

TABLE OF EQUIPMENT / INSTRUMENT LIST
FOR
SECONDARY LEVEL HOSPITAL
(100-BEDDED, 150-BEDDED, 200-BEDDED, 250-BEDDED)

LINE DIRECTOR – IHSM
DGHS, MOHAKHALI, DHAKA

TABLE OF CONTENTS

1.	Surgery Unit (OPD, IPD, OT)	3
2.	Orthopedics Unit	8
3.	Eye Unit	12
4.	ENT Unit	15
5.	Gynaecology & Obstetrics Unit	18
6.	Medicine Unit	25
7.	Pediatrics Unit	26
8.	Anesthesia Unit	28
9.	Operation Theater	29
10.	Dermatology Unit	31
11.	Emergency Unit	32
12.	Dental Unit	34
13.	Pathology Unit	35
14.	Radiology Unit	38
15.	Cardiology unit	39
16.	Psychiatry unit	40
17.	Transfusion medicine	41
18.	Others	42

EQUIPMENT & INSTRUMENT

1. Surgery Unit

1. a. Out Patient Department:

Sl. No.	Item	Categories of bed				Essential & Necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
	Surgery OPD set	2	2	2	4	√	

Set Contains:

Stethoscope, BP apparatus, Weighing machine, Torch light, Height Scale, Hammer, X-ray viewing box 4X1, Proctoscope, Dressing trolley, Kidney tray, Gully pot, Dressing set (Artery forceps-4, Scissors (Bandage+Stich)-4, Lifter with jar, Drum, Povidene Iodine, measurement tape, Needle holder, Sterilizer. Portable OT light, Thermometer, Tongue depressor

1. b. In-Patient Department:

Sl. No.	Item	Categories of bed				Essential & Necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
	IPD set	2	2	3	4	√	

Set Contains:

Stethoscope, BP apparatus, Height Scale, Hammer, Torch light, measuring scale, Weighing machine, Proctoscope, Sigmoidoscope, Dressing trolley, Dressing trolley with Dressing set, Catheter set, Tongue depressor, torch, tape, dressing drum, Sterilizer.

1. c. Operation Theatre:

Sl. No.	Item	Categories of bed				Remarks	Essential & Necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed			
	General set (for each operation theatre)	4	6	8	10	Annex-1a	√	
	Minor Set	4	5	6	8	Annex-1b	√	
	Tracheotomy set	1	1	1	2	Annex-1c	√	
	Suture set	2	3	4	4	Annex-1d	√	
	IV cut down set	2	2	2	4	Annex-1e	√	
	Diagnostic and operative laparoscope with monitor with movable instrument rack	-	-	-	1		√	-
	Complete cystoscopic set with monitor and movable instrument rack.	-	-	1	1			√
	Bronchoscope	-	-	1	1			√
	Flexible GI Endoscopic set	-	1	1	1			√
	Operating microscope-binocular with video monitor	-	-	-	1			√
	Diathermy	2	3	4	6		√	
	Sucker machine	2	2	4	6		√	
	Retractor Cats paw	0.5 dz	1 dz	1 dz	1 dz		√	
	Self retaining abdominal retractor	2 p	3 p	3 p	3 p		√	
	Dowens pelvic retractor	-	3 p	3 p	3 p		√	
	Kidney tray	1 dz	2 dz	3 dz	4 dz		√	
	Gully Pot	1 dz	2 dz	3 dz	4 dz		√	
	Proctoscope - Adult	2 p	3 p	3 p	3 p		√	
	Proctoscope - Small	1 p	1 p	1 p	1 p		√	
	Anal Speculum	1 p	1 p	1 p	1 p		√	

