, 5x6 t, 150 mm
2	EMI	Knife handle, surgical, Bard parker, No. 3
1	EMI	Needle holder, Mayo-Hegar, 178 mm
1	EMI	Scissors, Mayo, curved, 162 mm
1	EMI	Scissors, dissecting, curved, 145 mm
1	EMI	Scissors, dissecting, straight, 145 mm
1	HWC	Box, instrument, s/s, w/ cover, 300 x 200 x 50 mm

### **Instrument set, insertio/removal, IUCD**

1	EMI	Forceps, artery, Spencer Wells, straight, 180 mm
1	EMI	Forceps, sponge, 240 mm
1	EMI	Forceps, uterine, vulsellum, Lewer, 230 mm
1	EMI	Scissors, dissecting, Mayo, straight, dbl. blunt, 170 mm
1	EMI	Sound, uterine
1	EMI	Speculum, vaginal, bi-valve, Graves, Large, s/s
1	EMI	Speculum, vaginal, bi-valve, Graves, medium, s/s
1	EMI	Speculum, vaginal, bi-valve, Graves, small, s/s
1	HWC	Box, instruments, s/s, w/ cover, 300 x 200 x 50 mm
1	HWC	Gallipot, s/s, medium, 75 mm dia.



### Instrument set, IV cut-down

3	EMI	Forceps, artery, Halstead, curved
3	EMI	Forceps, artery, Halstead, straight 125 mm
1	EMI	Forceps, dissecting, fine, 1/2 teeth
1	EMI	Forceps, dissecting, fine, plain ends
1	EMI	Hook, sharp
1	EMI	Hook, skin, McIndoe
1	EMI	Knife handle, surgical, Bard Parker, No. 3
1	EMI	Needle, aneurysm
1	EMI	Needle Holder, Kilner
1	EMI	Scissors, iris

### Instrument set, laparotomy

1	EMI	Decompressor, Intestinal, Savage"s
2	EMI	Clamp, intestinal, curved, Baby-Doyen, atraumatic, 130 mm
2	EMI	Clamp, intestinal, curved, Mayo-Robson, atraumatic, 250 mm
2	EMI	Clamp, intestinal, Payr's, crushing 290 mm
2	EMI	Clamp, intestinal, Payr's-baby, crushing 150 mm
2	EMI	Clamp, intestinal, straight, Baby-Doyen, atraumatic, 130 mm
2	EMI	Clamp, intestinal, straight, Mayo-Robson, atraumatic, 250 mm
1	EMI	Conductor, ligature, Schiemedden, 190 mm
10	EMI	Forceps, artery, Hartmann, Mosquito, straight, 120 mm
6	EMI	Forceps, artery, Kocher, straight , 160 mm
6	EMI	Forceps, artery,, Spencer Wells, curved, 120 mm
6	EMI	Forceps, artery, Spencer Wells, curved, 180 mm
6	EMI	Forceps, artery, Spencer Wells, straight, 120 mm
6	EMI	Forceps, artery, Spencer Wells, straight, 180 mm
4	EMI	Forceps, clamp, peritoneal, Miculicz, 180 mm
4	EMI	Forceps, dissecting,, Stille, 1:2, 120 mm
4	EMI	Forceps, dressing, standard, straight, 115 mm
2	EMI	Forceps, swab holding, Foerster, 200 mm
10	EMI	Forceps, towel, Backhaus, 80 mm
2	EMI	Knife, handle, surgical, Bard Parker, No. 3
2	EMI	Knife, handle, surgical, Bard Parker, No. 4
1	EMI	Needle holder, Martin-Multiple, spring action, 210 mm
1	EMI	Needle holder, Mathieu, spring action, 170 mm
1	EMI	Needle holder, Mayo-Hegar, straight, 160 mm
1	EMI	Needle holder, Mayo-Hegar, straight, 182 mm
1	EMI	Needle holder, Wernheim, 240 mm
1	EMI	Needle, ligature, blunt, Deschamos, left handed, 200 mm
1	EMI	Needle, ligature, blunt, Deschamos, right handed, 200 mm
5	EMI	Needle, suture, curved, cutting and round bodied
2	EMI	Nozzle, suction, Yankauer, with removal outer cover, 220 mm
5	EMI	Pin, safety, Mayo's, large, for strong artery forceps
1	EMI	Retractor, Deaver, 300 mm
2	EMI	Retractor, Graefe, one-toothed, 160 mm
2	EMI	Retractor, Koerte, toothed, blunt, 26 x 60 mm blade, 235 mm
2	EMI	Retractor, Langenback, small, 160 mm, 22 x 8 mm blade
2	EMI	Retractor, Langenback, 210 mm, 60 x 20 mm blade

1	EMI	Retractor, Roux, double-bladed, 140 mm, 150 mm, 170 mm
1	EMI	Retractor, abdominal, Doyen
1	EMI	Retractor, abdominal, Kirshner
1	EMI	Scissors, dissecting, Mentzenbaum-Fino
1	EMI	Scissors, fistula, Kelly, 180 mm
1	EMI	Scissors, operating, curved, blunt, standard, 185 mm
1	EMI	Scissors, operating, straight, blunt, standard, 185 mm
1	EMI	Spatula, Koerte, 260 mm
2	HWC	Bowl, lotion, s/s, 110 mm dia. X 40 mm
1	HWC	Box, instruments, s/s, w/ cover, 575 x 275 x 130 mm
2	HWC	Gallipot, s/s, medium, 75 dia. Mm
3	HWC	Jar, s/s, 500 ml
3	HWC	Kidney dish, assorted sizes, s/s
2	SUM	Tube, Sengstaken, Ch. 18 to 21

### **Instrument set, lumbar puncture, adult**

2	EGL	Bottle, bijou, sterilisable, for samples
1	EMI	Forceps, swab holding, Foerster, 200mm
2	EMI	Needle, lumbar puncture, adult
1	EMI	Scissors, dressing, Lange, straight, 180mm
1	HWC	Box, instruments, s/s,w/cover, 300X200X50 mm
2	HWC	Gallipot, s/s, medium, 75mm diameter

### **Instrument set, lumbar puncture, paediatric**

2	EGL	Bottle, bijou, sterilisable, for samples
1	EMI	Forceps, swab holding, Foerster, 200mm
2	EMI	Needle, lumbar puncture, paediatric
1	EMI	Scissors, dressing, Lange, straight, 180mm
1	HWC	Box, instruments, s/s,w/cover, 300X200X50 mm
2	HWC	Gallipot, s/s, medium, 75mm diameter

### **Instrument set, minor surgery**

5	EMI	Clip, towel, Backhaus
5	EMI	Forceps, artery, Crile, Curved
5	EMI	Forceps, artery, Halstead, curved
1	EMI	Forceps, dissecting, Adson, 1X2 teeth
1	EMI	Forceps, dissecting, Adson, plain end
2	EMI	Forceps, dissecting, Gillies
2	EMI	Forceps, dissecting, MacIndoe
1	EMI	Forceps, sinus, 178mm
2	EMI	Forceps, sponge, Rampley
2	EMI	Forceps, tissue , Allis
2	EMI	Forceps, tissue , Babcock
2	EMI	Forceps, tissue , Lane or Littlewood
2	EMI	Knife handle, surgical, Bard Parker, No.3
2	EMI	Knife handle, surgical, Bard Parker, No.4
1	EMI	Needle holder, Mayo or Crile Wood
1	EMI	Needle aneurysm
2	EMI	Pin, safety, Mayo's, large, for storing artery forceps
1	EMI	Probe, 178mm
1	EMI	Retractor, Durham, medium
2	EMI	Retractor, Gillies, scin hook
2	EMI	Retractor, Kilner, catspaw
1	EMI	Retractor, Langenbeck, small
1	EMI	Retractor, West
1	EMI	Scissors, Mayo, straight, 165mm
1	EMI	Scissors, McIndoe
1	EMI	Scissors, iris, or Strabismus
1	EMI	Scissors, stitch
1	EMI	Scoop, Volkmann

### **Instrument set, O.R. Caesarean section**

1	EMI	Approximator, Childe
1	EMI	Clip, suture, Michel
5	EMI	Clip, towel, Backhaus
1	EMI	Forceps, Wrigley
10	EMI	Forceps, artery, Crile, curved, 146mm
12	EMI	Forceps, artery, Spencer Wells, curved, 178mm
2	EMI	Forceps, dissecting, Bonney, 1X2 teeth
2	EMI	Forceps, dissecting, Bonney, plain
6	EMI	Forceps, haemostat, Green Armytage, 210mm
5	EMI	Forceps, sponge, Rampley
2	EMI	Forceps, tissue, Allis
3	EMI	Forceps, tissue, Littlewood
2	EMI	Knife handle, surgical, Bard Parker, No. 4
2	EMI	Needle holder, Mayo, 178mm
2	EMI	Retractor, Doyen
1	EMI	Retractor, Langenbeck, medium
1	EMI	Retractor, Morris, 51mm
1	EMI	Scissors, Mayo, curved, 178mm
1	EMI	Scissors, Mayo, straight, 178mm
1	EMI	Scissors, sttich

