

Tanzania

Private Hospitals (Regulation) Act

Private Hospitals (Standard Guidelines for Health Facilities) Regulations, 1997

Government Notice 233 of 1997

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Private Hospitals (Standard Guidelines for Health Facilities) Regulations, 1997

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Tanzania

Private Hospitals (Regulation) Act

Private Hospitals (Standard Guidelines for Health Facilities) Regulations, 1997

Government Notice 233 of 1997

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[Note: This legislation has been thoroughly revised and consolidated under the supervision of the Attorney General's Office, in compliance with the Laws Revision Act No. 7 of 1994, the Revised Laws and Annual Revision Act (Chapter 356 (R.L.)), and the Interpretation of Laws and General Clauses Act No. 30 of 1972. This version is up-to-date as at 31st July 2002.]

[Section 30; G.N. No. 233 of 1997]

1.

These regulations may be cited as the Private Hospitals (Standard Guidelines for Health Facilities) Regulations.

2.

In these Regulations, unless the context requires otherwise—

"**the Act**" means the Private Hospitals (Regulation) Act¹;

"**commencement date**" means the 1st day of July, 1997;

"**dental clinic**" means a clinic owned by a registered or licensed dental practitioner which offers oral health care;

"**dental laboratory**" means a laboratory where the construction of dental and maxilla facial prostheses takes place;

"**dispensary**" means a health facility which offers health services on outpatients basis and may include maternal, child health and laboratory services;

"**health centre**" means a health unit which offers services;

"**health facility**" includes a maternity or nursing home, a dental clinic or laboratory, dispensary, health centre, hospital or medical clinic, where health services are provided;

"**hospital**" means a health facility which offers services to both outpatients and in patients and includes maternal and child health services;

"**maternity or nursing home**" means a home established by higher level professional nurse or midwife to provide restorative, rehabilitative, curative and recuperative nursing care to individual family and community;

"**medical clinic**" means a health facility which offers health services by specialists and only on outpatient basis.

¹

3.

- (1) No person shall establish, manage, operate or cause to be managed or operated a health facility unless the facility complies with the relevant standards guidelines set out in the Schedule to these Regulations.
- (2) Any person who contravenes or fails or refuses to comply with the provisions of these Regulations commits an offence against the Act.

4.

- (1) Notwithstanding paragraph 4, no person shall own a health facility unless that person is authorized by a competent authority to do so.
- (2) No medical practitioner or dentist who is in the full time employment of the Government or any other employer shall own a health centre or hospital, save that such a medical practitioner or dentist may own a clinic or dispensary and may work only on part-time basis in any health facility.

Schedule (Paragraph 3(1))**Standard guidelines for all health facilities****1. General guidelines for private health practice**

- 1.1 The owner has to be a Registered/Licensed Medical/Dental practitioner or an organization with a Registered/Licensed Medical/Dental practitioner approved by the Minister of Health.
- 1.2 Practitioners employed full time by the Government and other organisations are not allowed to own health centres or hospitals. They may own clinics or dispensaries. They are allowed to work on all types of health facilities on a part-time basis.
- 1.3 Practitioners must have a working experience, excluding internship, of Medical/Dental practice for not less than 3 years in a recognised health institution.
- 1.4 A suitable facility must be available to cater for the establishment of a clinic (Medical/Dental) dispensary, health centre or hospital only. The health facility should not be in the same building with living premises, hotel, bar/restaurant, hair salon and other entertainment activities.
- 1.5 The building should be easily accessible by road.
- 1.6 The premises should have adequate supply of safe water, effective ventilation and adequate lighting system.
- 1.7 The premises should have good and proper functioning toilets, shower or bath rooms, sluicing room or washing slab. Health Centres and Hospitals must also have an incinerator for waste management.
- 1.8 There should be an effective communication and referral system including transport for emergencies and a telephone if the area is served by the telephone system.
- 1.9 There should be adequate space for all the rooms offering different kinds of services.
- 1.10 Each facility shall keep records on patients and other health information and produce reports on disease morbidity and mortality promptly as required by the Ministry of Health through the District Medical Officer.
- 1.11 Only those drugs allowed at that level of the health facility should be available. Drugs must be stored according to the manufacturer's recommendation, should always be accompanied with records showing the source, proof of purchase, manufacturer, date of manufacture and date of expiry. Expired drugs should not be dispensed and should not be kept in the facility for more than three months after the expiry date.

- 1.12 One's limitations should be clear and therefore high risk cases should be identified early and referred immediately to a facility which can handle such cases competently.
- 1.13 Provide and maintain good quality care of patients. Laboratories must meet minimum standards in the national quality assurance schemes.
- 1.14 Any professional malpractice, misconduct or gross negligence may result in closure of the premises or health facility plus any appropriate disciplinary action taken by the Medical Council of Tanganyika.
- 1.15 Health facility will be allowed to operate after the premises have been inspected by the District Medical Officer, an application has been approved by the Private Hospitals Advisory Board and a Certificate of Registration issued by the Registrar of Private Hospitals. This registration shall be renewed annually.
- 1.16 There shall be a fee charged yearly by the Private Hospitals Advisory Board to any Medical/Dental practitioner or an approved organization owning a health facility.
- 1.17 The Registered/Licensed Medical/Dental practitioner are strictly not allowed to be used as an umbrella either by a person or any organisation to establish a private health facility. Where this has occurred in the past, the practice should be sold to a competent practitioner or be closed.
- 1.18 An appropriately registered/licensed practitioner or at least a clinical officer or a dental therapist should always be available at the health facility whenever it is open. The registered/licensed Medical/ Dental practitioner who owns the facility must always personally be present at the registered health facility for a minimum of 2 hours twice a week.
- 1.19 The private health facility must employ the minimum number of health workers according to these guidelines.
- 1.20 Those running these private health facilities will always be using guidelines issued by the Ministry of Health from time to time.
- 1.21 The private health facilities must have essential equipment and supplies before offering different kinds of services.
- 1.22 The costing mechanisms for various health services provided should be made available to the Ministry of Health on demand. Patients have full right to get an invoice with full details on how the total cost was reached. Each charged component must be shown separately and not only the total final cost.
- 1.23 There should be no advertising either in mass media or through posters or signs. Any signs should not be more than 300 metres from the health facility itself and should only be for directional purposes.
- 1.24 Facilities offering inpatient services should own an ambulance or there should be working arrangements for emergency transfer of patients.
- 1.25 Independent pharmacies and laboratories are not allowed to examine and prescribe to patients.
- 1.26 Operations requiring regional or general anaesthesia should only be done in a health centre or hospital and under a trained anaesthetic officer (Assistant Medical Officer or Doctor).
- 1.27 Every private health facility must be insured against malpractice.
- 1.28 Private health laboratories (those not part of a dispensary, health centre or hospital) will be covered under a separate Act.
- 1.29 Private pharmacies (those not part of a dispensary, health centre or Hospital) are covered under the Pharmaceuticals and Poisons Act² and are managed by the Pharmacy Board.

2. Medical clinic

2.1 Definition

This is a health facility which offers health services on outpatients basis only by specialists.

2.2 Services offered

Depends on specialty and activities but the complete range of services within the specified specialty should be offered.

2.3 Staffing

The only staff will include the specialist him/herself plus any registered nurses.

2.4 Premises

The premise should have a minimum of three rooms:

- Reception
- One working room
- Toilet facilities

2.5 Essential equipment and supplies

These should include all those required to provide all the specialist services for which the unit is registered (see appendices).

2.6 No drugs will be stored or dispensed in a medical clinic except for emergency or diagnostic purposes, when specialist drug administration is required, or where dispensing authority has been granted by the Ministry of Health.

3. Dispensary

3.1 Definition

This is a health facility which offers health services on outpatients basis including Maternal and Child Health services and laboratory services. It may offer observation services for selected patients for less than 12 hours. The maximum number of observation beds is four.

3.2 Services offered

- Treatment of common diseases on outpatient basis. A few patients are observed for not more than 12 hours.
- Maternal and Child Health services including immunisations and normal deliveries.
- Keep records on patients, Maternal and Child Health, disease statistics and other health information and produce reports on disease morbidity and mortality promptly as required by Ministry of Health through the District Medical Officer.
- Health education/health promotion to people being served by a dispensary.
- Laboratory services. Recommended tests to be performed at this level include:
 - Blood - thick or thin smear for blood parasites
 - haemoglobin estimation
 - white blood count total and differential
 - blood glucose
 - sickling test

- syphilis screening

Urine - for glucose, proteins and sediment for microscopic examination.

