

Republic of Kenya

# KENYA ESSENTIAL MEDICAL SUPPLIES LIST 2023

## **Kenya Essential Medical Supplies List 2023**

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## Foreword



The Government of Kenya has consistently made commitments towards improved health of the population since the country gained independence in 1963. This commitment has been renewed in the current constitutional, developmental and health policies and strategic plans. The documents, namely, the Constitution 2010, Vision 2030, the Kenya Health Policy, 2018 - 2030 and the Kenya Health Sector Strategic Plan II all have explicit strategies and plans for health improvement. Recent calls for a return to strengthened primary health care through implementation of Universal

Health Coverage (UHC) is the latest ambitious thrust to attaining quality, accessible and equitable healthcare for the people of Kenya. Kenya joins the global community in recognizing and working towards achieving sustainable development by securing the health of its people.

The Kenya Essential Medical Supplies List 2023 (KEMSL) is published in this context of working towards attainment of the highest standards of health for the population. Kenya, like the other member states of the WHO, acknowledged and adopted the concept of essential medicines as a powerful tool for increasing access to healthcare. The concept of essential medicines is predicated on three key issues; that they satisfy the priority health care needs of a population i.e. they address prevalent diseases and have public health relevance; are of proven efficacy and safety in use, and, provide comparative cost-effectiveness.

Used appropriately, essential medicines, health products and technologies (EM-HPTs) are a cost-effective measure in the face of rising costs of healthcare. Appropriate use of essential medicines demands that they be used in conjunction with essential medical supplies and the right diagnostics. In a functional health system, EM-HPTs are intended to be available at all times, in the appropriate presentation formats, of assured quality and affordable prices for both individuals and health systems. Kenya has systematically developed Kenya Essential Medicines List (KEML), Kenya Essential Medical Supplies (KEMSL) and the Kenya Medical Laboratory Commodities List (KEMLCCL) in accordance with the dictates and principles of the essential medicines concept. As best practice, all the three lists have been reviewed and updated in concurrence with the revised Clinical Practice and Referral Guidelines 2023, the MOH guideline for management of public health concerns in Kenya.

The KEMSL 2023 has been developed in the ecosystem of the current national health policies and strategic direction, changing and emerging disease patterns, advances in technology and the underlying commitment to patient centered, high standards of and equity in healthcare. It will guide and inform procurement of medical supplies, providing standards across the public, profit and not-for-profit sub-sectors of health. It will be of special use, particularly, for the devolved units where human resource capacity may be limited and technical guidance for procurement is crucial. KEMSL 2023 will also be a relevant tool for monitoring implementation of policies and strategies intended to improve access (availability, affordability) to and quality use of essential medicines and health supplies and technologies as the country ramps-up efforts towards achievement of UHC.

I therefore recommend the committed and consistent use of the KEMSL by all concerned health professionals and managers. Further, I urge them to give feedback and proposals on how to best improve it in future amendments.



**Nakhumicha S. Wafula**  
**Cabinet Secretary**  
**Ministry of Health**

## Preface



Kenya's health goal is to provide universal health coverage to her people through provision of a UHC Benefits Package. The package contains a portfolio of services, procedures and health products & technologies. The Ministry of Health considers essential health products and technologies (medicines, medical supplies and laboratory commodities) a core component of the UHC Benefits Package. Selection of essential health products is undertaken through a robust and scientific process which takes careful consideration of the efficacy, safety, quality and cost-effectiveness of the selected items. The principles and concepts of selecting the products to be included in the package are in drawn from the essential medicines concept whose aim is to provide optimum therapeutic outcomes while maximizing the available resources. The products included in the Package are primarily derived from the recently reviewed Treatment Guidelines therefore represent best practice to promote quality, uniformity and equity in healthcare provision.

Revision of the KEMSL ensures it continues to be relevant within the context of a functional health system i.e. that the products are available at all times, in adequate amounts, in the appropriate presentation, are of assured quality and at a price that both the individual and community can afford. This revised version of the KEMSL 2023 gives both the national and county governments an opportunity for priority setting in procurement for optimized efficiency of the health budget.

The KEMSL 2023 is a valuable tool for training and supportive supervision of field staff and monitoring implementation of health policies. Adequate information for proper utilization of products, to both health care providers and the population, will be more consistently shared.

The KEMSL 2023 was developed through a well-structured, consultative process, steered by the National Medicines and Therapeutics Committee, with the Division of Health Products and Technologies (DHPT) serving as the Secretariat, in collaboration with relevant stakeholders. The review was a multi-step and collaborative process as guided by the NMTC, the coordinating mechanism charged with the development or review of essential health products and technologies lists. The process involved:

- Formation of a KEMSL TWG with a designated chair, formally appointed by the Director General of Health, the chair of the NMTC;
- Engagement of a consultant to guide the process by defining the scope of the review and developing key questions to ensure a systematic, scientific and evidence-based review.
- Internal and external validation through discussions and consensus building of evidence with a wider stakeholder team;
- Launch and dissemination

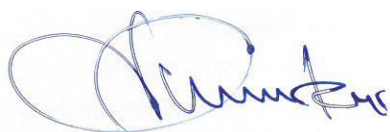
The entire process was coordinated by the National Medicines and Therapeutics Committee (NMTC) and specifically, the sub-committee on HPT lists and National Formulary.

The key references for the review comprised the national clinical practice guidelines as well as priority diseases programme management protocols, national health policies, legal and strategic documents and guidelines all of which are anchored in the country's developmental and constitutional structures i.e. Vision 2030 and the Constitution.

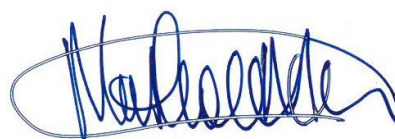
In accordance with the WHO essential medicines concept, it is envisaged that the KEMSL will be periodically revised; Kenya has determined a three-yearly review. Feedback from users will be captured and submitted in a designated format. Additional information will be obtained during supportive supervision activities and also from quality assurance sources such as post-market surveillance reports.

Information in the KEMSL 2023 is presented in a tabular format carrying four categories (Sections) of medical supplies, namely, general medical supplies, imaging supplies, rehabilitative care and assistive technologies and oral health supplies. All these supplies are selected on the basis of public health relevance. The Level of Use (LOU) indicates the lowest level at which the product should be made available and appropriately used and is determined by the kind of service to be provided.

The national and county governments should ensure access to the portfolio of services and essential health products and technologies contained in the UHC Benefits Package are availed to the population. Adequately resourcing health care is a prerequisite to improved health outcomes. The newly updated KEMSL 2023, being a tool for supporting safe, effective, quality and cost-effective essential HPT, should be intentionally utilized as a crucial resource in providing quality health care.



**Harry Kimtai, CBS  
Principal Secretary  
State Department of Medical Services**



**Ms Mary Muthoni Muriuki, HSC  
Principal Secretary  
State Department of Public  
Health & Professional Standards**

## Acknowledgements



The KEMSL 2023 was produced by the Ministry of Health with coordination provided by the National Medicines & Therapeutics Committee and technical contributions by the KEMSL Technical Working Group, healthcare providers from health facilities and directorates at the county, national and referral hospitals. Specialists from the public, private and faith-based facilities made submissions for inclusion into the list. And reviewers gave considered expert opinion of the document and the process. I extend sincere gratitude to all these contributors

for their tireless effort in diligently and systematically carrying out this arduous task. I also acknowledge the technical leadership of the consultant on board.

I wish to gratefully acknowledge the unstinting financial and technical support provided by the Program for Appropriate Technology in Health (PATH) and Lwala Community Alliance.

A handwritten signature in blue ink, which appears to read "Patrick Amoth". The signature is fluid and cursive.

**Dr. Patrick Amoth, EBS**  
**Director General for Health**

## Abbreviations & Acronyms

COI	Conflict of Interest
DHPT	Division of Health Products & Technologies
EMC	Essential Medicines Concept
EMS	Essential Medical Supplies
HPTs	Health Products & Technologies
KEML	Kenya Essential Medicines List
KEMLCL	Kenya Essential Medical Laboratory Commodities List
KEMSA	Kenya Medical Supplies Authority
KEMSL	Kenya Essential Medical Supplies List
KEPH	Kenya Essential Package of Health
LOU	Level of Use
MOH	Ministry of Health
MTC	Medicines and Therapeutics Committee (County/Institutional)
NDP	National Drug (Medicines) Policy
NMTC	National Medicines & Therapeutics Committee
PATH	Program for Appropriate Technology in Health
PHC	Primary Health Care
SOP	Standard Operating Procedures
TOR	Terms of Reference
TWG	Technical Working Group
UHC	Universal Health Coverage
WHO	World Health Organization



## Terms used in the Document

Ang:	Angled
Bl:	Blunt
Cm:	centimeters
curv:	Curved
Dia:	Diameter
ECG:	Electrocardiogram
ENT:	Ear Nose Throat
fcp:	Forceps
FG:	Friction Grip/French Gauge
FHR:	Foetal heart rate
g:	gram
G:	Gauge
H:	Height
HP:	Hand Piece
L:	Length/Litres
LCD:	Liquid Crystal Display
LED:	Light Emitting Diode
mm:	millimeters
NIBP:	Non-Invasive Blood Pressure
pc/pcs:	Piece/pieces
PGA:	Polyglycolic Acid suture
pkt:	packet (s)
PR:	Pulse rate
RA:	Right Angle
RBN:	round body needle
RCN:	Reverse cutting needle
RESP:	Respiration
Rpm:	revolutions per minute
Serr:	Serrated
SFR:	Special Function register
SPO <sub>2</sub> :	Oxygen saturation
ss:	Stainless steel
str:	Straight
std:	Standard
TAN:	Titanium
TEMP:	Temperature
w/o:	Without
w:	Width
“:	inch(es)

## Background

Access to essential medicines, health products and technologies is a globally accepted strategy towards reduction of gaps in prevention and management of ill health. It is recognized as an enabler to the achievement of sustainable development goals through minimizing out of pocket health expenditure while availing quality and equitable healthcare to a population. For over four decades, WHO has advised on the selection and procurement, at reasonable cost, of essential medicines of established quality corresponding to the national health needs of a nation. This advice is encapsulated in the Concept of Essential Medicines, whose principles are applied in selection of all health products and technologies including medical supplies. Essential medicines are defined as those that satisfy the priority healthcare needs of a given population. Essential medical supplies (EMS) are, therefore, complementary to the medicines and diagnostics identified as essential for management of public health concerns. They are systematically selected, using an evidence-based process, with due regard to the most prevalent health conditions as captured in the national clinical practice guidelines and Formularies. They demonstrate:

- Clear evidence of efficacy and safety in use;
- Comparative cost-effectiveness
- Availability in a functional health system (availability referring to both geographical and physical access),
- Acceptability in terms of formats and presentations for local use,
- Assured quality and adequate information for users,
- Affordability of price for individuals and communities.

### **a) The National Medicines and Therapeutics Committee**

The MOH has adopted a systems approach to regular and consistent reviews of essential HPTs lists by establishing a National Medicines and Therapeutics Committee (NMTC). The NMTC is the designated coordinating body for the development and review of all essential health products and technologies lists, among its other roles that support EM-HPTs. It also guides the health system in the manner of utilization of the same. The first NMTC was established following the development of the Kenya National Drug Policy in 1994, but it did not thrive in the absence of legal and policy structures to support it. The current NMTC was re-constituted in July 2019 with clearly defined responsibilities.

To effectively respond to its mandate, the NMTC has three sub-committees:

#### ***i) Health products and technologies Management Sub-Committee which:***

- Develops policies on clinical governance and rational use of essential HPTs
- Develops standards including guidelines and SOPs
- Facilitates capacity building for HPTs
- Supports county and institutional MTCs
- Advocates on the role, importance and support of NMTC.

#### ***ii) Clinical Guidelines Sub-Committee***

- Develop/review and update relevant appropriate use clinical guidelines
- Develop guidelines for operational and innovative research on HPTs.

### **iii) Develop/review and update national essential HPT lists.**

The NMTC is also responsible for the dissemination, advocacy and information, education and communication (IEC) for the essential HPTs lists. The Division of Health Products and Technologies (DHPT) serves as the Secretariat for the NMTC.

The third sub-committee led the review process of the KEMSL in fulfilment of its mandate.

## **b) Purpose of the KEMSL 2023**

The revised KEMSL will serve many purposes:

- It is a key healthcare financing tool for the government and funding partners providing an evidence base for budgeting.
- Useful in determining health insurance and reimbursement schemes;
- A guide for public, faith-based and private sectors procurement management offering opportunity for price information and control;
- An EMS List offers a basis for better control of donations, particularly during emergencies;
- As the best option for enhanced regulatory activities whether in importing, exporting local production, quality monitoring and post market surveillance;
- As a basis for prioritizing local manufacturing decisions.

## **c) Benefits of Essential Medical Supplies List (EMSL)**

In applying the essential medicines concept, a dual priority is set: the priority health conditions are managed with a limited list of EMS. The benefits of this selection are a uniform approach to health care, better informed users, better management of medical supplies (procurement, distribution, storage) and maximization of health resources. These benefits are specifically demonstrated in:

- Improved management of the supply chain: efficiencies in procurement; stock management, easier requisitioning and issuance. This is of particular significance in the reality of human resource constraints in Kenya and other LMICs;
- Better informed prescribers and end-users of available EMS;
- Potential cost reduction through economies of scale, supplier confidence and price negotiation;
- Focused patient education on the EMS for home use.

## **d) KEMSL Review Process**

The review entailed a consultative, multi-step process conducted in accordance with the “Guideline for the Review of Essential Lists for Health Products and Technologies” (Guideline) document, developed by the DHPT for this purpose. It was initiated through the appointment of a KEMSL TWG which was chaired by the Directorate of Nursing. A consultant, recruited through support of Program for Appropriate Technology in Health (PATH), provided technical and procedural guidance for the review. The TWG had clear Terms of Reference (TORs) as contained in the Guideline (Appendix 2).

The KEMSL under review was developed in 2016 and none of the current members of the TWG was party to that process. The TWG held four Workshops: the first one included its induction into the work and capacity building to orientate members to the essential medicines concept and the accompanying principles for systematically and scientifically reviewing the essential medical supplies list.

The key questions addressed in each workshop checked on the adequacy of the list with reference to acceptability and performance; the right presentation/form; challenges in availability, acceptability, affordability; quality for the users and availability on the market of comparable, innovative products. The TWG also considered the main alternatives available and what an update will accomplish, measure, improve or affect. Each workshop built on the work of the previous one, through a cyclic process of addition, deletion or modification of the products; consolidation of findings, further review and validation of inputs and feedback from external and internal stakeholders and finally consolidation and presentation to county and national directors of health for approval, printing and dissemination. Appendix 3 documents the references the TWG used for evidence in modifying KEMSL 2016 to produce KEMSL 2023.

### e) Presentation of the KEMSL 2023

The list has four sections of essential supplies:

- A) General medical supplies;
- B) Radiological supplies;
- C) Rehabilitative care supplies;
- D) Oral health supplies & devices.

Each section is laid out as:

Section #	Item Name	Description	LOU
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The level of use (LOU) refers to the KEPH levels per KHSSP II:

- 1= Community
- 2=Dispensary
- 3= Health Center
- 4=Sub-County hospital
- 5=County Referral Hospital
- 6=National Referral Hospital.

### f) Recommendations for Future KEMSL Review and Revision

- The “Guideline for The Review of Essential Lists for Health Products and Technologies should be applied in full” to ensure required resources (timelines, budgets) are available.
- Periodicity: Review the national clinical management and referral guidelines regularly to facilitate alignment of the KEMSL to national public health relevance in order to realize the full benefits of evidence-based healthcare.
- Create and improve awareness and application of essential medicines principles, especially in preparation of clinical guidelines, selection decisions for essential medicines lists and formularies development/review.
- Request for written amendment proposals backed up by scientific justification; facilitate greater involvement of general and key stakeholders, publish announcements of the process, invite submissions and amendment proposals on the Ministry of Health website.
- Early, scheduled appointment and induction of the KEMSL TWG in preparation for the review process.

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
<b>1. Bags</b>			
1.1	Bag, colostomy	Re-usable	2
		a) Child 180mmx150mm	
		b) Adult 280mmx160mm	
1.2	Bag, dialysis collection	a) Neonatal	4
		b) Child	
		c) Adult	
1.3	Bag, bicarbonate	For haemodialysis (650g)750g	4
1.4	Bag, enteral feeding	With administration set (1.2L)	4
1.5	Condom	a) Female	2
		b) Male	2
1.6	Penile sheath (uridome)	a) Small	3
		b) Medium	
		c) Large	
1.7	Urine collector bag	Infant graduated, 100ml	3
1.8	Urine bag	Graduated, with inlet & Outlet-2L	2
<b>2. Catheters and Cannulas</b>			
2.1	Cannula, IV	a) 26G	2
		b) 24G	
		c) 22G	
		d) 20G	
		e) 18G	
		f) 16G	
2.2	Catheter, Foley's, 2-way with silicon material	a) CH04	3
		b) CH06	
		c) CH08	
		d) CH10	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Catheter, Foley's, 2-way with silicon material	e) CH12	3
		f) CH14	
		g) CH16	
		h) CH18	
		i) CH22	
		j) CH24 (The amount of fluid to inflate is dependent on the manufacturer's instructions)	
2.3	Catheter, Foley's, 3-way	a) CH18	3
		b) CH20	
		c) CH22	
		d) CH24	
2.4	Catheter, Nelaton	a) FGo8	2
		b) FG14	2
		c) FG16	
		d) FG18	
2.5	Catheter, subclavian, 3-way	<i>Adult:</i>	3
		a) 12G	
		b) 14G	
		c) 16G	
		d) 18G	
		e) 20G	
		f) 22G	
		g) 24G	
		<i>Paediatric</i>	
		a) 3FR	
		b) 4FR	
		c) 5FR	
		d) 6FR	
		e) 8FR	
f) 10FR			

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	Catheter, subclavian, 3-way	g) 12FR	3
		g) 14FR	
2.6	Catheter, umbilical	a) Arterial	4
		b) Venous	
2.7	Catheter, Tenkhoff	a) Child	4
		b) Adult	
2.8	Catheters, Angiographic	a) Radio opaque pigtail	4
		b) Radio opaque straight	
2.9	PICC catheter, peripherally inserted central catheter	a) 2FR	4
		b) 3FR	
		c) 4FR	
<b>3. Gloves</b>			
3.1	Gloves, Latex,	Examination, powdered single-use	2
		a) Small	
		b) Medium	
		c) Large	
3.2	Gloves, latex,	Examination, powder free, single use	2
		a) Small	
		b) Medium	
		c) Large	
3.3	Gloves, latex free,	Examination, single use	2
		a) Small	
		b) Medium	
		c) Large	
3.4	Gloves, Nitrile	a) Small	4
		b) Medium	
		c) Large	
3.5	Gloves, gynaecological Powdered	a) 6.5	2
		b) 7.0	
		c) 7.5	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
		d) 8.0	2
3.6	Gloves, heavy duty	a) Small	2
		b) Medium	
		c) Large	
3.7	Gloves, surgical, sterile, single-use	a) Size 6.0	
		b) Size 6.5	
		c) Size 7.0	
		d) Size 7.5	
		e) Size 8.0	
3.8	Gloves, Autoclavable	Heat resistant up to 250 °C, water proof, 11" Gauntlet cuff	2
		a) Small	
		b) Medium	
		c) Large	
<b>4. Injection Supplies</b>			
<b>4.1 Needles</b>			
4.1.1	Needle, bone marrow	a) 11G 4"	4
		b) 11G 6"	
		c) 13G	
		d) 15G	
		e) 25G	
4.1.2	Needles, Nerve block	a) 22G x 50mm	4
		b) 22G x 100mm	
		c) 22G x 150mm	
4.1.3	Needle, Hypodermic, disposable	a) 23G	2
		b) 21G	
4.1.4	Needle, Automatic biopsy gun	a) 14 x 10cm	4
		b) 14 x 20cm	
		c) 16 x 10cm	
		d) 20 x 20cm	
4.1.5	Epidural kit	Assorted needle sizes	4



<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
4.1.6	Needle, Arterio Venus fistula (AVF)	a) 14G	4
		b) 15G	
		c) 16G	
		d) 17G	
4.1.7	Needle, intraosseous	a) Child	4
		b) Adult	
4.1.8	Needle, scalp vein	a) 23G	2
		b) 25G	
4.1.9	Needle, spinal	a) 25G (90mm) b) 25G 0.5 X 103-120mm with introducer	3
		b) 22G (90mm)	
4.1.10	Needles, Hypodermic, Huber point for Chemo port access	a) 19G	4
		b) 20G	
		c) 22G	
		d) 24G	
<b>4.2 Syringes</b>			
4.2.1	Syringe, disposable without needle	a) 2ml	2
		b) 5ml	
		c) 10ml	
		d) 20ml	
		e) 50 ml	
		f) 60 ml – Luer slip for feeding	
		g) 60ml- Short Nozzle	
4.2.2	Syringe, disposable without needle (Luer lock)	a) 2ml	4
		b) 5ml	
		c) 10ml	
		d) 20ml	
		e) 50ml	
		f) 60ml	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
4.2.3	Syringe, disposable, with needle (re-use prevention)	a) 2ml, 23G b) 5ml, 21G c) 10ml, 21G	2
4.2.4	Syringe, insulin 1ml,	Needle G29	2
	Syringe, insulin 0.5ml	Needle G31	
	Syringes, insulin 1ml	Needle G31	
4.2.5	Syringe Vaccination, BCG, disposable, With needles	0.05ml	2
		0.1ml	
4.2.6	Syringe vaccination & disposable with needles	0.3ml	2
		0.5ml	
<b>4.3 Infusion supplies</b>			
4.3.1	Blood giving set	Double chamber	3
4.3.2	Giving set, with burette, 100-150mL	a) blood- Medical grade PVC, filter of 15 microns, rubber floater, bevel spiked tip, soft double chamber graduated, transparent, 60 drops per ml, sterile, disposable sliding luer lock, individually packed	3
		b) IV fluids	3
4.3.3	Infusion giving set	IV fluids, with air inlet	2
4.3.4	Infusion set	With flow regulator	3
4.3.5	Stopcock	3-way	3
4.3.6	Perfusor line	150cm tubing	3
<b>4.4 Other Injection Supplies</b>			
4.4.1	Pre-injection alcohol swab	Pack of 200	2
<b>4.5 Renal Supplies</b>			
4.5.1	Acid concentrate lymph	3. 8 L	4
4.5.2	Citric Acid	0.2 L	4
4.5.3	Dialysis site dressing	10x25cm	4
4.5.4	Dialyzer	a) Low flux :< 10ml/ min clearance	4
		b) High flux: 10-50ml/ min clearance	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
4.5.5	Disinfectant	Contents (peracetic acid, acetic acid, hydrogen peroxide and water)	4
4.5.6	Haemodialysis bloodlines	Arterial/venous blood tubing set	4
4.5.7	Catheters Permanent	14.5Fx 28cm	4
4.5.8	Catheter Temporary	11.5F x14.5cm	4
4.5.9	Peritoneal dialysis, adapter	a) Neonate	4
		b) Child	
		c) Adult	
4.5.10	Y-line, peritoneal dialysis	a) Neonatal	4
		b) Child	
		c) Adult	
<b>5. Masks</b>			
5.1	Mask	Anaesthetic, economy, reusable	4
		Sizes 1,2,3,4,5	
5.2	Mask, Anaesthetic filter	Disposable, in-line, HME	4
		a) Child	
		b) Adult	
5.3	Mask, oxygen Face mask	a) Neonate	2
		b) Child	
		c) Adult	
5.4	Mask, N95	Without respirator, approved for medical and public health use. Non-friable filters, cup shaped with firm nose bridge, firm straps, 4-5 ply.	2
5.5	Mask, surgical 3ply	Disposable, 3 ply with quality, non-friable filter, inner and outer non-woven materials	2
5.6	Mask, Nebulizing	a) Adult	2
		b) Child	
		c) Infant	
5.7	Mask, Oxygen Non-Rebreather	a) Neonate	2
		b) Child	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	Mask, Oxygen Non-Rebreather	c) Adult	2
5.8	Mask, Venturi	Colour coded flow rates	3
<b>6. Maternal &amp; Newborn Supplies</b>			
6.1	Absorbent Material for Incontinence	Waterproof material 60cm x 120cm	3
6.2	Clamp, cord	Easy to apply with a safe security lock	2
6.3	Cup & Spoon	For ORS	2
6.4	Diapers-Paediatric	2.4 - 4.2kg	2
		3 - 6kg	
		5 - 9kg	
		9 - 14kg	
6.4	Diapers Adults	Medium	2
		Large	
		X-Large	
6.5	Disposable Bivalve speculum	Small	2
		Medium	
		Large	
6.6	Individualized Birth Plan Pack	Contains: surgical blade with handle, surgical gloves size 7, cord clamp, cotton wool, maternity pad	2
6.7	Kangaroo Sling	100% Cotton material, Large size 160cm X 240cm	2
6.8	Maternity pad	26cm x 9cm x 1cm	2
6.9	Orange sticks	Wooden	2
6.10	Pap smear kit	Contains: Cervical brush, cyto-brush, cervical spatula, microslide, swab stick, Fixative Jacket, patient label, speculum	2
6.11	Patient Identification Band	a) Adult	2
		b) Child	
		c) Neonate	
6.12	Tongue depressor	Flat, thin, wooden blades, rounded at both ends	2