### **Instrument set, orthopaedic**

2	EME	Bows, extension, stirrups
2	EME	Splint, Bowler-Braun
2	EME	Torniquet, pneumatic, conn, with dial, adult and child
1	EMI	Curette, bone, set
6	EMI	Drill bit, bone, twist, 4mm
1	EMI	Drill, bone, hand operated, Stille-Shermann
1	EMI	Forceps, seizing, 180mm
1	EMI	Introducer, for Kirschner wire
1	EMI	Knife, plaster of Paris, Reiner, 185mm
10	EMI	Pulleys for extension, orthopaedic
1	EMI	Saw, amputation, Charriere, 350mm
1	EMI	Saw, Plaster of Paris
1	EMI	Scissors, wire cutting, 130mm
1	EMI	Separator, Plaster of Paris, Haglund-Stille, 280mm
1	EMI	Shears, Plaster of Paris, Seutin, 230mm
1	EMI	Shears, Plaster of Paris, Stille, 370mm
1	EMI	Trephine, Rowbottom, 25mm
3	HWC	Bowl, wash, s/s, 6 ltr

## **Instrument set, post-mortem**

1	EME	Hammer
1	EME	Knife, Catlin, solid forged, 120mm blade
1	EMI	Blowpipe, 150mm
1	EMI	Chisel, No.3
1	EMI	Chisel, with cross handle
1	EMI	Forceps, bone, 178mm
1	EMI	Forceps, dissecting, 127mm
3	EMI	Hook, sharp
2	EMI	Knife handle, surgical, Bard Parker, No.3
1	EMI	Knife, brain, 203
1	EMI	Knife, cartilage, 83mm
1	EMI	Knife, single edge, 95mm
6	EMI	Needle, 102mm
1	EMI	Saw, fixed back
1	EMI	Scissors, fine point, 127mm
1	EMI	Scissors, bowl, 178mm
1	EMI	Skull coronet
1	EMI	Twine reel, 4.5 metres
1	EMI	Wrench, spine, for post mortem

### **Instrument set, skin biopsy**

2	EMI	Forceps, artery, Halstead, Mosquito, 125mm
1	EMI	Forceps, dissecting, Gillies
1	EMI	Forceps, dissecting, MacIndoe
1	EMI	Forceps, dissecting, plain, end, 127mm
1	EMI	Hook, skin, Gillies
1	EMI	Knife handle, surgical, Bard Parker, No. 3
1	EMI	Scissors, iris
1	EMI	Scissors/needleholder, Gillies

### **Instrument set, skin graft**

2	EME	Board, skin graft
1	EMI	Blade, skin graft, Rocket, disposable
5	EMI	Clip, towel, Backhaus
1	EMI	Dissector, Mac Donald
2	EMI	Forceps, dissecting, Gillies
2	EMI	Forceps, dissecting, MacIndoe
2	EMI	Forceps, sponge, Rampley
1	EMI	Handle, blade, skin graft
1	EMI	Retractor, Gillies, skin hook
1	EMI	Scissors, Metzenbaum, 140mm

### **Instrument set, stitch removing**

1	EMI	Forceps, clamp removing, Michel
1	EMI	Forceps, dissecting, Stille, 1:2. 120mm
1	EMI	Forceps, swab holding, Foerster, 200mm
1	EMI	Scissors, dressing, Lange, straight, 180mm
1	EMI	Scissors, ligature, Spencer, 130mm
1	HWC	Box, instruments, s/s, w/ cover, 300X200X50mm
1	HWC	Gallipot, s/s, medium, 75mm diameter

### **Instrument set, suture**

1	EMI	Forceps, artery, Halstead, curved
2	EMI	Forceps, artery, Halstead, straight, 125mm
1	EMI	Forceps, dissecting, 1 plain, 127mm
1	EMI	Forceps, dissecting, 1 Theves, 127mm
1	EMI	Forceps, swab holding, Foerster, 200mm
1	EMI	Needle holder, Mayo-Hegar, straight, 160mm
1	EMI	Scissors, suture
1	HWC	Box, Instruments, s/s. w/ cover, 300X200X50 mm
1	HWC	Gallipot, s/s, medium, 75mm diameter

### **Instrument set, tracheostomy**

5	EMI	Forceps, artery, Dunhill
5	EMI	Forceps, artery, Halstead
1	EMI	Forceps, dissecting, Gillies
1	EMI	Forceps, dissecting, MacIndoe
2	EMI	Forceps, sponge, Rampley
2	EMI	Forceps, tissue, Allis
5	EMI	Forceps, towel, Mayo
2	EMI	Instrument, pin
2	EMI	Knife handle, surgical, Bard Parker, No. 3
2	EMI	Knife handle, surgical, Bard Parker, No. 4
1	EMI	Needle holder, 152 mm
1	EMI	Retractor, double, blunt
1	EMI	Retractor, single, sharp hook
1	EMI	Retractor, single, blunt hook
1	EMI	Retractor, West
1	EMI	Scissors, McIndoe
1	EMI	Scissors, Strabismus
1	EMI	Scissors, suture
1	HWC	Bowl, tracheal dilator

### **Instrument set, tubal ligation**

1	EMI	Approximator, Childe
1	EMI	Clip, suture, Michel
5	EMI	Clip, towel, Mayo
5	EMI	Forceps, artery, Crile
10	EMI	Forceps, artery, Spencer Wells, 203 mm
2	EMI	Forceps, dissecting, lane, 178 mm
1	EMI	Forceps, dissecting, plain, end, 127 mm
5	EMI	Forceps, sponge, Rampley
2	EMI	Forceps, tissue, laner
2	EMI	Forceps, tissue, Stiles
1	EMI	Knife handle, surgical, Bard Parker, No. 4
2	EMI	Needle holder, Mayo
2	EMI	Needle, aneurysm
1	EMI	Quiver
1	EMI	Retractor, Gosset
2	EMI	Retractor, Langenbeck, large
2	EMI	Retractor, Langenbeck, small
2	EMI	Retractor, Morris, medium
1	EMI	Scissors, Mayo, curved, 127 mm
1	EMI	Scissors, Mayo, straight, 127 mm
1	EMI	Scissors, stitch

## **Instrument set, urology**

- 1 EME Catheter, assorted sizes, Foley-Tiemann, Ch. 8- Ch. 30
- 1 EME Catheter, assorted sizes, rubber, Tiemann, Brown, Ch. 8- Ch. 30
- 1 EME Cystoscope, simple pattern, Ringleb type, boilable, ith rheosta
- 1 EMI Bougies, olive ends, 280 mm
- 1 EMI Introducer, for catheterization, 460 mm
- 1 EMI Sound metal, large, Powell's straight, blunt, plain end
- 1 EMI Sound, urethral, metal, otis-Cluton, curved with olive ends
- 2 HWC Bowl, lotion, s/s, with cover, 110 mm dia. X 40 mm
- 1 HWC Box, instruments, s/s w/ cover, 300 x 200 x 50 mm
- 2 HWC Gallipot, s/s, medium, 75 mm dia.
- 3 HWC Kidney dish, assorted sizes, s/s



### **Instrument set, vasectomy**

5	EMI	Forceps, artery, Halstead, curved
5	EMI	Forceps, artery, Halstead, straight, 125mm
1	EMI	Forceps, dissecting, plain, end, 127mm
1	EMI	Forceps, dissecting, Treves, 152mm, 1X2 teeth
1	EMI	Forceps, sponge, Rampley
2	EMI	Forceps, tissue , vasectomy
1	EMI	Needle holder, Kilner
1	EMI	Scissors, Mayo, straight, 140mm

### **Tool kit, automechanic**

1	TLE	Crimping tool set, For wires: 1.5, 2.5, 6mm
1	TLE	Cutter, side, large,Max size wire:2.0mm; L=210mm
1	TLE	Pliers, long nose, 170mm
1	TLE	Screwdriver/tester, 12V, automechanic
1	TLM	Box, tool,steel, big, 4 tray, cantilever, 550X220X215mm(lxwxh)
1	TLM	Brush, steel, hand, 290mm; 37mm; 4rows
1	TLM	Chisel and punch set, 6 pc
1	TLM	File, halfround, second cut, 200mm
1	TLM	Hacksaw, standard, 470mm
1	TLM	Hammer, ball pein, 500g/1lb; 350mm
1	TLM	Hammer, nylon, 280mm; diam: 32mm
1	TLM	Key, hexagon, metric, set, 9pc, 1.5-10mm
1	TLM	Machine, drilling, hand, 2 speed, 1-12mm
1	TLM	Pliers, waterpump, standard, 225
1	TLM	Punch, nail, 150X5mm
1	TLM	Screwdriver, flat, blade:3.5mm;shaft:75mm
1	TLM	Screwdriver, flat, blade:5.5mm;shaft:100mm
1	TLM	Screwdriver, flat, blade:8mm;shaft:250cm
1	TLM	Screwdriver, Phillips, No. 1X Diam: 4mm; shaft:75mm
1	TLM	Screwdriver, Phillips, No. 2X Diam: 6mm; shaft:100mm
1	TLM	Screwdriver, Phillips, No. 3X Diam: 8mm; shaft:150mm
1	TLM	Spanner, flat, metric, set, 15 pc, 6-32mm
1	TLM	Spanner, ring/flat, metric, set, 16 pc 7-25mm
1	TLM	Wrench, self gripping, Max: 50mm;1=220mm
1	TLM	Wrench, socket, set, large, 10-32mm;1/2 square drive
1	TLM	Wrench, strap, diam: 70-200mm