Stool - Direct microscopy with saline and iodine for organisms, ova and occult blood.

Skin snips.

Pus/exudates - Gram staining procedures and wet preparation Sputum for Acid Fast Bacillus (AFB) investigation (Z-N Stain).

Preservation and posting of specimen to a higher laboratory (optional). Using Stewart's transport medium. The specimens include pus swabs and pap smears.

3.3 Staffing

Clinical cadre

Assistant Medical Officer 1 (Supervisor). The supervisor should spend at least two hours twice per week at the dispensary.

Clinical Officer (MA) 1

Clinical Assistant (RMA) 1

Nursing Cadre

Registered Nurse Midwife 1

Public Health Nurse (PHNB) 1 or trained nurse at all times the clinic is open.

MCH Aides 1

Paramedical

1 trained Laboratory Assistant

3.4 Premises

The building should have the following rooms:

Reception and records room

Consultation room

Laboratory rooms -1 (Reception cum Main Working Room)

Dressing room

Injection room

Dispensing room cum drug store

Observation room(s)

Store

MCH room (optional)

Toilet facilities

Washing slab

Incinerator

A minimum total of 8 rooms (excluding MCH services).

3.5 Essential equipment and supplies

See appendices

4. Health Centres

4.1 Definition

This is a health unit which offers services to both outpatients and inpatients including Maternal and Child Health services. The inpatients shall not exceed 15 beds.

4.2 Services offered

Services offered at health centre level are similar to those offered at dispensary level. However, health centres offer more specialized services including inpatient department with a maximum of 15 beds. The approved drug list is longer than that of a dispensary but the conditions for storage and dispensing are the same as those for a dispensary (see 3.2 above).

[Note: The laboratory tests and essential laboratory equipment are the same as those of a dispensary.]

4.3 Staffing

Clinical cadre

- Assistant Medical Officer 1
- Clinical Officer 4

Nursing cadre

Registered Nurse Midwife 2

Public Health Nurse B 2

MCH Aides 2

Pharmacy

- Pharmaceutical Assistant 1. A trained nurse is an acceptable alternative until there are enough trained pharmaceutical personnel.

Paramedical

- Trained Laboratory Assistant 1
- Medical Attendants 2

4.4 Premises

Health Centres should have the following rooms:

- Reception or records room
- Consultation room
- Laboratory rooms -1 (Reception cum Main Working Room)
- Observation room

- Dressing room
- Injection room
- Dispensing room cum drug store
- Minor theatre
- MCH room: antenatal & FP, under-fives
- Female Wards
- Male Wards
- Maternity Ward
- Other Sections - Office of person in charge of Health Centre
- Office of person in charge of Nursing Section
- Store
- Toilet facilities
- Washing slab
- Incinerator

A minimum total of 15 rooms (excluding Maternal and Child Health).

4.5 Essential equipment and supplies

See Appendices.

5. Hospital

5.1 Definition

This is a health facility which offers services to both outpatients and inpatients including Maternal and Child Health services. It is a first referral centre from dispensaries and health centres. The minimum number of inpatient beds is 16 and must include major theatre, laboratory, pharmacy and blood bank with or without X-ray services.

5.2 Services offered

- All Medical services including dental and any specialist care depending on type of clinical cadre present at this level.
- Conducting on job training for all health workers in the hospital.
- Keep records on patients, Maternal and Child Health, produce reports on disease morbidity and mortality and other health information promptly as required by the Ministry of Health through District Medical Officers.
- Conduct preventive/promotive and rehabilitative services.
- Laboratory and blood bank services.

Recommended tests in addition to those at the dispensary/health centre level include:

Blood - ESR

- Platelet count
- Bleeding time
- Clotting time

- Reticulocyte count

Blood/Serum

- Glucose, bilirubin
- Proteins, ALAT, ASAT
- Creatinine/Urea
- Cell count

C.S.F. - Glucose and proteins

- White cell count, total and differential
- Organisms

Blood - ABO and Rhesus grouping

- Compatibility testing
- HIV screening and testing
- Syphilis and Hepatitis B screening

Urine - Bile pigments (Fouchet's test)

- Urobilinogen (Ehrlich's test)
- Pregnancy test (by agglutination)
- Ketones (Rothera's test).

Autopsy - Medical - Legal autopsies.

5.3 Staffing

Clinical cadre

Medical officers - 3 including medical officer in charge

Clinic officers - 6

Nursing cadre

- Shifts - 3 (morning, afternoon and night).
- Ratio - Registered nurses 1/3 beds/shift, (including at least one Nurse A for each morning and afternoon shift).

Pharmacy

Pharmacist 1

Pharmaceutical Assistant 2

- For hospitals with less than 20 beds a trained nurse is an acceptable alternative to a pharmaceutical assistant for the pharmaceutical services. For hospitals with up to 50 beds, a pharmaceutical assistant is an acceptable alternative to pharmaceutical technician. Hospitals with more than 50 beds should have a registered pharmacist in charge of the pharmacy, but a pharmaceutical technician is acceptable where the beds do not exceed 100.

Paramedical

Laboratory Section Laboratory Technologist - 2

Laboratory Assistant - 2

Radiographer 1 where X-Ray facility services exist.

5.4 Premises

Vital rooms in the hospital are:

- Reception room
- Medical officers in charge of the hospital room
- Nursing officers in charge of the hospital
- Consultation room(s) at least one
- MCH rooms: antenatal & FP and under-fives
- Injection room
- Dressing room
- Dispensing room
- Observation room
- Minor theatre
- Medical Ward - Male and Female
- Surgical Ward - Male and Female
- Maternity Ward
- Major Operating Theatre
- 2 changing rooms for doctors and nurses (Male and Female)
- Laboratory and blood bank
- Store for hospital supplies and equipment
- Library/teaching room, for continuing education
- Laundry
- Separate toilet facilities for staff and patients
- Kitchen
- Incinerator
- Mortuary

A minimum of 20 spacious rooms is required for a hospital and a functioning incinerator for waste management.

5.5 Essential equipment and supplies

Surgical equipment to perform the following interventions:

- Traumatology including traction
- Hernia repair

- Repair of abdominal trauma
- Bowel resection and anastomosis
- Splenectomy
- Appendectomy
- Tubal ligation
- Ectopic Pregnancy
- Hysterectomy
- Adnexectomy
- Total hysterectomy
- Curettage and evacuation
- Vacuum extraction
- Caesarean section
- Craniotomy/Decapitation
- Vesical puncture, urethral dilation and hydrocelectomy
- Aspiration of pneumothorax, drainage of pyothorax
- Other minor surgical procedures e.g. circumcision.

The appendices show specific items required for various surgical procedures.

6. Dental clinic

6.1 Definition

This is a clinic run by a registered/licensed dental practitioner which offers oral health care.

6.2 Services offered

6.2.1 Emergency oral health care:

- Simple and complicated extraction
- draining of abscesses
- control of acute and chronic oral infection with appropriate therapies, and
- first aid for maxillo-facial trauma.

6.2.2 Restorative care:

- Class I, II, III, IV and fillings
- scaling and polishing of teeth and dentures
- oral Health Education for individuals or groups
- prosthodontics (partial dentures, full dentures, crown & bridge)

6.3 Staffing

Dental surgeon 1 or Assistant Dental officer 1

A Dental Surgery Assistant 1

A Dental Therapist may assist the Dental Surgeon or Assistant Dental officer

6.4 Working space (minimum of 2 rooms)

- a. A room of area 5m x 3m with at least one large window which is dust proof.
- b. Wash-hand basin
- c. Fluorescent light in the middle of the room
- d. Walls with oil paint from floor to height of at least 1½m
- e. Easily cleaned floor
- f. Waiting room.

6.5 Equipment/Instruments (see Appendix A)**7. Dental laboratory****7.1 Definition**

This is a laboratory where the construction of dental maxillo and facial prostheses takes place.

7.2 Services offered

- Construction of dental and maxillo-facial prosthesis
- Repair of dental and maxillo-facial prosthesis.

7.3 Staffing

Dental Laboratory Technologist

At present there is no dental laboratory assistant and no training is envisaged.

7.4 Working space (minimum of 2 rooms)

Same as dental clinic.

7.5 Equipment/Instrument (see Appendix A)**8. Nursing/Maternity homes****8.1 Definition**

Homes established by higher level professional Nurse/Midwife to provide restorative, rehabilitative, curative and recuperative nursing care to individual family and community.

8.2 Proprietor has to be a registered nurse/midwife "A" level and above.

8.3 Must have a working experience of nursing/midwifery practice for not less than 5 years in a recognized health institution.