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
6.13	UBT (uterine balloon tamponade)	a) Fixed volume e.g., Condom catheter UBT	2
		b) Free Flow System UBT	
<b>7.0 Oropharyngeal Airways</b>			
7.1	Oropharyngeal airway (OPA, Guedel)	a) Size 000	3
		b) Size 0	
		c) size 1	
		d) Size 2	
		e) Size 3	
		f) Size 4	
		g) size 5	
		semi rigid polyethylene, size on each piece, curved on distal end with soft rounded edge with proximal straight end and re-enforced. Firm with smooth insertion tip, sterile and individually packed.	
7.2	Airway laryngeal mask	a) No 2	3
		b) No 2.5	
		c) No 3	
		d) No 4	
<b>8. Sterilization Items</b>			
8.1	Sterilization closure bag	Self-adhesive closure	2
		a) Small: 90mm x 15 cm	
		b) Large: 140mm X 25cm	
		c) Extra Large: 190mm X 30cm	
8.2	Tape, autoclave	19mm x 55m	2
8.3	Steam Indicator strip	4" L x 1.25" W x 1.5" H. Non-reversible color change	2
<b>9. Blades</b>			
9.1	Blade, skin grafting	Dermatone disposable	4
9.2	Blade, surgical with handle	a) Size 11	2
		b) Size 15	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	Blade, surgical with handle	c) Size 22	2
		d) size 23	
		e) Size 24	
9.3	Blade, surgical without handle	a) size 11	2
		b) size 15	
		c) size 22	
		d) size 23	
		e) Size 24	
9.4	Knife, skin grafting	a) Dermatone disposable	4
		b) keratome disposable	
<b>10. Bandages and Dressings</b>			
10.1	Adhesive felt	5mm	4
10.2	Bandage, cotton, loose woven (WOW)	7.5cm x 4.5m	2
		5cm x 4.5m	
10.3	Bandage, crepe, elastic	a) 10cm x 4.5m	2
		b) 15cmx4.5m	
		c) 20cm x 2.75m	
10.4	Cotton gauze	a) Plain, 90cm x 90m, roll	2
		b) X-ray detectable,	4
		90cm x 90m, 1,500g	
10.5	Cotton wool	Roll 400g	2
10.6	Dressing, adhesive	7.5cm x 4.5m	2
		5cm x4.5m	
10.7	Dressing, haemostatic, absorbable	a) 1" x 2" (10)	4
		b) 2" x 4" (10)	
		c) 4" x 4" (10)	
10.8	Dressing, IV cannula, adhesive	4.4 x 4.4cm	3
		7 x 9cm	
10.9	Dressing, paraffin gauze	10cm x 10cm	2

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
10.10	Dressing; Regulated Negative Pressure Therapy (RNTP)	Tension relief system closure and oxygen irrigation assisted negative pressure therapy	4
10.11	Eye pad	Sizes: 5cm x 7.5cm	3
10.12	Eye Shield	Size: 5cm X 7.5cm	3
10.13	Hernia mesh/proline mesh	a) 6 x 11cm	4
		b) 15 x15cm	
		c) 30x30cm	
10.14	composite dual mesh (Prolene and monocryl)	a) 15 x15cm	4
		b) 30x30cm	
10.15	Orthopaedic Undercast padding	100 percent	3
		Natural cotton wool	
		a) 5cm by 2.7m	
		b) 7.5cm by 2.7 m	
		c) 10cm by 2.7m	
		d) 15cm by 2.7m	
e) 20cm by 2.7m			
10.16	Plaster of Paris bandages	Fast setting	3
		Extra Fast setting	
		Ultra-fast setting	
		a) 5cm by 2.7m	
		b) 7.5cm by 2.7 m	
		c) 10cm by 2.7m	
		d) 15cm by 2.7m	
e) 20cm by 2.7m			
10.17	Ribbon gauze	10cm by 200cm	4
10.18	Adhesive Skin Traction kits	a) Adult size	4
		b) Paediatric Size	
10.19	Stockinette bandage elastic (Tubular gauze)	Elastic rolls	3
		a) 2 inches	
		b) 3 inches	
		c) 6 inches	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
10.20	Synthetic casting tapes	a) 7.5cm x 4.6m	3
		b) 10cm x 4.6m	
		c) 15cm x 4.6m	
10.21	Prelude prefabricated slabs	Prefabricated thermal material	3
10.22	Tape, surgical, porous, adhesive	2.5cm x 5m (transparent)	2
10.23	Wound dressing -post operative Hydrofibre dressing	3 – 6 x 15 - 25 cm	3
		Sterile, highly absorbent, low adherence to wound on the contact layer, conformable with the adherent borders.	
10.24	Zinc oxide strapping	a) 5cm x 4.5m	2
		b) 7.5cm x 4.5m	
		c) 10cm x 4.5m	
		d) 15cm x 4.5m	
10.25	Elastoplast	Water proof	2
		Strong adhesion	
		6cm x 10cm	
<b>11. Sutures</b>			
11.1	Suture, polyglactin	a) No.9/0, 6.5mm micropoint- spatula, 15cm	4
		b) No.7/0, 11mm precision point reverse cutting, 45cm	3
		c) No.5/0, 19mm ½C RBN, 75cm	
		d) No.4/0, 26mm ½C RBN, 75cm	
		e) No.3/0, 36mm ½C RBN, 75cm	
		f) No.2/0, 45mm ½C RBN, 75cm	
		g) No.0, 45mm ½C RBN, 75cm	
		h) No.1, 45mm ½C RBN,75cm	
		i) No.1, 45mm ½C RCN,75cm	
		j) No.2, 45mm ½C RBN x 90cm	
		k) No 2,45mm ½c RCN,75cm	



## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Suture, polyglactin	l) No.2/0, 45mm ½C RCN, 75cm	3
		m)No 2 90cm, 45mm ½C RCN	
		n) No 2/0 75cm, 40Mmm ½ C RCN	
		o) No 3/0 75cm, 26mm 3/8 C RCN	
		p) No 3/0 75cm, 26mm 3/8 C RCN	
		q) No 3/0 75cm, 26mm 3/8 C RCN	
		r) No. 4/0, 75cm 16mm 3/8C RCN	
		s) No.5/0, 45cm 17mm 3/8 C RCN	
		t) No 3/0 75cm, 22mm ½C RBN	
		u) No 1 75cm, 40mm ½C RBN	
		v) No.1 40mm, 90cm ½circle RCN	
		w) No 1 100cm, 65Mm 3/8 Circle Blunt	
		x) No 1 30-35mm RB needle1/2C,75cm	4
11.1.2	Polyglactin braided	No.2, 45mm ½c, 75cm RBN/TAPER POINT. Black braided	3
		Suture Braided Polyglactin 910 No. 1 RB/TC 40mm (Double arm) Heavy ½C 180cm	
		OB KIT –Braided coated Polyglactin 910 No 1, double arm heavy ½ circle round body and ½, taper cutting 40mm 180 cm Plus 3/0 poliglecaprone 25mm undyed 3/8 circle 70cm cutting	
11.1.3	Suture, polyglactin coated	a) No 2 ½C48mm 75cm RCN	3
		b) No 2 ½C45mm 75cm RBN	
		c)No 2/0 ½C40mm 75cm RBN	
		d)No 2/0 ½C31mm 75cm RBN	
		e) No 2 /0 ½C 36mm 90cm TCN	
11.2	Suture, polyglycolic acid	a) No.3/0, 36mm ½C RBN, 75cm	3
		b) No 3/0 26mm 3/8C RCN,75cm	
		c) No.2/0, 40mm ½C RBN, 75cm	
		d)No2/0,75cm ½C 40mm RBN	
		e) No 2 ,45mm RBN1/ 2c 75CM	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	Suture, polyglycolic acid	f) No.0, 45mm ½C RBN, 75cm	3
		g) No.1,45mm ½C RBN,75cm	
		h) No.3/0, 36mm ½C cutting, 75cm	
		i) 2/0 90cm, ½C 36mm RCN	
		j) No 4/0 ,75cm ,22mm ½ Circle RBN	
11.3	Suture Silk	a) No.2 45mm x75cm1/2circle RBN/ tapper point. Black braided	3
		b) No,3/0 ,20mm ½c RBN 75cm	3
11.4	Polyethylene tape/suture	5mm 36cm	4
11.5	Suture, Polyglactin	a) No.2 ,45mm ½c,75cm RBN/TAPER POINT. Black braided	4
11.6	Poliglecaprone Suture	No 3/0,26mm 3/8c,75cm RCN	3
11.7	Suture Polydioxanone (pds)	a) No.1, Loop 150 Cm, ½ Circle, 40mm RBN	3
		b) No 3/0, 22mm ½ Circle 75cm RBN	
<b>Non-absorbable Sutures</b>			
11.8	Suture, nylon	a) No.10/0, 6.5mm micro-point- spatula needle, 10cm	3
		b) No.2/0, 40mm ½C RCN, 75cm	
		c)No,3/0 ,20mm ½c RBN 75cm	
		d)No 1 ½ c 48mm, 100cm RCN	
		e) No 9/0, 30Cm, 6.5Mm 3/8C	
		f) No 10/0, 30Cm, 6.5Mm ½ C	
		g) No 2/0, 3/8 Circle,45mm,100cm RCN	
		h) No.2/0,3/8 Circle, 36Mm. 90Cm RCN	
		i)No 1 75Cm, 40Mm 3/8 C RCN	
11.9	Suture, polypropylene	a) No.4/0, 22mm ½C RCN, 75cm	3
		b) No 3/0 75cm ½C 22mmRBN	
		c)No 3/0 90Cm ½C 26Mm-RBN, Double armed	
<b>12. Tubes</b>			

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
12.1	Nasal prongs single-use (with tubing)	a) Neonatal	2
		b) Child	
		c) Adult	
12.2	Nasopharyngeal airway	a) Size 3	2
		b) Size 4	
		c) Size 5	
		d) Size 6	
		e) Size 7	
		f) Size 8	
		g) Size 9	
12.3	Tube, endotracheal, cuffed – merge all rows under LOU to indicate 4 for all sizes	a) Size 5.0	4
		b) Size 5.5	
		c) Size 6.0	
		d) Size 6.5	
		e) Size 7.0	
		f) Size 7.5	
		g) Size 8.0	
12.4	Tube, endotracheal, uncuffed	a) Size 2.5	
		b) Size 3	
		c) Size 3.5	
		d) Size 4	
		e) Size 4.5	
		f) Size 5	
		c) Size 5.5	
12.5	Tube, feeding	a) FG04	2
		b) FG06	
		c) FG08	
		d) FG10	
		e) FG12	
		f) FG14	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	Tube, feeding	g) FG16	2
		h) FG18	
		i) FG20	
12.6	Tube, intercostal drainage with a Trocar	a) CH8	4
		b) CH10	
		c) CH12	
		d) CH 14	
		e) CH18	
		f) CH20	
		g) CH24	
		h) CH32	
12.7	Underwater seal drainage bottle	Capacity 2000ml	4
		Clear and calibrated	
12.8	Tube, rubber, corrugated drainage	a) Child	4
		b) Adult	
12.9	Tube, tracheostomy cuffed	a) Size 2.5	4
		b) Size 3.5	
		c) Size 4.0	
		d) Size 6.0	
		e) Size 7.0	
		f) Size 7.5	
		g) Size 8.0	
12.10	Tube, tracheostomy, uncuffed	a) Size 4.0	4
		b) Size 6.0	
		c) Size 7.0	
		d) Size 8.0	
12.11	Double barrel tracheostomy tube	a) Size 4.5	4
		b) Size 5.0	
		c) Size 5.5	
		d) Size 6.0	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	Double barrel tracheostomy tube	e) Size 6.5	4
		f) Size 7.0	
		g) Size 7.5	
		h) Size 8.0	
12.12	Tube, rectal, disposable	a) 22G	3
		b) 20G	
		c) 18G	
12.13	Tube, suction, with regulatory valve close ended	a) Size 4G	2
		b) Size 6G	
		c) Size 8G	
		d) Size 10G	
		e) Size 12G	
		f) Size 14G	
		g) Size 16G	
		h) Size 18G	
		i) Size 20G	
12.14	Tube, suction, mini closed wound drainage	Kink resistant tubes	4
		a) Size 12	
		b) Size 14	
		c) Size 16	
		d) Size 18	
12.15	Yankauer Suction catheter	Disposable tube	4
		Size 20cm to 45.5cm	
<b>13. Waste Disposal Items</b>			
13.1	Bin liner for medical waste	Capacity 50-100L	2
		Gauge 25 – 30 microns	
		Black, yellow, white, grey, purple, red	
13.2	Plastic bin	EN 840, EN 840	2
		Black, yellow, white, grey, purple, red	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	Plastic bin	100L;52cm x81cm	2
		50L; 39cm x 66cm	
13.3	Safety boxes	5L (Bio Hazardous)	2
<b>14. Personal Protective Equipment</b>			
14.1	Aprons Disposable	White polythene	2
		100cm x 67cm	
		HMHD/LDPE Plastic	
14.2	Aprons water Proof	Mackintosh material	2
		Small	
		Medium	
		Large	
		X-large	
14.3	Coverall	Medium,	2
		Large	
		X large	
		EN 340	
14.4	Eye Goggles Re-usable	EN 166 1F 349KN	2
14.5	Disposable Gown	Long sleeved:	3
		Small	
		Medium	
		Large	
14.6	Face Shield	Plastic, clear anti fog	2
14.7	Safety Helmet	Tough plastic	4
		15 -20 kg per cartoon	
14.8	Overall	Twill cotton, 260g per meter square:	2
		Sizes:	
		Small	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	Overall	Medium	2
		Large	
		X Large	
		XX Large	
14.9	Overalls Ordinary with reflectors	100% cotton	2
14.10	Cap, theatre	Disposable with elastic	3
14.11	Chemotherapy gown	Reinforced, Water proof	4
<b>15.0 Bed Linen &amp; Related Supplies</b>			
<b>15.1 Bed Linen</b>			
15.1.1	Baby wrapper	Cotton 60 - 85%/Polyester 15 - 35%	2
		Size 60 cm x 60 cm	
		Dimension 8 Pounds	
15.1.2	Bed sheets	White, Cotton 60 - 85%/Polyester 15 - 35%	2
		160 cm X 240 cm	
15.1.3	Cellular Blanket;	100% cotton	2
		Woven fabrics	
		160cm x 240cm	
15.1.4	Cot Blankets	Extra soft, 100% cotton	4
		Size 90cm x 130 cm	
15.1.5	Counterpane	Cotton 100%,160 cm X 240cm	2
15.1.6	Draw Sheet	Cotton 60 - 85% / Polyester 15 - 35%;	4
		Size 90 x 180 cm	
15.1.7	Mackintosh	Forest Green	2
		a) Size 1m X 50m	
		b) Size 2m x 50m	
15.1.8	Mosquito Net	White, Round	2
		4" x 6"	
15.1.9	Pillow cases/ slips	Cotton 60 - 85%/Polyester 15 - 35%;	2
		Size 50cm x 70cm	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
15.1.10	Pillow covered with water proof mackintosh	standard	2
15.1.11	Standard Hospital bed Mattress	135cm x191 cm	4
15.1.12	White towel (physiotherapy)	Size 70 cmx140cm	4
15.1.13	Mortuary sheets (calico)	Size 160 cm x 240 cm	4
15.1.14	Body bags	Non-porous	3
		91 cm x 229 cm	
<b>15.2 Theatre Linen</b>			
15.2.1	Centre towels	Cotton 100%: Cotton (Forest Green)	3
		Small	
		Medium	
15.2.2	Disposable Surgical Gowns		3
		Medium	
		Large	
		X Large	
15.2.3	Drape sheets	Forest green	3
		Size 54 x 69cm	
15.2.4	Green Towel	100% Cotton	2
		Size 36"x 40M	
15.2.5	Scrubs	Small	3
		Medium	
		Large	
		X-Large	
15.2.6	Surgical caps	Free size, Forest Green, reusable	3
15.2.7	Surgical Gowns	Medium	4
		Large	
		X-Large	



<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
<b>15.3 Uniforms</b>			
15.3.1	Baby gown	Cotton 60 - 85%/Polyester 15 - 35%;	2
		Small	
		Medium	
15.3.2	Patient Uniform mother gown	Cotton 60 - 85%/Polyester 15 - 35%	3
		a) Small	
		b) Medium	
		c) Large	
		d) X Large	
15.3.3	Patient Uniform pyjama (Children)	Cotton 60 - 85%/Polyester 15 - 35%	3
		Sizes:	
		a) Small	
		b) Medium	
15.3.4	Patients Uniform Pyjama (Male)	Cotton 60 - 85%/Polyester 15 - 35%	3
		Sizes:	
		a) Small	
		b) Medium	
		c) Large	
		d) X-Large	
15.3.5	Patients uniform (antenatal gown)	a) Small	3
		b) Large	
		c) X Large	
15.3.6	Patient Uniform (Psychiatric Unit)	Sky Blue	4
		Cotton drill	
		a) Small	
		b) Medium	
		c) Large	
		d) X Large	
		e) XX Large	
<b>15.4 FOOT WEAR</b>			

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
15.4.1	Anti static gumboots	Mid- leg length	3
		White	
		Size 5 - 11	
15.4.2	Crocs	Size 5-11	4
15.4.3	Gum boots (Black)	ASTM 2412 and 2413	2
		Size 7-11	
15.4.4	Safety Boots	Size 6-11	3
15.4.5	Gumboots (PPE)	ASTM 2412 and 2413	2
		Size 5-11	
<b>16.0 Sets and Instruments</b>			
<b>Sets</b>			
<b>16.1 General</b>			
16.1.1	Bladder Wash out Set	Stainless steel tray 12"x 18"x3"-1pc	4
		kidney Dish 8"-2pc	
		Gallipot 4 "	
		Bowl 8"-1 pc	
		Measuring jug Stainless Steel (0.5litres) - 1pc	
		Artery Forceps 7"-1pc	
16.1.2	Bone marrow biopsy set	Kidney dish medium size	4
		Gallipot medium s	
		Consumables (Disposable Bone Marrow Biopsy Aspiration Needle 11G)	
16.1.3	Catheterization Set	1000 ml Outer Basin Tray (1pc)	2
		0.12litre Specimen Cup (1 pc)	
16.1.4	Central line Set	Dressing set standard	4
		Insertion set standard	
16.1.5	Cholecystectomy Set	Suction Control Handle	4
		Spatula Electrode with Suction	
		L Hook Electrode with Suction	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Cholecystectomy Set	High Volume Suction Irrigation System	4
		Needle for Injection and Irrigation	
		Metzenbaum Scissors, Straight	
		Metzenbaum Scissors, Curved	
		Hook Scissors	
		Micro Scissors, Curved	
		Maryland Dissector	
		Mixer Forceps, Diamond Serrations	
		Dolphin Forceps w/Spoon	
		Standard Grasping Forceps	
		Wave Grasper	
		Maxi (Fundus) Grasper	
		Mixer Forceps	
		Claw Forceps	
	Spoon Forceps		
16.1.6	Circumcision Set	a) Plastic sponge forceps	2
		b) Haemostat	
		c) Dissecting adsons forceps	
		d) Needle holder	
		e) Scissors for transection of the prepuce	
		f) Circumcision guard	
		g) Shang Ring Device Assorted Sizes	
16.1.7	Cut Down Set	Forceps, Artery, Curved, 145mm 3pc	3
		Forceps, Artery, straight, 145mm 3pc	
		Forceps, dissecting, straight, 1*2 Teeth, 145mm 1pc	
		Forceps, dissecting, straight, Plain 180mm 1pc	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Cut Down Set	Hook, Skin, Gilles, 180mm 1pc	3
		Handle for Surgical Blade No. 3 1pc	
		Needle holder, Mayo, 150mm 1pc	
		Scissors, ligature, Spencer, 115 mm 1pc	
		Instrument Container, ss with cover 1pc	
16.1.8	Debridement set	kidney dish, large,275x150x45mm, stainless steel 1pc	4
		Scalpel handle no 3 (for blade 10/11/15)	
		scissors, mayo,17cm, curved 1pc	
		scissors, metzenbaum,120cm curved 1pc	
		forceps, tissue, lane,14cm ,1x2 teeth 2pc	
		Ball and socket towel clip -6pc	
		Backhaus towel clamp-6pc	
		retractor, langenbeck,21cm,13x42mm 2pc	
		Retractor, adson,31cm,4x5 blunt, laminect 1 pc	
		rongeur, bone, luer, 18cm x 10mm, heavy pattern 1pc	
		bowl, round, 100ml,80x35mm, stainless steel 1pc	
		Forceps, tissue, allis,15cm/4x5 teeth, standard 2pc	
16.1.9	Diagnostic Kit Set	Ophthalmoscope-1pc.	2
		Otoscope Carrier--- 1pc.	
		Ear Speculum--- 4pc.	
		Nasal Speculum--- 1pc.	
		Laryngeal Mirror Stems--- 1pc	
		Laryngeal Mirrors--- 2pc.	
		Tongue Depressor Plastic --- 1pc.	
		Battery Handle--- 1pc.	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Diagnostic Kit Set	Spare Bulbs (2 Large)- 2pc. Small 2.5v/0.3A) --- 5pc. Power Supply: 1.5V X2 "C"	2
16.1.10	Dressing Set	Kidney Dish 20 cm (8") - medium Gallipot 150 ml - 0.177litres - medium Kocher artery forceps - straight - 16 cm Dressing Forceps (Thumb) - 16 cm English TOE dissecting forceps - plain - 14 cm Mayo scissors - straight - 15 cm Rampley sponge holding forceps - straight. - 18 cm Instrument tray with lid 25 x 30 x 6.2 cm	2
16.1.11	Dilatation and Curitage Set for Examination and Anesthesia	Rampley sponge holder- 3pc CUSCO speculum, Large- 1pc Sims speculum, Large-1pc Sims speculum, small- 1pc Bard Parker handle no.4- 1pc Careless ligature scissors, straight 5"- 1pc Canadian dissecting forceps, toothed- 1pc Canadian dissecting forceps, non- toothed -1pc Ovum forceps, large-1pc Vulselum forceps with teeth-2pc Uterine sound catheter -1pc Kidney dish- 1pc Gallipot-2pc Sims Currete 10"- 1pc Stainless steel tray 12"x18"x3"-1pc	4

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
16.1.12	General Thoracic Set	Rampléy Sponge Holding Forceps 9½”	5
		Bard Parker Handle No. 4	
		Bard Parker Handle No. 3	
		Potts Scissor Angled to Side 7½”	
		Mayo Scissor Curved 8”	
		Mayo Scissor Straight 8”	
		Metzenbaum Scissor Straight 8½”	
		Metzenbaum Scissor Curved 8½”	
		Careless Ligature Scissor 5”	
		Debarkey Tissue Forceps Straight-7½, 9½”	
		Debarkey Tissue Forceps Curved 7 ½, 9½”	
		Wangestein Tissue Forceps Gold Plated 8”	
		Sims Needle Holder Straight 8”	
		Kilner Needle Holder 7”	
		Mayo Needle Holder 7”	
		Cushing Dissecting Forceps 8”	
		Shandle Cross Action Towel Clips 5”	
		Yanker Sucker Nozzle 10”	
		Universal Sucker Handle 12”	
		Yanker Sucker Fine 6”	
		Mosquito Artery Forceps Curved 5”	
		Dunhill Artery Forceps 5”	
		Saw tells Artery Forceps 7”	
		Spencer wells Artery Forceps Straight 7”	
		Robert Nelson Artery Forceps 9”	
		Tubb Mitral Valve Dilator E2 Blades	
Finochieto Rib Spreader			

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	General Thoracic Set	Allison Lung Retractor	5
		Debarkey Tissue Forceps Straight 7½”	
		Babcock Tissue Forceps 7”	
		Little Wood Tissue Forceps 7”	
		Allis Tissue Forceps –7”	
		Cann Ryall Retractors	
		Morris Retractors	
		Price Thomas Bronchus Clamp Toothed	
		Price Thomas Bronchus Clamp Non – Toothed	
		Harkens Rib Retractor	
		Gigli Saw Handles	
		Wire Cutter Small Gold Plated	
		LebscheSternus Chisel	
		Kocher’s Artery Forceps	
		Stanley Boyd Scoop Double Ended	
		Davidson Scapular Retractor	
		Spoon Desert	
		Mixture Forceps	
		Metal Hammer Small	
		Metric Hammer Small	
		Robert Nelson Rib Approximater	
		Cooper Retractor ½	
		Pozzy Retaining Retractor (blades 62mmX38mm	
		and centre blades 55mmx55mm)	
		Kelly Retractors 10¼” (150mmX39mm blade)	
		DeaverRetractors12” (blade 25mm wide)	
		Payers Crushing Clamps 2	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	General Thoracic Set	Intestinal Twin Clamp 1	5
		Kocher's Intestinal Clamp (Anastomosis) 8½"	
		Doyen Intestinal Clamp (Anastomosis) 8½"	
		Malleable Retractor Small	
		Mayo Pin 4½"	
		Tray 12" X 24 ss	
16.1.13	Hemorrhoidectomy Set	Knife Handle-2pcs	4
		Metzenbaum scissors 1pc	
		Dressing forceps 1pc	
		Tissue forceps 1 pc	
		Hoisted Mosquito forceps 4pcs	
		Backhaus towel clamp 6pcs	
		Forster sponge forceps 2pcs	
		Hirschman Anscope 1pc	
		Brinkerhoff Rectal speculum, medium 1pc	
		Sawyer rectal retractor 2pcs	
16.1.14	Hernia Surgical Instrument set	2 Scalpel Handle No 3	4
		2 Scalpel Handle No 4	
		1 Scalpel Handle No 7	
		1 Instrument Stringer 8"	
		1 Instrument Stringer 10"	
		1 Instrument Stringer 12"	
		6 Halsted Mosquito Fcp Str 5"	
		6 Halsted Mosquito Fcp Curv 5"	
		8 Kelly Fcp Str 5 1/2"	
		18 Kelly Fcp Curv 5 1/2"	
		12 Crile Fcp Curv 6 1/4"	
		6 Roch-Pean Fcp Curv 6 1/4"	



## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Hernia Surgical Instrument set	2 Serrated Dressing Forceps 5 1/2"	4
		2 Tissue Fcp 1x2 5 1/2"	
		2 Tissue Fcp 1x2 8"	
		1 Balfour Abdominal Retractor Fenstr Bl10	
		2 Kelly Retractor 9.5" 2"X2.5"	
		2 Richardson Appendectomy Retractor	
		1 Richardson W/Sklargrip Handle Large	
		2 Allis Tissue Fcp Del 5x6 9 1/2"	
		2 Mayo Hegar Needle Holder Serr 10 1/2" Tc	
		1 Poole Suction Tube Slip On Str 3ofr	
		2 Mixter Fcp Rt Angle 9 1/4"	
		4 Roch Ochsner Fcp Str 1x2 8"	
		4 Roch Pean Fcp Curv 10 1/4"	
		1 Weitlaner Retractor Bl 3x4 5 1/2"	
		2 Goelet D/E Retractor 11/4x11/2 7 1/2	
		1 Deaver Skl Grip Handle no 0 1" X10"	
		1 Deaver Skl Grip Handle #2 1"X 13"	
		1 Deaver Skl Gr Retractor #4 2 X 12	
		1 Zalkind Ribbon Retractor 3/4x13"	
		1 Zalkind Ribbon Retractor 1 1/4x13"	
		1 Zalkind Ribbon Retractor 1 1/2x13"	
		1 Zalkind Retractor Malleable 2x13	
		2 Adson Tissue Fcp 1x2 4 3/4"	
		1 Mayo Hegar Needle holder 8" Tcsg	
		6 Roch Ochsner Fcp Str 1x2 8"	
		2 Mayo Hegar Needle holder 7" Tcsg	
		1 Metzenbaum Scissors Curv 7"	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Hernia Surgical Instrument set	2 Metzenbaum Scissors Del Curv 7"	4
		2 Russian Tissue Fcp 8"	
		1 Mayo Dissecting Scissors Curv 6 3/4"	
		2 Mayo Dissecting Scissors Str 6 3/4	
		8 Backhaus Towel Clamp 5 1/4"	
		1 Us Army Retractor Set/2 D/E 8 1/4"	
		2 Adson Tissue Fcp 1x2 4 3/4"	
		1 Adson Dressing Fcp Serr 4 3/4	
		1 Richardson W/Sklargrip Handle Small	
		1 Richardson W/Sklargrip Handle Large	
		4 Allis Tissue Fcp 4x5 6"	
		4 Babcock Forceps 6 1/4"	
		4 Lahey Gall Duct Fcp 7 1/2"	
		1 S E Metz Standard Nelson Str 9"Tc	
		1 S E Metz Standard Nelson Curv 9"Tc	
		3 Foerster Sponge Curv Serr 9 1/2"	
		4 Schnidt Tons Fcp Slgt Curv 7 1/2	
		1 Yankauer Suction Tube Stainless	
16.1.15	Incision and abscess drainage set	a) Stainless steel	2
		b) Kidney dish 6",8",10"	
		c) Sponge holding forceps	
		d) tissue grasping forceps	
		e) Surgical scissors	
		f) Scalpel handle no 3 or 4	
		g) Gallipot 30.28litre	
16.1.16	Laparotomy Set Basic	Metzenbaum scissors curved, 18,20,23cm-1pc	4
		Mayo scissors straight 14.5cm-1pc	
		Mayo scissors curved 14cm-1pc	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Laparotomy Set Basic	Dressing forceps 14.5, 20cm-1pc	4
		Tissue forceps 14.5cm-2pc	
		Gerald tissue forceps straight 17.5cm-1pc	
		Maier dressing forceps curved 26cm-2pc	
		Backhaus towel clamps 12.5cm-6pc	
		Halsted mosquito forceps 12.5 cm curved-2pc	
		Halsted mosquito forceps 12.5 cm straight-2pc	
		Halsted haemostatic forceps 18cm, straight-1pc	
		Halsted haemostatic forceps 18cm, straight 1*2	
		teeth-1pc	
		Rochester Pean haemostatic forceps straight 14 cm-2pc	
		Rochester pean haemostatic forceps 20cm, 24cm	
		straight-1pc	
		Kocher haemostatic forceps 14cm straight 1*2 teeth-2pc	
		Rochester ochsner haemostatic forceps 1*2 teeth	
		20cm straight-2pc	
		Overholt geissendoerfer 20.5,21.5cm-2pc	
		Mikulicz perineal forceps 18cm-2pc	
		Inner case only-1pc	
		Wangensteen needle holder 28cm-	
		Mayo Hegar needle holder 16,18,20cm-1pc	
		Deschamps ligature needle blunt 20cm right-1pc	
		Nelaton grooved director 16cm-1pc	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Laparotomy Set Basic	Myrtle leaf probe 14.5cm-1pc	4
		ROUX retractor set 3	
		a) 22.16.14 roux ret 14.0cm	
		b) 22.16.15 roux ret 15.0cm	
		c) 22.16.16 roux ret 16.0cm	
		Volkman retractor 6t, semi sharp 28mm, 22cm-2pc	
		Parker Langenberg retractor 21cm- 1set	
		Mikulicz retractor 50x120mm, 26cm -2pc	
		Haberer spatula malleable 37/45*300mm-1pc	
		Allis AT grasping forceps 19.0cm-2	
16.1.17	Lumbar puncture set/Epidural set	Standard as per (MOH specification for essential Medical Supplies)	4
16.1.18	Mayo Trays set	Stainless steel; Height 76L x 46W x 81H in CM 56L x 40W in centimetres	2
16.1.19	Observation trays set	Stainless steel 3 X 19 X 5cm	2
16.1.20	Proctoscopy set	Proctoscope adult small, medium, large-1pc	4
		Kidney dish large-1pc	
		Gallipot-1pc	
		Tray instrument with lid 9" X 5" X 2"	
		Bowl- 1pc	
16.1.21	Skin grafting set	-Keratome/ Dermatome Blade, skin graft, disposable-5pc	4
		-Towel clip, Backhaus-5pc	
		-Dissector, Macdonald- 1pc	
		-Forceps, Dissecting, straight, half teeth, serrated 150mm- 2pc	
		- Forceps, Dissecting, straight, plain 145mm- 2pc	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Skin grafting set	- Forceps, sponge holding, 200-240mm-2pc	4
		-Handle, blade, skin graft-2pc	
		-Hook, skin, gilles-1pc	
		-Scissors, Metzenbaum, straight 140mm-1pc	
		- Humby, skin graft knife with box- 1pc	
		-Instrument container ss, with cover-1pc	
16.1.22	Stitching/suture set	- Kidney dish large 275x150x45mm stainless steel- 1pc	2
		- Bard parker handle no 3 for blade 10,11,15-1pc	
		- Mayo scissors 17cm curved-1pc	
		- Metzenbaum 18cm curved- 1	
		- Forceps tissue lane 14cm 1x2 teeth-2	
		- Needle holder Mayo hegar 15cm standard- 1	
		- Needle holder Mayo hegar 18cm standard- 1	
		- Forceps hemostatic crile 14cm curved - 4	
		- Forceps hemostatic kocher 14cm 1x2 teeth straight-2	
		- Forceps towel clamp, buckles balls and socket backhaus-6	
		- Forceps sponge forester 24cm serrated jaws straight-2	
		- Curette bone volkman 22cm double ended fig 3 and 5	
		- Bowl Round 100mls 80x35mm stainless steel- 1	
		- Basket sterilizing 410x250x70mm	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
<b>16.2 OBGYN/Urology</b>			
16.2.1	Bilateral Tubal Ligation Set	Knife Handle No.3 -01 Pc.	4
		Knife Handle No.4 -01 Pc	
		Mayo Dissecting Scissors, 6.5" Straight -01 Pc.	
		Metzenbaum Scissors, 7" Curved -01 Pc.	
		Tissue Forceps 1x2 Teeth 6" -01 Pc.	
		Kelly Forceps, 5-1/2" (14 Cm), Curved -06pc	
		Rochester-Pean Forceps, 8" Curved -02pc	
		Backhaus Towel Clamp, 5" -06 Pcs.	
		Foerster Sponge Forceps 10"-01 Pc.	
		Heaney Needle Holder, 8" Curved - 01 Pc.	
		Deaver Retractor, 1" (2.5 Cm) X 12" (30.5 Cm) -01 Pc.	
		Allis Tissue Forceps, 8" (18.4 Cm), 5x6 Teeth-02 Pcs.	
		Allis Tissue Forceps, 6" (15.2 Cm), 4x5 Teeth - 04 Pcs.	
		Babcock Intestinal Forceps, 8-1/4" (21 Cm) -02 Pcs.	
		Graves Vaginal Speculum, Medium -01 Pc.	
		Auvarde Weighted Vaginal Speculum, Angled -01 Pc.	
		Sims Uterine Sound, Graduated -01 Pc.	
Schroeder-Braun Uterine Tenaculum Forceps 10" -02 Pcs.			
Heaney Hysterectomy Forceps, 8" Heavy Pattern Curved -02 Pcs.			
Suitable Sterilizing Tray. -01 Pc.			
16.2.2	Caesarean Section Set	-5 Rampley sponge holder 91/2	4
		-2 mayo scissors straight 7", and 6"	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Caesarean Section Set	-2 mayo scissors curved 5" or 6,"	4
		-1 carless ligature scissors curved 5"	
		-6 Spenser well artery forceps straight	
		6 chances artery forceps curved,	
		10 Dunhill artery forceps curved 5"	
		-10 green Armitage bowel holding forceps	
		2 lane tissue forceps 6",	
		-4 Allis tissue forceps 6"	
		-4 Littlewoods tissue forceps s 6"	
		-1 Adson dissecting forceps toothed 6"	
		-2 lane dissecting forceps toothed	
		-2 travers dissecting forceps non-toothed	
		-6 shardle cross acting towel clips	
		1 doyen bladder retractor,	
		-1 Morris retractor	
		2 sims needle holder,	
		-1 Horsley needle holder	
		1 Bard Packer Handle No.3	
		2 Bard Packer handle No.4,	
		-1 sterilizing container 18"x24"x4".	
		3 mayo pins,	
16.2.3	Delivery Set	Ramplery sponge forceps 9.5"-3pc	4
		Kidney dish large 12L*6W*2D"-2pc	
		Rochester pean artery forceps straight 20cm-2pc	
		Treves toothed dissecting forceps 14cm-1pc	
		Heany needle holder 8.25"-1pc	
		Bowl 200ml	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Delivery Set	Umbilical scissors 12.5cm-1pc	4
		Episiotomy scissors 18cm-1pc	
		Mayo Hegar Needle Holder 7"-1pc	
		Instrument tray with lid 15*12*2"1pc	
		-Dissecting Forceps 1x2 teeth 14cm-1pc	
		-Gallipot without lid medium 110x60mm-2pc	
		- Kocher straight artery forceps 20cm-	
		- Dissecting Forceps non-tooth serrated	
		- Stitch scissors	
16.2.4	Dilatation and Curettage Set	1 Sterilizing Stainless-Steel Box 35x18x8 cm	4
		1 Valleix Uterine Sound with Cursor 33 cm	
		1 Operating Scissors B/B Curved 18 cm	
		2 Gourdet Uterine Curette 25 cm x 12 mm	
		1 Simon Uterine Curette 25 cm x 6 mm	
		2 Sims Uterine Curette sharp 25 cm x 8 mm	
		1 Volkmann Uterine Curette 25 cm x 10 mm	
		1 Rochester Pean Forceps Straight 22 cm	
		1 Cheron Forceps 24 cm	
		1 Faure Forceps Curved 1x2 Teeth 22 cm	
		3 Museux Forceps Straight 24 cm 7 x 5 mm	
		2 Pozzi Forceps Straight 24 cm	
		2 Forester Forceps Straight 24 cm	
		2 Winter Placenta Forceps Straight 24 cm	



A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Dilatation and Curettage Set	1 Bozeman Forceps Bent 24 cm	4
		1 Collin Vaginal Speculum 30 mm x 105 mm	
		1 Probe with Tread 30 cm Uterine	
16.2.5	Hysterectomy set	Standard as per (WHO-Interagency list of priority medical devices for essential interventions for reproductive, maternal, newborn and child health 2016)	4
16.2.6	Implant (family Planning) Set	Removal/Insertion:	2
		a) Small bowl- 1pc	
		b) Kidney dish 12"- 1pc	
		c) Rampley sponge holding forceps straight 5.5" - 1pc	
		d) Straight mosquito forceps 5" 1pc	
		e) Curved mosquito forceps 5" -1pc	
		f) Scalpel handle no 3 and no 4 - 1 pc	
16.2.7	IUCD insertion set	a) Mayo stand tray	2
		b) Grave speculum <ul style="list-style-type: none"> <li>▪ Medium</li> <li>▪ Large</li> </ul>	
		c) Tenaculum	
		d) Ring forceps	
		e) Uterine sound.	
16.2.8	Prostatectomy Set	Specification as per MOH essential medical supplies 2020 (Page 308)	4
16.2.9	Urethroplasty set	-Rampley sponge holding forceps 9.5"- 5pc	4
		-Bard Parker handle no 4- 1pc	
		- Bard Packer handle no 3- 1pc	
		-Mayo scissors Curved Onlined Forceps (COF) gold plated 9"-1pc	
		- Metzenbaum scissors 7"- 1pc	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Urethroplasty set	-McIndoes scissor, straight 7"- 1pc	4
		- Careless ligature scissors, straight, 7"- 1pc	
		-Careless ligature scissors, straight, 5"- 1pc	
		-Aufreight scissor COF 5 1/2"- 1pc	
		-Mosquitoe artery forceps straight 5" - 5pc.	
		-Mosquitoe artery forceps curved 5"- 5pc	
		-Sims needle holder curved 7"-1pc	
		- Crile wood needle holder gold plated 7"- 2pc	
		- Adson dissecting forceps, toothed 6"- 2pc	
		- Adson dissecting forceps, non-toothed 6"- 2pc	
		-Canadian dissecting forceps toothed 10 1/2"- 2pc	
		- Johnson catch (trever) dissecting forceps 11"- 1pc	
		- Chances artery forceps COF 7"- 5pc	
		-Spencer well artery forceps, straight 5"- 5pc	
		- Little wood tissue forceps 7"- 2pc	
		-kocher langernbeck retractors 10"- 2pc	
		-Deavers retractor, small blade 12"- 1pc	
16.2.10	Vacuum extractor	Disposable Vacuum Assisted Foetal Delivery System	2
16.2.11	Vasectomy set	Vasectomy fixation clamp- ring tip 5.75" 3.5mm,	4
		2.2mm	
		Vasectomy fixation clamp- oval tip 5.75"	
		Vasectomy piercing forceps 5.5"	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	Vasectomy set	Babcock forceps 5.5"	4
		Sponge holding forceps 9.5"	
		Kidney dish large	
		Gallipot medium 110x60mm	
		Oblong tray 12"x 8" with lid	
16.2.12	Via Villi Set	Kidney dish	4
		Gallipot	
		Cusco's speculum	
<b>16.3 Orthopaedic products</b>			
16.3.1	Amputation Set	Utility scissors stand serrated 7.5"-1pc	4
		Mayo scissors straight 6.75"-1pc	
		Mayo scissors curved 6.75"-1pc	
		Crile forceps curved 5.5-1pc	
		Roch-osch forceps straight 1x2t 6.25"-1pc	
		Bard Parker handle no 4-1pc	
		Mayo hegar Needle holder serrated 6" Tc-1pc	
		Tissue forceps 1*2 6"-1pc	
		Gigli saw thread 1 75"/500mm	
		Elevator/Rugine farebeufs curved periosteal-4pc	
		Fine bone Tubb's-4pc	
		Forceps bone holding 10"/254mm Hey grove-4pc	
		Forceps bone holding 8"/203mm Hey grove-4pc	
		Gigli guide and protector for saw thread-4 pc	
		Gigli handle for saw thread, of two-4pc	
Gigli saw thread 1 75"/ 300mm olivecrona-15pc			

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Amputation Set	Knife amputation lister 8"/203mm blade-4pc	4
		Mallet health metal-2pc	
		Osteotome 0.25"/6mm, 8"/200mm straight-4pc	
		Osteotome smith Petersen 0.75", 19mm straight-	
		4pc	
		Osteotome smith Petersen 0.75", 19mm straight- 4pc	
16.3.2	Cannulated Screw Set 6.5 mm	6.5mm cannulated screw, self-drilling, self-tapping, length 50mm, Stainless Steel/TAN	4
		6.5mm cannulated screw, self-drilling, self-tapping, length 70mm, Stainless steel/TAN	
		6.5mm cannulated screw, self-drilling, self-tapping, length 75mm, Stainless Steel/TAN	
		6.5mm cannulated screw, self-drilling, self-tapping, length 80mm, Stainless Steel/TAN	
		6.5mm cannulated screw, self-drilling, self-tapping, length 85mm, Stainless Steel/TAN	
		6.5mm cannulated screw, self-drilling, self-tapping, length 90mm, Stainless steel/TAN	
		6.5mm cannulated screw, self-drilling, self-tapping, length 95mm, Stainless Steel/TAN	
		6.5mm cannulated screw, self-drilling, self-tapping, length 100mm, Stainless Steel/TAN	
		6.5mm cannulated screw, self-drilling, self-tapping, length 105mm, Stainless Steel/TAN	
		6.5mm cannulated screw, self-drilling, self-tapping, length 110mm, Stainless Steel/TAN	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Cannulated Screw Set 6.5 mm	6.5mm cannulated screw, self-drilling, self-tapping, length 115mm, SS/TAN	4
16.3.3.	Cannulated Screw SET 7.3 mm	7.3mm cannulated screw, self-drilling, self-tapping, length 50mm, Stainless Steel/TAN	4
		7.3mm cannulated screw, self-drilling, self-tapping, length 70mm, Stainless steel/TAN	
		7.3mm cannulated screw, self-drilling, self-tapping, length 75mm, Stainless Steel/TAN	
		7.3mm cannulated screw, self-drilling, self-tapping, length 80mm, Stainless Steel/TAN	
		7.3mm cannulated screw, self-drilling, self-tapping, length 85mm, Stainless Steel/TAN	
		7.3mm cannulated screw, self-drilling, self-tapping, length 90mm, Stainless steel/TAN	
		7.3mm cannulated screw, self-drilling, self-tapping, length 95mm, Stainless Steel/TAN	
		7.3mm cannulated screw, self-drilling, self-tapping, length 100mm, Stainless Steel/TAN	
		7.3mm cannulated screw, self-drilling, self-tapping, length 105mm, Stainless Steel/TAN	
		7.3mm cannulated screw, self-drilling, self-tapping, length 110mm, Stainless Steel/TAN	
		7.3mm cannulated screw, self-drilling, self-tapping, length 115mm, SS/TAN	
16.3.4	Dynamic HIP Screws (DHS)/Dynamic condylar Plate System (DCS) basic instrument set with implants set	DHS/DCS basic instrument set	4
		95° DCS plate, holes 6, SS	
		95° DCS plate, holes 8, SS	
		135° DHS plate, holes 4, SS	
		135° DHS plate, holes 5, SS	
		DHS/DCS Lag screws, 12.5mm SS length 50mm	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Dynamic HIP Screws (DHS)/Dynamic condylar Plate System (DCS) basic instrument set with implants set	DHS/DCS Lag screws, 12.5mm SS, length 60mm	4
		DHS/DCS Lag screws, 12.5mm SS, length 70mm	
		DHS/DCS Lag screws, 12.5mm SS, length 75mm	
		DHS/DCS Lag screws, 12.5mm SS, length 80mm	
		DHS/DCS Lag screws, 12.5mm SS, length 85mm	
		DHS/DCS Lag screws, 12.5mm SS, length 90mm	
		DHS/DCS Lag screws, 12.5mm SS, length 95mm	
		DHS/DCS Lag screws, 12.5mm SS, length 100mm	
		DHS/DCS Lag screws, 12.5mm SS, length 105mm	
		DHS/DCS Lag screws, 12.5mm SS, length 110mm	
16.3.5	External fixator instruments set	Mini external fixator.	4
		External fixator for wrist and fore arm	
		Small external fixator.	
		Large external fixator.	
		Mono lateral fixator.	
		External fixator for pelvis.	
		External fixator modular rod.	
		Bone screws.	
		Instrumentation sets.	
16.3.6	General Orthopaedic set	Metal Ruler 6" 1pc	4
		Scalpel Handle #3-1pc	
		Lister Bandage Scissors (One Large Ring) 8"-1pc	
		Operating Scissors S/S Str 5 1/2"-1pc	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	General Orthopaedic set	Operating Scissors S/B Str 5 1/2"-2pc	4
		Operating Scissors S/B Curv 5 1/2"-1pc	
		Stitch Scissors Standard 5 1/2"-1pc	
		Mayo Dissecting Scissors Str 6 3/4"-1pc	
		Mayo Dissecting Scissors Curv 6 3/4"-1pc	
		TC Wire Cutting Scissors Angled 4 3/4"-1pc	
		Mixer Forceps Right Angle 7 1/4"-4pcs	
		Kelly Forceps Str 5 1/2"-12pcs	
		Kelly Forceps Curv 5 1/2"-12pcs	
		Rochester-Pean Forceps Curv 7 1/4"-3pcs	
		Rochester-Pean Forceps Str 7 1/4"-3pcs	
		Dressing Forceps 5 1/2"-2pcs	
		Dressing Forceps 8"-2pcs	
		Tissue Forceps 1 x 2 Teeth 5 1/2"-2pcs	
		Tissue Forceps 1 x 2 Teeth 8"-2pcs	
		TC Mayo-Hegar NH Serr 7"-1pc	
		TC Mayo-Hegar NH Serr 8"-1pc	
		Allis Tissue Forceps 4 x 5 Teeth 6"-2pcs	
		Allis Tissue Forceps 5 x 6 Teeth 7 1/2"-2pcs	
		Needle Nose Pliers 5 1/2"-1pc	
		Bone/Cartilage Clamp Curv 8"-1pc	
		Kern Bone Forceps w/o Ratchet Extra Small 5 3/4"-1pc	
		Kern Forceps 8 1/2"-1pc	
		Lewin Bone Forceps Serr 7"-1pc	
	Lowman Clamp Small Jaw-1pc		

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	General Orthopaedic set	Lowman Clamp 1" x 1 1/2" Jaw 4 3/4"-1pc	4
		Liston Bone Forceps Angled 7 3/4"-1pc	
		Stille-Liston Bone Forceps Str 10 1/2"-1pc	
		Beyer Rongeur Curv on Flat 7"-1pc	
		Ruskin Rongeur Str 7 1/4"-1pc	
		Hajek Bone Mallet 8"-1pc	
		Hibbs Osteotome 10 mm 9 1/2"-1pc	
		Hibbs Osteotome 13 mm 9 1/2"-1pc	
		Hibbs Chisel 10 mm 9 1/2"-1pc	
		Hibbs Chisel 13 mm 9 1/2"-1pc	
		Key Elevator 1/4" x 7 1/2"-1pc	
		Key Elevator 1/2" x 7 1/2"-1pc	
		Sayre Elevator Double End Blunt 6 1/2"-1pc	
		Weitlaner-Beckman Retractor Sharp 6"-1pc	
		Weitlaner Retractor 3 x 4 Prong Sharp 6 1/2"-1pc	
		Backhaus Towel Clamp 3 1/2"-1p	
		Backhaus Towel Clamp 5 1/4"-1pc	
		Frazier Suction Tube 8 French-1pc	
		Frazier Suction Tube 10 French-1pc	
		Frazier Suction Tube 12 French-1pc	
		Hibbs Retractor 7 1/2"-2pc	
		Senn Retractor Double End Sharp 6 1/4"-2pc	
		Senn Retractor Double End Blunt 6 1/4"-1pc	
	Metzenbaum Scissors Curv 7"-1pc		
16.3.7	Interlocking K Nail set	-Curved bone 1pc	4



## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Interlocking K Nail set	-Reaming rod with staggered olive diameter 3.0mm	4
		and length 950mm -1 pc	
		-Guide wire holding forceps- pc1	
		-Flexible reamer with fixed head 8.0mm- 1 pc	
		-Flexible reaming shaft- 1 pc	
		-Detachable reaming heads diameter 9mm, 10mm,	
		11mm, 12mm,13mm -5pcs	
		-Tissue protector -1 pc	
		-Medullary tube 1pc	
		Guide rod diameter 3mm length 950mm -1 pc	
		-Universal insertion bolt- 1 pc	
		-Proximal jig for femur and tibia -1pc	
		-Wrench -1pc	
		-Driving head -1 pc	
		-Ram guide -1pc	
		-Ram -1 pc	
		-Protection sleeve 8mm -1pc	
		-Pointer -1pc	
		-Drill sleeve 4.0mm-1 pc	
		-Drill bit diameter 4.0mm length 250mm- 1pc	
		-Depth gauge -1 pc	
		-Aiming Trocar- 1 pc	
		-Distal aiming device- 1pc	
		-Locking hole finder- 1 pc	
		-Fixation bolt 3.5mm -1 pc	
		-Fixation bolt 4.5mm -1 pc	
		-Hexagonal screw driver -1 pc	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Interlocking K Nail set	-Femoral distal locking jig -1pc	4
		-Tibial distal locking jig- 1pc	
		-Flexible reamer with fixed head 8.5mm- 1 pc	
		-Detachable reaming heads 9.5mm, 10.5mm, 11.5mm, 12.5mm, 13.5mm 14mm- 6pc	
		-Instrument case -1pc	
16.3.8	Intramedullary (I.M) Universal Femur Nail Instrument Set with implants	Intramedullary Universal Femur Nail Instrument Set (standard)	4
		Interlocking I. M femur nail, stainless steel, length 36cm, diameter 8mm	
		Interlocking I. M femur nail, stainless steel, length 36cm, diameter 9mm	
		Interlocking I. M femur nail, stainless steel, length 36cm, diameter 10mm	
		Interlocking I. M femur nail, stainless steel, length 38cm, diameter 9mm	
		Interlocking I. M femur nail, stainless steel, length 38cm, diameter 10mm	
		Interlocking I. M femur nail, stainless steel, length 40cm, diameter 10mm	
		Interlocking I. M femur nail, stainless steel, length 42cm, diameter 10mm	
		Interlocking I. M femur nail, stainless steel, size 11mm × 36cm	
		Interlocking I. M femur nail, stainless steel, size 11mm × 38cm	
		Interlocking I. M femur nail, stainless steel, size 11mm × 40cm	
		Interlocking I. M femur nail, stainless steel, length 42cm, diameter 11mm	
		Interlocking I. M femur nail, stainless steel, length 42cm, diameter 12mm	
		Locking screws for I.M Femur nail diameter,4.9mm, stainless steel, length 30mm	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Intramedullary (I.M) Universal Femur Nail Instrument Set with implants	Locking screws for I.M Femur nail diameter,4.9mm, stainless steel, length 35mm	4
		Locking screws for I.M Femur nail diameter,4.9mm, stainless steel, length 40mm	
		Locking screws for I.M Femur nail diameter,4.9mm, stainless steel, length 45mm	
		Locking screws for I.M Femur nail diameter,4.9mm, stainless steel, length 50mm	
		Locking screws for I.M Femur nail diameter,4.9mm, stainless steel, length 55mm	
		Locking screws for I.M Femur nail diameter,4.9mm, stainless steel, length 60mm	
16.3.9	Intramedullary (I.M) Universal Tibia Nail Instrument Set	Intramedullary Universal Tibia Nail Instrument Set (standard)	4
		Interlocking I. M tibial nail, stainless steel, size 9mm × 34cm	
		Interlocking I. M tibial nail, stainless steel, size 9mm × 36cm	
		Interlocking I. M tibial nail, stainless steel, size 10mm × 34cm	
		Interlocking I. M tibial nail, stainless steel, size 10mm × 36cm	
		Interlocking I. M tibial nail, stainless steel, size 11mm × 34cm	
		Interlocking I. M tibial nail, stainless steel, size 11mm × 36cm	
		Interlocking I. M tibial nail, stainless steel, size 12mm × 36cm	
		Locking screws for I.M tibial nail diameter,4.9mm, length 25mm stainless steel	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Intramedullary (I.M) Universal Tibia Nail Instrument Set	Locking screws for I.M tibial nail diameter,4.9mm, length 30mm, stainless steel	4
		Locking screws for I.M tibial nail diameter,4.9mm, length 35mm, stainless steel	
		Locking screws for I.M tibial nail diameter,4.9mm, length 40mm, stainless steel	
		Locking screws for I.M tibial nail diameter,4.9mm, length 45mm, stainless steel	
		Locking screws for I.M tibial nail diameter,4.9mm, length 50mm, stainless steel	
		Locking screws for I.M tibial nail diameter,4.9mm, length 55mm, stainless steel	
16.3.10	K-WIRES	K-Wire D 1.5mm, length 150 + 10mm, trocar tip ss	4
		K-Wire D 1.5mm, length 280 + 20mm trocar tip ss	
		K-Wire D 1.6mm, length 150 + 10mm trocar tip ss	
		K- Wire D 1.6mm, length 280 + 20mm, trocar tip ss	
		K- Wire D 1.7mm, length 150+ 10mm, trocar tip ss	
		K-Wire D 1.7mm, length 280+20mm, trocar tip ss	
		K-Wire D 1.8mm, length 150+10mm, trocar tip ss	
		K-Wire D 1.8mm, length 280+20mm, trocar tip ss	
		K-Wire D 2.0mm, length 150 + 10mm trocar tip ss	
		K-Wire D 2.0mm, length 280 + 20mm trocar tip ss	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	K-WIRES	K-Wire D 2.2mm, length 150 + 10mm trocar tip ss	4
		K-Wire D 2.2mm, length 280 + 20mm trocar tip ss	
		K-Wire D 2.5mm, length 150 + 10mm trocar tip ss	
		K-Wire D 2.5mm, length 280 + 20mm, trocar tip ss	
16.3.11	Large Fragment Instrument Set	Large Fragment Instrument Set (standard)	4
		4.5mm Cortex Screw, length 14mm, SS	
		4.5mm Cortex Screw, length 16mm, SS	
		4.5mm Cortex Screw, length 18mm, SS	
		4.5mm Cortex Screw, length 20mm, SS	
		4.5mm Cortex Screw, length 22mm, SS	
		4.5mm Cortex Screw, length 24mm, SS	
		4.5mm Cortex Screw, length 26mm, SS	
		4.5mm Cortex Screw, length 28mm, SS	
		4.5mm Cortex Screw, length 30mm, SS	
		4.5mm Cortex Screw, length 32mm, SS	
		4.5mm Cortex Screw, length 34mm, SS	
		4.5mm Cortex Screw, length 36mm, SS	
		4.5mm Cortex Screw, length 38mm, SS	
		4.5mm Cortex Screw, length 40mm, SS	
		4.5mm Cortex Screw, length 48mm, SS	
		4.5mm Cortex Screw, length 50mm, SS	
		4.5mm Cortex Screw, length 52mm, SS	
		4.5mm Cortex Screw, length 54mm, SS	
		4.5mm Cortex Screw, length 56mm, SS	
4.5mm Cortex Screw, length 58mm, SS			
4.5mm Cortex Screw, length 60mm, SS			
6.5mm Cancellous Bone Screw/16mm, length 65mm, SS			

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Large Fragment Instrument Set	6.5mm Cancellous Bone Screw/16mm, length 70mm, SS	4
		6.5mm Cancellous Bone Screw/16mm, length 75mm, SS	
		6.5mm Cancellous Bone Screw/16mm, length 80, SS	
		6.5mm Cancellous Bone Screw/16mm, length 85mm, SS	
		6.5mm Cancellous Bone Screw/16mm, length 90mm, SS	
		6.5mm Cancellous Bone Screw/16mm, length 95mm, SS	
		6.5mm Cancellous Bone Screw/16mm, length 100mm, SS	
		6.5mm Cancellous Bone Screw/16mm, length 105mm, SS	
		6.5mm Cancellous Bone Screw/32mm, length 25mm, SS	
		6.5mm Cancellous Bone Screw/32mm, length 30mm, SS	
		6.5mm Cancellous Bone Screw/32mm, length 35mm, SS	
		6.5mm Cancellous Bone Screw/32mm, length 40mm, SS	
		6.5mm Cancellous Bone Screw/32mm, length 45mm, SS	
		6.5mm Cancellous Bone Screw/32mm, length 50mm, SS	
		6.5mm Cancellous Bone Screw/fully threaded, length 20mm, SS	
		6.5mm Cancellous Bone Screw/fully threaded, length 25mm, SS	
		6.5mm Cancellous Bone Screw/fully threaded, length 30mm, SS	
		6.5mm Cancellous Bone Screw/fully threaded, length 35mm, SS	
		6.5mm Cancellous Bone Screw/fully threaded, length 40mm, SS	
		6.5mm Cancellous Bone Screw/fully threaded, length, 45mm, SS	
	6.5mm Cancellous Bone Screw/fully threaded, length, 50mm, SS		
	6.5mm Cancellous Bone Screw/fully threaded, length 55mm, SS		

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Large Fragment Instrument Set	6.5mm Cancellous Bone Screw/fully threaded, length, 60mm, SS	4
		Washer, 13/6.7 mm dia, for large cancellous Bone, Screws, SS	
		Dynamic compression plate (DCP) 4.5, Broad, 8holes, length 135mm, SS	
		DCP 4.5, Broad, 9holes length 151mm, SS	
		DCP 4.5, Broad, 12holes length 199mm, SS	
		DCP 4.5, Broad, 14holes length 231mm, ss	
		DCP 4.5, Broad, 16holes length 231mm, ss	
		DCP 4.5, Narrow, 6holes length 103mm, ss	
		DCP 4.5, Narrow, 7holes length 119mm, ss	
		DCP 4.5, Narrow, 8holes length 135mm, ss	
		T- Plate 4.5, 4 holes, length 84mm ss	
		T- Plate 4.5, 6 holes, length 116mm ss	
		T- Plate 4.5, 8 holes, length 148mm ss	
		T- Plate 4.5, 10 holes, ss	
		T- Plate 4.5, 12 holes, ss	
		T- Buttress Plate 4.5, 4 holes, length 81mm ss	
		T- Buttress Plate 4.5, 6 holes, SS Left	
		T- Buttress Plate 4.5, 8 holes, SS Left	
		T- Buttress Plate 4.5, 10 holes, SS Left	
		T- Buttress Plate 4.5, 4 holes, length 81mm SS Right	
		T- Buttress Plate 4.5, 6 holes, SS Right	
		T- Buttress Plate 4.5, 8 holes, SS Right	
		T- Buttress Plate 4.5, 10 holes, SS Right	
		L- Buttress plate 4.5, 4 holes, length 85mm, SS Right	
		Lateral Tibial head Buttress plates 4.5 for right leg. ss	

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Section	Item Name	Description	LOU
	Large Fragment Instrument Set	5 holes' length 117mm	4
		Lateral Tibial head Buttress plates 4.5 for right leg. ss	
		7 holes' length 149mm	
		Lateral Tibial head Buttress plates 4.5 for right leg. ss	
		9 holes' length 181mm	
		Lateral Tibial head Buttress plates 4.5 for right leg. ss	
		11 holes' length 213mm	
		Lateral Tibial head Buttress plates 4.5 for LEFT leg. ss	
		5 holes' length 117mm	
		Lateral Tibial head Buttress plates 4.5 for LEFT leg. ss	
		7 holes' length 149mm	
		Lateral Tibial head Buttress plates 4.5 for LEFT leg. ss	
		9 holes 9length 181mm	
		Lateral Tibial head Buttress plates 4.5 for LEFT leg. ss	
		holes 11 length 213mm	
		Drill Bit dia3.5mm, length 145/120mm,3 flute QCK Coupling	
		Drill Bit dia. 3.5mm, length 120/185,3 flute QCK Coupling	
		Drill Bit dia. 4.5mm, length 145/120mm, 3 flute QCK Coupling	
		Proximal Femoral Instruments Set	
		Proximal Femoral Nails, Stainless Steel, Size 10cm X 25cm	
	Proximal Femoral Nails, Stainless Steel, Size 11cm X25cm		
	Reconstruction Nails, Stainless Steel, Size: 10mmx40cm		
16.3.12	Skull Traction Kit	Adult	4
		Paediatric	
16.3.13	Small Fragments Instrument Set (Standard)	Small Fragments Instrument Set (Standard)	4



## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Small Fragments Instrument Set with implants	3.5mm Cortical Bone Screw/Fully threaded, length 12mm, SS	4
		3.5mm Cortical Bone Screw/Fully threaded, length 14mm, SS	
		3.5mm Cortical Bone Screw/Fully threaded, length, 16mm, SS	
		3.5mm Cortical Bone Screw/Fully threaded, length,18mm, SS	
		3.5mm Cortical Bone Screw/Fully threaded, length, 20mm, SS	
		3.5mm Cortical Bone Screw/Fully threaded, length, 22mm, SS	
		3.5mm Cortical Bone Screw/Fully threaded, length, 24mm, SS	
		3.5mm Cortical Bone Screw/Fully threaded, length, 26mm, SS	
		3.5mm Cortical Bone Screw/Fully threaded, length 28mm, SS	
		3.5mm Cortical Bone Screw/Fully threaded, length 30mm, SS	
		Washer 7.0/4.7mm dia for small screws, SS	
		4.0 mm Cancellous Bone Screw/Fully threaded, length 16mm, SS	
		4.0 mm Cancellous Bone Screw/Fully threaded, length 18mm, SS	
		4.0 mm Cancellous Bone Screw/Fully threaded, length 20mm, SS	
		4.0 mm Cancellous Bone Screw/Fully threaded, length 22mm, SS	
		4.0 mm Cancellous Bone Screw/Fully threaded, length 24mm, SS	
		4.0 mm Cancellous Bone Screw/Fully threaded, length 26mm, SS	
		4.0 mm Cancellous Bone Screw/Fully threaded, length 28mm, SS	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Small Fragments Instrument Set with implants	4.0 mm Cancellous Bone Screw/Fully threaded, length 30mm, SS	4
		4.0 mm Cancellous Bone Screw/Fully threaded, length 35mm, SS	
		4.0 mm Cancellous Bone Screw/Fully threaded, length 45mm, SS	
		4.0 mm Cancellous Bone Screw/Fully threaded, length 50mm, SS	
		4.0 mm Cancellous Bone Screw/Fully threaded, length 55mm, SS	
		4.0 mm Cancellous Bone Screw/Fully threaded, length 60mm, SS	
		4.0 mm Cancellous Bone Screw ½ threaded, length, 12mm, SS	
		4.0 mm Cancellous Bone Screw ½ threaded, length 30mm, SS	
		4.0 mm Cancellous Bone Screw ½ threaded, length 18mm, SS	
		4.0 mm Cancellous Bone Screw ½ threaded, length 20mm, SS	
		4.0 mm Cancellous Bone Screw ½ threaded, length 22mm, SS	
		4.0 mm Cancellous Bone Screw ½ threaded, length 24mm, SS	
		4.0 mm Cancellous Bone Screw ½ threaded, length 26mm, SS	
		4.0 mm Cancellous Bone Screw ½ threaded, length 28mm, SS	
		4.0 mm Cancellous Bone Screw ½ threaded, length 30mm, SS	
		4.0 mm Cancellous Bone Screw ½ threaded, length 32mm, SS	
		4.0 mm Cancellous Bone Screw ½ threaded, length 35mm, SS	
	4.0 mm Cancellous Bone Screw ½ threaded, length 40mm, SS		

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Small Fragments Instrument Set with implants	4.0 mm Cancellous Bone Screw ½, length 45mm, SS	4
		4.0 mm Cancellous Bone Screw ½, length 50mm, SS	
		4.0 mm Cancellous Bone Screw ½ threaded, length 55mm, SS	
		4.0 mm Cancellous Bone Screw ½ threaded, length 60mm, SS	
		DCP 3.5 SS. Holes 5, length 62mm	
		DCP 3.5 SS. Holes 6, length 74mm	
		DCP 3.5 SS. Holes 7, length 86mm	
		DCP 3.5 SS. Holes 9, length 110mm	
		DCP 3.5 SS. Holes 10, length 122mm	
		T-Plate 3.5, right angled, 3/3 holes, length 50mm, SS	
		T-Plate 3.5, right angled, 4/4 holes, length 56mm, SS	
		T-Plate 3.5, right angled, 3/3 holes, length 74mm, SS	
		T-Plate 3.5, right angled, 5/3 holes, length 74mm, SS	
		One- third tubular plate 3.5 with collar, 5 holes, length 64mm, SS	
		One- third tubular plate 3.5 with collar, 6 holes, length 76mm, SS	
		One- third tubular plate 3.5 with collar, 7 holes, length 88mm, SS	
		One- third tubular plate 3.5 with collar, 8 holes, length 100mm, SS	
		Reconstruction plates 3.5, straight SS, holes 5, length 58mm	
		Reconstruction plates 3.5, straight SS, holes 6, length 70mm	
	Reconstruction plates 3.5, straight SS, holes 7, length 82mm		

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Small Fragments Instrument Set with implants	Reconstruction plates 3.5, straight SS, holes 8, length 94mm	4
		Reconstruction plates 3.5, straight SS, holes 9, length 106mm	
		Reconstruction plates 3.5, straight SS, holes 10, length 118mm	
		Reconstruction plates 3.5, straight SS, holes 12, length 142mm	
		Reconstruction plates 3.5, straight SS, holes 12, length 166mm	
		Reconstructive plates 3.5, curved, SS, holes 4	
		Reconstructive plates 3.5, curved, SS, holes 5	
		Reconstructive plates 3.5, curved, SS, holes 6	
		Reconstructive plates 3.5, curved, SS, holes 7	
		Reconstructive plates 3.5, curved, SS, holes 8	
		Reconstructive plates 3.5, curved, SS, holes 9	
		Reconstructive plates 3.5, curved, SS, holes 10	
		Reconstructive plates 3.5, curved, SS, holes 11	
		Reconstructive plates 3.5, curved, SS, holes 12	
		Reconstructive plates 3.5, curved, SS, holes 13	
		Reconstructive plates 3.5, curved, SS, holes 14	
		Drill Bit dia. 2.5mm, length 100/75mm, mini QCK Coupling	
		Drill Bit dia. 3.2mm, length 240/215mm, mini QCK Coupling Drill Bit dia. 3.5mm, length 100/85mm, 3 flute QCK Coupling	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
<b>16.4 ENT/Audiology</b>			
16.4.1	Endoscopic Sinus surgery set	High performance light cable	4
		1 Boucheron Ear Speculum Set/4	
16.4.2	ENT SET	1 Vienna Infant Size	4
		Vienna Child Size1 Vienna Adult Size	
		1 Halle Adult Size	
		1 Wilde Fcp Angled Serr Jaw 5"	
		1 Lucae Bayonet Serr 5 1/2"	
		1 Pomeroy Syringe W/ll 0.118litre Chrome	
		1 Buck Ear Curette Bl Straight no 0, 1, 2	
		1 Hartmann Alligat 3 1/2 Serr Fcp	
		1 Wieder Tongue Depressor Sm	
		1 Laryngeal Mirror W/handle Sz1	
		1 Laryngeal Mirror W/handle Sz2	
		1 Laryngeal Mirror W/handle Sz3	
		1 Laryngeal Mirror W/handle Sz4	
		1 Laryngeal Mirror W/handle Sz5	
1 Laryngeal Mirror W/handle Sz6			
Buck ear curette, dull size 1			
16.4.3	Foreign body removal set	Billeau ear loop, size 2	4
		Ear hook, small 0.5mm diameter	
		Farrior ear speculum round no 1-5mm, no 2-6mm, no 3-7mm, no 4-8mm	
		Endural speculum	
		Baron suction tube with cut off 3FR, 5FR, 7FR	
		Lucae dressing ear forceps, delicate	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Foreign body removal set	Noyes ear forceps, serrated	4
		Hartmann ear forceps, 2x5mm delicate jaw	
16.4.4.	Myringoplasty set	a) Aural Ear Speculum	4
		b) Sickle Myringoplasty knife	
		c) Ball	
		d) Probe	
		e) Flag Knife	
		f) Cat's Paw Retractor	
		g) Circular Saw	
16.4.5	Thyroidectomy set	<i>Specification as per MOH essential medical supplies 2020 (Page 371)</i>	4
16.4.6	Tonsillectomy set	1- Edinburgh tray 12"x 18"x3"1- Dennis Brown tonsil holding forceps",	4
		6- Backhaus towel clips 3"	
		1- Pillar retractor,	
		2- Negus artery forceps curved 7"	
		2- Negus artery forceps fully curved 7"	
		1- Birkets artery forceps straight 7"	
		1- Waugh's dissecting forceps toothed 7",	
		1- Waugh's dissecting forceps non-toothed7",	
		1- McIndoes scissor straight 7",	
		1- McIndoes scissors curved 8",	
		1- Beckman adenoid current size 4,	
		1- Beckman adenoid current size No.7/8	
		1- Careless ligature scissors straight 5",	
		1- Yanker suction tube with cup 12",	
		1- Dennis brown mouth Gaga,	
3- tongue blades non- grooved			

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	Tonsillectomy set	2- tonsil holding forceps(curved), 2- Kidney Dish 8", 4- Galipots 4".	4
16.4.7	Tracheostomy set	(Stainless steel) Tissue tweezers Mosquito forceps, Cooper scissors, Muscle retractor, Mayo needle holder, Guide wire, Dilating forceps Dilating forceps	4
<b>16.5 Ophthalmology</b>			
16.5.1	Cataract, Extra Capsular Cataract Extraction (ECCE) SET	Universal Corneal Scissor Fine Curved Blades Castroviejo Corneoscleral Scissors, Small Blade, Left Castroviejo Corneoscleral Scissors, Small Blade, Right Barraquer Iris Scissors Blunt Westcott Tentomy scissors Standard Blades Curved, 12cm Blunt Tip Westcott Stitch Scissors Vannas Capsulotomy Scissors, Angle. Forward, 11mm Blade Iris Scissors, Straight Colibri Forceps, 1x2 Teeth, 0.12mm Mc Pherson Corneal Forceps, 1 x 2 Teeth Bishop-Harmon Tissue Forceps, Delicate 0.8mm St. Martin Suturing Forceps, 1 x 2 Teeth Dastoor Superior Rectus Forceps, 1x2 Teeth Wills Hospital Utility Forceps	4

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Cataract, Extra Capsular Cataract Extraction (ECCE) SET	Arruga Capsule Forceps	4
		Shepard IOL Forceps	
		Jaffe Tying Forceps, Straight	
		Mc Pherson Tying Forceps	
		Hartman Mosquito Forceps, Straight	
		Hartman Mosquito Forceps, Curved	
		Kalt Needle Holder, Straight	
		Barraquer Needle Holder, Short Model, M. Jaws, Cur. w/o Lock	
		Barraquer Needle Holder, Standard Jaws, Curved Jaws, w/o Lock	
		Barraquer Wire Speculum, Large	
		Rycroft Air Injection Cannula, 16G	
		Pearce Hydro Dissection Cannula, 35? Ang. 25G	
		Kellan Hydro delineation, Curved Bevel Tip, 25G	
		Jensen Capsule Polisher, Sand Blast Olive Tip, 23G	
		Took Corneal Knife	
		Sinsky II Lens Manipulation Hook, Angled	
		Iris Hook and Lens Manipulator Push Pull Model	
		Barraquer Iris Spatula, 0.25mm, Angled	
		Ovation Lens Expressor	
		Nightingale Capsule Polisher, Posterior	
		Lewis lens Loop, Small (Wire Vectus)	
	Castroviejo Calliper, Straight		
	Schadel Towel Forceps 90mm Length		
	Serrefine Small, Straight		



## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Cataract, Extra Capsular Cataract Extraction (ECCE) SET	Troutman Blade Breaker and Holder, Small	4
		Blade Handle Flat	
		Knolle -Pearce irrigation Vectis	
		Silicone Bulb with Adapter	
		Sterilization Box with Two Silicone Mats	
16.5.2	Corneal Transplant Set	Barraquer wire speculum	4
		Castroviejo corneal trephine size 7.5mm	
		Castroviejo cyclodialysis/syvechia spatula double ended	
		Calliper straight	
		Slimeline colibri forceps	
		Mosquito forceps straight	
		Mosquito forceps curved	
		Towel clip cross action	
16.5.3	Glaucoma Set	Barraquer Wire Speculum, Large	4
		Took Corneal Knife	
		Castroviejo Cyclodialysis Spatula, Double End	
		Castroviejo Caliper, Straight	
		Colibri Forceps, 1 X 2 Teeth	
		Eye Dressing Forceps, Straight	
		Jaffe Tying forceps, Curved	
		Hartman Mosquito Forceps, Straight	
		Hartman Mosquito Forceps, Curved	
		Towel Clip	
		Castroviejo Corneal Scissor, Small Blades	
		Westcott Stitch Scissors	
		Vannas Scissor Curved	
		Vannas Capsulotomy Scissor Angled, 11mm Blade	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	Glaucoma Set	Eye Scissor Curved	4
		Stevens Tenotomy Scissors, Curved	
		Bard Parker Handle	
		Kelly Detachment Punch	
		Harms Trabeculotomy Probe, Right	
		Harms Trabeculotomy Probe, Left	
		Rycroft Air Injection Cannula, 27G	
		Anterior Chamber Cannula, 16G	
		St. Martin Forceps	
		McPherson Corneal Forceps, 1 X 2 Teeth	
		McPherson Tying Forceps, Angled 11mm	
		McPherson Tying Forceps, Angled 11mm	
<b>16.6 Neurological</b>			
16.6.1	Craniotomy Set	- Rampley Sponge Holding Forceps- 5 pc	5
		- Bard Parker Handle No. 4-2pc	
		- Bard Parker Handle No. 3-1pc	
		- Bard Parker Handle No. 7 – 1pc	
		-Mayo Scissor 7½” Curved-1pc	
		-Mayo Scissor 7” Curved -2pc	
		- McIndoes Scissor 7” Curved- 2pc	
		- Delicate Metzenbaum Scissor Curved- 1pc	
		- Careless Ligature Scissor -1 pc	
		- Bonney Dissecting Forceps Toothed 7”- 1 pc	
		- Adson Dissecting Forceps Non-Toothed 5”- 1 pc	
		- Adson Dissecting Forceps Toothed 5” - 1pc	
		- Trevers Dissecting Forceps Non-Toothed 8” -1 pc	

## A. Essential General Medical Supplies

Section	Item Name	Description	LOU
	Glaucoma Set	- Cairn Artery Forceps Curved 7" -24 pc	5
		- Cairn Artery Forceps Straight 7" – 6pc	
		- Allis Tissue Forceps 6" -4pc	
		- Kocher Artery Forceps Straight 7" -2 pc	
		-Backhaus Towel Clips 5¼"- 12 pc	
		- Cairns Rake Scalp Retractor 4 Prong 8¼" -2pc	
		- Hudson Brace 10" - 1pc	
		- Harper Laminectomy Punch -1 pc	
		- Cone Laminectomy Retractor 5¼" -2pc	
		- Cone Laminectomy Retractor 10½" - 2pc	
		- Lakellis Ronguer Double Action 9¾"- 1pc	
		- Luer Jansen Rongeur Forceps (Duckbill) 2x10mm-1pc	
		- Mack socks Periosteal Elevator -1 pc	
		- Cushing Periosteal Elevator 2x10mm- 1pc	
		- Nasal Polyp Forceps Watson Williams - 1pc	
		- Cushing Intravertebrae Roungein Upwards2x10mm- 1pc	
		- Swedish Model Double Ended Dissector -1pc	
		- Macdonald Dissector -1pc	
		-Gigli Saw Handle- 4 pc	
		- Gigli Saw Guide & Protector- 4 pc	
		- Johnson Tumor Forceps – 1pc	
		- Cairn Dura hook 5½"- 1 pc	
	- Cairn Brain Cannula with Stillete- 1 pc		
	- Frazier Suction Tube 11 Fr with Stillete - 1pc		