Sl. No.	Item	Categories of bed				Remarks	Essential & Necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed			
	Twin Gastrojejunostomy Clamp	1 set	1 set	2 set	2 set		√	
	Pyers Crushing clamp	2 p	2 p	2 p	2p		√	
	CBD dilator set	1 set	1 set	1	1		√	
	Bulldog Clamp	1 dz	1 dz	1 dz	1 dz		√	
	Proctosigmodescope set with fibre optic light cable with source, adjustable with monitor		01	01	01		√	
	Dejardins Forcep Stone holding	4p	4p	4p	4pc		√	
	Intestinal Clamp curve	2 pair	2 pair	3pair	4 pair		√	
	Intestinal clamp straight	2pair	2p	3p	4 pair		√	
	Urethral dilator set	1set	1set	1set	1 set		√	
	Scissors blunt tip medium	1doz	2doz	2doz	2doz		√	
	Stitch cutting scissor	1doz	1doz	2doz	2doz		√	
	Metallic probe	1doz	1doz	1doz	1doz		√	
	Scoop small	1/2doz	1doz	1doz	1 doz		√	
	Scoop Medium	1/2doz	1doz	1doz	1doz		√	
	Sucker nozzle small	3pc	3pc	6pc	6pc		√	
	Sucker nozzle medium	3pc	3pc	6pc	6pc		√	
	Devars retractor Assorted size	1/2doz	1doz	1doz	2doz		√	
	Langereck retractor small	1/2doz	1doz	1doz	1doz		√	
	Langereck retractor Large	1/2doz	1doz	1doz	1doz		√	
	Morris retractor	1/2doz	1/2doz	1doz	1doz		√	
	Tooth dissecting mall	1doz	1doz	2	2		√	
	Medium	1doz	1doz	2	2		√	
	Towel clip	3doz	4doz	4doz	4doz		√	
	Instrument pin	1doz	2doz	2doz			√	
	Babcock forceps	1/2doz	1doz	1doz			√	
	Moynihan forceps	1/2 doz	1doz	1doz			√	
	Scalpel handle no-4	1doz	1doz	2doz	2doz		√	
	Scalpel handle no-3	1doz	1doz	2doz	2doz		√	
	Needle holder Small	1doz	1doz	2doz	2doz		√	
	Needle holder medium	1doz	1doz	2doz	2doz		√	
	Needle holder large	1doz	1doz	2doz	2doz		√	
	Mayos Scissor curved - medium	1doz	1doz	2doz	2doz		√	
	Mayos Scissor curved - layer	1doz	1doz	2doz	2doz		√	
	Mayos Scissor curved - small	1/2 doz	1doz	1doz	1doz		√	
	Forceps – Artery forceps curve – small-4”	2 doz	3 doz	4 doz	5 doz		√	
	Forceps – Artery forceps curve – medium-6”	2 doz	3 doz	4 doz	5 doz		√	
	Forceps – Artery forceps curve – Large-8”	2 doz	3 doz	4 doz	5 doz		√	
	Forceps – Artery forceps Straight – small- 4”	2 doz	3 doz	4 doz	5 doz		√	
	Forceps – Artery forceps Straight – medium-6”	2 doz	3 doz	4 doz	5 doz		√	
	Forceps – Artery forceps Straight –	2 doz	3 doz	4 doz	5 doz		√	

Sl. No.	Item	Categories of bed				Remarks	Essential & Necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed			
	large-8"							
	Forceps – Kochers Artery forceps Straight - medium	1doz	1doz	2doz	2doz		√	
	Forceps – Kochers Artery forceps curved - medium	1doz	1doz	2doz	2doz		√	
	Forceps – Tissue forceps -medium	1doz	2 doz	3 doz	4 doz		√	
	Forceps – Tissue forceps - large	1doz	2 doz	3 doz	4 doz		√	
	Forceps – Sponge holding forceps	1doz	1doz	2doz	2doz		√	
	Forceps – Plain dissecting forceps - small	1doz	1doz	2doz	2doz		√	
	Forceps – Plain dissecting forceps - medium	1doz	1doz	2doz	2doz		√	
	Forceps – Plain dissecting forceps - large	1doz	1doz	2doz	2doz		√	
	Minor set 02 set extra for emergency and OPD OT.				2 set		√	

Annex-1

Annex-1. a. Surgical Instruments: General Set

Sl. No.	Name of the Instruments	Quantity	Essential & necessary	Necessary but not essential
	Clip, Towel, Mayo	6	√	
	Instrument pins	6	√	
	Forceps, dissecting, Lane or Treves, Tooth, different size	6	√	
	Forceps, dissecting, Plain end 127 mm	6	√	
	Forceps, dissecting, Plain end 178 mm	6	√	
	Forceps, dissecting, Lane, 178 mm	4	√	
	Forceps, dissecting, Gillies, or Waugh 152 mm	5	√	
	Forceps, dissecting, McIndoe or Waugh 152 mm	4	√	
	Forceps, Tissue, Allis	6	√	
	Forceps, Tissue, Babcock	6	√	
	Forceps, Tissue, Littlewood	4	√	
	Moynihan cholecystectomy forcep	4	√	
	Scalpel Handle, BP, No.4, No. 3	2	√	
	Needle Holder, Mayo 152 mm	2	√	
	Needle Holder, Mayo 203 mm	2	√	
	Scissors, Mayo, Curved, 191 mm	2	√	
	Scissors, McIndoe, 191 mm	2	√	
	Scissors, Stich	2	√	
	Volkman scoop	1	√	
	Sucker, Poole or Yankauer	2	√	
	Retractors, Devers	2	√	
	Retractors, Lagenbeck small	2	√	
	Retractors, Lagenbeck, large	2	√	
	Retractors, Gosset or Balfour or Bourne	2	√	
	Retractors, Morris	2	√	
	Artery forcep Medium	4	√	
	Sponge holding forcep	2	√	