8.4 Must have a suitable facility to cater for the establishment of nursing/maternity services safely.

8.5 The building should be easily accessible.

8.6 The premises should have good supply of water, effective ventilation and natural lightning system. The premises should have toilets, shower, bath rooms, sluicing room, or washing slab and an incinerator.

8.7 There should be established effective communication and referral system for the premises.

8.8 There should be adequate space for rooming, recuperation, delivery room, sterilization, injections and minor treatments.

8.9 There shall be a register book maintained to record attendance and re-attendance, inpatients, deliveries and also vital signs charts.

- 8.10 Only drugs allowed for midwives should be stocked and any prescriptions should be limited to those specific drugs.
- 8.11 Homes' limitations should be clear, and high risks cases identified early and referred immediately.
- 8.12 Provide and maintain quality care within limits of Nursing/Midwifery profession and adhere to nursing ethics.
- 8.13 Any professional malpractice, misconduct or gross negligence may result in closure of the premises and any other disciplinary action may be taken by the council with a possibility of being removed from Nurses/Midwives register.
- 8.14 The registered nurses/midwives will be allowed to practise after the premises have been inspected by the District Medical Officer, approval from the Tanganyika Nurses and Midwives Council and a certificate issued by the Register of Tanganyika Nurses and Midwives Council.
- 8.15 There shall be a fee charged by the Tanganyika Nurses and Midwives Council to any nurse/midwife engaged in private practice as specified by the Tanganyika Nurses and Midwives Council from time to time.

8.16 Services offered

- Provided comprehensive professional nursing care (including rehabilitation and recuperation therapy) to patients in a homely atmosphere.
- Provide Maternal and Child Health care services.

8.17 Staffing

- Registered Nurse A 1
- Registered Nurse B 1
- PHNB 1
- MCH Aide 1 for MCH Services.

Where the facility offers inpatient care, there should be at least one registered/licensed nurse for each 8 hours.

8.18 Premises (to be used solely for this purpose)

Floor Plan or layout of physical structure.

- Building should be durable, safe and of permanent materials i.e. concrete blocks or bricks
- Well-ventilated rooms
- Admission cum reception room
- A sterilization room for injection
- Room for dressing and minor treatments
- Ante-natal room
- Delivery room
- Post-natal room
- Room for general observations
- Adequate sluice room and for laundry or concrete slab
- Small pantry
- Store for linen, equipment and appliances

- Store for drugs, dressings and cupboard
- One changing room and utility room for staff
- Two toilets with two bathrooms
- Incinerator

8.19 Essential equipment/supplies (see Appendices)

Appendix A

Essential requirements for assorted places

1. Records and reception room

- 1 Office table and 2 chairs
- Large notice board 1
- Large benches 2
- Small bench 1
- Bucket, foot-operated 1, or any provided it has a lid or cover
- Shelves for patient's cards
- Clock - Wall (Optional)

2. Consultation room

General and medical furniture

- 1 Office table with drawer and 3 chairs
- Small bench 1
- Small wooden step 1
- Medicine cupboard 1
- Screen four folds 1
- Examination couch 1

Equipment and instruments

- Sphygmomanometer, aneroid 1
- Stethoscope 1
- Clinic thermometer 2
- Small jar with tongue depressor 1
- Diagnostic set "Min" 1
- Vaginal examination tray 1
- Hand torch 1
- Hurricane or pressure lamp
- Sink with running water or hand wash basin with soap dish
- Dust bin or bucket, foot-operated 1

3. Dressing Room

General and medical furniture

- 1 Office table with 2 chairs
- Small medicine cupboard 1
- Small instrument cupboard 1
- Dressing stool 1
- Small notice board 1
- Small bench 1
- Wooden step - four folds 1
- Dressing trolley 1
- Screen - four folds 1
- Bowl stand 1
- Examination couch 1 for patients with perineal/genital wounds

Equipment and instruments

- Sterilizer electric or stove 1
- Instrument tray ss large 1
- Instrument tray ss medium 1
- Instrument tray with lid ss large 1
- Instrument tray with lid ss medium 1
- Instrument tray with lid ss small 1
- Kidney dish ss large 1
- Kidney dish ss medium 1
- Kidney dish ss small 1
- Gallipot 3
- Bowl lotion large 1
- Bowl lotion medium 1
- Bowl lotion small 1
- Jar forceps with Cheadle forceps 1
- Dressing drum deep large 1
- Dressing drum deep small 1
- Dressing drum shallow large 1
- Dressing drum shallow small 1
- Forceps bowl 1
- Dressing tray 2
- Buckets, foot-operated or dustbin 1
- Sink with running water or hand washbasin with soapdish 1
- Necessary disinfectants/antiseptics

4. Injection room

General and medical furniture

- 1 Office table with 2 chairs
- Small bench 1
- Small medicine cupboard 1
- Small instrument cupboard 1
- Dressing trolley 1
- Medicine trolley 1
- Bowl stand 1
- Examination couch 1
- Register books

Equipment and instruments

- Sterilizer electric or stove 1
- Instrument tray ss large 1
- Instrument tray ss medium 1
- Instrument tray with lid ss large 1
- Instrument tray with lid ss medium 1
- Instrument tray with lid ss small 1
- Kidney dish ss large 2
- Kidney dish ss medium 2
- Kidney dish ss small 2
- Gallipot 3
- Bowl lotion small with 2 bowl forceps 1
- Jar forceps ss with 2 Cheadle forceps 1 (each in its own jar)
- Dressing drum ss deep small 1
- Dressing drum ss shallow small 1
- Forceps or needle/Syringe holder 2 dissecting
- Rubber tourniquet 1
- Sink with running water or hand wash basin with soap dish 1
- Bucket foot operated or a bucket with a lid

5. Dispensing room

General and medical furniture

- 1 Office table and 2 chairs
- Large bench 1
- Medicine cupboard 1
- High stool 1
- Small notice board 1
- Medicine trolley 1
- Bowl stand 1

6. Laboratory room

Dispensary / Health centre level

- Binocular powered microscope (electrical or light)
- Centrifuge machine (electrical or manual)
- Haemoglobinometer / Lovibond comparator
- Weighing scale
- Water filter
- Timer
- Spirit lamp
- Rack staining
- Tally counter
- Boxes for microscope slides
- Cover glass for Haemoglobinometer
- Differential counter
- Specimen flasks (vaccine carriers)
- 1 refrigerator with freezing compartment for reagents and vaccines.

Hospital level

All equipment found at lower level health facilities plus:

- ELISA Washer - Manual
- ELISA reader
- Centrifuge - electrical
- Fuchs-Rosenthal Chamber
- Calorimeter variable wavelength
- Autoclave / pressure cooker and kerosene stove
- Water bath
- Hot air oven
- Water Distiller
- Timer with second hand
- Maximum/Minimum thermometer
- Sterilizer
- Photometer
- Electric stabilizer for sensitive equipment
- Westergren rackstand
- Refrigerators - one with freezer compartment for reagents one for blood bank
- Autopsy dissecting set.

Essential laboratory chemicals/reagents up to Primary Level (Hospital)

- Acetic Acid Glacial (99% - 100%)
- Acetone pure
- Benzoic Acid AR
- D-Glucose AR
- O-Toluidine AR
- Thiourea AR
- Bovine albumin 30%
- Cupric sulphate pentahydrate
- Potassium iodide AR
- Sodium Potassium tartrate
- Sodium oxide
- Hydrochloric acid
- Sodium hydroxide pellets
- Potassium dihydrogen phosphate
- Dipotassium hydrogen phosphate
- Nonidet P40
- Sodium carbonate (anhydrous)
- EDTA - Disodium
- Phenol
- Standard haemoglobin cyanide
- Formaldehyde
- Bromocresol green (water soluble)
- Basic fuchsin
- Creatinine anhydrous
- Picric acid
- Trichloroacetic acid AR
- Immersion oil (Tropical grade)
- Methylene blue
- Crystal/Gentian violet
- Neutral red
- Lysol
- Sodium nitroprusside
- Sodium acetate

- Sodium sulphate anhydrous
- Sulphosalicylic acid
- Sulphuric acid concentrated
- Alcohol absolute
- Buffer tablets pH 7.2
- Buffer tablets pH 6.8
- Iodine
- Methyl alcohol
- Sodium fluoride
- Sodium metabisulphite
- Albustix
- Xylene, sulphur free
- Field stain A
- Clinistix
- Brilliant Cresol blue powder
- Sodium citrate
- Field stain B
- Litmus paper
- Potassium ferricyanide
- Potassium cyanide
- Sodium bicarbonate
- Potassium oxalate
- Sodium nitrite
- Sulfanilic acid
- Caffeine
- Sodium benzoate
- Ammonium oxalate
- Anti A
- Anti B
- Anti D
- Multistix
- AZOSTIX
- Haematest
- Calcium hypochlorite
- Barium chloride