## Tool kit, carpenter

1	TLB	Level, 220mm
1	TLC	Bevel, rosewood
1	TLC	Bit, drill, wood, flat, set. 6pc, metric, 10-25mm
1	TLC	Can, oil, for oil stone
1	TLC	Chisel, wood, flat,set, 4pc, 6,9,12,25mm
1	TLC	Gauge, marking, beech
1	TLC	Hammer, cross pein
1	TLC	Hammer, Warrington
1	TLC	Mallet, carpenters
1	TLC	Plane, adjustable, iron
1	TLC	Rasp
1	TLC	Rule, folding, boxwood, 100m
1	TLC	Saw, hand, standard, 600mm
1	TLC	Saw, tenon, brass back, 300mm
1	TLC	Square, rosewood, 600mm
1	TLC	Stone, oil, 200mmX50mmX20mm
1	TLM	Box, tool, steel, big, 4 tray, cantilever, 550X220X215mm (lxwxh)
1	TLM	Gimlet, handled
1	TLM	Hammer, claw, steel shaft, 570g
1	TLM	Punch, nail, 150X5mm
1	TLM	Saw, pad, with blades
1	TLM	Screwdriver, flat, blade: 4 mm; shaft: 75mm
1	TLM	Screwdriver, flat, blade: 6.5 mm; shaft: 150mm

## Tool Kit, Electrician

1	TLB	Bit, drill, concrete, set, hammer operated, 3.5, 4.5, 5, 6 mm, with handle
1	TLB	Hammer, club, 42 x 42 x 100 mm
1	TLE	Cutter, side, large, Max. size wire, 2.0 mm: L = 210 mm
1	TLE	Multimeter, basic, digital, Fluke 11
1	TLE	Screw driver, flat, insulated, blade; 2.5 mm, shaft, 75 mm
1	TLE	Screw driver, flat, insulated, blade; 4.0 mm, shaft, 100 mm
1	TLE	Screwdriver/mains tester, blade, 4 mm, shaft, 100 mm, 100-500 V
1	TLE	Stripper, wire, standard, 170 mm
1	TLG	Knife, trimming, retractable blade
1	TLG	Pen, marking, waterproof, medium
1	TLG	Tape measure, steel, 3 m
1	TLM	Box, tool, steel, big, 4 tray, cantilever, 550 x 220 x 215 mm ( l x w x h)
1	TLM	Chisel, channelling
1	TLM	Chisel, cold, 116 mm x 250 mm
1	TLM	Chisel, cold, cut
1	TLM	Chisel, floorboard
1	TLM	Cutter, pipe, 3-30 mm
1	TLM	File, halfound, second cut, 200 mm
1	TLM	Hacksaw, junior
1	TLM	Hacksaw, standard, 470 mm
1	TLM	Light, torch, rubber coated, 2 batteries, LR 20, 3 V
1	TLM	Pliers, combination, 203 mm/8"
1	TLM	Pliers, radio, 165 mm/2.5"
1	TLM	Pliers, waterpump, standard, 225 mm
1	TLM	Punch, centre, diam.;6 mm, L=115 mm
1	TLM	Reamer, pipe
1	TLM	Saw, pad, with blades
1	TLM	Screwdriver, flat, chubby, blade: 5.5 mm; shaft: 40 mm
1	TLM	Screwdriver, flat, long shaft, blade: 5.5 mm; shaft: 200 mm
1	TLM	Screwdriver, flat, screw gripping, blade: 6 mm; shaft: 200 mm
1	TLM	Screwdriver, Phillips, chubby, No. 2x, Diam: 5.0 mm; shaft: 40 mm
1	TLM	Screwdriver, Pozidriv, No. 1/75
1	TLM	Screwdriver, Pozidriv, No. 2, 100 mm
1	TLM	Spanner, adjustable, medium, 205 mm/8": jaw: 27 in.
1	TLM	Spectacles, safety
1	TLM	Wrench, pipe, small, 229 mm/9 "

## Tool kit, mason/ plasterer

1	TLB	Bevel, adjustable, 75 mm
1		Chisel, cold, 150 x 9 mm
1		Chisel, cold, 200 x 20 mm
1		Float, cross grain
1		Hammer, brick
1		Hammer, club, 42 x 42 x 110 mm
1		Hammer, comb., double ended
1		Jointer brick, long
1		Jointer, brick, short
1		Knife, putty
1		Level, aluminum, 600 mm
1		Level, aluminum, 75 mm
1		Pin, line
1		Rule, folding, seel, 100 cm
1		Square, all steel, rule marked, 250 mm
1		Tool, plasters's , small
1		Trowel, brick, standard blade, width, 275 mm
1		Trowel, gauging, 150 mm
1		Trowel, plasterer, double hung
1		Trowel, pointing, 150 mm
1		Trowel, window, 25 mm
1		Box, tool, steel, big, 4 tray, cantilever, 550 x 220 x 215 mm ( l x w x h )

**PART V**

**GENERIC  
SPECIFICATIONS  
OF  
MAJOR EQUIPMENT**

**FOR**

**‘TYPICAL HEALTH  
CENTRE AND DISTRICT  
HOSPITAL’**



## GENERIC SPECIFICATIONS OF SOME MAJOR AND COMMON EQUIPMENT

### A. General and Basic Equipment:

DESCRIPTIONS	SPECIFICATIONS
1. Suction Machine	Electric, 220v, 50hz, 3-prong plug MS, two-bottle, table top, with vacuum pressure gauge and range for adult and pedia, adjustable, with overflow sensor or stopper, piston or diaphragm type pump
2. Blood Pressure Apparatus; Mercury, Aneroid, and Digital and LCD type	Desk Type, Stand type for Mercury BP Apparatus: Stand type with caster wheels. Aneroid 4 inches diameter, and Digital and LCD type, with casing.
3. Examination Couch	Wood with polyurethane foam covered, 60x200 x45 cm
4. Drip Stand	Double hook, adjustable height, stainless steel, 4-spoke base with caster wheel
5. Light ,examining	220v, 25 watts bulb, CFL, gooseneck type, stainless steel, base with caster wheel; 20,000 lux minimum; white light; adjustable height up to 150 cm
6. Medical and surgical instruments, and equipment	All stainless steel, items are mentioned in the list
7. Examination couch with stirrups	Same as item#3, only with stirrups for foot and hand, Velcro
8. OR light	Mobile type, with caster wheels, 220 v, 50Hz, 3-prong plug, M/S, bulb, 12V, with battery operation, 12V dc
9. Suction Machine, foot operated	Two-bottle, complete with suction hose and overflow limiter, stable base, non-sliding footing, with pressure gage
10. OPERATING THEATER table	Mechanical, non hydraulic type, worm and spur gear type, capable of up and down, trendelenburg, stainless steel frame height, 68-96 cm, W 55-60cm, L122-188 cm, with central floor locking mechanism, water resistant foot controller
11. Oxygen concentrator	220v, 50 HZ, 3-prong plug MS, on caster wheel, flow meter and humidifier, with alarms for low oxygen concentration, low volume, capable of delivering up to 95% oxygen concentration at 2-3 liters output, 100% duty cycle, easy replaceable filter, and felt filter.
12. Oxygen cylinder	Small, BOC type nipple, with gage for content and gage for regulator, 60 psi output or equiv in kPa or BAR, with trolley on caster wheel
13. Resuscitator	Mask for adult and infant. Autoclavable latex or equivalent material, transparent, double layer, with appropriate removable valve.
14. Disinfectant or sterilizer	Electric, boiling type, table top, 220V, 50Hz heater, water immersed type, with drain cock and tray, stainless steel, not more than 1kw
15. Sterilizer, steam	Electric, 220V, 50 Hz MS , 2-3KW, vertical, with pressure gage, and temperature gage, with stainless steel mesh basket, door secure lock, electronic or other type of sterilization control cycle, approx 40-50 L, WORKING TEMP; 121-132 degree C, 1.2-2.1 kg/cm sq, SAFETY DEVICES; pressure control switch, door lock and safety catcher, overheat protection and safety valve, emergency exhaust switch; with auto drying function
16. Sterilizer , steam, table top; fully automatic	Electric, 220V, 50 HZ, MS, up to 40 L capacity, max 3KW; Working Pressure/Temp; 1.2-2.5 kg/cm sq/121-132 degree C. Safety Devices; pressure control switch; door lock by pressure and safety catcher, overheat protection, low water shot-off, safety valve and emergency exhaust. Automatic drying.
17. Nebulizer	Electric, 220V, 50Hz, MS, piston or diaphragm type positive pressure pump motor, with complete accessories, and spare filters, portable, with casing/bag