Annex-1. b. Minor Set

Sl. No.	Name of the Instruments	Quantity	Essential & necessary	Necessary but not essential
1.	Forceps, artery, curved, medium size	4	√	
2.	Forceps, artery, Straight, medium size	4	√	
3.	Forceps, sponge	1	√	
4.	Clip, towel, Mayo	4	√	
5.	Instrument Pins	1	√	
6.	Forceps, dissecting, Adson 1X2 teeth	1	√	
7.	Forceps, dissecting, Plain end 127 mm	1	√	
8.	Forceps, dissecting, Gillies	2	√	
9.	Forceps, dissecting, McIndoe	2	√	
10.	Forceps, Tissue, Allis	6	√	
11.	Forceps, Tissue, Babcock	2	√	
12.	Scalpel Handle, BP, No.4, No.3	2	√	
13.	Needle Holder, Mayo	2	√	
14.	Scissors, Mayo, curve 165 mm	2	√	
15.	Scissors, blunt tip	2	√	
16.	Scissors, Stitch Cutting	2	√	
17.	Probe, 178 mm	1	√	
18.	Volkman scoop	2	√	
19.	Sucker, Nozzle	1	√	
20.	Retractors, west & self retaining – small	1	√	
21.	Retractors, Lagenbeck small	2	√	
22.	Retractors, skin hook	2	√	
23.	Retractors, Kilner catspaw	2	√	

Annex-1. c. Tracheostomy Set

Sl. No.	Name of the Instruments	Quantity	Essential & necessary	Necessary but not essential
1.	Forceps, artery, Mosquito	2	√	
2.	Forceps, artery, curved	2	√	
3.	Forceps, sponge	1	√	
4.	Clip, towel, Mayo	4	√	
5.	Instrument Pins	1	√	
6.	Forceps, dissecting, Adson plain end 127 mm	1	√	
7.	Forceps, dissecting, Gillies	1	√	
8.	Forceps, dissecting, McIndoe	1	√	
9.	Forceps, Tissue, Allis	4	√	
10.	Forceps, Tissue, Babcock	2	√	
11.	Forceps, Tissue, Littlewood	2	√	
12.	Scalpel Handle, BP, No.4, No.3	1	√	
13.	Needle Holder, 152 mm	1	√	
14.	Scissors, Strabismus	1	√	
15.	Scissors, McIndoe	2	√	
16.	Retractors, Single sharp hook	2	√	
17.	Retractors, Single blunt hook	2	√	
18.	Retractors, Double blunt hook	2	√	
19.	Retractors, West	1	√	
20.	Bowlby tracheal dilator	1	√	

Annex-1. d. Suture Set

Sl. No.	Name of the Instruments	Quantity	Essential & necessary	Necessary but not essential
1.	Forceps, artery, curved, medium	4	√	
2.	Forceps, dissecting, 1 Treves 127 mm	2	√	
3.	Forceps, Dissecting 1 Plain end 127 mm	2	√	
4.	Forceps, Artery, Straight	2	√	
5.	Suture Scissors- medium	2	√	
6.	Needle holder Medium	1	√	
7.	Gally pot	1	√	
8.	Kidney Tray	1	√	
9.	Towel Clip	4	√	
10.	Allis Tissue Forceps	2	√	
11.	Scalpel Handle, BP, No.4, No.3	1	√	
12.	Sponge holding forcep	1	√	

Annex-1. e. I.V cut down set

Sl. No.	Name of the Instruments	Quantity	Essential & necessary	Necessary but not essential
1.	Mosquito Forceps	8	√	
2.	Towel Clip	4	√	
3.	Tooth dissecting	1	√	
4.	Scissors	2	√	
5.	Tissue Forceps	2	√	
6.	Skin hook	1	√	
7.	Scalpel Handle, BP, No.4, No.3 with blade	1	√	
8.	Sponge holding forceps	1	√	
9.	Needle holder (Medium)	1	√	

2. ORTHOPEDICS UNIT

Sl. No.	Item	Categories of bed				Remarks	Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed			
1.	Arthroscope	-	-	1	1		√	
2.	Plaster room equipment with plaster table	1	1	1	2		√	
3.	Operation room equipment sets	2	2	2	3	Annex-2.a	√	
4.	Basic Instrument set for fracture	2	2	3	4	Annex-2.a	√	
5.	External Fixator set	2 Normal	2 Normal	2 Large	2 Large		√	
6.	C-arm Image intensifier	-	-	1	1	Normal	√	
7.	Physiotherapy and occupational Therapy equipment sets	1	1	1	1		√	
8.	Portable X-Ray Machine	2	2	2	2		√	

Annex-2.a.