- Ferric chloride
- 4-dimethylamino benzaldehyde
- Ammonium sulphate
- Sodium chloride
- Sodium azide
- Leishman stain
- VDRL Carbon artier
- HIV kit
- Pregnancy reagent kit
- Widal reagents:
 - Salmonella antigen
 - Salmonella O antigen
 - Brucella abortus antigen
 - Ox-19 antigen

7. Observation room

General and medical furniture

- 1 Office table and 2 chairs
- Small notice board 1
- Standard white hospital bed
- Bedside locker for each bed
- Medicine cupboard 1 with emergency drugs
- Patients stool for each bed
- Back rest 1
- Dressing trolley 1
- Medicine trolley 1
- Screen four folds 2
- Drip stand 1
- Bowl stand 1
- Bed elevator 1

Equipment and instruments

- Electric sterilizer or stove 1
- Suction machine-foot operated or electric 1
- Clinical thermometer 2
- Sphygmomanometer 1
- Stethoscope 1
- Foetoscope 1
- Resuscitation kit
- Oxygen apparatus (complete set) 1
- Nebulizer with adaptor (Optional) 1
- Instrument tray ss large 1
- Instrument tray ss medium 1
- Instrument tray ss small 1
- Instrument tray with lid ss large 1
- Instrument tray with lid ss medium 1
- Instrument tray with lid ss small 1
- Kidney dish ss large 2
- Kidney dish ss medium 2
- Kidney dish ss small 2
- Gallipot ss 2
- Bowl lotion ss medium 2
- Bowl lotion ss small 2
- Bowl vomiting ss 2
- Bed pan ss 1
- Urinal ss 1
- Sputum mug 2
- Dressing drum deep small 1
- Dressing drum shallow large 1
- Forceps jar with 2 Cheadle forceps 1
- Gastric tube 1
- Rubber Catheter fine (Urethral) 4 Urethral Catheters
- Hurricane or pressure lamp 1
- Funnel plastic medium 1
- Bucket foot operated or dust bins 1

- Bedding

8. **Maternal and Child Health room**

General and medical furniture

- 2 Office tables 4 chairs
- Large benches 2
- Small benches 1
- Large notice board 1
- Medicine cupboard 1
- Instrument cupboard 1
- Dressing trolley 1
- Medicine trolley 1
- Screen - four folds 1
- Examination couch 1
- Equipment and Instruments
- Electric sterilizer or stove 1
- Refrigerator - electric (solar), or kerosene for Vaccine 1
- Sphygmomanometer and stethoscope 1
- Foetoscope 1
- Clinical thermometer 1
- Immunization trays 2

9. **Admission room**

- A table and two chairs
- An examination couch (table) with a screen
- Stepping stool
- Pedal bucket with a cover
- Weighing scale, height measure on a wall
- One B/P machine with a stethoscope
- Temperature tray; shaving tray
- One wheel chair and one stretcher
- Register book-for delivery, daily general attendance and admissions
- Admission forms, labour record forms

10. **Delivery room**

- One complete delivery bed with Mackintosh
- Two buckets with lids for soiled linen and swabs

- Two small lockers
 - Angled lamp, torch, hurricane lamp, foetoscope
 - Delivery register
 - Birth notification forms
 - Labour progress charts - partogram
 - Resuscitation tray
 - Baby cot
 - Oxygen cylinder
 - Pair sterile pads
 - Umbilical cord ligatures
 - Sterile gloves
 - Perineum pads
11. **Small cupboard in delivery room**
- Lignocaine
 - Ergometrine
 - Syringes and needles
 - Urethral sterile catheters
 - Syntometrine injection
 - Assorted drugs (approved for use midwives, list)
12. **Sterilizing room**
- One medium sterilizer
 - Kerosene stove or Charcoal stove
 - Fish kettle
 - Saucepan with a tight-lid
 - Two drums - one for gloves and another for cotton wool and gauze
 - 1 for cotton wool, pads and gauze
 - Cheadle forceps in a jar
 - Disinfectants and antiseptic
13. **Sluice room**
- Minimum of 2 bed pans and 2 urinals
 - Bedpan brush in a container
 - Mackintosh rack
 - Big dust bin with lid
 - Brooms, mops, mop-buckets, scrubbing brush
 - Soiled linen container

- Soap, scouring powder, Harpic
 - Disinfectants
 - Tray for urine testing
 - Placenta disposal container
14. **Pre- and post-delivery rooms**
- Standard hospital beds
 - Mattresses covered with plastic macintosh
 - Small lockers for each bed
 - Small table and chair for nurses
 - Report books and record cards
 - Patients stool for each bed
 - Trolley - soiled linen stand, patients chart, dressing, medicine
 - Bucket foot operated
 - Screen fourfold
 - Drip stand
 - Sterilizer
 - Sphygmomanometer, stethoscope
 - Clinical thermometers
 - Instrument tray ss large
15. **Linen**
- Every bed should have an average of 4 white bed sheets
 - White draw sheets - 5 for each bed
 - Blanket where necessary
 - Hand towels
 - Laundry soap
 - Pillows and pillow cases
16. **Minor theatre**

General furniture

- 1 Office table and 2 chairs
- Small notice board 1
- Small bench 1
- Medicine cupboard 1
- Instrument cupboard 1

Medical furniture

- Soiled linen stand trolley 1
- Dressing trolley 2
- Screen - fourfold 1
- Drip stand 1
- Bowl stand 1
- Dressing drum stand 1
- Wheel chair 1
- Stretcher 1
- Small operating table 1

Equipment/Instruments/Supplies

- Sterilizer - electric or kerosene 1
- Suction machine - electric or foot-operated 1
- 1 Sphygmomanometer and 1 stethoscope
- Instrument trays (large, medium, small) 1 each
- Instrument tray (large, medium, small) 1 each
- Kidney dishes ss (large, medium, small) 2 each
- Gallipot ss 2 each
- Bowl lotion ss large 2
- Bowl lotion ss (medium, small) 2
- Forceps bowl 2
- Jar forceps ss with 2 Cheadle forceps 1
- Small jar for needle/syringe holder 1
- Small jar with lid for swabs 1
- Dressing drums (deep - large, small, shallow - large, small) 1 each type
- Lamp pause angle electric 1
- Mouth gauge 2
- I.V. Cannulae 4 and 6
- Air way - adult 2
- Air way - children 2
- Air way - babies 1
- Ear syringe 2
- Rubber tourniquet 1
- EMO Machine (optional) 1
- Trays (Sets) of instruments:

Cutting down 1

Incision 1

Lumbar puncture 1

Stitch removal 1

Suture 1

Aspiration 1

Dressing 1

Basic surgical set for minor operations 1

General equipment and supplies

- Boots Surgeons - different sizes
- Bucket G1 1
- Hurricane lamp 1
- Sink with running water or hand washbasin in a stand with soapdish.

17. Major theatre

General furniture

- Office table 2
- Office chair 4
- Vermont chair 4
- Patients stool 1
- Benches - medium
- Instrument cupboard
- Medicine cupboard
- Large notice board 1
- Small notice board 1
- Resuscitation table (small) 1
- Black board (medium) 1
- Rack for stationery 1

Medical equipment

- Operating table - Major 1
- Cot bassinette complete with mattress size 155 * 55 cm 2
- Patients Stretcher complete with canvas on 12cm rubber heels 4
- Wheel chair invalid folding adult size 2
- Trolley for sold linen on 10 cm rubber castors complete with canvas bag
- Drip stand with double hooks and adjustable height 2
- Screen four folds on 10 cm rubber castors 2
- Dressing trolleys (with aluminium/formica top and bottom shelves size 90 x 60 cm on rubber castors 2
- Lamp anglepoise electric 1
- Castors with screws of 10 hooks each 1
- Anaesthetic trolley with drawers and shelves 1
- Mayo instrument stand 1