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	Glaucoma Set	- Frazier Suction Tube 9 Fr with Stillete - 1pc	5
		-Stanley Boyd Scoop Double Ended 6'' -1 pc	
		- Kilner Needle Holder 5½'' -1 pc	
		- Mayo Needle Holder 6'' - 1pc	
		- Insulated Bayonet Bipolar Forceps -1pc	
		- Bayonet Bipolar Forceps Non – Toothed (Blue Holder) 7¼''- 4pc	
		- Mayo Pins 4''-4pc	
		- Carbide Tip Needle Holder 5'' -1pc	
		- Bars No. 14 -2pc	
		- Ligature Clip Applying Forceps (Blue Handles) -1pc	
		-Malleable Brain Retractor -4 pc	
		- Adson Dura Needle Holder 5½''-1pc	
		Perforator- 1 pc	
		-Stile Luer Ronguer (Straight)- 1 pc	
		- Lane Dissecting Forceps Toothed 5'' -1 pc	
		-SS Suitable tray 18" x 24" x 4''- 1pc	
		-Kidney dish -2pc	
		-Bowls-2pc	
<b>Section A: 17.0 Devices</b>			
<b>17.1 General</b>			
17.1.1	Basins	<i>Metallic ss:</i>	2
		a) Small	
		b) Medium	
		c) Large	
17.1.2	Bedpans	<i>Plastic:</i>	2
		a) Small	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Bedpans	b) Medium	2
		c) Large	
		<i>Stainless steel:</i>	
		a) Small	
		b) Medium	
		c) Large	
17.1.3	Breathing Circuits Reusable	a) Mapleson A	4
		b) Mapleson B	
		c) Mapleson C	
		d) Mapleson D	
		e) Mapleson E	
		f) Mapleson F	
		g) Semi-closed circle	
		h) Closed circle	
		Angle piece: (elbow) 90-degree rotation	
17.1.4	Bucket	Stainless steel (medium)	3
17.1.5	Derma carrier	Disposable/cellulose propionate board 3'*8	4
		a) 1:1	
		b) 1:2	
		c) 1:4	
		d) 1:5	
17.1.6	Hegars dilators (brachytherapy)	Double ended with round smooth ends. Austenitic steel, reusable	4
		a) 3mm	
		b) 4mm	
		c) 5mm	
		d) 6mm	
17.1.7	Heightometer	Foldable (Width X Height X Depth) 328cm, 2145cm, Sizes:	2
		574cm, weight 3.6kg	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
17.1.8	Lotion bowls	Stainless steel	2
		a) Small	
		b) Medium	
		c) Large	
17.1.9	Loupes	Magnification: 10x,15x,20x,25x, material ABS dimension 210x140x58mm/8.3x5.5x2.3”, surgical glasses with LED headlights	
17.1.10	NIBP Hose,	With Inbuilt Connector Specific and compatible to machine.	4
17.1.11	Patellar Hammers	Neurologic: Plastic handle, black rubber rimmed hammer Wartenberg Pinwheel Reflex hammers; sizes; a) 23cm b) 33cm	2
17.1.12	Penguin sucker	Features: Soft, flexible suction tip with length and shape designed to reduce potential harm to newborn.	2
		Reusable and can be sterilized with autoclaving or high-level disinfected with boiling or chemical disinfection.	
		Detachable head for easy cleaning and visual inspection of suctioned matter and cleanliness.	
		Made of high-grade clear /translucent silicone to withstand hundreds of uses.	
		Ergonomic form for precise control	
		Stands upright and will not roll away	
17.1.13	Procedure Tray	Stainless steel, rectangular, size 22.5 x 11.5 x 5cm/8.85 x 4.52 x 0.78”, Weight 103g Appx	2
17.1.14	Reusable SPO <sub>2</sub> Sensor	Adult, Finger-Clip	4
		Paediatric, Finger-Clip	
		Neonate, Bandage	
17.1.15	Reusable Temperature Probe (Skin Surface) sensor	a) adult size b) paediatric size	4

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
17.1.16	Staple remover (Plastic surgery and General Surgery)	Stainless steel sterile skin staple remover tool	2
17.1.17	Sterilization Drum	With Effective Clip Lock System.	2
		a) Small b) Medium c) Large	
17.1.18	Tuning Forks	Aluminium, frequencies: 125Hz, 250Hz, 500Hz, 1000Hz, 2000Hz, 4000Hz	3
17.1.19	Urinals	<b>Male:</b>	2
		a) Stainless steel;	
		- Small - Medium - Large	
		b) Clear polypropylene male urinal bottle with a handle, snap on lid and calibrated for output recording.	
		<b>Female:</b>	
		a) Urinal petal (Lightweight, strong and durable, Secure fitting bung to prevent leaks and spills).	
b) Urinal bottle (Anatomically shaped for female use, Lightweight, strong and durable, Clear, easy to read graduations, Easy grip handle - particularly suitable for those with limited hand movement, Smooth material surfaces ensure ease of use and ease of cleaning, Guaranteed for a minimum of 1000 wash cycles			
<b>17.2 OBSGYN/Urology</b>			
17.2.1	CUSCO'S VAGINAL SPECULUM	Small (5.5 x 3.5 cm)	2
		Medium (9.5 x 3.5 cm)	
		Large (11.5 x 3.5 cm)	
17.2.2	Graves speculum	Extra small 19 x 70mm	2
		Small 19mm x 76mm	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	Graves speculum	Medium 35 x 102mm	2
		Large 35 x 121mm	
		Extra-large 38 x 165mm	
		Extra-long 38 x 152mm	
17.2.3	Tischler cervical biopsy punch forceps	High Quality 11" baby Tischler rotating cervical biopsy punch forceps Stainless steel, Non-ratcheted, Double spring, Standard bite-3.0mm x7.0mm, Shaft 10" (25.4cm), 8" (20.3cm)	4
<b>17.3 Orthopaedic products.</b>			
17.3.1	Adjustable Clamps	a) Small	4
		b) Medium	
		c) Large	
17.3.2	Bohler Stirrups	a) Small	4
		b) Medium	
		c) Large	
17.3.3	Steel Steinman pins ss	a) 3.5mm	4
		b) 4.0mm	
		c) 4.5mm	
		d) 5.0mm	
17.3.4	Cast (plaster) benders	a) Electric	3
		b) Manual	
17.3.5	Cast (Plaster) Knife	Stainless steel	3
17.3.6	Cast (plaster) Saw	For cast cutting or removal	3
17.3.7	Cast (Plaster) Scissors	Stainless steel	3
17.3.8	Cast (plaster) shears	22cm, stainless steel	3
17.3.9.	Cast (plaster) spreaders	Small	3
		Large	
17.3.10	Chest binders	Stainless steel	4
17.3.11.	Introducer with a chunk key	Stainless steel	4



<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
17.3.12	Mini external fixators	a) Medium	4
		b) Large	
17.3.13	Pelvic binders	Manual	2
17.3.14	Plaster Cutter	Manual	3
17.3.15	Skull Callipers	a) Child size	5
		b) Adult size	
17.3.16	Splints	Braun- Frame painted stainless steel	4
		Thomas- adult and paediatric size	
		Orthopaedic Pearson splint with pulley-	
17.3.17	Tube to Tube Connectors	Square/round/stainless steel/plastic	4
17.3.18	Tubular Rods	Tube/ rectangular	4
17.3.19	Weights Traction	Mild steel with Assorted weights 2,3,4,5,6,7,8 in Kg	4
17.3.20	Zip Cutting Strip	Cast removal aid	3
<b>17.4 ENT/Audiology</b>			
17.4.1	Cerumen loop	Stainless Steel	2
		plastic loop or spoon	
		L shaped cerumen loop	
17.4.2	Crocodile forceps	Foreign body crocodile oesophagus crocodile forceps, ss,3mm,3.5, 5.5mm,6.5mm by 0.9mm 8",10",12"	4
17.4.3	Jobsons' Aural Probe	Stainless steel Manual Straight 140mm (5.5") diam.	3
		3mm adult size, paediatric size	
17.4.4	Laryngeal mirror	With handle	3
		Mirror Sizes:	
		a) 0.8mm diameter	
		b) 0.10mm diameter	
		c) 1.12mm diameter	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	Laryngeal mirror	d) 2.14mm diameter e) 3.16mm diameter f) 4.18mm diameter g) 5.20mm diameter h) 6.22 mm diameter	3
17.4.5	Thudichums Speculums	Stainless steel Sizes: a) 2 b) 3 c) 4 d) 5 e) 6	4
17.4.6	Tilley's Forceps	Stainless steel Length straight 130mm (5 1/8") working length 76mm, knee bent.	4
<b>18 Equipment/Machines/Devices</b>			
<b>18.1 General</b>			
18.1.1	Ambubags (resuscitator with its accessories)	a) Clear/ translucent Silicon, Autoclavable, 1 Air Inlet Valve, Adult b) Clear/ translucent Silicon, Autoclavable, 1 Air Inlet Valve, Child c) Clear/ translucent Silicon, Autoclavable, 1 Air Inlet Valve, infant/neonate,	2
18.1.2	Anaesthesia Machine-	(Advanced W/Vaporizer, LCD Display, Ventilator, Flowmeters) Gas vaporizer anaesthesia machine with ventilator size child and adult	4
18.1.3	Autoclave	Fully Automatic Vertical Non-Pulse Vacuum a) 50 litres b) 80 litres c) 100 litres	3

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Autoclave	Fully Automatic Horizontal non-pulse Autoclave	3
		a) 50 litres	3
		b) 80 litres	
		c) 100 litres	
		Table Top Steam Autoclave	2
		a) 8 litres	
		b) 18 litres	
		c) 23 litres	
	d) 45 litres		
18.1.4	Bed blocks	Assorted shapes according to use	4
		a) Wood	
		b) Plastic	
18.1.5	Bed Cradle	a) Small	3
		b) Medium	
		c) Large	
18.1.6	Biopsy gun	Automated/ semi-automated, reusable/ disposable, 14 X 10 gauge or 16 X 10 cm gauge Core biopsy needle, use with core biopsy gun; 14 X 10 gauge or 16 X 10cm gauge	4
18.1.7	Biosafety cabinets (Class 2B)		4
18.1.8	Bronchoscopes	Channel width:2.0mm, working length 600mm, field of view 110°, direction of view 0° Forward viewing, depth of field 2-50mm, Outer diameter 4.2mm Distal end.	4
		a) Paediatric	
		b) Adult	
18.1.9	Cabinets	Bed side on castors	2
		a) Metallic: 40x40x80cm	
		b) ABS: Patient locker, size: 40x40x80cm	
		Storage, Medicine with lockable work space, stainless steel	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Cabinets	a) Small	2
		b) Medium	
		c) Large	
18.1.10	Carts, Medication	Ward drug / medicine dispensing trolley large size	3
		a) With pigeon box	
		b) Without pigeon box	
		Trolley Medicine (ABS Trolley)	
		Medicine Trolley Stainless Steel	2
18.1.11	Carts, Resuscitation	Trolley-Emergency (WGR054-Et) Size – 750 x 475 x 920mm	2
		Emergency medicine trolley: Aluminium alloy column with ABS engineering plastic construction, base with dia-125mm castors, two of which with breaks, five drawers, two small drawers inner with medicine divider, two middle and one large, which can be operated both sides, frame with medicine box, file cassette, needle disposal container holder, waste tub size L850 x W520 x H1045mm	
18.1.12	CHVs Weighing Scale	(Hanging Type) child	2
18.1.13	Commode chair	Aluminium Alloy, metal rubber. Foldable, dimension 24.75W x 41.25D x 34.25H	3
18.1.14	Cooler Box	(WHO Pre-Qualified)	2
		a) Small (5-15L), short range	
		b) Small (5-15L), long range	
		c) Large (15-25), short range	
		d) Large (15-25L), long range	
18.1.15	CPAP Machine	Including straps to position the mask, hose/tube that connects the mask to the machine motor, air filter	4

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
18.1.16	Cryotherapy machine	Probe, trigger, Handle grip (fiber glass), Yoke, inlet of gas from cylinder, tightening knob, pressure gauge showing cylinder pressure, silencer, gas conveying tube, probe tip	3
18.1.17	Defibrillator	Automated External defibrillator	3
		Electrical Manual Defibrillator	2
18.1.18	Dial Refrigerator Freezer Thermometer	With hook and panel base 3	2
18.1.19	Dialysis Machine	Standard (Ref. MOH Specification for medical supplies August 2020)	4
18.1.20	Dispensers	Wall mount vertical Liquid/Foam Soap	2
18.1.21	Drip stand	Double hook with castors stainless steel tubular rod, adjustable height	2
18.1.22	Electrocardiogram Machine	Touch screen and function keys. Store up to 1000 cases	4
		a) 12 Channel 1200, With trolley	
		b) 12 Channel 1200, without trolley	
		c) 5 Channel	
18.1.23	Electroconvulsive machine	Pulse configuration bidirectional square wave, output current 0.9Amp (constant) frequency range 20 – 90Hz in 6 steps, Pulse with 0.1 to 2cm in 6 steps	5
18.1.24	Endoscopy tower /Machine	To include both upper GI and colonoscopy with Camera processor, monitor, light source, video recorder/ printer, suction system, trolley with hanger, leak tester, 1 gastroscope, 1 colonoscope. Endoscopic Biopsy forceps for upper and for lower GIT: diameters of 1.8 mm, 2.3 mm and 3.0 mm; lengths of 120, 180, 230 and 260 cm. Scope re-processor -Automatic	4
18.1.25	Examination/Treatment coach	MSC standard examination couch size: 183L x 50W x 82H cm loading capacity 150kg, back section 0-75 degrees, mounted on wheels with brakes complete with 3 drawers, paper roll holder and ss tray, top upholstered and covered with washable plastic material	2
18.1.26	Flow meter (oxygen)	Oxygen regulator side flow meter	2
		a) Single with Wall Probe	
		b) Twin with Wall Probe	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Flow meter (oxygen)	c) Single for oxygen cylinder	2
		d) Twin for oxygen cylinder	
18.1.27	Fluid Warmer	One bag warmer	2
		Three bags warmer	
		Intravenous and irrigation fluid warmer 80litre capacity, 2 shelves, multi-bag warmer, 500W x 575D x 625H mm, Temp -setting 34 to 42 degrees Celsius, warm up time not more than 5min, iv diameter up to 4.5mm	3
18.1.28	Food Trolley	Hospital stainless steel food trolley (electric heated for keeping food warm), two shelves on castors (heavy duty heels) 750 x 700 x 900mm	3
18.1.29	Footstools	Heavy duty rust resistance multifunctional versatile Two/Three-Step	2
18.1.30	Fridge Tag	Software for Data verification, External sensors, 30 days electronic temperature logger	2
18.1.31	Gauze cutter	Electric Portable obtain easily, 2.5cm height can easily cut fabric for deployment, Vibration free operation allows easy cutting, Blade diameter is 100mm, Automatic knife sharpening feature, 220V, Blade available in front of protective enclosure.	2
18.1.32	Haemafuse	Auto-transfusion Device (Complete unit with Accessories) pump, collection barrel, O ring, plunger and nozzle, haemafuse filter, Yanker tip and suction connector, short tubing, maleleu, lock stop cock and blood bag spike.	2
218.1.33	Hospital Bed	Delivery Bed Stainless Steel W/Stirrups	2
		Bed, Delivery Hydraulic-BT665M	
		ICU 5 Function with Weight, Abs, Drip Stand and CPR Function	4

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Hospital Bed	Electric (Wg001-1) Skd-C 5 Functions- L*W*H-2330*1065*(540-830) Mm, Mattress P. Form-1925*900Mm	4
		Electric (Wg001-10) Skd-C 5 Functions, Ext L*W*H-2280*1065*(460-750) Mm Pc.	
		Electric (Wg005-4) Skd-C 3 Functions, Ext L*W*H-2160*950*(400-740) Mm, Mattress -1925*830Mm Pc.	3
		Electric (Wg001-8) Skd-C 3 Functions, Ext L*W*H-2160*1060*(435-740) mm, Mattress -1925*900Mm Pc.	
		Manual (Wg002-3M) Sk-Cd1 3 Cranks, Ext L*W*H-2230*1015*(480-820) Mm, Mattress -1925*900Mm, Pc.	
		Manual (Wg033-3) Sk-C1 Ext L*W*H-2160*950*500Mm, Mattress -1925*830Mm, Pc.	2
		Manual (Wg031) Sk-C1 2 Cranks, Ext L*W*H-2160*950*500Mm, Mattress -1925*830Mm, Pc.	
		Manual (Wg014) Sk-Cd1 3 Cranks, Ext L*W*H-2160*950*(420-740) Mm, Mattress -1925*830Mm, Pc.	3
		Hospital Bed (Single Crank with No Side Rails & Castors) Std.2030mm(L)X900mm(W)X530mm(H) Pc	2
		Hospital Bed (Single Crank) on Castor STD. Piece	
		Hospital Bed (Single Crank) With Side Rail STD. Piece	
		Single Manual Crank Bed Wg-Hb2-1 Jx-2180 X 1000 X 500Mm Swl 240Kg	
		Bed Electric 5 Function Bt605Epz,214X100, 44-77Cm Piece	4
		Bed Hospital (Single Crank) On Castor Wheels with Side Rails. Pc	2

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Hospital Bed	Bed Manual (Children), 2 Cranks with 10cm mattress	2
		Stainless steel multifunctional orthopaedic bed with bulkam bim (size 2030mm (L)x900mm(W)x530mm(H), traction pulleys and brackets, four function: back rest 0-70degrees, knee rest 0-35degrees, Trendelenburg 10+-2 degrees, reverse Trendelenburg 10+-2 degrees and the leg section is divided into two parts which is convenient to the patient	4
		Cholera bed; collapsible frame, off-center hole, pvc material steel frame and IV drip pole attached.	4
		Infants, baby cots Stainless steel (Standard) with 4 castors size 36 x 22 x 36	2
18.1.34	Hospital patient trolley	Hospital patient trolley bed with oxygen cylinder carrier and rails (stretcher), height adjustable, stainless steel, sponge PVC bed plate surface	2
18.1.35	Humidifier bottle	Compatible with wall mounts, oxygen concentrators, and mobile oxygen cylinders specific to primary source installation	2
		a) 100mls	
		b) 150mls	
		c) 200mls	
18.1.36	Humidifiers, Artificial Airway	Breathing tube (heated or unheated) breathing tube heater, heated breathing tube controller and temperature sensor	3
18.1.37	Ice packs	Icepack for vaccine carrier white/ blue size:0.3L, 0.4L, 0.6L	3
18.1.38	Incubators	Infant Incubator with 3 Mode Set temperature, air temperature, baby temperature, humidity concentration is displayed and Phototherapy B-1000 GI	2



A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
18.1.39	Infusion Pumps,	Enteral Feeding: Pumping mechanism curvilinear peristaltic. Flow rate 10-2000ml/h, volume 1-9999ml, accuracy +/-10%, alarms end program purge and withdraw available	4
		Fluid: pumping mechanism curvilinear peristaltic, compatible with IV sets of any standard, flow rate 1-1100ml/h, flow rate +/-3% volume 1-9999ml, KVO rate 4ml/hr. alarms for occlusion, air-in-line (ultrasonic detector), door open, end program, low battery, real time shift totals automatic power switching, mute button, bolus, system malfunction alarm	
18.1.40	Instrument trolley	Stainless steel, with stand on castors, Standard size.	2
18.1.41	Kick about bucket	Stainless steel, size L550 x W420 X H880 mm	4
18.1.42	Laryngoscope handle with blade	Reusable:	2
		a) Blade straight size 0,1,2,3,4	
		b) Blade curved size: 0,1,2,3,4	
		Single use:	
		a) Blade straight size 0,1,2,3,4	
		b) Blade curved size: 0,1,2,3,4	
18.1.43	Loop Electrosurgical Excision Procedure (LEEP) Machine	Watts: cut, blend and Coag 10-100, Voltage 120 VAC 60Hz, Max Voltage: cut 600v/Blend 600v/ Coag 4000v, Dimensions 22.4" X 22.07" X 41.22" (57 x 56.06 x 104.7cm) W x D x H, Current 3.15Amps	3
18.1.44	Lights, Examination	LED light Base, with castors Minimum 14cm fixed focus, Illumination intensity, Power requirements:100-240 volts, On/off switch	3
18.1.45	Linen/ Laundry Trolley	Linen trolley (stainless steel patient ward room linen cart) 119cm*50cm*94.5cm with 3 stackable shelf and a dirty linen bag/bin holder on castors	2

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
18.1.46	Ripple Mattress	Mattress Systems, Alternating-Pressure	3
18.1.47	Measuring tape for mid upper arm circumference	a) Infant/ newborn	4
		b) Child	2
		c) Adult	
18.1.48	Mobile Patient hoist (medical)	Extensive Lifting Range, provide up to 100 lifts from a single charge, actuator provides both powered and manual lowering devices in case of low battery, Quiet, Large wheels that provide a comfortable and smooth transfer, Braked castors, Adjustable Legs, Interchangeable Battery Packs, Safe working load 160-400kg	4
18.1.49	Nebulizing machine	a) Adult: portable compressor nebulizer with a set of accessories	4
		b) Paediatric: portable compressor nebulizer with a set of accessories	2
18.1.50	Non-pneumatic antishock Garment (NASG)	Light weight(1.5kg), Washable and reusable, Made of neoprene /nylon. Fastened with Velcro over foam compression ball, Tummy total width: 120cm, Total hip width :96.5cm, Total length:123cm	2
18.1.51	Operating Theatre Lamp	a) Light Ceiling Mount-Hyled 200	4
		b) Operating Theatre Light Mobile Hyled 200	
		c) Operating Theatre Light Ceiling Mount Double Version -Hyled 600 With Accessories	
		d) Operating Theatre Light Ceiling Mount Single Version Hyled 600 With Accessories	
		e) Control unit SMPS, Light head Diameter 53cm, Illumination intensity 120,000 Lux, Colour rendering index 93, No of LEDs 63	
18.1.52	Oximeters, Pulse	Finger held with portable accessories; probes for	2

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Oximeters, Pulse	a) Adult	2
		b) Paediatric	
		c) Neonates	
		Hand held with portable accessories; probes for:	
		a) Adult	
		b) Paediatric	
		c) Neonate	
18.1.53	Oxygen concentrator with flow meter	Oxygen concentrator flow rate 0-8L/min, purity oxygen concentration >90%, outlet pressure (Mpa 0.04-0.07, sound level <50db, power failure alarm and high-low pressure	3
18.1.54	Oxygen Gas Cylinder	Parameters; Bull nose vale, Colour coded, With a bull nose spanner	3
		Capacity:	
		a) 4.6L	
		b) 11L	
		c) 20L	
		d) 40L	
	e) 50L		
18.1.55	Patient Monitors	a) Multi parameter patient monitor (ECG, Respiration, Temp, NIBP, SpO <sub>2</sub> and PR monitoring portable with stand	2
		b) Multi parameter patient monitor (ECG, Respiration, Temp, NIBP, SpO <sub>2</sub> , PR and cerebral monitoring wall mountable	
18.1.56	Pen-torch and batteries	Mini reusable led, Outdoor portable nurse penlight, Aluminium alloy 2 AAA batteries	2
18.1.57	Phototherapy unit	Blue light phototherapy light	2
		a) Infant Radiant Warmer with three Mode Control (pre-warm mode)	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Phototherapy unit	b) Infant Incubator with One Mode manual mode and baby mode control by micro-computer	2
18.1.58	Procedure trolley	Stainless steel, size 700 x 480 x 900 mm	2
		Stainless steel with bin and bowl holder and a single drawer, size; L640mm x W439mm x H915mm	
18.1.59	Refrigerator	WHO Pre-Qualified Medical fridge (for medicine) assorted capacity	2
		Combined Refrigerator and Freezer (for medicine storage)	
		<i>Electrical:</i>	
		a) Fridge (WHO prequalified) maintains temperature 2° Celsius to 8° Celsius assorted capacity	
		b) Freezer (WHO prequalified) maintains temperature -21 ° to -15° Celsius and convertible to 2° Celsius to 8° Celsius (assorted capacity)	
		c) Icepack Freezer (WHO prequalified)	
		<i>Solar:</i>	
		a) Refrigerator (WHO prequalified) maintains temperature 2° Celsius to 8° Celsius assorted capacity	
		b) Freezer (WHO prequalified) maintains temperature -21 ° to -15° Celsius and convertible to 2° Celsius to 8° Celsius (assorted capacity)	
		<i>Vaccine Carrier</i>	
		a) 0.9L (WHO prequalified)	
		b) 1.6L (WHO prequalified)	
		c) 2.9L (WHO prequalified)	
		d) 5.5L (WHO prequalified)	
e) 8L (WHO prequalified)			

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Refrigerator	f) 8L Capacity, 84 hours 7 Min Cold life, 24 Icepacks (cold box)	2
		g) 18L (WHO prequalified)	
		h) 22.5L (WHO prequalified)	
18.1.60	Resuscitator	a) Baby Resuscitator/Warmer/Suction-STD	2
		b) Baby Resuscitator/ Warmer/ Suction/ oxygen/ Phototherapy- STD	
18.1.61	Screen Bedside	a) Stainless steel Ward Screen Four (4) Fold, On castors, Impervious material screen (waterproof)	3
		b) 3-fold 165cm Height by 240cm width Hospital blue colour, 4fold 165cm by 320cm hospital blue/white colour	2
18.1.62	Space Heater	a) Baby warmer	2
		b) Warmer radiant/Oil heater, free standing accessories	
		c) Warmer sleeping bag newborn with accessories	
18.1.63	Sphygmomanometer for heavy duty use	i. Sphygmomanometer aneroid with measure range 0-300mmHg (manual) With Removable Disinfection Possible Cuff	2
		a) Adult cuff size: Small, medium and large	
		b) Paediatric cuff size: Small, medium and large	
		c) Neonate cuff size: Small, medium and large	
		ii. Sphygmomanometer mercurial with measure range 0-300mmHg (manual) With Removable Disinfection Possible Cuff	
		a) Adult cuff size: Small, medium and large	
		b) Paediatric cuff size: Small, medium and large	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Sphygmomanometer for heavy duty use	c) Neonate cuff size: Small, medium and large	2
		iii. Sphygmomanometer with measure range 0-300mmHg (digital), memory, pulse rate parameter with Removable Disinfection Possible Cuff	
		a) Adult cuff size: Small, medium and large	
		b) Paediatric cuff size: Small, medium and large	
		c) Neonate cuff size: Small, medium and large	
18.1.64	Spirometer	Flowmeters, gas, Respiratory, Peak Expiratory flow, High quality resistant plastic 3-ball inhaling breath measurement system	4
18.1.65	Stethoscope	Outer diameter 10mm, inner 4.8mm, tube length 560mm, spare ear buds and replaceable diaphragm material	2
		a) Single headed	
		b) Dual headed	
18.1.66	Suction machine	a) Manual: Manual ((foot operated) suction machine 1000ml storage jar,	2
		b) Electrical: Housing: Plastic molded cabinet Capacity: -700 mm Hg ± 10 mm regulable, flutter free vacuum control knob, 35 L/min, Pump Type: Double diaphragm pump, Jars: 2 x 2.5 L. wide mouthed (Polycarbonate) with changeover lever. Provided with handle for hygiene while emptying/cleaning, Safety jar with mechanical / electronic overflow motor shut off system and bacterial filter, Tubing: 10 mm ID x 2 metre. (PVC), Vacuum Gauge: Bourden type 6.25 cm dia 0-760 mm Hg calibration, Power: 220 V, 50 Hz, Single Phase Noise Level: 60 dB A±3, Dimension & Weight: 46 x 32 x 86 cm, 23 Kg	