Orthopedics Instrument

Sl. No.	Name of the Instruments	Quantity	Essential & necessary	Necessary but not essential
1.	Swab Holding forceps	10	√	
2.	Towel Clip	100	√	
3.	Artery forceps – straight (Large, Medium, Small)	100	√	
4.	Artery forceps – curved (Large, Medium, Small)	100	√	
5.	Kochers Artery forceps – Straight	20	√	
6.	Kochers Artery forceps – Curved	20		√
7.	Mosquito Artery forceps – Straight	50	√	
8.	Mosquito Artery forceps – Curved	50	√	
9.	Allis Tissue Forceps – Medium	50	√	
10.	Allis Tissue Forceps – Large	30	√	
11.	Langhenback Retractors	20	√	
12.	Cats paw retractor – Various sizes	40	√	
13.	Blunt Knee retractor	20	√	
14.	Scissors – Straight (Large / Medium / Small)	20	√	
15.	Scissors – Curved (Large / Medium / Small)	20	√	
16.	Mayo Scissors – Curved (Medium / Small)	20	√	
17.	Mayo Scissors– Curved, Large	20	√	
18.	Mayo Scissors – Straight, Large	15	√	
19.	Mayo Scissors – Straight, Medium	10	√	
20.	Needle Holder – Medium	20	√	
21.	Needle Holder – Small	20	√	

Sl. No.	Name of the Instruments	Quantity	Essential & necessary	Necessary but not essential
22.	Dissecting Forceps (Non-teeth)	20	√	
23.	Dissecting Forceps (Tooth)	30	√	
24.	BP Handle no 3, 4	40	√	
25.	Plaster Cutting Saw (Electric)	04	√	
26.	Plaster Cutting Saw (Hand-saw)	04	√	
27.	Plaster cut Spreader	04	√	
28.	Bandage Cutting Scissor	20	√	
29.	Stitch Cutting Scissors	20	√	

Annex-2B: Operation Room equipment set

1.	Operating Table (Hydraulic)	2	√	
2.	Fracture Table (Fracture attachment Table)	2	√	
3.	Top Light for OT	2	√	
4.	Emergency Standby Light for OT	6	√	
5.	Bipolar Diathermy Machine	2	√	
6.	Sucker Machine (Electrical)	6	√	
7.	Sucker Machine (Padal Operated)	4	√	
8.	X-Ray Machine 300 MA (Portable)	2	√	
9.	Electric bone Cutting Saw	4	√	
10.	Electric bone drill	4	√	
11.	Universal Bone Drill (Pneumatic)	4	√	
12.	Pneumatic Tourniquet for upper and lower limb (Adult & baby size)	15	√	
13.	Eshmarch Rubber Tourniquet (Adult & baby size)	20	√	
14.	Wire Tightner	6	√	
15.	Mitchell Elevator Straight	10	√	
16.	Bristow's Periosteal elevator	10	√	
17.	Jimmy Retractor	15	√	
18.	Lane bone holding forceps (self Retaining)	10	√	
19.	Lane Faggs bone holding Forceps 12 1/2 in	10	√	
20.	HEY GROVES bone holding forceps, 8", 10", 12"	10	√	
21.	FERGUSSION bone holding Forceps, 8", 9"	10	√	
22.	Plate holding forceps	10	√	
23.	Murphy Lane bone Skid	05	√	
24.	Lane Bone Lever	10	√	

Sl. No.	Name of the Instruments	Quantity	Essential & necessary	Necessary but not essential
25.	Lane Bone Lever (Serrated end)	20	√	
26.	Bone Screw holding forceps	10	√	
27.	Kochers bone Hook	10	√	
28.	Bone cutting forceps (10 inches (curved))	10	√	
29.	Bolt Cutter	10	√	
30.	K-wire cutter	20	√	
31.	K-nail cutter	15	√	
32.	K-nail driver	10	√	
33.	Rush intramedullary Nail Driver Bender	05	√	
34.	Bone plate Bender pair	10	√	
35.	Sequestrum Forceps (Straight)	5	√	
36.	Tendon Holding Forceps	05	√	
37.	Bone Nibbler (Double action and curved)	15	√	
38.	Tendon Striper	04	√	
39.	Unipolar diathermy machine	04	√	
40.	Bone plate bender for making different angle	04	√	
41.	Menisectomy set	04	√	
42.	Bone Nibbler Double action curved	10	√	
43.	Smith Peterson Gouge (Straight Assorted) all size	05 each	√	
44.	Still Gouge (Curved) not required	05	√	
45.	Chiesel (Assorted) all size	05 each size	√	
46.	Osteotome (Straight) different size	15 each size	√	
47.	Large strong towel clip	20	√	
48.	Bone File	03	√	
49.	Skin hook (1/2/3/4 prong)	04 each size	√	
50.	Skin grafting knife (Humby Knife)	05	√	
51.	Guide Wires	20	√	
52.	Amputation Saw	05	√	
53.	Bone Lever (assorted) different size	06 each size	√	
54.	Medulary Reamer for femur no 6, 7, 8, 9, 10, 11, 12, 13, 14	04 each (manual)	√	
55.	Lowman bone holding clamp (small, medium, large)	05	√	
56.	Iliazarov external Fixator set	02	√	
57.	Universal external fixator device for tibia	10	√	
58.	A.O Basic and special instrument set	06	√	