Equipment/Instruments

- Sterilizer electric 1 or Kerosene stove.
- Autoclave electric or kerosene 1
- Instrument tray ss large 2
- Instrument tray ss medium 2
- Instrument tray ss small 2
- Instrument tray ss with lid large 2
- Instrument tray ss with lid medium 2
- Kidney dishes ss small 6
- Kidney dishes ss medium 4
- Kidney dishes ss large 2
- Gallipot 6
- Bowl lotion ss large 4
- Bowl lotion ss medium 4
- Bowl lotion ss small 4
- Bowl vomiting ss 1
- Bowl medicine ss 2
- Bowl wash hand ss 2
- Jar forceps with Cheadle forceps 2
- Jar small for needle/syringe with holding forceps 2
- Bed pan ss 1
- Urinal ss 1
- Bay pot ss or polythene 1
- Small jar with lids for swabs 2
- Scale weighing babies 1
- Dressing drum deep large 4
- Dressing drum deep medium 4
- Dressing drum deep small 4
- Dressing drum deep shallow large 4
- Dressing drum deep shallow medium 2
- Dressing drum deep shallow small 1
- Dressing drum deep shallow extra small 1
- Bucket, foot-operated
- Jar glass with lid large 2

- Ice bag 1

Diagnostic equipment

- Diagnostic set complete with accessories in CD 1
- Sphygmomanometer 300 mm complete with set in pocket 1
- Stethoscope binaural magnetone complete with accessories 1
- Foetoscope 2
- Clinical thermometer - oral 2
- Clinical thermometer - rectal low grade
- Patella hammer 1
- Tuning fork 1
- Pulsometer 1

Oxygen therapy and anaesthetic equipment/instrument/supplies

- Oxygen cylinder 4
- Oxygen gauge 2
- Oxygen flowmeter single 2
- Oxygen flowmeter double 1
- Nebulizer with adaptor 2
- Spindle key 2
- Oxygen stand 2
- Laryngoscope complete set with adult and infants blades 2
- Endotracheal tubes with accessories (disposable)
- McGills forceps 2
- Airway size small 4
- Airway size medium 4
- Airway size large 4
- Mouth gag 2
- Tongue depressor 4
- Resuscitation "kit" baby bag complete 2
- Ambu bag 2
- Anaesthetic machine complete with accessories 1
- Anaesthetic stool 2

Theatre outfit and sundries

- Theatre gowns/dresses, caps and marks
- Surgeons boots different sizes

Sets or trays

- General set (Laparotomy set) 2
- Caesarean section set 2
- Dilation and Curettage 2
- Craniotomy set 1
- Thoracotomy set 1
- Relief of retention of urine 1
- Limb amputation (emergency) 1
- Vacuum extraction set

General equipment

- Hand torch 1
- Clock wall 1
- Wall mirror 1
- Hurricane or pressure lamp 1
- Jug stainless steel large and small 1 each
- Soap dish 1

Cleaning equipment

- Scrubbing brush 4
- Soft brush with handle 4
- Mop with handle 4
- Mop bucket 2
- Bath Gl 2
- Bucket 2

18. Ward**General furniture**

- Office table with drawer 1
- Office chair 2
- Vermont chair 1
- Patients stool for each bed
- Bedside locker for each bed
- Medicine cupboard 1
- Instrument cupboard 1
- Small notice board 1
- Rack for stationery 1

Medical equipment

- Standard hospital white bed with mattress covered with macintosh
- Standard patient stretcher (with canvas on 12 cm rubber wheels) 1
- Wheel chair (invalid folding adult size) 1
- Trolley for soiled linen on 10 cm rubber castors with canvas bag 1
- Drip stand (double hooks and adjustable height) 2
- Screen four folds on 10 cm rubber castors 1
- Bed elevator 1
- Back rest 1
- Dressing trolleys (with aluminium formica top and bottom shelves size 90 x 60 cm) on rubber ball castors 1
- Trolley medication size 90 * 60 cm on 10 cm rubber ball castors 1
- Over bed table (optional) necessary in medical and surgical wards 1
- Chart holders-plastic to each bed

Equipment/Instruments

- Sterilizer electric large 1
- Suction machine electric or foot-operated 1
- Instrument tray ss large 1
- Instrument ss medium 1
- Instrument tray ss small 1
- Instrument tray ss with lid large 1
- Instrument tray ss with lid medium 1
- Instrument tray ss with lid small 1
- Kidney dishes ss large 2
- Kidney dishes ss medium 2
- Kidney dishes ss small 2
- Gallipot 4
- Bowl lotion ss large 2
- Bowl lotion ss medium 2
- Bowl lotion ss small 2
- Bowl medicine 2
- Bowl vomiting 1
- Bowl wash hand 1
- Jar forceps with Cheadle forceps 1
- Jar small for needle/syringe with forceps holder 1
- Feeding cups ss 1
- Pint measure ss ½ litre 1
- Tabular medicine plastic 1
- Bed pan ss 1
- Urinal ss 1
- Sputum mugs 2
- Douche can ss 1
- Funnel plastic medium 1
- Small jar with lids for swabs 1
- Weighing scale 1
- Dressing drum deep large 1
- Dressing drum deep medium 1
- Dressing drum deep small 1

- Dressing drum deep shallow large 1
- Dressing drum deep shallow medium 1
- Dressing drum deep shallow small 1
- Dressing drum deep shallow extra small 1
- Forceps bowl 1
- Diagnostic set (complete with accessories in CD) 1
- Sphygmomanometer with stethoscope 1
- Clinical thermometers 2
- Pulsometer 1
- Oxygen therapy (complete apparatus) 1
- Mouth gag 1
- Airway all sizes 1 each
- Tongue depressor 1
- Mattress covered with plastic (macintosh) for each bed
- Ryles tube 2
- Gastric tube 1
- Catheters of different sizes
- Rubber tourniquet 1

General equipment

- Clock wall (optional) 1
- Hurricane or pressure lamp 1
- Soap dishes 1
- Jug stainless steel large 1
- Jug stainless steel small 1
- Tubular plastic or glass 2
- Pail ss with lid 1
- Eating utensils (optional)
- Cleaning equipment
- Mop with handle 1
- Mop bucket 1
- Brush with soft handle 1
- Dust bin 1
- Brush street 2
- Brush high dusting with handle 1
- Brush buster 1

19. Room for medical officer in charge

General and medical furniture

- Executive table 1
- Executive chair 1
- Office chair 4
- Vermont chair 2
- Small notice board 1
- Rack for stationery

Medical equipment/instruments

- Stand only for bowl ss or plastic on 10 cm rubber castors 1
- Screen - four folds on 10 cm rubber castors 1
- Patients bell 1
- Examination couch 1
- Refrigerator electric or kerosene 1
- Instrument tray ss large 1
- Instrument tray ss medium 1
- Instrument tray ss small 1
- Kidney dish ss large 2
- Kidney dish ss medium 2
- Kidney dish ss small 2
- Bowl lotion ss small 1
- Jar forceps ss with 2 chadles forceps 1
- Dressing drum deep medium 1
- Dressing drum deep small 1
- Bucket foot operated 1
- Diagnostic set complete with accessories in 1
- Sphygmomanometer 1
- Stethoscope 1
- Foetoscope 1
- Clinical thermometers 2
- Patella hammer 1
- Tuning fork 1
- Pulsometer (optional) 1
- Vaginal examination set 1
- Tongue depressor 1

General equipment

- Clock wall 1
- Hurricane or pressure lamp 1
- Sink with running water or hand wash basin with soap dish.

20. Room for Nursing Officers in Charge**General and medical furniture**

- Executive table 1
- Executive chair 1
- Office chair 2
- Vermont chair 2
- Medicine cupboard 1
- Instrument cupboard 1
- Small notice board 1

Equipment / instrument

- Examination couch 1
- Stand only for bowl ss or plastic on 10 cm rubber castors
- Bowl wash hand ss with soap dish 1
- Scale weighing adults with height 1
- Bucket foot operated 1
- Sink with running water
- BP and Stethoscope
- Thermometer
- Torch hand

21. Dental Clinic or Room**Equipment**

- Dental chair manoeuvrable to all operating positions
- A spittoon that can be kept clean
- 1 Operating light
- 1 Pressure cooker type of sterilizer
- 1 Dental Unit to operate either air, motor or turbine handpiece with connections for air and water
- X-ray machine for dental diagnostic services (optional)

Instruments

- 5 mouth mirrors
- 5 probes (explorers)
- 2 tweezers
- Excavators No. 125/126 and 127/128 each
- Plastic instruments (No. 16, 18, 154 and 155)
- Sealers (No. H6, H7 and H5)
- Two matrix clamp/retainer and bands
- Amalgam carrier
- Water syringe and air syringe
- Alloy and mercury dispenser
- Cotton and holder
- Mortar and pestle
- Hand piece - straight
- Hand piece - contra angle
- Extraction forceps
- 5 lower molar forceps
- 2 pairs of upper molar forceps
- 1 lower premolar forceps
- 1 upper incisor forceps
- 2 root elevators
- 1 straight elevator