18. Thermometer; Room	Wall –mounted, dial type, battery operated, degree Celcius reading
19. Hot Plate	Electric, 220V 50Hz, MS, less than 500W, max 20cm Diameter plate, adjustable plate temperature setting, thermostat control or equivalent device
20. Hot air oven	Electric, 220V, 50 Hz, MS, convection type, not more than 2kw power consumption, with temp control and indicator, capacity, 50-70L, at least 4 shelves, with door lock and catcher.
21. Sphygmomanometer; Digital	Battery operated, preferably rechargeable, with case, cuff and bladder made of durable material;
22. Stethoscope	Littman or equivalent quality
23. Centrifuge	Electric, 220V, 50 Hz, MS, 12-placer, with variable speed controller and timer switch, min. 1800 rpm provided with safety lock cover and stable friction footing and level adjustable.
24. Haematocrit centrifuge	Electric, 220V, 50Hz, MS, with safety interlock cover, variable speed controller and timer, min. 1800 rpm., with stable and adjustable footing
25. Water Bath	Electric, 220V, 50 HZ, min. 10L, with temp control, thermostat or equivalent devices, with drain cock, bath basin made of stainless steel.
26. Infant Warmer	Electric, 220v 50Hz, 3-pronged plug MS, at least 2 pcs x 20W fluorescent lights, digital or manual temperature control system for heater output with warm-up Time Indicator and alarm system, in caster wheel approx 10 cm in diameter with brake supplied with mattress and platform, provided with dust cover plastic.
27. Bed, Manual	Dimension approx. L 1240x W 1000x H 450-720 cm, made of stamping frame, steel mattress base with epoxy, polyester powder coated and baked finished, resistant to chipping and scratching, bed head/foot board made of ABS plastic or equivalent, washable and removable; height adjustable, back rest lifting angle 0-80 degree, knee-rest lifting angle, 0-40 degree, supplied with I.V. Rod, collapsible type guard rails cross-over overbed table plate caster wheels, industrial type approx 5” Dia. with brakes., with mattress 4” thick
28. Stretcher Trolley	Approx L1900xW750xH650 mm, made of SS, with caster wheels with lock, 5” Dia., with guard rails and I.V. rod, supplied with mattress 4” thick
29. Orthopaedic Traction Bed	Divided adjustable leg section, capable of reverse trendelenburg function to tret from both sides, with extensible retractile retractor, , with overbed table board, 4-crank operation back rest, knee rest, reverse trendelenburg and height. With medical record slot, drainage bag holder, I.V. Holder, Trapeze handle and chain, side rail.
30. Stretcher Collapsible/ Ambulance Stretcher	Approx L2100xW600xH1000 mm, size must fit the ambulance, Toyota land cruiser; made of aluminum alloy; capable of back-rest tilting angle, 0-85 degree, transform between stretcher trolley and stretcher, with mattress, 4” thick, fixer set, safety stirrup with Velcro. And with caster wheels and side rails
31. Bedside locker/cabinet	Approx dimension 450x470xH800 mm; Zinc galvanizing steel coated plastic, ABS flat drawer with bottle basket/cup holder and thermometer holder at side and handle, on non-slip footing rubber.
32. Shaker	Approx outer dimension 32W x24D x 17.5 H cm, horizontal rotation, power supply, AC less than 500 W, 50-60 Hz, 3-pronged plug, MS
33. Autopsy Table	Work surface semi cylindrical; S/S, water temperature for tap and shower can be adjusted with a mixing valve., work surface dimension approx: 215Wx 75D cm; outsid dimension approx; 260Wx 75D x 80H cm. Power supply AC, 1.5 KW
34. Phototherapy Unit	Tilt type, blue light, or green light, 220VAc, 20Wx 5 bulbs, approx 3000 hrs effective life, with hour meter/timer/counter, accessories, eye mask, 3 sizes, 1 each and light cover



35. Suction Machine ;Manual	Two-bottle with overflow protector, adjustable pressure, with gauge, piston type pump, with return spring, stable and slip-proof sturdy base base
36. Weighing Scale	Manual/Analog with height measurement; using metric system; range: 0-150 Kg, 1 Kg/50gram scale; Material: Enamel/Chrome plated Die-cast Beam; Height measuring Rod; scale range: 0-200 cm
37. Laboratory Microscope	Binocular; 230V, 50Hz; objectives: 4x,10x, 40x, 100x; eyepiece: 10x; mechanical stage, with variable Intensity illuminator; swing-out filter folder; with automatic voltage regulator 500watts, with standard accessories: case and polyvinyl cover
38. Stretcher; for General hospital	Heavy duty fully welded stainless steel construction; with four (4) IV rods sockets; full perimeter non-marri bumper; chrome frame; powder coat top; fowler back rest; 2 inches hinge pad; chrome IV rod swing down; 8 inches all-surface casters
39. Bassinet (Pediatric Bed)	Recommended Dimension: 1600 (L) x 820 (W) x 1300 (H), back rest lift, support mattress platform: steel with powder coating (2 sections); lockable caster; 4 x 125mm (Dia); Frame: stainless steel; Accessories: Mattress 3 inches thick high density foam and IV pole; carrying capacity: 120 Kg
40. Delivery Table	Movement: Trendelenburg 30 degree max; reverse trendelenburg: 30 degree max; Lateral Tilt: 15 degree Max; Height Adjustment: 60 to 110cm; Body Section: 60 cm (min) width (w/o arm board); 1000 cm (min) Length ( pelvis to head); Leg Section 60cm (W); 70 cm (L); table top material: gauge 20 stainless steel; hydraulically operated; with standard accessories: heel holders, shoulder rests; side frame, mattress waste receptacle can and hose, supplementary table, funnel built-in IV pole with holder; provided with 4 caster with brake, padded stirrup
41. AC Electric Generator	100 KVA, 3-phase, 440 Vac, 50 Hz; continuous rating; 0.8 power factor; 6 cylinders in line water-cooled engine; four-stroke cycle; induction system; naturally aspirated engine; direct injection pump; diesel engine; mounted on skid base; direct couple alternator; switch start; complete with gauges in the control panel like phase voltmeter; frequency; amperes, running hour
42. Solar panel	For MHC and DHO vaccine refrigerators; 1.5 KW capacity; complete with battery and transfer switches for normal power and solar panel; inverter and voltage regulators; battery capacity, 150ampere-hour.
43. Table Mayo	Mayo,s instrument stand, stainless steel tubular frame, adjustable height; 65-105 cm. Stainless steel tray 70x40 cm, mounted on two anti-static castors and two forefeet to prevent movement.
44. Wheel Chair, Adult	Rigid seat, padded with vinyl cover, 430mm; with adjustable leg length; 20x 610mm diameter rubber wheels at front, chrome-plated wheel rims and spokes, hand rim for self propulsion and hand brakes; two swivel front wheels
45. Wheelchair, Child	Folding type, adjustable foot rest in height, chrome-plated frame, with two brakes, two large back wheels, two swivel front wheels
46. Weighing scale, Bathroom	Metric reading up to 150 Kg, adult; heavy duty; in 500g rams reading
47. Weighing scale, Physicians	Same as item number 36.
48. Weighing Scale , Placenta	Scale top loading; bench model type, top loading 6 Kg, division 10gr made of stainless steel
49. Weighing Scale, Basin	Top loading baby scale with instant dial reading, fully automatic with adjustable control mechanism, metric up to 13 KG, 25 gm scale
50. Weighing Scale, Infant, Hanging	Ceiling suspended, scale in metric, graduation in 100 gm (1/2 Kg boldly marked) up to 25 Kg. Scale body, top and bottom hooks are stainless steel. With two weighing pants, made from waterproof covered nylon, and shoulder carrying bag of same material
51. Vacuum Extractor	With Four(4) extraction cups, Malmstrom (30,40, 50, 60mm opening diameter); hand vacuum pump, rubber enclosed extraction chain, wire hanging rack for bottle, vacuum gage, vacuum bottle and 3 meters extra vacuum tubing.
52. Diagnostic Set	Comprise of standard type ophthalmoscope and otoscope with 5 nylon specula, large battery handle, nasal speculum, laryngeal mirrors with holder, tongue depressor, including battery and two lamps spares