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
18.1.67	Surgeon stool	With arm rest with adjustable backrest diameter 420mm (chair top) height-460mm elevation range - 140mm	3
18.1.68	Surgical Diathermy Machine- surgical unit	Standard as per (MOH- Specifications for essential medical supplies list. August 2020)	4
18.1.69	Syringe Pumps,	Stackable multiple channel syringe pump with drug library applicable syringe range 2/3/5/10/20/30/50/60ml of any standard, rate mode	4
		programmable 0.01-9999.9ml/h	
		a) Pump Syringe-Single Channel	
		b) 18Pump Syringe-Double Channel	
18.1.70	Table Operating	a) Manual: Table, Operation-Mechanical STD.OT 200 ss	4
		b) Electrical: Table, Operation-Electro- Hydraulic; External Size (L X W X H): 2080x550x (500-800) mm, Top dimension L 1960x W533mm, Height adjustment 750-1000mm, Table top sliding 250mm/Trendelenburg 30degrees/25degrees, Lateral tilt 20degrees/20degrees	
18.1.71	Thermocoagulation Machine	Power output 30w, Treatment cycle: 8sec heat-up, 20sec of therapy at 100°C and 10 sec cool down	3
		Battery charger 100-240VAC, 1.0Amp, 50-60Hz input,	
		12.6 VDC, 1.8amp output charge time 2 hours, full	
		charge activation until battery indicator illuminate	
		Battery: rechargeable lithium ion 3-cell 2AH BMS overcharge protection	
		Power: supply 11.1VDC	
		16mm flat probe, 19mm nipple probe-1, 19mm flat probe-2	
18.1.72	Thermometer	Clinical:	2

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
	Thermometer	a) Mercury b) Digital c) Infrared (forehead, gun) d) Tympanic (ear) Room: a) Digital wall thermometer 60-120 F b) Indoor- outdoor 8.75" aluminium; vertical F and C	2
18.1.73	Trolley, portable ambulance Stretcher	Length 6feet, stainless steel base, Mattress foam semi latex covered with vinyl, 60mm thickness, Standard size (L) 190x(W) 60x (H)88cm, bendable size (L)190x(W)60x(H)36cm. Maximum load 150 kg, weight 34.5 kg. Infusion stand of high-quality stainless- steel material with 2 infused holders. Side guards- stainless steel piped side rails. Back rest, legs can be folded and adjustable. Should have a safety belt.	3
18.1.74	Ultrasonic Washer	With intelligent control system, Capacity 22litres, ultrasonic frequency 40KHZ, Ultrasonic power 480W, Heating power 800W, Control time 1-99min, Inner slot size 500x300x150mm, Shape size 530x330x330mm 80/100 litre tank on castors, Heavy duty inner cradle plus support platform to 50 kilos, 316 ss inner tank with mirror finished outer 304 skin, Heater control to 90 degrees, Digital timer for minutes/hours, Remote generator with power control, No pump or filter.	2
18.1.75	Vascular Doppler	Detector ultrasonic frequency: 8.0MHz+- 10%, speed measuring range 0-100cm/s, graphic display range 0- 60cm/s, speed measuring error <20	3
18.1.76	Vein finder	Infrared wavelength equal or less than 12mm imaging 850mm image solution distance	2



<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
18.1.77	Ventilator	Standard as per (MOH specification for essential medical supplies August 2020)	4
18.1.78	Voltage stabilizer	3000v Automatic 110v-220v voltage regulator for refrigerators	2
18.1.79	Weighing Scales	a) Infant/Newborn Weighing Scale-Digital-Baby Basin (Mb130) Detector	2
		b) Child/ Paediatric	
		c) Adult, bathroom	
		d) Adult with height meter	
		e) Adult with height and BMI (Weighing Scale- Physician Eye Level, Height Rod, BMI Calculator,250Kg Capacity-Solo Detector)	
<b>18.2 OB/GYN/Urology</b>			
18.2.1	Adjustable, Gynaecological Coach	Standard (1800mmL*550mmW*800mmH)	2
18.2.2	Aspirators, Breast (breast pump)	Breast pump with accessories (standard), Adaptors, tubing, locking rings, bottles specific to breast pump operation, caps for bottles that are specific to the breast pump, valves, filters, and breast shield and/or splash protector for use with the breast pump)	2
		a) Manual	
		b) Electric with power adaptor	
18.2.3	Colposcope	Binocular microscope, light source, still/video camera and a monitor	4
18.2.4	Foetal Doppler	Foetal heart rate Doppler machine with LCD display, heart rate range 50-240bpm, sensitivity >90db (within 50mm, 75mm, 100mm, 200mm)	4
18.2.5	Foetal/Maternal monitor (Cardiotocograph machine)	FHR; TOCO; Foetal Movement; NIBP; SPO <sub>2</sub> ; TEMP; RESP HR/PR; Option twins FHR; Foetal alarm	2
18.2.6	Foetoscope	Pinard Foetal stethoscope Plastic	3

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
	MVA KIT (Manual Vacuum Aspirator)	Standard with cannula, Translucent autoclavable and calibrated 60ml polypropylene syringe barrel removable piston and piston rubber ring, plunger with an ergonomic handle black nylon autoclavable plunger stop clip. All polypropylene double pinch valve body, encasing a soft silicon rubber valve liner.	2
<b>18.3 Orthopaedic Products</b>			
18.3.1	Adjustable Hip Spica table	Designed for children from 18months, available in 3 sizes, allows easy movement of the patient uses abduction splint (custom design table)	3
18.3.2	Fracture Table	Electric, height adjustable ranging in 750mm-1000mm, Trendelenburg 30°C	3
18.3.3	Hand drill with chunk key	Hand held drill with a reverse mode, Converts and amplifies circular motion of the crank into a circular motion of a drill chunk.	4
18.3.4	Hydraulic Orthopaedic couch (table)	Adjustable leg section, designed for plaster casting room, power assisted foot section and extendable footrest	3
18.3.5	Oscillating Saw	With assorted blades (3 blades)	3
		a) Electric oscillating saw with vacuum	3
		b) Electric oscillating saw without vacuum	
18.3.6	Pneumatic tourniquet,	Dual fastening systems, comes with different sizes of cuffs, automatic pressure release, inflatable cuffs, a compressed gas source, monitor and control cuff, with a stand with moving wheels, power driven 220-240v	4
18.3.7	Power Drills	(Battery) with assorted saw blades	4
18.3.8	Procedure (plaster) Trolley	Fully welder mild steel frame, Stainless steel, size of trolley 500x800x900 mm,100mm rubber castors, at least two wheels with breaks, safety folds to all edges, waste bag holder, bowl holder, 30cm above working surface, two drawers below the top shelf.	3

A. Essential General Medical Supplies			
Section	Item Name	Description	LOU
<b>18.4 ENT/Audiology</b>			
18.4.1	Ear Syringing Unit (with gun and thermal reservoir.	Rubber, ear bulb, basin towel and bag	2
18.4.2	ENT total treatment unit	Compressor pump 0.9-2.0kg/cm <sup>2</sup> , Vacuum pump 600-680mmHg (Max), Anti-fog Device 400W; Power Consumption 850W, Voltage 110/220v; Frequency 50/60Hz, Weight 80Kg (Main unit +Instrument CART), Dimension (WXLH) 800 x 590 x 900	4
18.4.3	Headlight with rechargeable battery	Led headlight power view rechargeable	4
		Light source fibre-optic cable and headlight	
18.4.4	Mastoidectomy drill machine and drilling bits	Drill Micro motor, 200 to 40000 rpm Hand piece Straight and angled 1:1 direct drive	4
		Bits: Cutting and Diamond set of 14 each Sizes: 0.5, 0.8, 1.0, 1.8, 2.3, 2.7, 3.1, 3.5, 4.0, 4.5, 5, 6, 7	
		Length 70mm long	
		Hand piece Angle 20°	
18.4.5	Oto-acoustic Emission Machine	Dimension 8x8x2cm (cable length 200cm) Lyra weight 165g incl. OAE probe	
		Interacoustics Eclipse EP25 ASSR& ABR & OAE	3
18.4.6	Otosopes with spare bulbs and batteries	Battery-powered, hand-held, device primarily designed for examining the outer ear canal and tympanic membrane by direct viewing through the ear opening	3
18.4.7	Rigid Laryngo-endoscope	70° 4mm, Bulb parameters 2.5v600ma. Handle size Adult-28.5mm	4
18.4.8	Rigid Nasoendoscope	Diameters-2.7	4
		a) 30° 4mm	
		b) 0° 4mm	
18.4.9	Screening Audiometer	Dimension and weight Lx W x H: 180 X135 x23-41mm. Net weight: 450 g	4
18.4.10	Tympanometer	Middle ear analyzer with 225 Hz Probe tone ,+400 to -600dapa	4
		Interacoustics AT 235 Diagnostic	

<b>A. Essential General Medical Supplies</b>			
Section	Item Name	Description	LOU
18.4.10	Screening Audiometer	Dimension and weight Lx W x H: 180 X135 x23-41mm. Net weight: 450 g.	2
18.4.11	Tympanometer	Interacoustics AT 235 Diagnostic and clinical tympanometer	4
<b>18.5 Ophthalmology</b>			
18.5.1	Ophthalmoscopes	Range of lenses -20D to +20D, anti-reflection lens, capable of operating in continuously ambient temperature of 10 to 40 degrees C and humidity of 15 to 90 %	4

<b>B. Essential Imaging Supplies</b>			
<b>SECTION</b>	<b>NAME OF ITEM</b>	<b>DESCRIPTION</b>	<b>LOU</b>
<b>1. Films &amp; related supplies</b>			
<b>1.1 X-ray Films</b>			
1.1.1	X-ray Films	DI-HL, 25 x 30cm	4
		DI-HL, 25 x 35cm	
		DI-HL, 35 x 43cm	
		DI-ML, 20 x 25cm	
		DT 2 Mammo, 20 x 25cm	
		DT 2B, 20 x 25cm	
		DT 2B, 25 x 30cm	
		DT 2B, 35 x 43cm	
		DT 5B 35x43cm	
		DVB, 20 x 25cm	
		DVB, 25 x 30cm	
		DVB, 28 x 35cm	
		DVB, 35 x 43cm	
		DVE 18x25cm	
		DVE 25x30cm	
		DVM, 20 x 25cm	
HU. q Dry medical film			
UPT 517 BI 35x43cm			
1.1.2	Green-Sensitive film	a) 18 x 24cm	3
		b) 24 x 30cm	
		c) 15 x 40cm	
		d) 18 x 43cm	
		e) 30 x 40cm	
		f) 35 x 35cm	
		g) 35 x 43cm	
1.1.3	Intra-oral bitewing film	3 x 4cm	3
1.1.4	Intra-oral occlusal film	5 x 7cm	3
1.1.5	Intra-Oral Periapical film	a) 2 x 3cm	3
		b) 3 x 4cm	3
1.1.6	Mammography X-ray Film	a) 18 x 24cm	4
		b) 24 x 30cm	
1.1.7	Orthopantomogram (OPG) film	15 x 30cm	4

<b>B. Essential Imaging Supplies</b>			
<b>SECTION</b>	<b>NAME OF ITEM</b>	<b>DESCRIPTION</b>	<b>LOU</b>
<b>1.2 Film envelopes</b>			
1.2.1	Film envelope, large	37 x 46cm	3
1.2.2	Film envelope, small	25 x 32cm	3
<b>1.3 Film processing chemical concentrates</b>			
1.3.1	Developer, auto	To make 40L	2
1.3.2	Developer, manual	To make 40L	2
1.3.3	Fixer, auto	To make 40L	2
1.3.4	Fixer, manual	To make 40L	2
<b>2. Ultrasound Scanning Material</b>			
2.1.1	Gel, transmission	5L	2
2.1.2	Paper ECG	5 and 12 lead	4
2.1.3	Paper, thermal printing	High glossy, min: 110mm x 18m	2
2.1.4	Paper Towels	Standard	2
<b>3. Contrast media</b>			
<b>3.1 Radiocontrast media</b>			
3.1.1	Barium sulphate, aqueous suspension	20-200% (as required)	4
3.1.2	Iohexol	140-350mg iodine/mL (5ml, 10ml, 20mL amp)	4
3.1.3	Meglumine–Sodium-Amidotrizoate (oral solution, sugar-free)	3.3g/5mL + 500mg/5mL (equiv. to 370mg iodine/mL)	4
3.1.4	Meglumine Iotroxate	5-8g Iodine in 100-250mL	4
3.1.5	Iso-Osmolar Non-Ionic	320mg/100ml	4
3.1.6	Low Osmolar Non-Ionic	350mgs	4
<b>3.2 MRI Contrast Media</b>			
3.2.1	Gadobutrol solution for injection	1.5 mmol/ml (equivalent to 604.72mg/mL)	4
3.2.2	Gadodiamide solution for injection	0.5 mmol/ml (equivalent to 287mg/mL)	4
3.2.3	Gadopentatedimeglumine solution for injection	0.5 mmol/ml (equivalent to 469.01mg/mL)	4
3.2.4	Gadolinium	Linear /Macrocylic	5
<b>3.3 CT Scan Consumables</b>			
3.3.1	CT scan duo syringe	200mls	4
3.3.2	Perfusor Line (standard)	150 cm vols 2.1ml/min-2.3ml/min	4
3.3.3	CT scan pressure connecting Y tube	150 cm	4
<b>4. Small Equipment</b>			
<b>4.1 Film Hangers</b>			
4.1.1	Dental film hanger	Clip (10)	3

<b>B. Essential Imaging Supplies</b>			
<b>SECTION</b>	<b>NAME OF ITEM</b>	<b>DESCRIPTION</b>	<b>LOU</b>
4.1.2	General film hanger	a) 15 x 40cm b) 18 x 24cm c) 18 x 43cm d) 24 x 30cm e) 30 x 40cm	3
4.1.3	X-ray cassettes (Conventional)	a) 15 x 40cm b) 18 x 24cm c) 18 x 43cm d) 24 x 30cm e) 30 x 40cm f) 35 x 35cm g) 35 x 43cm	3
4.1.4	X-ray cassette Gridded	a) 15 x 40cm b) 18 x 24cm c) 18 x 43cm d) 24 x 30cm e) 30 x 40cm f) 35 x 35cm g) 35 x 43cm	3
4.1.5	Curved Cassettes	a) 18 x 24 cm b) 24 x 30cm	3
4.1.6	X-Ray film Viewing box	LED Illuminator approximately 78x50x11cm	2
<b>5. Other X-ray items</b>			
5.1	Anatomical side-marker	Piece	3
5.2	CDs Ordinary	Writable	3
5.3	Digital imaging plate	Piece	3
5.4	Full length Lead gown	Light	3
5.5	Radiation Eye shields	a) Small b) Medium c) Large	3
5.6	High Pressure Angiographic syringe and accessories (anke)	High pressure	5
5.7	Patient positioning pads	Set (11 pieces)	3
5.8	Patient's name (ID) printer	Piece	3
5.10	Safelight, green-sensitive	Piece	3
5.11	Thyroid Shield	a) adjustable b) i) Extra small ii) Small iii) Standard iv) Medium v) Large	3
5.12	Gonad Shield	a) Small b) Standard c) Medium d) Large	3
5.13	X-ray cassette box	Holds at least 2 of each size of x- ray cassettes	3
<b>6.0 DENTAL IOPA INSTRUMENTS</b>			
6.1	Bite Blocks Covers	Radioluscent	3

C. Essential Rehabilitative Care & Assistive Technology Supplies			
SECTION	ITEM NAME	DESCRIPTION	LOU
<b>1. Bandages</b>			
1.1	Broad arm sling	Durable cotton a) D- run adjustable strips b) Deep pocket for secure position of the arm and elbow c) Adjustable slide buckle on strap for best fit and easy application Sizes d) Infant: 18cm e) Child: 23cm – 28cm f) Small arm sling: 23cm - 28cm g) Medium arm sling: 28cm – 33cm h) Large arm sling: 33cm – 40cm i) Extra-large arm sling: 40cm – 51cm	2
1.2	Compression Arm Sleeve, class 2 and 3 (spacing)	a) Small b) Medium c) Large d) X-Large e) XX- Large	3
1.3	Compression stockings- Seamed	Come in strengths: 8-10 mmHg, 15-20mmHg, 20-30mm Hg, 25-35 mmHg for diabetics, 30- 40mmHg, 40-50 mmHg and higher a) Small b) Medium c) Large d) Extra large 30cm x 800g roll	3
1.4	Leukotapes	a) Rigid strapping tape, with a very strong, zinc oxide adhesive b) Porous and hand-tearable c) Rayon-backed tape with an aggressive zinc oxide adhesive Sizes 1.5" x 15" Yards	4
<b>2.0 Braces</b>			
2.1	Ankle brace	a) Small b) Medium	4



<b>C. Essential Rehabilitative Care &amp; Assistive Technology Supplies</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
	Ankle brace	c) Large	4
		d) Extra large	
2.2	Cervical collar, rigid, standard adjustable	a) Made from medium to high-density polyurethane foam/rigid; covered with cotton stockinette b) Fastened with a hook and loop closure for easy adjustment Sizes a) Small: 30 - 34 inches b) Medium: 34 - 38 inches c) Large: 38 - 42 inches d) X-large: 42 - 46 inches e) Thickness: 2.3cm	3
2.3	Corset, lumbo-sacral	a) Small b) Medium c) Large d) Extra large	3
2.4	Corset, thoraco-lumbar	a) Small b) Medium c) Large d) Extra large	3
2.5	Knee brace	a) Small b) Medium c) Large d) Extra large	4
2.6	Wrist brace	a) Small	4
		b) Medium	4
		c) Large	4
		d) Extra large	4
2.7	Mastectomy bra and prosthesis with spandex with stretch pockets on the inside.	a) Small	4
		b) Medium	
		c) Large	
		d) Extra large	
2.8	Air Ring/ Doughnut Cushion	Made from inflatable round vinyl rubber cushions with air pump. Size: a) Outer diameter: 40cm b) Inner diameter: 10cm c) Cushion height when inflated: 60mm.	3

<b>C. Essential Rehabilitative Care &amp; Assistive Technology Supplies</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
2.9	Pelvic binder	Wrap around design. Hook and loop closures. a) Small b) Medium c) Large d) Extra Large	3
<b>3. Mobility Aids</b>			
3.1	Crutches, axillary, adjustable(aluminium)	a) Child size	3
		b) Adult size	3
3.2	Crutches, elbow, adjustable(aluminium)	a) Child size	3
		b) Adult size	3
3.3	Foam rings	Made from durable molded polyurethane foam Size: Have a 10" or 14" outer diameter and 2" thick.	3
3.4	Gutter(aluminium)	a) Child size	4
		b) Adult size	
3.5	Modular wheelchairs	a) Child size	3
		b) Adult size	3
3.6	Quadripoid	a) Child size	3
		b) Adult size	3
3.7	Scooter board	a) 12" x 16"	3
		b) 24" x 16"	3
3.8	Silicone Insole (Gel)	a) Made of Silicone and Gel b) High cushioning coefficient c) It absorbs the pressure exerted on the foot sole area Sizes (Shoe sizes) a) Small: 5-6" b) Medium: 6-7" c) Large: 7-9" d) X-large: 10-11" e) XX-large: 12-13"	3
3.9	Tripoid	a) Child size	3
		b) Adult size	3
3.10	Walking frame (aluminium) adjustable	a) Child size	3
		b) Adult size	3
3.11	Walking frame with front castor wheels	a) Child size	3
		b) Adult size	3

<b>C. Essential Rehabilitative Care &amp; Assistive Technology Supplies</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
3.12	Wheel chair gel cushion	Cushion is made of latex foam while the gel is made of solid non-liquid ultra-soft visco-elastic gel as the primary pressure reducing material. a) 16" width by 18" length, thickness 2"	3
3.13	Wheel chair, foldable and detachable.	Adult sizes: Medium large	3
<b>4. Evaluation Kits</b>			
4.1	Cognitive pack		3
4.2	Digital Medical Inclinometer	Type: Mercury-filled Material: plastic a) Has a casing installed in a borehole or buried in a trench b) Supports precisely measuring total range of motion c) Clear LED display for indicating ROM, has a readout unit/ [Fluid indicator] d) Accuracy: 10mm Sizes e) Weight: 0.3 lbs. f) 360° rotating dial g) Pocket Size.	4
4.3	Flexible medical measuring tape	Description: Return run by pressing a button Sizes a) Spacing should be 2mm b) Length is 150cm	3
4.4	Goniometer	Goniometer 180° and 360° a plastic/steel material a) Two 180° scale in opposite direction for convenient reading of all angles b) Lightweight and flexible • The 360° goniometer equipment allows measuring range of 0 to 360° as well as offer high resolution of 0.05° c) Fastening screw support for fixing measuring angle in any position. Sizes d) Measures about 50mm x 200mm in length	3

<b>C. Essential Rehabilitative Care &amp; Assistive Technology Supplies</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
4.5	Hand evaluation set	Hydraulic hand dynamometer, pinching gauge, goniometer	3
4.6	Incentive spirometer	An incentive spirometer of hollow, clear plastic a) Has a tube with a mouthpiece with piston attached. b) Compact, ergonomic design with built-in handle c) Gradations on both sides of unit d) Flow window for visualization of daily improvement • Detachable base and removable balls e) Detachable tubing and mouthpiece- washable and hygienic f) The mouth piece white or clear g) One-way valve, Flexible tubing, Oxygen port Adult: Capacity: 5000ml Paediatric: i) Capacity: 2500mls	4
4.7	Inclinometer	Shock and vibration resistant	4
4.8	Patella hammer	Head surmounted with chrome plated brass disc (50mm diameter) with rubber collar.	4
4.9	Pattern blocks & boards kit	100 pattern blocks, 6 colour, 10 shapes Board: 7 5/8" x 6 1/8"	3
4.10	Sensory motor kit	Bag with 12 different tactile rings, balls, tangle	3
4.11	Vestibular dome, 3-piece	Vinyl coated, polyurethane filler, latex-free with straps H 13", Diameter 43"	3
<b>5. Ear and Hearing Care (EHC)</b>			
5.1	Adhesive Plasters	-	3
5.2	Cerumen loop	Metal or plastic loop or spoon curette or alligator forceps	3
5.3	Cochlear implants	Surgically implantable hearing devices	5
5.4	Diagnostic Audiometer	Air and bone conduction machine with masking	4
5.5	Ear Impression Syringe	Special applicator for customizing ear moulds	4
5.6	Ear Impression Material	Set of chemicals and glues for customizing and making ear mould	4

5.7	Ear Syringing Unit (with gun and thermal reservoir)	Automatic ear irrigation unit	3
5.8	Ear mold Laboratory Equipment	Brushless microdrill, Vibrator, trimmer, filter, work station, micropol system, wax knife, Acrylic mixing spatula, impression extractor, Ear mould materials, UV post cure chamber , modelling paste, water bath, Hard resin, Soft K 1, Glysol Face plate glue, Hard UVAThermosoft , Plastic Tubings	4
5.9	Headlight with rechargeable battery	Rechargeable batteries in a single LED light	4
5.10	Audiometry Headphones	Colour coded to accompany audiometer or ABR machine	3
5.11	Hearing aid batteries	<p>Changed manually.</p> <p>Size 10 (yellow) completely-in-canal (CIC) and some in-the-canal (ITC) models</p> <p>Size 312 (brown) receiver-in canal (RIC), and in-the-ear (ITE) models.</p> <p>Size 13 (orange) behind-the-ear (BTE) and ITE hearing aids.</p> <p>Size 675 (blue) powers BTE hearing aids.</p>	3
5.12	Hearing Aids	External sound amplification devices	4
5.13	Hearing assistive devices and FM systems and hearing loops	Special devices used to alert and assist communication in hearing impairment	3
5.14	L Shaped Cerumen hook	Single use, double ended loop	3
5.15	Automated Brainstem Response Machine	Interacoustics Eclipse EP 25 ASSR & ABR For diagnosing hearing loss in children and adults with special needs	4
5.16	Orange applicator sticks	Biodegradable and recyclable. 153 mm x 2.2mm	3
5.17	Otoacoustic Emissions Machine	To conduct newborn and infant screening	2
5.18	Otosopes with spare bulbs and batteries	Battery-powered, hand-held, device primarily designed for examining the outer ear canal and tympanic membrane by direct viewing through the ear opening	4
5.19	Pen Torch and batteries	Primary battery (disposable) type Secondary, rechargeable type	2
5.20	Penlight and batteries	Primary battery (disposable) type Secondary, rechargeable type	2
5.21	Plastic Ear Speculums assorted	Plastic disposable ENT speculum	3
5.22	Screening Audiometer	Air conduction audiometer	3
5.23	Tuning Forks	256, 512, 1024	2
5.24	Tympanometer	Middle ear analyzer with 225 Hz Probe tone ,+400 to -600dapa	4
5.25	Captioning devices	Screens used for captioning and projecting spoken word	2
<b>6. Visual Supplies</b>			
6.1	Adjustable reading Stands	Locally made Portable and adjustable book holder	3

6.2	Direct Ophthalmoscope	Hand held optical instrument	3
6.3	Dome / Solid Magnifiers	8D, 10D	3
6.4	Handheld Magnifier	nonilluminated 12D	3
6.5	Handheld Magnifiers	illuminated 20D, 24D	4
6.6	LEA symbols®	Single Symbol Book (GOOD-LITE)	4
6.7	LEA numbers®	Pocket-Sized Near	4
6.8	LVRC Distance Visual Acuity Test	Tumbling Es' LogMAR Chart (LVRC)	4
6.9	Auto Ref/Keratometer (added)	Equipment to provide information of Spherical, Cylindrical and Axis.	4
6.10	Lensmeter	Computerized ophthalmic tool	4
6.11	Retinoscope	Hand held visible light emitting	4
6.12	Digital eye chart	Visual acuity	4
6.13	Trial lens kit	Ophthalmology calculating apparatus	4
6.14	Trial frame	Simple and flexible to adjust when patient is wearing, should have adjustable nose bridge and temples.	4
6.15	Eye monitor	Led monitor	4
6.16	Volk gonio lens	Aluminium handle, autoclavable magnification 1.2x, diameter 9.2mm handle length 75mm	5
6.17	2.2 Lens	Uniquely combines magnification 20D lens to 30D lens	4
6.18	Indirect ophthalmoscope	Defines the extent and height of retinal and choroidal lesions.	4
6.19	Iolmaster 500	Precise and efficient marker less toric iol alignment.	4
6.20	YAG laser	Laser emitting near infrared light.	5
6.21	Fundus photo machine	Low power microscope with attached camera.	4
6.22	Oertel phaco machine	Direct fragment followability and hold-ability(added)	4
6.23	Pinhole Occulder	Opaque disc with one or more small holes through it.	3
6.24	Stand Magnifier	Nonilluminated 28D	4