22. Dental laboratory**Equipment**

- Polishing and grinding lathe
- Laboratory suspension unit complete with mortar, cable arm variable foot control
- Laboratory hand piece
- Model timer
- Plaster vibrators
- Poco Bath
- Casting machine
- Bunsen burner
- Bench press
- Denture flasks
- Flask steel press
- Plain line articulator
- Carvers
- Spatula
- Wax Knife
- Scissors
- Plaster Knife
- Tweezers
- Rubber bowl
- Plaster saw
- Hammer
- Pliers No. 64, 74, 150 and 127
- Spirit lamp

23. ENT Clinic/Room**Basic equipment required**

- A wash basin
- Towel
- Examination coach

ENT Examination Unit with:

- Suction facilities
- Cautery facilities
- Nasal specula - several
- Tongue depressors - several
- Cerumen hooks - two
- Laryngoscopy mirrors - several sizes
- Bayonet forceps - two
- Lucks forceps - two
- Aural speculum - several
- A pair of scissors
- Kidney dishes - two
- Gallipot - two
- A light source
- Head mirror or head light
- Suction apparatus, if not in ENT Unit
- Sterilizer
- Plastic pail/Apron
- Two or more instrument containers
- Cotton buds
- Decongestant nasal drops
- Hydrogen peroxide ear drops
- Doctor and Patient's chairs

24. Eye clinic/room**Ophthalmic instruments****Eye testing**

- Snellen's visual acuity chart
- Pin-hole
- Scholtz indentation tonometer/Hand application tonometer
- Torch/Slit lamp (Haag-Strait 900)
- Magnifying loops: hand-held; head-band; Luxo loop
- Ophthalmoscope/Fundus camera
- Trial set
- Trial frames (2), Lensometer, Near Vision Charts
- Frames - many
- Ophthalmic lenses (-6D to + 6D sph./ -2.25D to + 2Dcyl)
- Eye drops: Atropine, cyclopentolate
- Ishihara colour tests; D15 colour test
- Bjerrum screen
- Henson's field analyser
- Presbyopic reading glasses S+1.5D; 2.0D; 2.5D; 3.0D

Eye dressing

- Kidney dishes (2)
- Gallipots (2)
- Cheadle forceps and container (set 2)
- Dressing forceps (4)
- Needle holder (2 sizes)
- Gloves - different sizes
- Steriliser (steam or dry heat for instruments)
- Surgical dressing trolleys (2)
- Medicine cabinets

Eye surgery equipment/instrument and supplies

- Sutures; (2/0; 3/0; 4/0; 6/0) silk; 10/0 Nylon.
- Surgical blades: Nos. 11; 15

- Bard Parker handle to fit
- Skin and conjunctival tissue forceps - toothed/non-toothed
- Westcott scissors - straight and curved (2) each large/small
- Artery forceps (Mosquito) - (6 small; 4 large)
- Chalazion forceps (1 each of large, medium, and small)
- Entropion clamps (2) sizes one each for children/adults
- Microsurgical sets for cataract, glaucoma and strabismus
- Operating loops
- Surgical microscopes: Zeiss; Nikon; Scan Optic with attachments for assistant camera
- Steam and dry heat surgical equipment/linen sterilisers
- Dressing trolleys (large and medium - 2 each)
- Instrument trolleys
- Medicine cabinets
- Dressing towels - many

Miscellaneous

- Hypodermic needles: G23; G26
- Syringes
- Drums for towels/instruments/linen/pads/cotton
- Large gauze scissors
- Eye prostheses and orbital conformers
- Scleral and corneal contact lenses: cosmetic/therapeutic
- Prism sets: single and bars
- Bagoloni glasses
- Retinoscopes (2)

Appendix B

Essential instruments for various packs/trays

1. Clip removal tray

2 kidney dishes

2 gallipots

2 dressing forceps

1 dissecting forceps plain

1 clip extracting forceps

cotton wool swabs

gauze swabs

2 dressing towels

2. **Cutting down tray**

2 kidney dishes

2 gallipots

1 BP handle No. 3

3 blades No. 15

1 dissecting forceps plain

1 dissecting forceps toothed - Addison's

1 aneurysm needle

1 mosquito forceps curved

1 towel clips

3 cannula small, medium, large

1 2 cc syringe

Needles no. 14, 2 and 1

3 skin cutting needles no. 6, 10 and 12

1 Round body needle

1 dressing scissors SP

1 fine scissors

3 dressing towels

1 hand towel

cotton wool swabs

gauze swabs

1 chromic ethicon No. 2/0

3. **Incision tray**

2 kidney dishes - large

2 gallipots

1 sinus forceps 7"

1 sinus forceps 5"

1 BP handle No. 3.

2 blades No. 10 or 15

1 dissecting forceps plain

2 artery forceps

Cotton wool swabs

gauze swabs

- 1 hand towel
- 3 dressing towels
- Cotton wool pad
- 4. **Lumbar puncture tray**
 - 2 kidney dishes
 - 2 gallipots
 - 1 2 cc syringe
 - Needles No. 14, 2 and 1
 - 3 - Lumbar puncture needles
(Small-Med-Big)
 - 2 blades No. 11
 - Cotton wool swabs
 - gauze swabs
 - 3 dressing towels
 - 1 hand towel
- 5. **Skin biopsy tray**
 - 2 kidney dishes
 - 2 gallipots
 - 2 artery forceps
 - 1 dissecting forceps toothed
 - 1 dissecting forceps plain
 - 1 gallies hook
 - 1 BP handle
 - 2 blades No. 15
 - 1 2 cc syringe
 - Needles No. 14, 2 and 1
 - silk suture No. 2/0
 - catgut chromic No. 2/0
 - cotton wool swabs
 - gauze swabs
 - 3 cutting skin needles
 - 3 dressing towels
 - 1 hand towel
 - 1 surgical scissors fine

6. Vaginal examination tray (patient not in labour)

2 kidney dishes
2 gallipots
1 speculum Duckbill Cuscos or Brewer
2 sponge holding forceps
1 Vaginal retractor sims
1 bowl
3 dressing Towels
1 hand towel
1 Maternity pad
cotton wool swabs
Gauze swabs
Pairs of sterile gloves

7. Sternal puncture tray

2 kidney dishes (big)
2 gallipots
2 sternal puncture needles (KLIMA)
1 adaptor for luer syringe 1
2 cc syringe
1 5 cc Syringe 10 cc/20 cc
Needles No. 14, 2 and 1
2 blades No. 11
3 Dressing Towels
1 hand towel
Cotton wool swabs
Gauze swabs

8. Lymph node biopsy tray

2 kidney dishes (gib)
2 gallipots ss
1 2 cc syringe
Hypodermic Needles No. 1, 2 and 14
2 Blades No. 10
1 BP handle No. 3
6 artery forceps 6"
1 Needle holding forceps

- 1 scissors SP 5"
- 1 Dissecting forceps plain
- 1 Dissecting forceps toothed
- 2 Tissue forceps Allies
- Silk suture No. 2/0 (accompanying Tray)
- 2 dressing towels
- 1 hand towel
- 9. **Stitch removal tray**
 - 2 kidney dishes
 - 2 gallipots
 - 2 dressing forceps
 - 1 dissecting forceps plain
 - 1 stitch scissors
 - 2 dressing towels
 - cotton wool swabs
 - gauze swabs
- 10. **Suture tray**
 - 2 kidney dishes (large)
 - 2 gallipots
 - 1 dissecting forceps footed
 - 1 needle holding forceps
 - 4 artery forceps 5"
 - 3 skin cutting needles
 - silk sutures No. 0 & 2/0
 - Cotton wool swabs
 - 3 dressing towels
 - 1 scissors SP 5"
 - A pair of sharp pointed scissors
 - Stitch scissors
 - Speculum
 - Gauze swabs
 - 1 hand towel
 - 1 5 cc syringe
 - Needles curved cutting or round curved No. 14, 2 and 1

11. Renal Biopsy tray

- 2 kidney dishes
- 2 gallipots
- 1 dissecting forceps plain
- 2 blades No. 11
- 1 2 cc syringe
- 1 5 cc syringe Needles No. 14, 2, and 1
- 3 dressing towels
- 1 hand towel
- Cotton wool swabs
- Gauze swabs
- 1 artery forceps
- 1 set Renal Biopsy needles to follow with the tray