Sl. No.	Name of the Instruments	Quantity	Essential & necessary	Necessary but not essential
59.	DHS set for fixator of fracture of femoral neck	04	√	
60.	Interlocking nailing set – femur, Tibia, Humerus	04	√	
61.	Hexagonal Screw driver (Different size depth screw)	22	√	
62.	Template for contouring bone plate	01	√	
63.	Hammer (different size)	10	√	
64.	Bone cutting saw	10	√	
65.	Bone Drill machine – Manual	10	√	
66.	Bone Drill machine – Pneumatic	04	√	
67.	Bone curate Different size	05 each size	√	
68.	Electric Medulary reamer for Femur	02		√
69.	Interlocking set for Humerus and Tibia	02 each	√	
70.	Compression with destruction external fixator AO like	04	√	
71.	Extractor for Tibial & humeral nail	04	√	
72.	Hand set	02 set	√	
73.	Spinal Instrument set	04 set	√	
74.	DCS set	04	√	
75.	Canulated electric reamer for Femur, Tibia & Humerus Different size	04 set		√
76.	Self retaining screw driver for different size screw	06	√	
77.	Measuring Gaj for measuring femoral head	03	√	
78.	Bone Grafting electrical Knife	02	√	
79.	Bone hook	04	√	
80.	Head electrical loop light to see small area		√	
81.	Self retaining retractor different size	04 set each	√	
82.	Depth measuring gauge of different size	04 each	√	
83.	Self retaining bone holding forceps for Femur & Radius, ulna, humerus	06 set each	√	

3. EYE UNIT

E.a. Some common instruments

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	Snellen Chart / Snellen Drum with or without remote control – OPD	2	2	3	5	√	
2.	Snellen Chart / Snellen Drum with or without remote control – IPD	1	2	2	3	√	
3.	Trial set with trial frame both for adult and children – OPD	2	2	3	5	√	
4.	Trial set with trial frame both for adult and children – IPD	1	1	2	2	√	
5.	Computerized Visual Field	0	0	1	1		√
6.	Color vision Chart	2	2	4	6	√	
7.	Near vision chart with different language	4	4	6	8	√	
8.	3 cell torch	4	4	6	8	√	
9.	Ophthalmoscope	4	4	4	5	√	
10.	Retinoscope	2	2	2	3	√	
11.	Slit Lamp	2	3	5	6	√	
12.	Schiotz Tonometer	2	2	3	4	√	
13.	Auto refractometer	1	1	1	2	√	
3.b. Out-Patient Department							
	Eye OPD Set	1	1	1	1	√	
Set contains: Slit Lamp, Torch, Applanation tonometer, Keratometer, Indirect Ophthalmoscope, Maddox Rod, Maddox Wing, Diplopia Goggles, Gonioscope, Placido disc, Prism Bar, Schlotz tonometer)							
3.c. Operation Theater Set – Major							
	Operating microscope with TV unit with Camera	0	0	1	2	√	
	Cryo unit	1	1	1	1		√
	Cataract unit	6	10	12	18	√	
	Glaucoma set	2	3	3	4	√	
	Entropian set	2	2	3	4	√	
	Enucleation set	2	2	3	4	√	
	Evisceration set	2	2	3	4	√	
	Squint set	2	2	3	4	√	
	General Ophthalmic equipment	2	2	2	3	√	
	Operating Microscope	1	1	0	0	√	
	Sterilization Instrument box or Tray	2	2	4	4	√	
	Phaco Machine	0	0	1	1	√	
	DCR set	3	3	3	4	√	