<b>C. Essential Rehabilitative Care &amp; Assistive Technology Supplies</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
6.25	Stand Magnifiers	Illuminated- 36D, 44D,	4
6.26	Telescopes	Monoculars 20D	4
<b>7 Equipment</b>			
7.1	Adjustable treatment couches	Operation: Hydraulic Height adjustable, on casters, reclining, ergonomic	4
7.2	Bench Drill	Electrical hand-held machine 5 speed 220v 350 waltz with reverse mode.	4
7.3	Cold /hot pack bags	Hot and cold compress bag. Commodity Size: width about 23cm, height about 13cm)	4
7.4	Bench grinder	Double wheeled bench grinder	3
7.5	Electric jigsaw	Straight narrow blade	4
7.6	Electric kettle	Not less than 1.5L	3
7.7	Electric static bicycle	Maximum height: 45 inches Minimum height: 45 inches Weight: About 100 pounds Resistance mechanism: Magnetic Dimensions – 55” L x 25” W x 45” H   Weight capacity – 300 lbs Functional LCD with an LED backlight.	4
7.8	EN-Dynamic <ul style="list-style-type: none"> <li>• For the lower extremity</li> <li>• For Upper extremity</li> </ul>	a) Provides clear feedback to user Simple to operate and accurately adjustable. b) Adjustable from a seated position. c) Wide range of loads setting; from extremely light to very heavy.	5
7.9	Examination couch	With head rest and height adjustable	3
7.10	Exercise roll	High-Density muscle roller 18- OR 36-INCH Variety of colours	4
7.11	Gymnasium balls	Material rubber Pattern plain Size: junior small, medium, large, XL	4
7.12	Heavy Duty Trampolines	Holds a capacity of 550pounds (250kgs) jumping weight capacity. Galvanized 9” springs.	3
7.13	Hot air blower	Temp. adjustability	3

<b>C. Essential Rehabilitative Care &amp; Assistive Technology Supplies</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
7.14	Hot air oven	Model, 700 L, stainless steel housing. Temperature adjustable with a timer.	4
7.15	In-door creep-crawl tunnels set	lighted wooden square	3
7.16	Lazy 8 Handwriting board x20	With wrist extension and tripod grasp	3
7.17	Motion Tread Mill/ Cardio standard 230v	Supply voltage: 230 V ± 10%, 50/60 Hz Driving force: Frequency-controlled rotary-field electromotor Motor capacity: 1500 W Max power consumption: 10 A Min./max. speed: 0.5-18 km/h Belt area: 50x150 cm (eff.) Max permissible client weight: 135 kg Inclination: 0-25% Dimensions (212x80x138 cm Weight: 145 kg)	4
7.18	Motor planning and visual tracking wall boards	OT bulletin board doubles up as a fine motor skill tool.	3
	Fidget toys	Small object that fits a child's hand.	4
	Visual motor pack	Set of devices for visual motor training.	4
	Memory/sensory awareness pack	Stored for a few seconds at most.	4
	Fine motor/attention pack	Fine movement/building blocks.	4
	Splinting material	a) Perforated 1%	3
		b) Solid, white sheet,	
		c) 6mm x 46cm x 61cm	
Therapeutic putty	85g	3	
Toe puff	2.5mm (25)	3	
7.19	Multi gym apparatus	Durable construction and powder coated finish Ultra-thick cushions Oversized seat pads with 2.5" thick, high density foam Weight stack 100kg User weight limit 125kg 185 (L)* 105 (W)* 215 (H) Bench backrest adjustment 5 settings Nylon pulley with ball bearings.	4
7.20	Parallel Bars	Aluminium, height adjustable	3



<b>C. Essential Rehabilitative Care &amp; Assistive Technology Supplies</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
7.21	Pedal / Ankle exerciser	Heavy-duty chrome steel frame Smooth pedal movement Sturdy and durable Mountable, Non-skid rubber platform for good grip on all surfaces Dimensions: folded -	4
		38 cm (L) x 16 cm (H) x 28 cm (W) In operation - 48 cm (L) x 23 cm (H) x 38 cm (W)	
7.22	Pediatric Treadmill	Tipping levers	4
7.23	Pediatric treadmill with harness	Running surface: L: 150 cm (4ft 11.06") W: 50 cm (1ft 7.69") speed range: 0 ... 18.0 km/h (0 ... 5.0 m/s) (0 ... 11.2 mph) / optional 0 ... 22 km/h elevation: 0...20.0 % (0...11.31°) motorized adjustment / optional 0 ... 25 % or -25 ... +25 % digital interface: 1 x RS 232 com1 with 9600 bps: incl. PC-protocol, h/p/cosmos coscom® / optional com2, com3 and USB converter and up to 115,200 bps	4
7.24	Plaster Knife	Stainless steel	3
7.25	Proprioceptive ottoman shape coloured) x 3 (25", 23.25", 14.75")	(25", 23.25", 14.75")	3
7.26	Shoulder wheel	Brake shoes and ball bearings - Hardwood frame - Adjustable height - Material: mild steel Size: 100 cm diameter Arc of motion: 10" to 39" Height adjustable: up to 26"	4
7.27	Static Exercise Bicycle	Dimension: 64*27*49.9 inches (162.5 * 68.6 * 126.8 cm) Weight Capacity: 300 pounds (136 Kg) Resistance: 25 levels, magnetic Screen: Backlit LCD window system/ Touch screen	4
7.28	Treadmill adult size/ Cardio standard 230v	Maximum User Weight, 180Kg Motor Power, 4.0 HP Running Surface, 21.5 x 62-inch Speed, 125 kmph Precise Incline Control From -15 %	4
7.29	Wedge-shaped cushion	Non-slip Bottom: feature with anti-slip bottom, provide more stable on the bed, no worry about slipping	3

<b>C. Essential Rehabilitative Care &amp; Assistive Technology Supplies</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
7.30	Workbench	Wooden	3
<b>8. Equipment</b>			
8.1	Adjustable treatment couches	<ul style="list-style-type: none"> <li>· Operation: Hydraulic</li> <li>· Height adjustable, on casters, reclining, ergonomic</li> </ul>	4
8.2	Cervical Traction kit	<ul style="list-style-type: none"> <li>Adjustable size head halter</li> <li>Head halter, padded and adjustable</li> <li>Spreader bar; metal door bracket; door hanger and two pulleys; section of rope; calibrated water weight bag.</li> </ul>	4
8.3	Chest Expanders	<p>Can be either rubber expander or stainless-steel springs</p> <p>Sizes:</p> <p>Free size, with adjustable rubber/springs for varied resistance</p> <p>Should have 4 springs/ rubbers</p>	4
8.4	Combination therapy	<p>Electrotherapy, 2 independent Channels with Ultrasound</p> <p>Frequencies of 1 and 3Mhz (Continuous and Pulsed)</p> <p>Pre-programmed treatment suggestions</p>	4
8.5	Continuous Passive Movement machine (CPM)	<p>Maximum Patient Weight: 159kg</p> <p>Calf Length Range (knee joint to sole of foot)- 10" - 23.5"</p>	4
8.6	Electric static bicycle	<p>Maximum height: 45 inches</p> <p>Minimum height: 45 inches</p> <p>Weight: About 100 pounds</p> <p>Resistance mechanism: Magnetic</p> <p>Dimensions – 55” L x 25” W x 45” H   Weight capacity – 300 lbs.</p> <p>Functional LCD with an LED backlight.</p>	4
8.7	Electric Thrive massager	Thrive Vibrator	4

<b>C. Essential Rehabilitative Care &amp; Assistive Technology Supplies</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
8.8	Dynamic for Upper extremity For Lower Extremity	Provides clear feedback to user a) Simple to operate and accurately adjustable. b) Adjustable from a seated position. c)Wide range of loads setting; from extremely light to very heavy For upper extremity	4
8.9	Exercise roll	High-Density muscle roller 18- or 36-INCH Variety of colours.	4
8.10	Finger ladder	Quality unit with 40 steps Each step is 2.5" x 1.5". Melamine polish for durability. Total length is 65" (165 cm.)	4
8.11	Grip hand exerciser	Various tension levels: 5lb (Blue), 7lb (Red), 9lb (Black) Isolated spring- High quality springs.	4
8.12	Hydro-collator pack	Stainless Steel tanks, thermostatically regulated with detachable racks and castor wheels. Full fiber glass insulation Large: Size 11" x 21" Medium: Size 10" x 12" Small: Size 07" x 09".	4
8.13	Ice bag Pack	Flexible, reusable Size 6",9",11"	4
8.14	Infra-Red cradle machine	Light source and lamp type: LED Material: Metal Positioning: Floor standing Adjustable screen Base Material: Metal Weight without stand is 3 kg Diameter should be at least 27 cm Power: 250W plus or minus 10% At least 5000 life expectancy 220-240V / 50 -60 Hz.	3
8.15	Lumbar and Cervical Traction machine	Intermittent and continuous traction Maximum traction force 91kg 9	4

<b>C. Essential Rehabilitative Care &amp; Assistive Technology Supplies</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
8.16	Medicine Balls	Vinyl cover, non-slip Assorted colours: blue, red, brown Material; Leather Sizes 1-1.5kg, 2kg, 3kg, 4kg, 5kg	4
8.17	Multi gym apparatus	Durable construction and powder coated finish Ultra-thick cushions Oversized seat pads with 2.5” thick, high density foam Weight stack 100kg User weight limit 125kg 185 (L)* 105 (W)* 215 (H) Bench backrest adjustment 5 settings Nylon pulley with ball bearings.	4
8.18	Paraffin wax bath machine	Power Supply: 230 V, 50 Hz. Output: 2KW. Thermo State: 0 degree Celsius to 100 degree Celsius. Double wall insulated tank with cover. Automatic Thermo state controller. Power is controlled in 3 steps Available in 2 sizes. 12" x 12" x 8" 22" x 16" x 8" Caster wheels for easy mobility.	4
8.19	Parallel bars pediatric size	Unit folds when not in use Adjustable width and height Steel or wood base.	3
8.20		Wooden Base Dimension: 7” *42” *1 Steel Base Dimension: 5” *42” * 0 Height Adjustments: 19” * 27” Width Adjustment: 16” * 24” Handrail Diameter: 1”	

C. Essential Rehabilitative Care & Assistive Technology Supplies			
SECTION	ITEM NAME	DESCRIPTION	LOU
8.21	Parallel bar adult size	Adjustable width and height Non-slip, non-marring rubber feet Strong yet lightweight, supports over 250lbs Natural hardwood Ash Bar, sanded smooth and ready to use Heavy gauge powder coated steel base	3
8.21	Pedal / Ankle exerciser	Heavy-duty chrome steel frame Smooth pedal movement Sturdy and durable Mountable, Non-skid rubber platform for good grip on all surfaces Dimensions: folded - 38 cm (L) x 16 cm (H) x 28 cm (W) In operation - 48 cm (L) x 23 cm (H) x 38 cm (W)	4
8.22	Paediatric treadmill with harness	Running surface: L: 150 cm (4ft 11.06") W: 50 cm (1ft 7.69") Speed range: 0 ... 18.0 km/h (0 ... 5.0 m/s) (0 ... 11.2 mph) / optional 0 ... 22 km/h Elevation: 0...20.0 % (0.. 11.31°)	4
8.23	Postural/Re-Education Mirror	Glued to an adhesive film for accident prevention with a polystyrene layer Modular steel trolley Mobile mirror on casters Caster legs widely positioned for stability. Overall size (l x w x h); 100cm x 11cm x 200cm	3
8.24	Quadriceps bench	Dimensions: 120*130*150 cm Anatomic backrest adjustable with a gas cylinder a) 2 working positions: seated and prone. b) Single black foam adjustable rocker arm c) Rotation axle adjustable: up/down and fore/aft. d) Rotation angle adjustments: 10° to 15° increment	5

C. Essential Rehabilitative Care & Assistive Technology Supplies			
SECTION	ITEM NAME	DESCRIPTION	LOU
		e) Side handles for the patient's stability f) Delivered with 11 kg of weight plates g) Graduated settings with markers h) Steel welded frame – 3 mm thick. i) Epoxy paint – oven-baked. j) Anti-rust sub-layer. k) Hand-sewn upholstery – M1 fire retardant	
8.25	Shockwave Therapy Machine	Pulsed and continuous with touch screen	5
8.26	Shoulder wheel	Brake shoes and ball bearings – Hardwood frame – Adjustable height – Material: mild steel Size: 100 cm diameter Arc of motion: 10" to 39" Height adjustable: up to 26"	4
8.27	Standing table	(Electric Lift Stand-in Table) Motorized height adjustment of top 42 1/2" to 52 1/2" high Motorized patient lift can elevate a 300 lb. patient from sitting to standing position Hand control operation Durable white high-pressure laminate top 33" wide x 24" deep. Cut-out size is 19" wide x 10" deep Includes lift support harness Padded knee, chest and back supports Heavy gauge steel frame in cream powder coated finish Frame base is 36 1/2" wide x 42" deep (2) Locking and (2) non-locking 3" diameter heavy-duty casters 110V, 60 Hz, 3.5 amps	4

<b>C. Essential Rehabilitative Care &amp; Assistive Technology Supplies</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
	Standing table	Wheelchair Accessible	4
8.28	Static Exercise Bicycle	Dimension: 64*27*49.9 inches (162.5 * 68.6 * 126.8 cm) Weight Capacity: 300 pounds (136 Kg) Resistance: 25 levels, magnetic Screen: Backlit LCD window system/ Touch screen	4
8.29	Swiss Balls	PVC material; Security valves, resistant up to 130 kg; Material: Flexible Fiber plastic tape. Description: Return run by pressing button sizes; Spacing should be 2mm; Length is 150cm; PUMP with support for all balls+ needle + end connector; Straw for easy inflation. Sizes: Diameter = 45cm,65cm; 75cm; 85cm; 95cm; 120cm.	4
8.30	Tens Battery	Rechargeable battery (NI-MH / 800mAh / 4.8V)	3
8.31	TENS Batteries, 9v	Alkaline battery of 9V 6LR61 a) Alkaline battery of 1.5V LR6 b) Shelf Life 5 years c)Free of Mercury & Cadmium Sizes d) 17.5 x 26.5 x 48.5 mm e) Average Weight 45g f) AA 14.2 x 50mm g) Ave 24gms	3
8.32	TENS Cables	Flexible Lead connector cables	3
8.33	TENS Electrodes	Adhesive electrodes 4x6 cm, Adhesive electrodes 6x8 cm, Adhesive electrodes 8x12 cm, Rubber electrodes 4x6 cm, Rubber electrodes 6x8 cm, Rubber electrodes 8x12 cm, Moist pads for rubber electrodes 4x6 cm, Moist pads for rubber electrodes 6x8 cm Moist pads for rubber electrodes 8x12 cm	4
8.34	TENS machine	Portable TENS Machine 2 Channel	4

C. Essential Rehabilitative Care & Assistive Technology Supplies			
SECTION	ITEM NAME	DESCRIPTION	LOU
	TENS machine	Output 0-100 mA Frequency 1-150 Hz Pulse length 50-400 µs Total pulse length 100-800 µs 59 pre-set programs Mains power or battery operation 4 Channel Output 0-120 mA Frequency 0.3-150 Hz Pulse length 50-450 µs Total pulse length 100-900 µs 250 pre-set programs 15 user programs Mains power or battery operation	4
8.35	Theraband	Yellow resistant band (lightest) Red resistant band (light) Green resistant band (light medium) Blue resistant band (medium) Black resistant band (heavy)	3
8.36	Therapeutic Exercise Mats	Material: Made with a heavy duty reinforced coated vinyl for easy cleaning. Should have light weight, foaming effects, perfect finish. Sizes Standard, rectangular 163cm by 60cm by 1cm.	3
8.37	Tilt table	Hand-operated electric height and tilt adjustment to 90 degrees (for footswitch see options) Able to lift and tilt up to 250kg evenly distributed from the lowest height Tilt angle from horizontal to 90° Time taken from 0 to 90° approx. 20 seconds Standard fixed footboard included (for tilting footboard see options) Patient handles and one set of harnesses included (3 padded straps with buckles)	5



C. Essential Rehabilitative Care & Assistive Technology Supplies			
SECTION	ITEM NAME	DESCRIPTION	LOU
	Tilt table	Hoist clearance of 13cm (5'')	5
		Angle indicators x 2	
		Fully washable/ fire retardant vinyl available in a range of colours	
		Heavy-duty 125mm toe braked rubber tyre castors for excellent mobility	
		Dimension 2020L*550H*550 to 950Hmm	
8.38	Transfer Board (Sliding Board	Wooden Slide Transfer Board	4
		Wood Type: 3/4 inches thick maple plywood	
		Thick, sanded and sealed wood	
		Weight Capacity: 199 kg	
		Sizes:	
		8 inches W x 30 inches L x 0.75 inches H.	
		8 inches W x 24 inches L x 0.75 inches H.	
		10 inches W x 32 inches L x 0.75 inches H. · 8 inches W x 27.5 inches L x 0.75 inches H	
8.39	Treadmill adult size/ Cardio standard 230v	Maximum User Weight, 180Kg	4
		Motor Power, 4.0 HP	
		Running Surface, 21.5 x 62 inch	
		Speed, 1-25 kmph Precise Incline Control From -15 %	
8.40	Therapeutic ultrasonic with static head	Ultrasound frequencies 1 & 3 MHz	4
		Ultrasound Output Continuous & pulsed	
		Duty Cycles: 5, 10, 20, 33, 50, 80%	
		Pulse Frequency 16HZ, 48HZ & 100HZ	
		Intensity 0-2W/cm2 continuous, 0 -3 W/cm2 pulsed	
		Number of US connections 2	
		US applicator large 5cm2	
		US applicator small 0.8cm2	
		Pre-programmed treatment suggestions 25 Evidence based	

<b>C. Essential Rehabilitative Care &amp; Assistive Technology Supplies</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
	Therapeutic ultrasonic with static head	Stat US treatment suggestions 52 Evidence based	4
8.41	Therapeutic ultrasound machine	Movable head Frequency 1-3Mhz 220-240V/50-60Hz	3
8.42	Wall bars	Wooden/steel wall bars Dimensions Length - 97cm Width - 62cm Height - 227cm	4
8.43	Wand Stick	Material (Wood, Metal, Plastic) Light rod	4
8.44	Wedge-shaped cushion	Non-slip Bottom: feature with anti-slip bottom, provide more stable on the bed, no worry about slipping.	3
8.45	Wooble board	Board Diameter: 15-3/4" Overall Height: 3" Board Thickness: 3/4" Maximum Weight Capacity: 300 lbs.	4
8.46	Wrist roller	Aluminium Roller with Three different diameters i.e. 30mm, 40mm and 50mm to suit different Grips. <i>Resistance:</i> Unit fitted with Adjustable Resistance Control mechanism, controllable from Zero to Maximum. <i>Mounting Board:</i> Laminated Board size, 20cm x 80cm long for placing or fixing on table <i>Finish:</i> Aluminium Roller with Anodized finish, Metal parts with Powder Coated finish.	3
8.47	X Ray Viewer	LED Illuminator approximately 78x50x11cm	4
<b>9. Massage Liquids</b>			
9.1	Glycerin	Colourles hygroscopic liquid	3
9.2	Liquid paraffin	Oily transparent odourless liquid	3
<b>10. Materials &amp; Sheets</b>			
10.1	Aluminium sheet	14cm x 20cm	3
10.2	Adhesive strip, male and female, white	a) 25mm x 10m b) 50mm x 10m	3

<b>C. Essential Rehabilitative Care &amp; Assistive Technology Supplies</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
10.3	Cork, pressed	Smooth grain finish, flexible sheet	3
10.4	Elastic cord	1.6mm x 9.1m	3
10.5	Microcellular rubber sheet	a) Hard, 5mm	3
		b) Soft, 5mm	
10.6	Outrigger line (nylon)	9kg x 247m, latex-free	3
10.7	Plaster of Paris powder,	Fast-setting (25kg)	3
10.8	Polyethylene foam splinting material	3.2mm x 102cm x 76cm beige (8)	3
10.9	Polypropylene sheet	Synthetic resin built by polymerization	3
10.10	Plasterzoate	5mm thick	3
<b>11. Heat-transmitting media</b>			
11.1	Hydro collator hot pack	a) Knee & shoulder	3
		b) Neck	
		c) Oversize	
11.2	Paraffin wax, therapeutic	Paraffin wax is solid at room temperature	3
		Melts above approximately 60°C.	
		Flash point of paraffin wax is about 250°C	
		Size	
		5kg slabs of rectangular shape	
11.3	Ultrasonic gel	Medium viscosity gel	3
<b>12. Immobilizing Aids</b>			
12.1	Ankle foot orthosis (prefabricated plastic)	Small, medium, large, extra large	4
12.2	Cock up splint (prefabricated)	Small, medium, large, extra large	3
	Hinged elbow brace (prefabricated plastic)	Small, medium, large, extra large	4
12.4	Knee ankle foot orthosis (prefabricated plastic)	Small, medium, large, extra large	4
12.5	Thomas splint	a) Child size	3
		b) Adult size	
12.6	Tri-stander, adjustable	45-810mm-1140mm	3
12.7	Tumble form deluxe strap wedge	H 102mm, W 508mm, L 559mm, incline 22"	3
12.8	Wrist resting splint (prefabricated plastic)	Small, medium, large, extra large	3
<b>13. Therapeutic items</b>			
	<b>For adults:</b>		

<b>C. Essential Rehabilitative Care &amp; Assistive Technology Supplies</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
13.1	Ball	Standard	3
13.2	Badminton bat	Standard	3
13.3	Badminton shuttlecock	Standard	3
13.4	Chess board	Set	3
13.5	Draughts	Set	3
13.6	Dart board	Standard	3
13.7	Dart arrow	Set	3
13.8	Dart flight	Set	3
13.9	Net	Standard	3
13.10	Scrabble	Set	3
	<b>For children</b>		
13.11	Beach (therapy) ball	Small	3
13.12	Crawling tunnel	Standard	3
<b>14. Prosthetic Components</b>			
14.1	Module Trans femoral	a) Child Size b) Adult Size	4
14.2	Module, Trans -tibia	a) Child Size b) Adult Size	4
14.3	Peg Board	Easy Grip, Set	3
14.4	SACH Foot with toes, negroid colour	a) 22cm    b)24cm c) 26cm	4
<b>15. Self-Care Assistive Device</b>			
15.1	Folding Commode	H 1metre, W 45cm	3
15.2	Long handled Sponge applicator	L 600mm, W233 g	3
15.3	Muscle tester	Standard	3
15.4	Shoe horn	Long handled, chromed metal, L 600mm, W 233g	3
15.5	Stadiometer	Standard	3
15.6	Toys	Assorted	3
<b>16. Skills Training Items</b>			
16.1	Beads	ss Packet	3
16.2	Cotton material	Roll	3
16.3	Fishing line	Roll	3
16.4	Knitting wool	Roll	3
16.5	Leather	Square	3
16.6	Machine thread		3
16.7	Timber		3

<b>D. Essential Oral Health Supplies &amp; Devices</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
<b>1. Conservative Dentistry</b>			
<b>1.1 Consumables</b>			
1.1.1	Amalgam capsule	2-spill, 600mg (50 capsules per Pkts)	3
1.1.2	Articulating paper	a) 68mm x 80mm, horse shoe (12 booklet box) b) 68mm x 80mm, impregnated straight (12 booklet box)	3
1.1.3	Bonding agent, refill	6ml (sealed bottle)	3
1.1.4	Bur, surgical	a) Friction Grip (FG) carbide for high-speed HP (cassette of different shapes and sizes) (10)	3
		b) FG carbide for low-speed HP (cassette of different shapes and sizes) (10)	3
		c) FG, diamond for high-speed HP (cassette of different shapes and sizes) (5)	3
		d) FG, diamond for low-speed HP (cassette of different shapes and sizes) (5)	3
		e) FG, carbide for straight low speed HP (cassette of different shapes and sizes) (10)	3
		f) Notched, carbide for contra-angle low speed HP (Cassette)(10)	3
	Bur, Dental	FG Diamond (cassette of different shapes and sizes) (10) FG Carbide (cassette of different shapes and sizes) (10)	3
1.1.5	Calcium hydroxide kit	Tubes, 13g base, 11g catalyst	3
1.1.6	Cement, Glass ionomer, kit	a) Glass ionomer, light-cure, 2 x 2g syringes, tips (25), shades: A1, A2, A3, A3.5, B1, C2, bleach white, universal opaque	3
		b) Glass ionomer, luting, powder 33g, liquid 12mL, accessories	3
		c) Glass ionomer, self-cure, powder 25g, liquid 12ml, accessories	3
1.1.7	Cement, Zinc oxide-eugenol, kit	powder 30g, liquid 15ml	3
1.1.8	Composite, chemical cure kit	Base 33g, catalyst 12ml, etching gel, bonding agent 3ml, accessories	3
1.1.9	Composite, light cure kit	4g assorted composite syringes, shades: A1, A2, A3.5, B1, B2, B3, C1, C2, C3	3
1.1.10	Cotton roll	a) 8mm x 40mm, child (50) boxes of 2000 pcs	2
		b) 10mm x 38mm, adult (50) boxes of 2000 pcs	2