12. Delivery pack

- 1 Gallipot
- 1 Episiotomy scissors
- 1 Mayo scissors and razor blades
- 2 Artery forceps 7"
- 1 Cocker's forceps
- 1 big bowl sponge
- 2 small bowls ss
- 2 kidney dishes
- 2 artery forceps straight
- 1 dressing scissors
- 2 cord ligature
- 4 dressing towels
- 2 Maternity pads
- Cotton wool swabs
- Gauze swabs
- 1 hand towel
- 1 mucus extractor

13. Immunization tray

- Thermos flask
- Gallipot, kidney dish, dissecting forceps
- Syringes and needles - assorted

- Jet-gun puncture
14. **IVP tray**
- 1 19 g Needle
 - 1 kidney dish
 - 1 gallipot
 - 2 20 cc syringes
 - 1 2-5 cc syringe
 - Needles No. 14 or 12
 - Gauze swabs
 - 2 dressing Towel
15. **Vaginal examination tray (for patients in labour)**
- 1 Gallipot
 - 1 Kidney dish
 - 1 Pairs of sterile gloves
 - 1 Corkers forceps
 - 2 pairs of sterile pads
16. **Liver biopsy tray**
- 2 kidney dishes
 - 2 gallipots
 - 1 2 cc syringe
 - Needle No. 14, 2 or 1
 - 1 dissecting forceps plain
 - 1 BP handle No. 3
 - 2 blades No. 11
 - 1 10 syringe
 - 3 dressing towels
 - 1 hand towel
 - Cotton wool swabs
 - Gauze swabs
 - Menghin Needle
17. **Paracentesis tray**
- 2 kidney dishes (large)
 - 2 gallipots
 - 2 cc syringe
 - Needle No. 14, 2 or 1

- 1 BP Handle No. 3
- 2 blades No. 11
- 1 trochar and cannula
- 1 trochar and cannula 3 sets
- 2 rubber tubes small - medium to fit cannulae
- 1 clip
- 1 hand towel
- 3 dressing towels
- Gauze swabs
- Cotton wool swabs
- 18. **Bone marrow biopsy tray**
 - 2 kidney dishes (big)
 - 2 gallipots
 - 1 5 cc syringe OR
 - 1 10 cc Trephine Needle
 - Hypodermic Needles No. 1, 2 or 14
 - 2 blades No. 11
 - 1 sternal P. Needles KLIMA
 - 2 Bone marrow needles - puncture needle or trephine needle
 - 1 toothed dissecting forceps
 - 1 artery forceps
 - 3 curved needles cutting
 - Silk sutures No. 2/0 or 3/0
 - 2 dressing towels
 - 1 hand towel
- 19. **Oestrogen implant tray**
 - Syringe 10 cc
 - Needles 2
 - BP Handle No. 3
 - Needle holder No. 1
 - Artery forceps 1
 - KLIMAR 1
 - Galloped 1
 - Kidney dish 1
 - Gauze blade No. 11

20. Aspiration tray

2 kidney dishes

2 gallipots

1 pint measure

1 2 cc syringe

Needles No. 14, 2 and 1

1 20 cc syringe

Big aspiration needles (five various sizes)

1 stopcock

1 piece rubber tubing

1 BP handle No. 3

2 blades No. 10

3 dressing towels

1 hand towel

Cotton wool swabs

Gauze swabs

21. Pleural biopsy tray

2 kidney dishes

2 gallipots

2 artery forceps

1 Dissecting forceps plain

Abraham needle

1 2 cc syringe

Needles No. 14, 2, and 1

1 BP handle No. 3

2 blades No. 11

3 dressing towels

1 hand towel

Cotton wool swabs

Gauze swabs

22. Bladder wash out tray

1 bowl lotion

1 kidney dish

1 galloped

1 pint measure

- 1 bladder syringe
- 2 catheters jaques No. 16 and 18
- 3 dressing towels
- 1 hand towel
- Cotton wool swabs
- Gauge swabs
- 23. **Dressing tray**
 - 2 kidney dishes
 - 2 gallipots
 - 2 dressing forceps
 - 1 dissecting forceps plain
 - 6 cotton wool swabs
 - 4 Gauge swabs
 - 2 dressing towels
 - 2 dressing scissors
- 24. **General set (large)**
 - 6 Rampley sponge holding forceps
 - 6 Mayo towel clips forceps
 - 1 Pop scalpel handle No. 4
 - 1 Pop scalpel handle No. 3
 - 1 Pop scalpel handle No. 7
 - 1 McIndoes scissors
 - 1 Nelson scissors
 - 1 Mayo straight scissors
 - 1 Mayo curved scissors
 - 8 Kelly-Crile artery forceps curved
 - 4 Kelly-Crile artery forceps straight
 - 8 Spencer Wells artery forceps curved
 - 6 Spencer Wells artery forceps straight
 - 10 Overholt forceps
 - 6 Moynihan artery forceps curved
 - 4 Moynihan artery forceps straight
 - 6 Little Wood tissue forceps
 - 6 Allis tissue forceps 6"
 - 4 Mosquito artery forceps straight 5"

6 Mosquito artery forceps curved
6 Babcock forceps 6.5"
6 Babcock forceps 8"
2 McIndoes dissecting forceps
1 McDonald dissector
2 Lane dissecting forceps toothed 5.5"
2 Lane dissecting forceps non-toothed 7"
2 Dunhill dissecting forceps non-toothed 5.75"
2 Langenbeck retractor bed 0.5" x 1.75" x 8.25"
2 Morris retractor single length 9"
2 Kelly retractor length 10.5"
1 Pozzi abdominal retractor trivalve
2 Mayo-Hegar needle holder 7" long
2 Mayo-Hegar needle holder 5" long
6 Mayo-safety pin forceps holder
1 Denis Browne intestinal forceps - serrated grips
Catheterization tray
1 or 2 kidney dishes
1 or 2 gallipots
1 Urine receiver
Urethral catheters - various sizes and types
Spigot
Gloves
Gauze
Cotton swabs
Syringes 5-20 cc
Needles

25. **Intestinal surgery**

General set plus
2 Maingot intestinal forceps
6 Lane stomach holding forceps
2 Balasegaram liver clamp traumatic jaws 11"
1 Abadie twin anastomosis clamp set, consisting of 3 clamps
1 Payr intestinal clamp small
1 Payr intestinal clamp large

2 Walton gastroenterostomy clamps straight

2 Panet duodenal forceps

2 Denis Browne pylorus stretching forceps

26. Resuscitation kit

Endotracheal tube kit complete with accessories

Mouth gag

Tongue-holding forceps

Spatula

Hydrocortisone

Adrenaline

Syringes

Needles

27. Caesarean Section (LSCS)

1 Doyens retractor rectangular small

1 Doyens retractor rectangular moderate

1 Doyens retractor rectangular large

2 Umbilical scissors 100 mm

2 Episiotomy scissors 100 mm

2 Uterine scissors BP straight 230 mm

2 Uterine scissors BP curved 230 mm

10 Green-Armitage forceps straight UJ 20 cm

10 Green-Armitage forceps angled BJ 20 cm

1 Hyoma Doyens scissors from GS

1 Female catheter s-shaped silver from GS

12 Kochers BJ straight 17.5 cm from GS

12 Kochers BJ curved 17.5 cm from GS

6 Cord ligature tape cut - pieces of 6

2 Mucus extractor glass and tube set

28. Dilatation and Curettage

Ramplays sponge holding forceps from GS

Towel clips Backhaus BJ from GS

1 Auvards vaginal speculum retractor weighted

2 Sims vaginal speculum

2 Cuscos vaginal speculum

Silver metal catheter from GS

- 2 Heggars Dilator - set of 12
- 2 Polypus forceps
- 2 Singleys vaginal dressing forceps
- 2 Deschamps ligature needle
- 1 Uterine curetters Sims blunt/sharp DE
- 2 Wilson vulsellum forceps round end
- 2 Playfair uterine probe with bulb at the end - aluminium
- 2 Horrocks uterine sound - graduated
- 2 Sims uterine depressor
- 2 Ovule forceps McClintock
- 2 Nelson-Roberts long scissors from GS
- 2 Cervical biopsy forceps
- 2 Vulsellum forceps cvd 3 x 4 toothed DJ 17 mm
- 1 Provic intrauterine curettor with metal cone luer fitting
- 1 Shier's suriaco scraper SY