Cataract Extraction (each set) X 3 sets

Sl. No.	Name of instruments	Quantity	Essential & necessary	Necessary but not essential
1.	Eye speculum	2	√	
2.	Fixation forceps	2	√	
3.	Moor field clamp	3		
4.	Spring scissor	3	√	
5.	Razor and fragment holder	3	√	
6.	Cap Sulotome / Capsulorrhexis forceps	3		
7.	Lens expressors	2	√	
8.	Irrigation / aspiration cannula	4	√	
9.	Iris repositors	3	√	
10.	Lens holder and introducer	3	√	
11.	Mc Pherson forceps	3	√	
12.	Lister hook	2	√	
13.	Vannus Scissor	2	√	
14.	Plane Lens dialor	1		
15.	Barrque needle holder o/c	1	√	
16.	Hydrodissection cannula	3	√	
17.	Irrigating Veltis	2	√	
18.	Towel Clip / Mosquito forceps	2	√	
19.	Silk Kock needle holder	1	√	
20.	Crescent Knife	1	√	
21.	Keratome	1	√	
22.	15 ⁰ side port knife	1	√	
23.	5.1 size Keratome	1	√	
	Chalazion operation			
24.	Chalazion clamp	4	√	
25.	Razor Blade fragment holder	4	√	
26.	Chalazion scoop	4	√	
27.	Scissor (Straight + Curved)	4	√	
*	BP Handle with BP Knife 11 ⁰ , 15 ⁰	1	√	
	Pterygium operation			
28.	Eye speculum	4	√	
29.	Fixation forceps	4	√	
30.	Razor blade fragment holder	4	√	
31.	Thermal cautery	4	√	

Sl. No.	Name of instruments	Quantity	Essential & necessary	Necessary but not essential
	Foreign body Removal			
32.	Eye speculum	1	√	
33.	Fixation forceps	1	√	
34.	Hand magnet	2	√	
35.	26-G Needle	2	√	
	Enucleation / Evisceration			
36.	Eye speculum (Universal)	4	√	
37.	Fixation forceps	2	√	
38.	Spring scissor	2	√	
39.	Squint hook	2	√	
40.	Enucleation scissor	2	√	
41.	Evisceration scoop	2	√	

DCR set

Sl. No.	Name of instruments	Quantity	Essential & necessary	Necessary but not essential
42.	Mullars Retractor	1	√	
43.	Cats Paw (Small Size)	2	√	
44.	BP Blade Handle	1		
45.	Spring Scissor	1	√	
46.	Sac Retractor	1	√	
47.	Bone Nibbler	1		
48.	Punch Forceps	1	√	
49.	Small Artery Forceps	4	√	
50.	Bone Trepine	2	√	
51.	Lacrimal Probe	1 set	√	
52.	Punctum Dilator	1	√	
53.	Periosteal Elevator	1	√	

4. ENT Unit

4.a. Out Patient Department

Sl. No.	ITEM Name of the Instrument	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	ENT OPD Set	2	2	2	3	√	
	Set Contains: Nasal Speculum, Otoscope, Laryngeal mirror, Nasopharyngeal mirrors, Ear suction, Suction apparatus, Siegles speculum, Tuning fork, Tongue depressor, Bayonet forceps, Head Lamp, ENT examination chair, Jobson Horne probe, Sterillizer, BP apparatus, Stethoscope, Auril F.body hook, Nasal F. body hook, Crocodile Forcep, Zollen sucker nozzle, Dressing forcep, Aural cup forcep						

4.b. Operation theatre

Sl. No.	ITEM Name of the Instrument	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	Tonsillectomy and Adenoidectomy set	2	2	2	3	√	
	Set contains: Tonsil snare, Tonsil scissors, Tonsil holding forceps, Tonsil dissector and pillar retractor Bipod, Negus artery forceps, Negus Knot tier, Boyle-Davis mouth gag, Adenoid curette, Yankauer oropharyngeal suction tip, Wilson artery forcep, long tonsillar artery forcep, Pharyngeal sucker.						
2.	Set for Nasal bone fracture	1	1	2	2	√	
	Set contains: Walsham forceps, Tilley dressing forceps, Thudium nasal speculum, Asch forceps						
3	Septoplasty set	2	2	2	3	√	
	Set contains: Bayonot forceps, Long Killians nasal Speculum, Freer elevator, Fish tail gouge and mallet, Ewirinmur forcep, Tilley hawelles forcep (small & Large), Nasal Forceps.						
4.	Caldwel Iuc set	1	1	2	2		√
	Set contains: Mallet, Nasal gouge, Ribon Retractor, Check retractor, Citelleys punch forcep						
5.	Antrostomy Set	2	2	2	3		√
	Set contains: Antral, Retrograde gouge, Antral rasp, Antral Perforator						
6.	FEES set	-	-	2	2	√	
	Set contains: Rigid nasal endoscope 0, Rigid nasal endoscope 30, Monitor, Fiber-optic Cable, Endoscopic Camera, Light source, Sickle knife, Retrograde punch, Blakesley forceps-straight, 40 upturn, J shape Cuvette, Dental Syringe with needle. Tely-hankle Forceps						
7.	Direct Laryngoscope set	1	1	2	2	√	
	Set contains: Anterior commissure, Laryngoscope, Inspection laryngoscope, Lighting system for laryngoscope, Biopsy forceps, Foreign body removal forceps, Laryngoscope suction.						
8.	Micro-laryngoscope Set	1	1	1	1	√	
	Set contains: Kleinsassers Laryngoscope, Fibroptic lighting system, Fiber-optic Cable with Camera, Monitor, suspension system for laryngoscope, Microlaryngeal cup forceps, Micro-laryngeal scissors,						