<b>D. Essential Oral Health Supplies &amp; Devices</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
1.1.11	Crown, polycarbonate	Assorted sizes Pack (100)	3
1.1.12	Etching agent, kit	4 x 1.2ml syringes, 8-dispenser needles, 37.5 % free phosphoric acid	3
1.1.13	Finishing strip	a) 150mm x 4mm (medium) pack of 100	3
		b) 150mm x 5.5mm (wide) pack of 100	3
1.1.14	Fissure sealant kit	a) Light-cure, 4 x 1g syringes, 3ml etch, tips, accessories	3
		b) Self cure, 7ml base, 7ml catalyst (bottles) complete kit	2
1.1.15	Handpiece lubricant spray	Turbine spray, 500ml (pressurized container)	3
1.1.16	Interdental wedge	Assorted, box (200 pcs)	3
1.1.17	Matrix band	Stainless steel, assorted 0.03mm, 0.045mm (in thickness) 5mm, 6mm, 7mm (in width) (12) pkt/bag	3
1.1.18	Mouth mirror	a) Mirror + handle (complete) (100) Pkts	3
		b) Mirror heads (refill), (100) Pkts	
1.1.19	Mylar strip	0.002mm, 8/10mm width (1000)	3
1.1.20	Patient bib	Disposable, 30cm x 45cm (500pcs)	2
1.1.21	Retention pin kit	a) Stainless steel, 2.0 mm length complete kit (50)	4
		b) Titanium, 2.0 mm length complete kit (50)	4
1.1.22	Saliva ejector	a) 10 x 13.5mm, stainless steel, (High Volume) HV	3
		b) Disposable, high volume, 16mm, 4",6" length (100)	3
		c) Disposable, low volume 4",6" length, 1.5mm, 2.5mm and 3 mm width (100)	3
1.1.23	Sterilization pouch	a) 75mm x 255mm (200)	3
		b) 85mm x 165mm (200)	
		c) 90mm x 230mm (200)	
<b>1.2 Instruments</b>			
1.2.1	Mixing slab, glass	Glass, 10cm x 10cm	2
1.2.2	Probe	a) Periodontal, colour-coded, graduated, double-ended	2
		b) Endodontic, colour-coded, graduated, double-ended	2
		c) Explorer, double-ended	2
1.2.3	Restorative kit	a) Amalgam carrier, plugger, burnisher, carver, matrix band	3

<b>D. Essential Oral Health Supplies &amp; Devices</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
	Restorative kit	retainer, spatula, condenser, dycal applicator	3
<b>1.3 Devices</b>			
1.3.1	Amalgamator	Capsule type, 4500 rpm, 0-30 seconds, universal, 240v	3
1.3.2	Coupling motor	Quick coupling, multi-flex, lighted	3
1.3.3	Curing light unit	LED, complete unit, curing times (5, 10, 15, 20, 25, 30, 40 seconds), pre-set programmes (fast mode, soft 1 mode, soft 2 mode)	3
1.3.4	Handpiece, contra-angle high speed	4-holed, push-button chuck, fibre optic, 25,000 lux, autoclavable, 3-5 port sprays, 390,000-450,000 rpm	3
1.3.5	Handpiece, contra-angle, low speed	4-holed, uses right angle (RA) burs, autoclavable, 5,000-25,000 rpm, push-button chuck, fibre optic (25,000 lux), single spray	3
1.3.6	Handpiece, straight	Twist-lock chuck, external spray, autoclavable	3
<b>2. Oral Surgery, Pathology and Radiology</b>			
<b>2.1 Consumables</b>			
2.1.1	Arch bar	Roll, 1m	3
2.1.2	Arch wire	0.35 mm diameter, soft ss wire 1m roll (10)	3
2.1.3	Aspiration needle, wide bore	a) 25G	4
		b) 23G	4
		c) 21G	4
		d) 19G	4
2.1.4	Bone wax	Tube, 2.5g/2.5g foil packs (12)	4
2.1.5	Drain, rubber corrugated	a) Sheet, all sizes	3
		b) Tubing, all sizes	3
2.1.6	Dressing pad	Absorbent, sterile, 10cm x 10 cm	3
2.1.7	Dry-socket dressing (alveolar) paste	Paste 12g, containers in boxes of 12	3
2.1.8	Gauze pad	Sterile, 7.5cm x 7.5cm (individual packs)	3
2.1.9	Haemostatic sponge	Gelatine, absorbable, 10mm x 10mm x 10mm (blistered pack/bottles of 50)	3
2.1.10	Dental Needles	a) Short 30G (100)	2
		b) Short 27G (100)	
		c) Long 27G (100)	
		d) Long 30G (100)	

<b>D. Essential Oral Health Supplies &amp; Devices</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
2.1.11	surgical marker, set	Marker/pen, ruler, label	4
2.1.12	Wire, surgical	a) 0.4mm x 3m, 24G (roll)	3
		b) 0.5mm x 3m, 25G (roll)	
2.1.13	Zinc oxide-eugenol, dressing pack, kit	Base 90g/91ml & catalyst 90g/33ml tubes	3
<b>2.2 Instruments</b>			
2.2.1	Artery, Forceps	a) curved	3
		b) straight	
		c) Cheatle	
		d) Tissue, 12cm, non-toothed	
		e) Tissue, 12cm, toothed	
2.2.2	Bone file, Howard	a) Coarse serrations	4
		b) Fine serrations	
		c) Super-fine serrations	
2.2.3	Bone file Miller	a) Coarse serrations	4
		b) Fine serrations	
		c) Super-fine serrations	
2.2.4	Bone rongeur	15.5cm long, 3mm tip, ss	3
2.2.5	Dental syringe	ss, reusable, cartridge type, aspirating, 1.8ml	2
2.2.6	Extraction kit	a) Adult, assorted extraction forceps	2
		b) Child, assorted extraction forceps	
		c) Root forceps, upper & lower, universal	
		d) Apical fragment forceps	
		e) Assorted dental elevators	
2.2.7	Maxillofacial fracture kit	Standard kit with accessories	3
2.2.8	Needle holder	Mathieu 5 1/2"	3
2.2.9	Suture removal kit	Standard, universal kit	2
2.2.10	Tweezers	a) ss, lockable	2
		b) ss, non-lockable	
2.2.11	Wire cutters	a) Clinical, soft wire cutter, ss, autoclavable	3



<b>D. Essential Oral Health Supplies &amp; Devices</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
	Wire cutters	b) Laboratory, hard wire cutter, ss, autoclavable	3
2.2.12	Wire holder	Dental, Mathieu, ss	3
<b>2.3 Devices</b>			
2.3.1	Mouth gag	a) Child, ss	2
		b) Adult, ss	
2.3.2	Mouth prop	a) Adult, rubber/Nortel material, autoclavable	2
		b) Child, rubber/Nortel material, autoclavable	
2.3.3	Maxillofacial surgery kit	Standard, universal kit, complete with accessories	4
2.3.4	Sterilization drum	Specific to size of instruments and autoclave	2
<b>3. Periodontology and Preventive Dentistry</b>			
<b>3.1 Consumables</b>			
3.1.1	Dental floss	a) Unwaxed, box (25-100m) with dispenser and cutting gear	2
		b) Waxed, box (25-100m) with dispenser and cutting gear	
3.1.2	Fluoride varnish	22,600 ppm fluoride (30ml)	2
3.1.3	Periodontal pack. kit	Base and catalyst 90g each (tubes/syringes)	4
3.1.4	Polishing brush	Small, Medium and large (50 pcs)	3
3.1.5	Prophylaxis cup	a) Rubber, white, webbed, snap-on, hard (144 pcs)	3
		b) Rubber, white, webbed, snap-on, soft (144 pcs)	
3.1.6	Prophylaxis paste	50g jar	2
<b>3.2 Instruments</b>			
3.2.1	Curette	Gracey curettes, ss, set: 1/2, 3/4, 5/6, 7/8, 9/10, 11/12, 13/14, 15/16, 17/18 (pcs)	2
3.2.2	Scaler, hand	Gracey scalers, ss, set: 1/2, 3/4, 5/6, 7/8, 9/10, 11/12, 13/14, 15/16, 17/18 (pcs)	2
3.2.3	Scaler, ultrasonic	a) Inserts, 25/30K	2
		b) Tips, 25/30K	
<b>3.3 Devices</b>			
3.3.1	Scaler unit	Ultrasonic, portable, complete unit, 25/30k inserts, 220-240 v	2
<b>4. Prosthodontics and Orthodontics</b>			
<b>4.1 Consumables</b>			
4.1.1	Acrylic teeth	a) Complete set, pcs (28)	3

<b>D. Essential Oral Health Supplies &amp; Devices</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
	Acrylic teeth	b) Lower anterior set, pcs (6)	3
		c) Lower posterior set, pcs (8)	
		d) Upper anterior set, pcs (6)	
		e) Upper posterior set, pcs (8)	
4.1.2	Brush wheel	Mounted (12 pcs)	3
4.1.3	Bur, laboratory	a) Carbide, shaft $\varnothing$ 2.35mm (12 pcs)	3
		b) Diamond, shaft $\varnothing$ 2.35mm (12 pcs)	
		c) ss, shaft $\varnothing$ 2.35mm (12 pcs)	
4.1.4	Ceramic, Finishing kit	Assorted, complete kit	3
4.1.5	Crown, assorted	a) ss, child	3
		b) ss, adult	
4.1.6	Crown, assorted	c) Polycarboxylate (100 pcs)	3
4.1.7	Dental stone	Bag/drum, 25kg	3
4.1.8	Die stone	5kg (container)	3
4.1.9	Emery cloth	Hard wearing, 15mm x 25m roll, grit (120 pcs)	3
4.1.10	Impression material	a) Alginate (500g) (Pkts)	3
		b) Greenstick compound, sticks (12 pcs) Pkts	
		c) Compound, cakes (10 pcs)	
		d) Rubber based, regular, base (90ml), catalyst (45ml), adhesive(15ml)	
		e) Zinc oxide eugenol: base 150g, catalyst 60g	
4.1.11	Modelling wax	500g, 24 sheets, 1.5mm thick (Pkts)	3
4.1.12	Molar band kit	a) Colour coded bands (80 pcs)	3
		b) Mandibular	
		c) Maxillary	
4.1.13	Monomer	a) Acrylic, heat-cure, poly methyl methacrylate (PMMA) 250ml/500ml (bottle)	3
		b) Acrylic, self-cure, poly methyl methacrylate (PMMA) 250ml/500ml (bottle)	
4.1.14	Mop	Calico, cloth type, 4"x 1/2" (25 leaf)	3
4.1.15	Orthodontic, Expansion screw kit	Assorted, standard x-screws, 4 x 1/4 turn, ss	3
1.1.16	Ortho-resin kit	Polymer 1kg, monomer 50ml, separating media 1L	3
4.1.17	Plaster of Paris	Regular set, lab-plaster, 25/50kg (drum/bag)	3
4.1.18	Polishing brush	Black/white bristles, 2"x 2 row, 2 1/2" x 3 row, 3 1/2" x 4 rows (10 pcs)	3

<b>D. Essential Oral Health Supplies &amp; Devices</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
4.1.19	Polishing disc	Abrasive type A (pin-hole), assorted, coarse, fine, super-fine	3
4.1.20	Polymer	a) Acrylic, heat-cure PMMA, 500g/ 1kg, pink-veined (container)	3
		b) Acrylic, self-cure PMMA, 500g/1kg, pink-veined (container)	
4.1.21	Porcelain material kit	Standard kit, shades A1-A3	3
4.1.22	Porcelain polishing kit	Complete, standard kit, accessories	3
4.2.23	Pumice Powder	a) Coarse 200/500/1kg containers.	3
		b) Medium 200/500/1kg container	
4.1.24	Refractory die material kit	Powder 30g + liquid 15ml	3
4.1.25	Sticky wax	Sticks (12) Pkts	3
4.1.26	T-band	a) Small (100)	3
		b) Large (100)	3
4.1.27	Tooth material kit	Acrylic, Shades A1, A2, A3, A3.5, B1, B2, B3, C1, C3	3
4.1.28	Whiting powder	1kg pack Pkt/container	3
4.1.29	Wire, orthodontic	a) Coil, 0.50mm/20, 50m, ss	3
		b) Coil, 0.60mm/23, 40m, ss	
		c) Coil, 0.70mm/28, 30m, ss	
		d) Coil, 0.80mm/31, 20m, ss	
		e) Coil, 0.90mm/36, 10m, ss	
<b>4.2 Instruments</b>			
4.2.1	Impression tray set	a) Dentate, assorted sizes, upper & lower (pairs)	3
		b) Edentulous, assorted sizes, upper & lower (pairs)	
4.2.2	Orthodontic plier kit	Assorted set including: Adams, clasp bending, crimping, flat nose, loop-forming, spring former, wire-bending	3
4.2.3	Retraction cord packing instruments	Standard, cirlet, plain, serrated (pcs)	3
<b>4.3 Devices</b>			
4.3.1	Articulator	a) Universal, free plane	3
		b) Universal, plain line	
4.3.2	Autoclave	23L, steam, 121-135deg Celsius, 200/220v	2
4.3.3	Bench press (flask holder)	Two flask capacity	3
4.3.4	Casting unit	Standard, casting centrifugal unit, Induction type, accessories, 560 x 400 x 580 mm, 220-240V	3
4.3.5	Curing bath unit	5 x 3 flask capacity	3
4.3.6	Dental, curing flask	Bronze forged, upper, lower (pairs)	3
4.3.7	Dental Clamp	Bronze forged (pcs)	3

<b>D. Essential Oral Health Supplies &amp; Devices</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
4.3.8	Dental mallet	Pcs	3
4.3.9	Knife, plaster	Pcs	3
4.3.10	Knife, wax	6 assorted sizes	3
4.3.11	Mixing spatula	Pcs	3
4.3.12	Micromotor unit	Portable, heavy duty, (2,000-50,000) rpm, foot control, 220-240v	3
4.3.13	Mixing bowls	a) PVC, 300ml	3
		b) PVC, 400ml	
4.3.14	Model trimmer, wet	Dual wheel, 220v, 2 x 450w	3
4.3.15	Polishing lathe unit	Complete with suction, 2-speed, wet/dry, 1000-3000 rpm, 240v 200/500w	3
4.3.16	Porcelain furnace	Portable, unrestricted programme design, 220-240V, 50/60Hz, 385 x 710 x 285mm, with accessories	4
4.3.17	Protective eye glass	Non-fog, reduced glare, non-slip fit, side shields	2
<b>5. Pulp Therapy</b>			
<b>5.1 Consumables</b>			
5.1.1	Barbed broach	25" to 40", 21mm (10) pkt/cassette/blister	3
5.1.2	Camphor mono-chlorophenol (CMCP)	15ml (bottle)	3
5.1.3	Endodontic file, K&H, sizes 15-80	a) 21mm (6)	3
		b) 25mm (6)	
		c) 31mm (6)	
5.1.4	Endodontic reamer, K&H, sizes 15-80	a) 21mm (6)	3
		b) 25mm (6)	
		c) 31mm (6)	
5.1.5	Endodontic reamer	Ni-Ti (15-80), sizes: 10/04, 15/05, 20/06, 25/06, cassette (8)	3
5.1.6	Ethylenediaminetetracetic acid (EDTA)	125ml/3g syringe	3
5.1.7	Ferrous sulphate solution	15.5%, 30ml syringe/bottle	3
5.1.8	Formocresol	15ml bottle/jar	3
5.1.9	Gates gridden drill	Sizes 1-6, 18mm, Pack of 6	3
5.1.10	Gutta-percha	Sizes 15-80, assorted pack, 6vials/cells, points (120)	3
5.1.11	Mummifying paste	6g/12g jar/container	3
5.1.12	Paper point	Absorbent, size 15-80, sterile, cassette/tubes/Pkt (200)	3
5.1.13	Polishing disc	Diamond, with mandrel, different texture, cassettes	3

<b>D. Essential Oral Health Supplies &amp; Devices</b>			
<b>SECTION</b>	<b>ITEM NAME</b>	<b>DESCRIPTION</b>	<b>LOU</b>
5.1.14	Retention post system	Vented & serrated posts, stainless steel/titanium (10)	3
5.1.15	Retraction cord	a) Thin 1m	3
		b) Medium 1m	
		c) Thick 1m	
5.1.6	Root canal sealant kit	2-paste system, base and catalyst	3
5.1.17	Rubber dam kit (adult/child)	a) Rubber dam clamps No. 26, 27, 28, 29, 30, 31, 51, 60	3
		b) Rubber dam holder, ss	
		c) Rubber dam forceps	
		d) 1.93mm punch	
		e) Rubber dam frame adult, child, ss	
		f) Heavy squares of rubber dam material	
5.1.18	Tetrachloroethylene (root filling remover)	13ml, bottle	4
5.1.20	White polishing stone	a) Assorted shapes and sizes, (12), pkt	3
<b>5.2 Instruments</b>			
5.2.1	Cotton/dressing plier	a) Regular tip with stop pin	3
		b) Serrated tip with stop pin	
5.2.2	Endo-aspirator	1.7mm, right angle, ss	3
5.2.3	Retraction cord packing instruments	a) Standard-circlet, plain, serrated, double-end	3
		b) Circlet-serrated, angled, double end	
5.2.4	Root canal condenser/spreader	Double-end, ss	3
5.2.5	Root canal plugger	Double-end, ss	3
<b>5.3 Devices</b>			
5.3.1	Glass bead warmer	Capacity 14 X 13 X 19cm, chamber (5cm diameter), 200 glass beads	3
5.3.2	Dental Unit	<b>Fixed</b> - Electrically operated dental chair with chair mount unit Silent dental compressor High-speed handpiece tubing with connector (2holes/4holes) Low-speed handpiece tubing with connector (2holes/4holes) 3-way syringe (with removable and autoclavable tip) Water suction Saliva ejector Halogen operation lamp X-film viewer Adjustable Double articulated headrest Water purifier and heating system	3

D. Essential Oral Health Supplies & Devices			
SECTION	ITEM NAME	DESCRIPTION	LOU
	Dental Unit	Movable glass/ceramic cuspidor Round foot pedal Sanitary seamless cushion Assistant tray Double armrest Dental stool 220v/60Hz,600w	3
		<b>Portable</b> - with built-in silent air compressor 2/4 hole handpiece tube 3way syringe Saliva ejector LED curing light Ultrasonic scaler on/off foot switch water supply 1L water bottle, 1L drain bottle, 6L air aluminous tank 34/29 kg weight 550 x 420 x 760 mm dimension 110 v/60Hz, 600w	2
5.3.3	Dental Compressor	Big air flow Low noise Oil-free. Rated Voltage(V): 110/220 Frequency (HZ): 50/60 Rated Power (W):2*800 (HP): 2*1.0 Air Flow(L/min): 300 (C.F.M.): 10.59 Speed (rpm): 1400/1680 Noise (DB): 62 Max Pressure (BAR): 8 (PSI): 115 Tank Litre (L): 65 (GAL): 17.3 Dimension (mm): 740 x 340 x 660 Weight (kg): 52	3

### Appendix 1: Technical Working Group for KEMSL Review & Contributors

The Technical Working Group 2022		
1	Dr. Judith Awinja	Chair & MOH, Nursing services
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20	Kennedy Ochieng	MOH, plaster
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4	Simeon Ondutto Oiro	KEMSA
5	Rosalind W. Kirika	Consultant and Editor



## Appendix 2: Terms of Reference for KEMSL TWG

1. Be the advisory team for evidence required to review the KEMSL list.
2. Review both local and global literature, summarize evidence relevant to Kenyan context and make recommendations for inclusion in the KEMSL. To specifically provide:
  - Evidence available to guide the review of the essential KEMSL.
  - Develop review questions
  - Identify best practice in areas where research evidence is absent, weak or equivocal
  - Identify cost effectiveness of interventions, actions and measures to improve the health and social care of the public
  - Identify opportunities and challenges that may be faced in implementing the recommendations that might require additional resources or implementation efforts at a local level.
3. The TWG will ensure that MOH standards and regulations are considered and adhered to during KEMSL review process including those for managing conflict of interests
4. The TWG will ensure timely submission of agreed upon reports for the review process.
5. Engage/consult/collaborate with all the relevant experts and stakeholders in the review process

## Appendix 3: References

- Global Drugs Facility (GDF). *Diagnostics, Medical Devices & Other Health Products catalog* September 2022. Geneva, Switzerland: GDF
- Government of Kenya. 2010. *Constitution of Kenya, 2010*. Nairobi, Kenya: Government printer.
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- **Submissions received by the NMTC Secretariat: Documented and evidence-based practice submissions for amendments to the KEMSL.**

## Appendix 4: Conflict of Interest Declaration Form



### Ministry of Health

#### Development of Essential List Conflict of interest Declaration Form

##### Personal details

<b>Full Names</b>	<b>Institution</b>
<b>Job Title</b>	<b>Email address</b>
<b>Mobile</b>	

##### Role in the TWG (Tick appropriately)

- TWG Chair       TWG member       TWG secretariat
- Consultant       TWG co-opted member       Others (Specify).....

##### In which Essential List are you engaging in?

- Kenya Essential Medicines List (KEML)
- Kenya Essential Medical Supplies List (KEMSL)
- Assistive Technology Devices List
- Kenya Essential Medical Laboratory Commodities List (KEMLCL)
- Medical devices & Equipment

##### Introduction

This Declaration Form is intended to document conflicts of interest relating to individuals involved in the process of development or review of any essential list for health products and technologies for the Ministry of Health, Kenya towards supporting objective documents.

Involvement, in the context of conflicts of interest, may relate to any stage in the essential list development process including preparation, desk review, selection, amendments, data collection, internal and external reviews, validation, specialists' inputs and final list compilations.

Individuals must avoid placing themselves in a position where there is a conflict between their personal and/or outside interest and their role in the process.

This form also serves as declaration of treating information of the essential list development process as confidential. All individuals involved at any stage will apply appropriate level of confidentiality, and not make any unauthorized disclosures of the information therein.

**Declaration Guidance**

You only sign this form and proceed to participate in the essential list development process if you **DO NOT** have any conflict of interest.

If you have any actual, potential, or perceived conflicts of interest you will not sign the form nor participate in the essential list development process at any stage.

**Declaration**

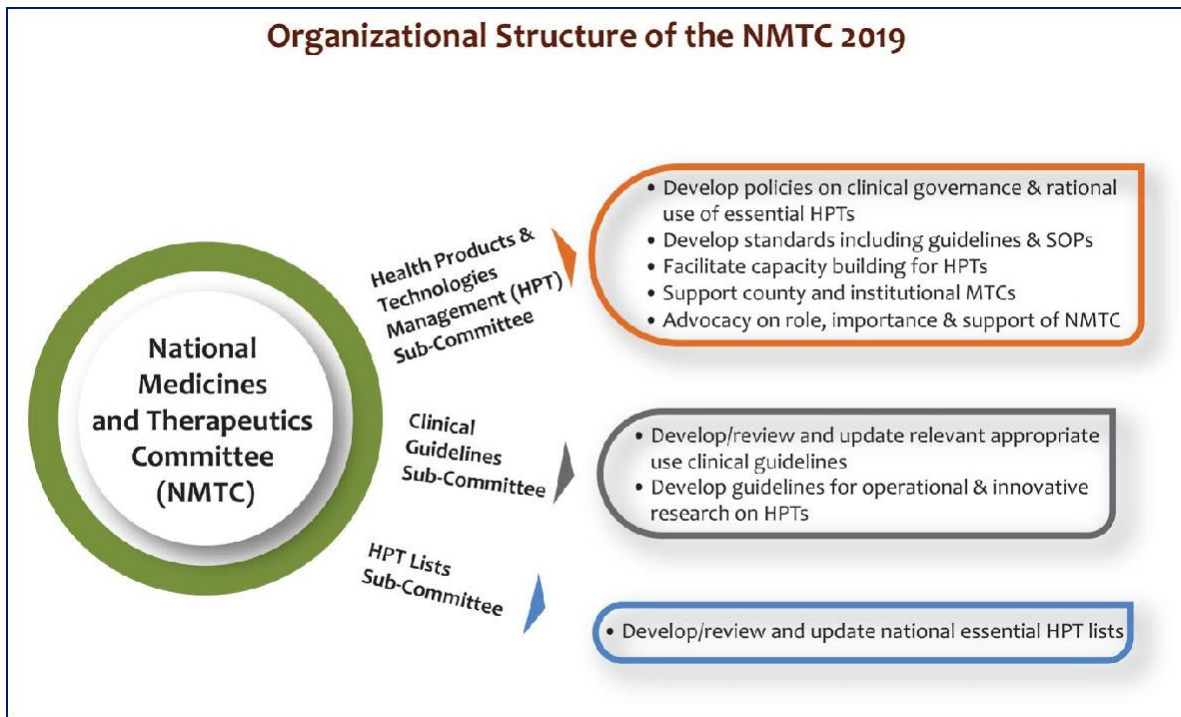
By signing this Form, I declare that I have read and accept the aforementioned statements and guidance, and that there are no conflicts of interest of any nature which would prevent me from participating in the development of the essential list.

If any actual, potential, or perceived conflicts of interest arise in the future, I will inform the Secretariat immediately.

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

## Appendix 5: Structure of the National Medicines and Therapeutics Committee (NMTC)



Source: Kenya Essential Medicines List 2019

## Appendix 6 KEMSL Amendment Proposal Form

Please complete each of the sections and submit the Form together with the hard and/or soft copies of supporting evidence and any other relevant documentation to:

The Head, Directorate of Health Products and Technologies  
Afya House, Cathedral Road  
Box 30016-00100, Nairobi, Kenya  
Email: [pharmacyhpt2019@gmail.com](mailto:pharmacyhpt2019@gmail.com)

---

Name of Proposer: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Work Place: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Tel: \_\_\_\_\_ Email: \_\_\_\_\_

---

1. Type of Amendment proposed (please tick)

- a. Addition [ ]
- b. Deletion [ ]
- c. Change of description [ ]
- d. Other [ ]

2. Details of proposal:

3. Supporting arguments/evidence base

4. Supporting references/relevant documentation

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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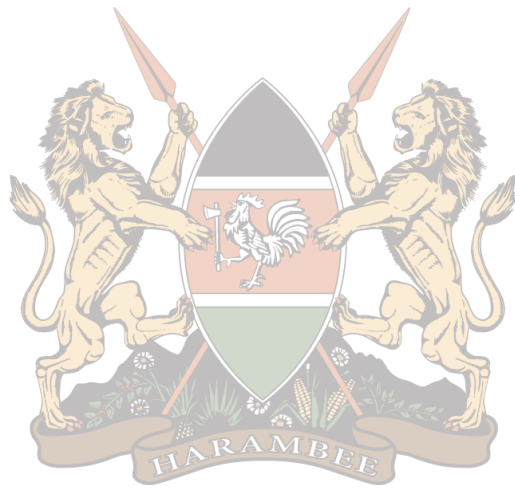


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