29. **Craniotomy (Simple)**

- 2 Bone levers lanes 230 mm
- 2 Bone levers Trethowan 215 mm
- 2 Tissue holding forceps lanes BJ 73/4
- 1 Tantalum ligating/suture forceps 7"
- 1 Potor's burr with metal handle size 5 EG
- 1 Hatson-Jones burr SS, metal handle size 10mm diam EG
- 2 Addison's Rongeur BJ 150 mm
- 2 Jansen Rongeur BJ 190 mm
- 2 Kerrison Rongeur 2 mm bite 3" shaft
- 2 Bone cutter McIndoes angled 170 mm
- 2 Bone-holding forceps Langenbeck 205 mm
- 1 Keller, Heath 40 mm
- 1 Janson luer multiple action joint gauge 7 1/2
- 1 Loxers chisels 7 mm
- 1 McDonalds dissector 190 mm from GS
- 1 Addisons dural dissecting forceps 1 x 2 toothed 5"
- 2 Lanes dissecting forceps 2 x 3 toothed 7"
- 1 Bone file and rasp
- 1 Uristows periosteal elevator sharp

- 1 Farabeute Elevator curved chisel edge
- 1 Farabeute Elevator straight chisel edge
- 1 Gigli saw 300
- 2 Gigli saw handles set of 2
- 2 McIndoes skin hooks 7 1/2 (19 mm)
- 2 Volkmann retractor 2 prong slip blade 1.3 cm
- 2 Kollicons retractor SR Cvd 165 mm
- 1 Jansen Retractor SR blunt 4 1/2" long
- 1 Horfork and Horwich retractor blunt 200 mm
- 1 Watson-Jones handle with "K" guide wire 3 mm
- 1 Cairn's dura guide and director malleable
- 1 Fraziers brain retractor - malleable finger control Bfg
- 1 Fraziers brain retractor finger control Bfg
- 1 Fraziers brain retractor finger control Bfg
- 2 Volkmann DE Bone curette 170 mm
- 30. **Thoracotomy (Emergency)**
 - 12 Roberts artery forceps cof 5/J 330 mm
 - Scissors Nelson lobectomy straight 230 mm from G.S
 - Scissors Nelson lobectomy straight 230 mm from G.S
 - 12 Tissue forceps Duval, Jawe 13 mm wide DJ 190 mm
 - 2 Howarth respiratory D.E 230 mm
 - 2 Allison lung retractor adult
 - 2 Allison lung retractor child
 - 2 Allison lung retractor infant
 - 2 Finochiolto rib retractor straight adult
 - 2 Finochiolto rib retractor straight child
 - 2 Roberts rib shear
 - 2 Tudor Edwards rib shear anterior
 - 2 Tudor Edwards rib shear posterior
 - 2 Tuttler rib approacher
 - 2 Baileys rib approximator 160 mm
 - Trochar and cannulae from GS
 - 1 Chest drainage tubes (large, medium, small)
 - 2 Underwater - seal drainage bottles

2 Connecting tubes and glass - rod from GS

NB: Appropriate instruments from G.S will be required.

31. **Relief of retention of urine**

Bougies Lister urethral bulbous 1 EG

- 1 Bougies Lister urethral bulbous 0/2 EG
- 1 Bougies Lister urethral bulbous 1/4 EG
- 1 Bougies Lister urethral bulbous 1/5 EG
- 1 Bougies Lister urethral bulbous 3/6 EG
- 1 Bougies Lister urethral bulbous 4/7 EG
- 1 Bougies Lister urethral bulbous 5/8 EG
- 1 Bougies Lister urethral bulbous 6/9 EG
- 1 Bougies Lister urethral bulbous 7/10 EG
- 1 Bougies Lister urethral bulbous 8/11 EG
- 1 Bougies Lister urethral bulbous 9/12 EG
- 1 Bougies Lister urethral bulbous 10/13 EG
- 1 Bougies Lister urethral bulbous 11/14 EG
- 1 Bougies Lister urethral bulbous 12/15 EG
- 1 Bougies Lister urethral bulbous 13/16 EG
- 1 Bougies Lister urethral bulbous 14/17 EG
- 1 Bougies Lister urethral bulbous 15/18 EG

Catheters

- 1 Catheter Kramer eustachian EP or Silver 7 FG
- 1 Catheter Kramer eustachian EP or Silver 8 FG
- 1 Catheter Kramer eustachian EP or Silver 9 FG
- 1 Catheter Kramer eustachian EP or Silver 10 FG
- 1 Catheter Kramer eustachian EP or Silver 11 FG
- 1 Catheter female round 6 EG
- 1 Catheter female round 7 EG
- 1 Catheter female round 8 EG
- 1 Catheter female round 9 EG
- 1 Catheter female round 10 EG
- 6 Foley catheter introducer sets
- 1 Female Catheter metal s-Shaped - from GS

32. Limb amputation (Emergency)

- 1 Langenbeck amputation knife 55 mm blade
- 1 Percy's amputation retractor with removable handles
- 1 Charrier's amputation saw 150 mm blade length complete with one blade saw size 12 mm
- 1 Spare blade saw size 10mm carbon steel
- 1 Bona file and rasp
- 1 Bona ribbers and cutters McIndoes from craniotomy set
- 1 Bona Rongeurs and gouges from craniotomy set
- 1 Bona holding forceps from craniotomy set

33. Tracheostomy (Emergency)

- Small general set
- 1 Tracheal dilator forceps with spring screw
- 1 Hook retractors sharp iteraon
- 1 Aneurysm needles with hook from GS
- 1 Tracheal hook, double, blunt
- 1 Heges Knot-Luer with metal handle
- 1 Tracheal - Hook, double, sharp point
- 1 Tracheal - Hook, single, sharp point
- 1 Tracheal - Hook, single, blunt point
- 1 Tracheostomy tubes Heges with shutter valve and plain inner tube, solid
- 1 Silver size 18
- 1 Silver size 20
- 1 Silver size 22
- 1 Silver size 24
- 1 Silver size 26
- 1 Silver size 28
- 1 Silver size 30
- 1 Silver size 32
- 1 Silver size 34
- 1 Silver size 36 French Catheter gauge complete with introducer

34. Sutures

Description	Needle length	Suture length	Gauge		Unit
Metric	Former				
Chromic catgut					
Chromic catgut sutures		1.5m	3	3/0	Box
Chromic catgut sutures		1.5m	3.5	2/0	Box
Chromic catgut sutures		1.5m	4	0	Box
Chromic catgut sutures		1.5m	5	1	Box
Chromic catgut sutures		1.5m	6	2	Box
TRAUMATIC CHROMIC CATGUT					
(H441) 1/2 Circle R.5 (Intestinal)	30mm	75mm	3.5	2/0	Box
(W565) 1/2 Circle T.P Exc. Ch (Gynae)	25mm	75mm	3.5	2/0	Box
(h420) CV.R.B (Intestinal)	40mm	75mm	3.5	2/0	Box
(646-51) 1/2 Circle T.P. (GEN CL)	40mm	67mm	3.5	2/0	Box
(545-63) 1/2 Circle T.P. (GEN CL)	37mm	67mm	4	0	Box

(707-61) 1/2 Circle T.P. (GEN CL)	27mm	67mm	4	0	Box
(707-61) 1/2 Circle T.P. Heavy (GEN O CL)	37mm	67mm	5	1	Box
BRAIDED SILK (XERSILK OR SILICON TREATED)					
(W202 1031-41) Braided Silk		1.8m	2	3/0	Box
(W203 1031-51) Braided Silk		1.8m	3	2/0	Box
(W204 1031-61) Braided Silk		1.8m	3.5	0	Box
(W205 1031-71) Braided Silk		1.8m	4	1	Box
(W191 1041-01) Braided Silk		1m	5	5	Box
(W333 1133-51) 1/20 RB (Intestinal)	30mm	75cm	3	2/0	Box
PLAIN CATGUT					
(W 103 5-51) Plain Catgut		1.5m	4	0	Box
(W 104-5-01) Plain Catgut		1.5m	5	1	Box
(W 105 5-71) Plain Catgut		1.5m	5	1	Box

VINYL COATED (BRAIDED)					
(W 9025)		1.5m	3	2/0	Box
(W 9026)		1.5m	3.5	0	Box
(W 9027)		1.5m	4	1	Box
SUTURE NEEDLE REGULAR EYE SS					
01/5102 Curved size 2 round bodied					P/12
01/5104 Curved size 4 round bodied					P/12
01/5106 Curved size 6 round bodied					P/12
01/5202 30 mm 1/2 circle round bodied					P/12
01/5204 30 mm 1/2 circle round bodied No. 4					P/12
01/6202 35 mm 1/2 circle trochar point, heavy					P/12
Curved cutline needle extra large size for skin closure					P/12
01/62 1/2 circle R. B. W/ Diamond point					P/12

01/6012 Straight cutting needle					P/12
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Appendix C

Application for registration/re-registration of a health facility

[Editorial note: The forms have not been reproduced.]