Sl. No.	ITEM Name of the Instrument	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
	Microlaryngeal knife, Laryngeal diathermy pulse. Foreign body removal forceps, Laryngoscope suction.						
9.	Tympano- Mastoidectomy set	1	1	2	2	√	
	Set contains: Mallet, Gouge, Endaural , Electric drill, Mastoid seekers, aditus seeker, Malleus head nipper, Circular Knife, Tympano mental forcep elevator, Needle staigh curvedc, Antral cup forceps, Myringotome						
10.	Stapedectomy set	1	1	2	2		√
	Set contains: Pick-straight, Angled Perforator, Measuring rod, Prosthesis crimper						
11.	Oesophagoscopy set	1	1	2	2	√	
	Set contains: Fibroptic Oesophagoscope, Lighting, Light Source, Fiber-optic Cable, Biopsy Forceps, Foreign body removal forceps Suction, Esophageal dilator.						
12.	Bronchoscopy set	1	1	2	2	√	
	Set contains: Fibroptic Bronchoscopes, Lighting system, Biopsy Forceps, Foreign body removal Forceps Suction						
13.	Tracheostomy set	1	1	2	2	√	
	Set contains: Needle holder, BP knife handle, Ribbon right angle retractor, Curved arteries, Straight arteries, Criocoid hook, Tracheal dilator.						
13.	Operating Microscope with monitor with Camera			1	1	√	

4.c. Minor OT

Sl. No.	ITEM Name of the Instrument	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	Antral Wash set	2	2	2	2		√
	Set contains: Trocar, Canula, Higginsons syringe						
2.	Direct laryngoscope set	2	2	2	2	√	
	Set contains: Laryngoscope Anterior commissure, Negus Lighting system for laryngoscope, Biopsy forceps, Foriegn body removal forceps, Sterilizer, Aural Syringe, Tracheostomy set, Cricothyrotomy set, Quinsy forceps, Laryngeal forceps, Aural snare, Aural cup forceps..						

4.d. In-patient Department

Sl. No.	ITEM Name of the Instrument	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	Central suction	1	1	1	1	√	
2.	Oxygen set	2	2	2	2	√	
3.	Humidifier	1	1	1	1	√	
4.	Special Equipment	2	2	2	3		√
5.	Puretone Audiometer	1	1	1	1	√	
6.	Impedance Audiometer	1	1	1	1	√	
7.	Tuning fork					√	
8.	Touorch light					√	
9.	Stethoscope					√	

5. GYNAECOLOGY & OBSTETRICS UNIT

5.a. Outpatient Department Set

Sl. No.	ITEM Name of the Instrument	Categories of bed				Remarks	Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed			
1.	Simple fetal Doppler	2	2	4	4		√	
2.	Stitch removal set (Artery forceps, Sponge holding forceps, Scissors, Kidney Tray)	2	2	2	5		√	
3	Dressing set (Artery forceps, Sponge holding forceps, Scissors, Kidney Tray)	2	2	2	5		√	
5.	Weighting machine	2	2	2	4		√	
6.	Height Scale	2	2	2	2		√	
7.	View box	2	2	2	4		√	
8.	BP apparatus measuring tapes, gloves, syringes, needles, torch, Stethoscope, Thermometer	2	3	4	6		√	
9.	Resuscitation tray (ET tube, ambo bag, Suction catheter)	2	2	4	6		√	
10.	Suction machine	1	1	1	2		√	
11.	Vaginal Speculum Cusco's Sim,s	4	5	6	8		√	
12.	Sponge holding forceps	2	3	4	6		√	
13.	Vulselum	2	3	4	6		√	
14.	Longartery Forceps	1	1	2	2		√	
15.	Plain rubber catheter	2	3	4	4		√	
16	Spot light	1	1	2	2		√	
5.b. Main Or (Gyne & Obs)								
1.	Gynecology basic set	4	4	6	8	Annex-3.A	√	
2.	Vaginal Suture set	4	4	6	8	Annex-3.B	√	
3.	Tubal ligation set	3	3	4	6	Annex-3.C		√
4.	LUCS Set	4	4	6	8	Annex-3.D	√	
5.	D&C Set	4	4	6	10	Annex-3.E	√	
6.	Abdominal hysterectomy set (Arteries, scissors, scalpel, Allis Kelly,s clamp, Babcock forceps, thumb forceps, Harinton and Richardson retractor)	3	4	4	6		√	
7.	Vaginal Hysterectomy set Set Contains Scalpel, Scissors, metal catheter, SIMM's, Speculum, Volsellum, kellys clamp, right angle retractor, arteries, Allis, uterine sound, bladder sound	2	2	2	4			√
8.	Tuboplasty set	2	2	2	4			√
9.	Myomectomy instruments	2	2	2	2			√