53. Water Distilling Apparatus	Distiller/deionizer, cap acity: 8 liter/hour, stales steel boiling vessel and storage vessel; 8 liter, Automatic cut off for low water level of full tank level
54. Bunsen Burner	Multi-gas with 13mm o.d. burner tube, adjustable fuel jet, screw type air regulator, gas control needle valve, adjustable baffle and gas inlet tube 9mm o.d.. Complete with tripod stand, one wire gauze pad and the plain pad with ceramic center.
55. Analytical Balance; electric 230V ac; 50Hz	Precision electronic balance, range 0-360 gram, readability 0.01 gram. Digital display. Top loading dimension platform +/- 10x10cm
56. Analytical Balance for weighing Media	Same as above
57. VDRL; electric 230 Vac; 50 Hz	180 rev/min, with a platform 30x30 cm rotator, fixed speed at 180 rpm, ; 0-1 hour timer
58. Vortex mixer, Electric, 230 Vac, 50 Hz	Variable speed control 100-3200 rpm in continuous or touch mode operation. Timer adjustable: from one second to one minute; capable of continuous operation
59. Water Bath; electrical 230 Vac; 50Hz	Thermostat controlled temperature; unstirred with digital display and settings. Capacity 14 liters; Temp range: 10-1000 Celciu; with overhead protection device: Includes raised half shelf, perforated mesh for water bath; stainless steel lid for test tube rack for 55x 13 mm
60. Hot plate ( Double Plate); electrical	Electrical Heating, with step switch temperature control , 180 mm diameter, 2 x 1500 watt
61. Haematology Mixer Electric	Rocks and rotates up to 10 x 16x 100 mm test tubes
62. Differential Counter, Electronics	Microprocessor-controlled; 12- key model; LCD display; hermetically sealed switches; compact key board ; % or absolute WBC values
63. Heat block with magnetic stirrer	Electric, 230V ac, 50 Hz; for heating and stirring preparation of chemical solutions

## **B. Sophisticated/Complex and Specialized Equipment:**

1. Defibrillator	Electric; 230V ac, 50 Hz, with built-in battery pack; 1-400 joules energy output, capable of Synchronous and Asynchronous Discharge Modes; Screen size: 5-5.5 inches, non fade; sensitivity: 0.5, 1.2 cm; data modes: date and time; paper width: 50 mm; with safety alarms and standard accessories: patient cables ground cable, set of paddles for adult and pediatric, gel, cart with brake and internal paddles
2. ECG Machine (single channel)	230V ac, 50 Hz, with rechargeable battery pack; manual and automatic modes of operation; Filters: ac interference, muscles tremors, drift, Sensitivity: 0.5, 1,2 cm/mV; Accessories: Patient cable, ground cable, clips or strap limb electrodes, ECG paper, chest electrodes for new born peiatrics and adults, Gel and ECG case
3. Infant Incubator	230V ac, 50 Hz; 6 hand ports with lids and 2 tubing ports; single-wall. Electronic Temperature control: AIR: 30-38 degree Celcius with 0.1 degree celcius increment; SKIN: 34-38 degree celcius with 0.1 degree celcius, With sensors and safety alarms for Hi and Low air Temperature; temperature Failure indicator; Overheat temperature automatic shut-off; Fan motor failure indicator and power failure indicator. Accessories: Air filters, skin probes IV poles, cart
4. Laryngoscope	Battery operated; rechargeable; curve blade (Macintosh) sizes: 2,3,4; Straight (Miller) sizes: Optional; Handle: Stubby (Macintosh); Slim (Miller); Standard Accessories: Case; bulb, 2 pcs
5. Pulse Oximeter	230V ac; 50 Hz; with built-in battery pack; SPO2 range (accuracy): 0-99% (+/- 2- 3). Pulse rate: 30 BPM to 254BPM (+/-2). Safety parameters: Hi-Lo SPO2; Hi-lo pulse Rate; pulse strength bar (plethysmograph); autocalibration. Standard accessories: adult, Pediatric, Neonate sense probe; capnograph; printer recorder; spare probes
6. Ventilator	Pressure and volume controlled; 230V ac; 50Hz., with built-I battery pack; digital display parameters, tidal volume range: 100-1200 ml; Fio2: 21% to 100% ; I/E Ratio: Variable; Respiratory Rate: 1-150 B/min; MODES: CMV; SIMV; SPONTANEOUS;other features; CPAP; PEEP; APNEA back up; Breath triggering from 1-20 cm H2O; safety features: audible and visual for Hi/Lo pressure and Volume; Gas supply source; low battery indicator; power failure with accessories: Autoclavable corrugated tubings; reservoir bag, PEEP valve, Bacteria filter, oxygen gage with tubings, compressor, humidifier unit and nebulizer; provided with gas analyzer (Volume and concentration)
7. Patient Monitor	Electric, 230V ac, 50Hz; Built-in battery pack; Display Parameters: Waveforms/Alphanumeric; ECG (2 Channels), Heart Rate, Respiratory Rate, Blood pressure (NIBP/IBP), Pulse Oximeter, SPO2, Temperature; Sweep Speed: 12mm/sec, 25mm/sec, 50 mm/sec; Sensitivity: 0.5, 1.2; Safety Features: Hi/Lo indicators for RR and HR; arrhythmia detection; Accessories: Patient Cable, ground cable, power cord, chest electrodes, dust cover, recorder, cart with brake; capable of recorder and data storage, trends and time/date
8. Autoclave; Horizontal loading	415V ac , 3-phase;50Hz; with water softener, pump with filter for inlet water supply; fully automatic; pump for pre and post vacuum and drying; automatic horizontal loading steam sterilizer; 300 liters capacity, electronic controlled operation in front panel with appropriate cut-off devices and safety relief valves. Temperature range from 105-136 degree Celcius; maximum chamber pressure 3 bars, built-in timer up to 60 minutes, with process stage display, time, pressure and errors, double door. Including chamber racks and trays, two spare sets of heating element, three door gasket, 2 safety valve, solenoids; loading trolley, with castors and loading

	mechanism
9. Infusion Pump	Electrical; 230Vac, 50Hz; with rechargeable battery; Flow rate accuracy: 2-10% +/-; volume infused display: 0-9999ml; Alarms: Door open; occlusion; air-in-line; low battery
10. X-Ray Machine; Diagnostics	Stationary; 500 mA, 150 KVP high tension transformer, two-tube system, Tilting bucky table; x-ray tube with housing and H.T. cable, collimator, electronic-controlled; tube stand; vertical bucky stand. Generator/ Radiography: 150 KV, 300 mA or better; 125 KV, 300mA or better; 100KV, 500 mA or better, 50 KV, 500 mA or better; Fluoroscopy at 120KV, 4mA or better; Adjustable range of timer: Radiography: 2 pulses to 5 sec or better; fluoroscopy: 5 minutes or better; H.T. Transformer: Max. 500 mA, 150KVp, silicon rectifier type. Tilting Bucky Table; Table Length: minimum 2000mm; width side rail: minimum 675 mm: Table top height in Horizontal position: 750-850 mm from floor level; tilting range: -15 degree or more to 90 degree; motor driven by foot switch and hand switch; Bucky device: film size: 14inches x 17 inches cm; X-ray tube assembly: rotating anode/dual focus; 150KV or more; effective focal spot size: 0.6/1.5 mm or better; anode rotating speed: 3000 rpm Heat Storage: 140,000H.U. (minimum); Accessories: Film cassette with intensifying screen (green); 14" x 17", 14" x 14", 10" x 12", film hanger support rack; thickness caliper; desk type film illuminator; cassette pass-box ; protective apron; goggle; gloves; liquid thermometer; hanger, stainless steel; polyethylene bottle; film maker; film corner cutter; clip for film; tray for developing.
11. Automatic Film Processor	13 liter tank volume; auto start/stop with stand-by function; microprocessor controlled; auto tank filling; speed: 0.1 minutes step, 1-5 minutes infeed speed; Variable speed: 31-155 cm/ min; capacity per hour: 18 x24 cm; 452 films; 24 x 30 cm; 230 films; 35 x 43 cm ; 16 films; 230V ac ; 50Hz
12. Syringe Pump	Electric, 230V ac, 50 Hz; with rechargeable battery; syringe: 10, 20, 30, 50 ml; Flow rate selection: 0.1- 999.9 ml/hr in 0.1 ml/hr increments; total volume display: 0.1-999.9 ml(resettable); accuracy within +/- 1% after 1 hour, the flow rate 1 ml/hr or higher; Alarms: low battery; near empty; end; occlusion; accessories: Power cord, pole/mounting table
13. X-ray Machine; Mobile	Mains power Supply; 230V ac, 50Hz; single phase; 125 KVP; 300 mA; Parameters: Digital Display; KV: increase/decrease buttons and displays; mA/mAs: Increase/decrease buttons and displays; program Number: Increase/Decrease buttons displays; Standard accessories: Cassette sizes: 10 x 12; 14 x 17; 11 x 14; 8 x 10; all in inches; protective apron; goggle; gloves film marker A-Z, 0-9
14. Anaesthesia Machine	Boyles type; in trolley and anti static castors with brakes; trays that can accommodate other equipment; with vaporizers, sevoflurane, and isoflurane; two-stage carbon dioxide absorber, flow meter nitrous oxide, oxygen, sevoflurane and isoflurane, ISO standard arrangement, safety alarm(audio) for low oxygen supply; oxygen flush; provide with patient breathing circuit and mask, breathing bag; non -return valve, hoses color coded and fittings and nipples BOC standards ; provided with gas analyzer and Vaporizer calibration tester
15. Nerve Stimulator	Generator Frequency: approx. 27 MHz +/- 0.5%; output power for continues wave: 400 watts maximum; 1000 watts for pulse wave; pulse duration approx. 400 micro seconds; frequency: 15-200Hz adjustable; 230V ac 50Hz power supply; mobile main unit on trolley; two electrode fully adjustable arms. The equipment should be ISO 9001 approved, or with IEC standards and other international standard agency seal of approval
16. Ultrasound ; Diagnostic	Linear and sector scanning with fetal age and weight calculation, caliper, patient information and screen annotation, selectable scan angles; 60, 90;

	180 degrees; image reverse, variable screen depths, image memory and storage, freeze, linear array transducer 3.5/5.0 MHz dual frequency, annular array transducer 3.5 Mhz, annular array sector dual frequency endovaginal transducer 5.0/ 7.5 MHz; provided with sufficient bottles of gel; Auotmatic Voltage Regulator, solid state switching, 196V-260V input; 240V; 50Hz output and UPS capacity 1 hour.
17. Surgical Diathermy Machine (ESU)	Microprocessor control; auto inspection system; reusable return electrode ( 8 x 10mm) with self test and alarm test, Modes: CUT; BLEND CUT; MONOPOLAR; BIPOLAR; COAG; Power Source: 230 Vac; 50 HZ including trolley with drawer for electrodes, knife electrode, straight; angled; ball electrode 4mm; needle electrode
18. Fetal Doppler ( Foetoscope)	230Vac, 50 Hz; built-in rechargeable battery operation; with diagnostic transducer and accessories to produce audible and clear detection of foetal heart; with digital display and volume control and gel
19. Light; Operating Theater	230V ac ,50 Hz; step down transformer 24 V Dc;7-8 Halogen Bulbs: 24 Volts DC; 120,000 lux minimum, light can be focused, swivel radius of lamp housing approx. 1500mm; height adjustment of light head approx. 800 mm; provided with 5 spare bubs; 2 pcs light adjustment hand grip
20. Phototherapy unit	Mobile frame on four (4) castor wheels supporting a canopy to house fluorescent blue light tubes. Canopy height +/- 160 cm, with auto voltage switch; protection for over and under voltage including time delay after power outage. Nominal voltage 230V ac, 50Hz
21. Dental Chair	Couch with adjustable height, back and head section, metal base construction with easy to clean durable upholstery. Maximum 120cm upright from floor, lowest position 55 cm, supine from floor; spittoon, chair mounted cabinet with ceramic cuspidor, breaker holder, and water tap including vacuum with micro-switch activated suction hoses and automatic separator; Instrument unit, chair swivel unit with multiple syringe, air turbine motor, micro motor, ultra sonic scaler and instrument tray; set of hand pieces, angled and contra-angle; 230 Vac, 50Hz
22. Dental X-ray Machine; Panoramic	230V ac, 50Hz; 180 degree rotation, with film; automatic; electronic-controlled, 30 KVp; 20 mA
23. Slit Lamp and applanation tonometer	With binocular stereo microscope, continuous variable slit length and width, rotation of slit image 90 degree right and left, vertical and horizontal, green and cobalt blue filters, fixation light, chin rest and joy stick operated instrument base elevation. Applanation tonometer: Goldman 0-80mm Hg, including standard accessories; 230V ac, 50Hz, with AVR
24. Ophthalmoscope	Measuring range: corneal radius of curvature 5, 6,-11, 3 mm (0.05 steps); refractive power 30-60 D (0.25 D steps) Including omni-directional joy stick operated instruments base elevation
25. Refrigerator ( Pharmacy)	Upright, single door, 650 litre with adjustable shelves for storage with temperature display; with AVR; 167-250Vac input voltage; 230-250V ac output; time delay switch after power outage; dual operation for solar power source
26. Tablet counter	Automatic with rotating saucer +/- 30 diameter cm and digital display
27. Spectrophotometer (wet chemistry)	Single-beam spectrophotometer, wave length 320-1000 nm with silicon photocell, digital display, filters pulsed xenon lamp, and tungsten lamp. Includes cuvettes, cell holder, dust cover and calibration set, AVR, 230Vac 50Hz
28. Chemistry Analyzer	Quartz-halogen lamp 12V; 20 watts soure; automatic 12 positions filter wheel 6 standard interference filters: 340, 405, 505, 546, 578 and 620 nm; 230V ac; 50 HZ; with battery back up for data retention; Aspiration volume programmable; fixed temperature at 37 degrees C by means of peltier elements.

29. Haemoglobinometer Analyzer	Portable, miniature wedge photometer; battery operated; measurement range 4-20g HB/ml; spare bulb supplied; mains 240Vac; 50Hz
30. Incubator, Laboratory	Air heat conduction system 230V ac; 50Hz temperature control by thermostat or equivalent; 20-70 degrees C ; stability 0.2+/- degree C; Automatic on and off ; approx 500 x 450 x 350 mm; bench type, with safety alarm
31. Oven Hot air laboratory	Universal oven for drying, incubating, warming and sterilizing. Table type, stainless steel chamber, front and inner door; casing made of sturdy sheet steel. Full sight glass door. Inner dimension: 400 x 400 x 330 mm, with natural convection, temperature range + 5 degrees above ambient to +230 degrees. Auto timer 0-120 minutes, thermo control or equivalent; with removable trays; 230V ac; 50 Hz, with spare heating element
32. CD 4 Counter	PATEC Model or equivalent; with dedicated computer software program and printer; adaptable and connectible to internet and LAN
33. Autoclave ; Vertical ;Laboratory	90 liters capacity ; maximum pressure: 2.8 Kg/cm2 approx; Temp. : 100-140 degree C; Time: 0-1120 minutes; Auto control of sterilizing cycle; audio and optical signal announces the completion of sterilization; auto power cut-off; over pressure valve; water empty alarm; door interlock system 230 V ac; 50 Hz approx; 4 KW with sterilization basket s/s spare heating element
34. Blood Bank Refrigerator	Dual operation mains 230Vac and solar power; Temp: 4 degree C, with alarm system; holding temp is 4 degree C; deviation beyond 2 degrees C is signaled by a battery operated audio/visual alarm system; Capacity 500 liters with double glass door and interior light. Auto off-cycle defrost system. With AVR, time delay switch after power outage
35. Amalgamator	For mixing and dosing with 3 mixing tubes, 1 cleaning brush and 1 funnel
36. Dental Curing Light	Ultraviolet lamp, 230Vac; 50 Hz
37. X-ray film viewer; dental	3 field viewer for dental film with adjustable light intensity; dimension approx: 290 x 190 mm; preferably built-in in dental chair
38. Scaling machine (Dental scaler)	Electrical 230V ac; 50Hz; table top type
39. Washing Machine; Laundry	Capacity not less than 30 Kg, front loading, electrical heating. Wash speed +/- 35 rpm, auto and manual operation; 415 Vac, 3-phase, 50Hz. Using cold water ; 12 cycle/day average; with safety alarm and auto stop
40. Washing Machine ; Industrial	Capacity 100 Kg approx; heavy duty; other specs same as above; 15 cycle /day average; auto operation; electronic controlled front panel; with safety alarm and auto stop
41. Dryer ; Laundry	Electric; 415 Vac; 3-phase; 50 hz; rotary drying tumbler, electrically heated, loading capacity approx. 15 kg; Temp. controlled with cool down, timer 60 mins
42. Flat Iron ;Industrial	230 Vac; 50 Hz; 1.5 KW; 500 grams weight
43. Ironing Machine; roller type	415 V; 50 Hz; 3-phase, two-roller type; 3.5 meter width, 1.5 Kw; electronic temp controlled, manual select, auto shut off, with alarm system
44. Cooking Pots; electric; kitchen	Oil jacketed pots, with electrically heated oil immersion heating element. Approx. 60 liters capacity; 415 Vac; 3-phase, 50 Hz, stainless steel, with temperature control, supplied with paddles for mixing stainless steel; accessible control panel
45. Freezer; Chest type	230 Vac; 50 Hz; 420 liters capacity; with temperature controller, defrost-free
46. Refrigerator/freezer	230 vac; 50 Hz; Upright, 2-door, transparent, defrost-free, with temperature controller; 280 liters capacity
47. Ice Maker	230 Vac; 50 Hz; upright, 1.5 Kw, direct connected to tap
48. Meat cutter	230 V ac; 50 Hz, electrical; 0.5 Kw approx
49. Food cart/carrier	4-door, stainless steel in 4 inches caster wheels with brakes, 4 compartments; with heater to heat food
50. Potato peeler	Electric, 230Vac; 50 Hz
51. Blender/Osteorizer	Electric; 230 Vac; 50 Hz; variable speed; heavy duty
52. Table, Plaster, Orthopedic	Upholstered, with cushions; dimension: 200 x 60 cm ; chrome plated metal framework; adjustable position; electrical 230 Vac; 50 Hz

### **C. Instruments and other Equipment:**

1. Urinal; male	Stainless steel with handle
2. Bed pan; child	Perfection type, no handle, 30 x 25 x 9.5 cm stainless steel
3. Bed pan; adult	Perfection type, no handle; 36 x 30 x 10.5 cm stainless steel
4. Sputum Mug	With lid; lid with thumb rest, 9.5 x 7 cm, stainless steel
5. Instrument set; Plaster	Cast opener, plaster screw 280mm; plaster forceps screw joint, 250 mm; plaster bandage saw, chrome-plated; cutting knife 200 mm; Bandage shears Stille's 240 mm; Lorenz with shooe on blade, s/s 260 mm; bandage scissors Lister's 200 mm; Esmarch's 200 mm, Bohler's 240 mm; cast opener plaster screw joint 300 mm; cutting knife (Wigmore) 190 mm; angled scissor dressing
6. Instrument Set: delivery and Suturing	Bowl, lotion, s/s 110mm x 40 mm; box, instruments, s/s with cover, 300 x 200 x 50 mm, catheter, urethral, soft rubber, Nelaton, solid tip, 1-eye funnel end, 10 FR, 400 mm long; forceps sets, Gallipot; needle holder and suture; scissors sets
7. Instrument set; general orthopaedic	Bows extension stirrups; splint; Tourniquet; pneumatic; connectible with dial, adult and child, curette bone set , Ortil bit, bone twist, hand operated; forceps; Introducer for Kirscher wire; knife, plaster of paris; Pulleys for extension; Saw sets; Shears sets; Trephine, Rowbottom; Bowl s/s
8. Instrument Sets; General surgery	Clip, towel Mayo; Dissector; Elevator; Forceps sets; Knife Handle sets; Needle holders; Quiver; Probe; Retractor sets; Scissors; Scoop, Suction tubes
9. Instrument Sets; Insertion/ removal IUCD	Forceps sets; scissors sets; sound uterine; speculum; box, s/s ;Gallipot, s/s
10. Instrument Sets; Laparotomy	Decompressor; clamps; Conductor, ligature, Forceps; Knife sets; Needles; Nozzle suction; Retractors; Spatula; Bowl, s/s; Gallipot s/s; Jar, s/s Kidney dish ;s/s; Tube
11. Instrument Sets; Minor Surgery	Clip, towel; Forcep sets; Knife Handles; Needle Holders; Pin, safety, Mayo, large; Retractor sets; Scissors sets; Scoop
12. Instrument Sets; Post Mortem	Hammer; Knife, Catlin; Blow pipe; Chisel sets; Forcep sets; Hook; Knife sets; Needle; Scissors sets; Skull coronet; Twine reel; Wrench
13. Instrument sets; Skin Biopsy	Forcep sets; Hook, skin; Knife Handle; Scissors handle;
14. Instrument stitch removing	Forcep Sets; Scissor sets; Box, s/s; Gallipot, s/s
15. Instrument sets; Tracheostomy	Forcep sets; Instrument pin; Knife Handle ;Needle holder; Retractors ; Scissors ;Bowl, s/s
16. Instrument Sets; Tubal Ligation	Approximator; Clips; Forceps sets; Knife; Needle; Quiver; Retractor sets; Scissors sets
17. Instrument sets; Vasectomy	Forceps sets; Needle; Scissors;
18. Patelar Hammer	Percussor, heavy rubber ring, cane stem, Taylor model, 20 cm
19. Instrument Set; Amputation	Blake Flap Amputate A; Satterlee Amputation; Tubby file 305 mm; Farabuef Rugine CVD; Beyer bone Rongeur; Ggli Saw Handle; Olivercrona Wire Saw; Liston Bone cutting; Wire Basket
20. Instrument Set, Caesarian Section	Approximator; Clip' Forceps Sets; Knife; Needle; Retractor sets; Scissors sets
21. Instrument Set, casualty Stitch Pack	Mayo Hegar Needle; Scalpel Handle; scissor; Spencer Wells; Mosquito forceps; Adson Diss/Tissue; Gallipot Round; Kidney IRA Y ; Mayo Safety pin; Wire Basket
22. Tray	With lid; 405 x 305 mm s/s; 200 x 100 mm, s/s 305 x 200 mm s/s; without lid, 405 x 305 mm, s/s
23. Instrument sets; Aanesthesia and Intubation	Adaptor, tracheal set, 3mm to 10mm, 15mm, Airway sets; Brush sets; Catheter sets; Cone female/male; Connector; Gag; Laryngoscope, Macintosh; Forceps sets; Introducers sets; spray, Oral Mackintosh; Endotracheal Tube, curve/nasal, different sizes, curved and straight; Laryngeal Masks different sizes; Tubes, different sizes

#### **D. CATERING EQUIPMENT :**

##### **Dry Store**

<b>ITEM</b>	<b>QTY</b>	<b>Technical Specifications</b>
Shelves	4 on each side	Stainless steel, shelving system (4 shelves), 905mm x 455 44 x 1830 mm
Racks	4 on each side	Wooden, vanished hard wood (for measurements refer to Nkhotakota District Hospital)
Pallets	10	Wooden, hard wood, 5 cm from floor
Platform scale	2	Analogue scale, Max. load 300 kg, platform size 460 mm x 650 mm
Retail scale	1	Electronic 15 kg (15 x 5 g)
Lifters	2	Metallic, S/S

##### **Cold Storage**

<b>ITEM</b>	<b>QTY</b>	<b>Technical Specifications</b>
Cold room	1	See Nkhotakota District Hospital
Meat rack	4 on each side	Stainless steel, should have hooks, 4 shelves each 905 x 455 x 1830 mm (w x d x h)
Shelves	4 on each side	Stainless steel, adjustable shelf heights, max load 300 kg, 905 x 455 x 1830 mm (w x d x h)

##### **Butchery**

<b>ITEM</b>	<b>QTY</b>	<b>Technical Specifications</b>
Meat cutter	1	Electric, 3 phase (400 v, 50 hz, neutral and earth), max. electrical load: 1.5 Kw, 970 mm x 800 mm x 1830 mm (l x w x h)
Chopping board	20	250 mm aluminum, meat mallet hand, 300mm (wooden handle)
Butcher knife	15	Stainless steel, Sizes: 200 mm, 250 mm, 300 mm



Butcher knife	15	Stainless steel , Fluted, Size: 250 mm
Cooks knife	15	Stainless steel, Stainless steel , Sizes: 250 mm, 300 mm
Salmon serrated Knife	15	Stainless steel, Size: 300 mm
Chopping knife	15	Stainless steel, Size: 210 mm
Cleaver arcos knife	15	Stainless steel, Sizes: 200 mm, 240 mm
Bread knife	10	Stainless steel, Size: 200 mm
Steak knife	15	Stainless steel, Broad blade, size 110 mm
Knife Sharpener	3	Sharpening stone, 150 mm x 50 mm x 25 (l x w x h)
Meat Mincer	1	Mincing rate of 250 kg/ hour, single phase (240 v, 50 Hz), max power: 1.2 kw, worm speed: 110 rpm, dimensions: 60 x 270 x 400 mm, weight 35 kg
Scale, hanging	1	Mechanical, max load 200 kg, graduation of 500 g
Butcher, chopping block	2	White, 610 x 610 x 14 mm, mounted on stand
Basins	3 each	Stainless steel, sizes: big, medium ,small
Axe, hand	10	
Pails	5	Stainless steel, sizes: big, medium ,small
Meat slicer	1	Cutting capacity: 285 x 270 mm, cut thickness: 1 – 30 mm, cut length: 285 mm, cut height: 270 mm, power: 0.26 kw, dimensions: 840 x 690 x 640 mm, blade diameter: 350 mm, electrical voltage: 240 v, 50 hz.

### Refrigeration Storage Room

ITEM	QTY	Technical Specifications
Deer freezer	2	Double door, 1400 x 715 x 2050 (l x w x h), electrical load: 50 Hz, 240 volts, single phase neutral and earth, should be CSC free
Domestic fridge	1	
Chiller	1	Double doors, hood made of stainless steel, dimensions: 1440 x 800 x 2090 mm (l x w x h), electrical load: 50 Hz, 240 volts, single phase, neutral and earth, should be CSC free

### Kitchen Cooking Area

ITEM	QTY	Technical Specifications
Cooking pots	5	Electrical, 3 phase (380 v, 50 hz), dimensions, 1050 x 947 x 950 mm, electrical load: 9kw, 400 v, 50 Hz, 3 phase, neutral and earth, thermal oil 20m litres, side mounted survival water fillet tap, oil immersed electric element.

Stove	2	3 solid top electrical range with oven, dimension: 1000 x 850 x 1110 mm (l x w x h), electrical load: 18 kw, 400 volts, 50 Hz, three phase, neutral and earth
Microwave oven	1	1800 watts, capacity 17 litres, 240 v, 50 Hz, external dimensions: 420 x 500 x 340 mm, cavity dimensions: 330 x 300 x 175 mm, stainless steel, special features: half pan capacity, 4-stage cooking, no grease problem, stackable, cook count display.
Deep fryers	1	Heavy duty complete stainless steel element rating – 2x2kw, Volumorr oil-2x5l, safe ty cut off -209c, power rating-230 v single phase, Dimensions-573x470x270mm
Frying pans	2	Pan omellete, blue steel, sizes: 180mm, 240 mm, 450 mm
Baine marie	1	Three divisions, power: 3kw, 240v, 50 Hz, Dimensions: 1080 x 770 x 268mm
Hot cupboard, baine marie	1	Dimensions:1780 x 750x 910mm high, Electrical load: 6.5 kw, 380-400 volts, 50 Hz, 3-phase , neutral and earth.
Food warming cabinet	1	Mobile, 2 kw, 240 v, 50 Hz, neutral and earth, dimensions: 660 x 840 x 1725 mm high.
Boiling urns	1	Capacity 30 litres, deluxe, anti boil dry, 240 v, 50m Hz, controlled by simmer thermostat energy regulator and safety thermostat

### **Food preparation area**

<b>ITEM</b>	<b>QTY</b>	<b>Technical Specifications</b>
Potato peeler	1	Output: 240 kg/ hour, power: 0.55 kw, dimensions: 780 x 420 x 1450 mm, 240 volts, 50 Hz, neutral and earth
Potato masher	1	Stainless steel, 150 x 120 mm
Vegetable cutter	1	Power: 0.36 kw, vo ltage 240 v, 50 Hz, neutral and earth, dimensions: 440 x 250 x 590 mm, Accessories include: chipping grid, crinkle cut slicing blades, serrated blades, grating disc, julienne slicing disc
Blender	1	Max capacity: 4 litres, power: 0.7 kw, max speed: 3400 rpm, dimension: 210 x 240 x 600 mm, removable jug, lid with locking mechanism, stainless steel jug, floor standing, on/off switch, variable timer, 240 volts, 50 Hz, neutral and earth, stainless steel removable blades, skid free footing
Whisk	10	French whisk stainless steel, 8 wire, sizes: 450 mm, 500

		mm and 550 mm
Ladle	10	Stainless steel, solid, sizes: 30 ml, 59 ml 118 ml, 177 ml, 225 ml and 354 ml
Portion Server	20	Stainless steel, solid, plastic handle, sizes: 224 ml, 112 ml 84 ml and 56 ml
Perforated Spoons	20	Stainless steel, total length: 330 mm and 400 mm
Solid spoon	20	Stainless steel, PVC handle, total length: 330 mm and 400 mm
Sided grater	10	Stainless steel, pvc handle, 6 sides for different grating shapes.
Carvery forks	10	Stainless steel, hard plastic handle, total length: 325 mm
Grill fork lifter	10	Carbonised steel, total length: 500 mm
Tong salad square ends	10	Stainless steel, length: 240 mm
Tong serving oval solid ends	10	Stainless steel, length: 240 mm
Chip basket	5 each	Square, heavy duty, stainless steel, mesh wire, sizes: 280 x 170 x 130 mm and 400 x 300 x 150 mm.
Egg lifter	10	Stainless steel, heat resistant plastic handle
Egg wedger	10	Aluminium, 6 segments
Can opener	5	Mechanical, table mounted, adjustable height, to cut all sizes and shapes of can (round, square, oblong, oval and dented), industrial type, with clamp
Tomato slicer	3	Stainless steel, adjustable slice thickness, tabletop type
Mixing bowl	5 each	Stainless steel, tapered, sizes: 2.5 litres, 4.0 litres, 5.5 litres, 8.0 litres, 13. litres and 17.0 litres
Mixer machine	1	Stainless steel, floor standing, capacity 20 litres, electric, power: 0.37 kw, 240 volts, 50 Hz, neutral and earth, dimension: 530 x 480 x 810 mm, planetary speed: 402/183/ 320 rpm Accessories : 1. stainless steel 20 litres bowl with handles : 2. Whisk and flat beater
Bulk Food trolley	10	Mobile, with electric elements, power: 1.2 kw, 240 volts, 50 Hz, neutral and earth, dimensions: 700 x 880 x 910 mm high
Hospital food service trolley	2	Mobile, with electric elements, power: 1.5 kw, 240 volts, 50 Hz, neutral and earth, dimensions: 1416 x 686 x 1035 mm high Inserts : 1. Full with full lid: 530 x 325 x 150 mm (l x w x d) 22 litres, stainless steel : 2. Half with half lid: 325 x 265 x 150 mm (l x w x d), 11litres : 3. One third with one third lid: 325 x 176 x 150 mm (l x w x d), 7litres

		<ul style="list-style-type: none"> <li>: 4. One quarter with one quarter lid: 265 x 162 x 150 mm (l x w x d), 5 litres</li> <li>: 5. One sixth with one sixth lid: 176 x 162 x 150 mm (l x w x d), 3 litres</li> <li>: 6. One ninth with one ninth lid: 176 x 108 x 150 mm (l x w x d), 1.5 litres</li> </ul>
Soup warmer	2	With lid, tabletop, no wheels, capacity: 11 litres, power: 0.85 kw, 240 volts, 50 Hz, neutral and earth, Top diameter: 270 mm, bottom diameter: 325 mm, height: 325 mm, stainless steel
Vulcan pot	10	Vacuum post stainless steel, insulated, 2.0 litres
Milk jug	20	Stainless steel, capacity: 100 ml
Cutlery set	50	Set Composition 300 : 1. Tea spoons (Qty: 10) 300 : 2. Desert spoons (Qty: 10) 300 : 3. Table spoons (Qty: 10) 300 : 4. Forks (Qty: 10) 300 : 5. Butter knives (Qty: 10) 300 : 6. Knives (Qty: 10)
China ware		
Set		Composition 300 : 1. Tea cups (Qty: 10) 300 : 2. saucers (Qty: 10) 300 : 3. Side plates (Qty: 10) 300 : 4. Plates (Qty: 10) 300 : 6. Soup bowls (Qty: 10) 300 : 7. Mug cups (Qty: 10)
Stainless steel		Set Composition 300 : 1. Milk jug (Qty: 6) 300 : 2. 3- compartment plate, diameter: 320 mm (Qty: 10) 300 : 3. Sugar bowls (Qty: 10) 300 : 4. Tea pot (Qty: 1) 300 : 5. Serving trays (Qty: 1) 300 : 6. Salt shaker (Qty: 1) 4 : 7. Preparation table, splash back, 2250 x 650 x 1060 mm high 4 : 8. Preparation table, plane top, 2250 x 750 x 915 mm high
Plates	300	Melamine plates, diameter: 320 mm (Qty: 10)
Water glass	300	Made of glass.

Stock pots	2	Stainless steel, 16 litres, 280 x 280 mm (diameter x height)
Stock pots	2	Stainless steel, 50 litres, 400 x 400 mm (diameter x height)
Saute pans	5	Stainless steel, 6.7 litres, 350 x 70 mm (diameter x height)
Casseroles with lid	5	Stainless steel Sizes: : 1. 60 litre, 500 x 310 mm (diameter x height) : 2. 30 litre, 400 x 250 mm (diameter x height)
Tea trolleys	5	Stainless steel, 900 x 530 x 960 mm high, castor wheel with rocking mechanism, round, 2 inch, 3 layers, 300 mm apart
Frying pans	5 each	Aluminum, non-stick Sizes: 200 mm, 240 mm, 320 mm and 360 mm
Conveyer toasters	1	With variable conveyer speed, with toast and heat settings, standby mode, capacity: 300 slices per hour, power: 1.8 kw, dimensions: 382 x 437 x 337 mm.
Colander	10	Stainless steel, Sizes: 2340 mm and 380 mm.
Conical strainer	10	Stainless steel, 2400 mm diameter
Plate warmer	2	Electric, 240 volts, 50 Hz, neutral and earthed, Capacity: 100 plates
Scoops	20	Flat bottom, aluminum, size: 200 x 110mm (l x w)
Scoops	20	Flat bottom, heat resistant plastic, size: 240 x 150mm (l x w)
Scoops	20	Round bottom, aluminum, size: 270 x 160mm (l x w)
Baking tins	10	Different sizes ; tin
Baking trays	10	Enamel Sizes : 535 x 325 x 10 mm (w x d x l) : 535 x 325 x 20 mm (w x d x l) : 535 x 325 x 40 mm (w x d x l)
Silicon mould	5	Silicon Sizes : muffin 12 cup, 70 x 30 mm : muffin 6 cup, 70 x 40 mm : Giant muffin 5 cup, 50 x 40 mm
Silicon mould	5	Silicon, rectangular Sizes: 240 x 50 mm
Silicon mould	5	Silicon, round: 260 x 45 mm (diameter x depth)

### **Washing Area**

<b>ITEM</b>	<b>QTY</b>	<b>Technical Specifications</b>
Drying rack	10	Heat resistant plastic, 500 x 500 mm

**Note:**

1. All instrument sets shall come from the following country of origin or manufacturer:  
Germany/Europe, USA, and Japan
  
2. All medical equipment shall come with English version of Technical and Operators Manual; with a good number of identified fast-moving parts, consumables and Technical Training for Operators and Maintenance Technicians/Engineers. The training course syllabus shall be jointly agreed and formulated by the Ministry of Health and the Supplier/Manufacturer/trainer.
  
3. Sophisticated and complex Laboratory equipment shall be acquired with the condition and provision of User Training and Technician Training, guaranteed availability of spare parts in Malawi, and preventive maintenance and service contract, the terms and conditions and the implementation of which shall be monitored and supervised by PAM/RMU.
  
4. Other sophisticated equipment like x-ray machine, Dialysis Machine and Ultrasound Machine may be serviced out on a case-to-case basis, as capacity in this area is continuously being strengthened by the Project