Sl. No.	ITEM Name of the Instrument	Categories of bed				Remarks	Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed			
10.	Diagnostic laparoscopy set				1			√
11.	Operating Laparoscopy set				1			√
12.	Electronic Carbondioxide insufflator				1			√
13.	Insufflator basic set Resectoscope				1			√
14.	Electro-cautery	1	1	2	2		√	
15.	High suction Machine	1	1	1	1		√	
16.	Insufflator basic set				1			√
17.	Resectoscope			1	1			√
18.	Hysteroscope			1	1			√
19.	Vacuum Extractor & Suction	2	2	2	3		√	
20.	Decapitation hook	2	2	3	3			√
21.	Crani oclast with Cephalotribe	2	2	2	4			√
22.	Oldham Perforator	2	2	4	4			√
23.	Infusion Pump	1	1	2	2		√	
24.	Surgical trolley	2	2	4	4		√	
25	Sims Speculum	4	4	6	7		√	
26	Refrigerator	1	1	1	1		√	
25	AC	1	1	1	1		√	
5. c. LABOUR ROOM								
	Delivery Set	5	5	7	7	Anne x-3.F	√	
	BP apparatus & stethoscope	2	2	2	3		√	
	Fetal Doppler	1	1	1	1		√	
	Cardiogram machine Portable ultrasound	1	1	1	1		√	
	High suction machine	1	1	1	1		√	
	Resuscitation Tray(Neonatal)	2	2	2	3		√	
	Sterilizer	2	3	3	3		√	
	Sport light	2	3	3	3		√	
	Refrigerator	1	1	1	1		√	
5. d Minor OT								
	D & C set	2	2	3	4	Annex -3D	√	
	Resuscitation tray	2	2	2	3		√	
	MTP set	6	6	6	8	Annex -3.I.		√
	IUCD insertion/Removal set	2	2	2	2	Anne x-3.G		√
	Cervical biopsy set	1	1	2	2			√
	High suction machine	1	1	1	1		√	
	Hydro-tubation set	1	1	1	1			√
	Refrigerator	1	1	1	1		√	
	Special Equipment: Multichannel monitor with ECG, BP, HR, Pulse oxymeter for high risk pregnant patient			1	1		√	
	Aircondition	1	1	1	1			

Sl. No.	ITEM Name of the Instrument	Categories of bed				Remarks	Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed			
5.e. Inpatient Department								
	Stethoscope	4	4	5	6		√	
	Weighing machine	2	2	2	3		√	
	BP apparatus	4	4	5	5		√	
	Height scale	1	1	1	1		√	
	Speculum cuscus	3	4	4	6		√	
	Glucometer	1	1	1	2		√	
	Suture removal set	2	2	4	6		√	
	Cutdown set	2	2	2	2		√	
	Suction machine	2	2	3	3		√	
	Resuscitation set	2	2	2	3		√	
	View box	2	2	2	3			√
	Central Oxygen and suction				1		√	
5.f. Special Equipment								
	Fetal monitor for Antepartem Surveillance	1	1	2	2		√	
	Ultrasound machine				1		√	
	Doppler vaginal probe				1		√	
	Multichannel monitor	1	1	1	1			√
	Colposcope	1	1	1	1			√
	Railed cot	10	10	10	10		√	
	Ayers Spatula	15	15	20	20		√	

ANNEX 3

Annex 3A:

Gynecology Basic Set

Sl. No.	Description	Quantity	Essential & necessary	Necessary but not essential
1	Forceps, Dissecting, Bonney Plain ends	4	√	
2	Forceps, Dissecting, Bonney 1x2 teeth	4	√	
3	Forceps, Dissecting, Plain ends	4	√	
4	Forceps, Dissecting, Lane 2X3 teeth	4		√
5	Rampléy sponge holder	2		√
6	Backhaus towel clip	6		√
7	Instrument Pin	6		√
8	Forceps, artery, Dunhill	4		√
9	Spencer Wells straight 178 mm	4		√
10	Mayo Ochsner 178mm	2		√
11	Forceps tissue, Allis	6		√
12	Forceps, tissue, Littlewood	6		√
13	Scalpel handle, BP No-4	2		√
14	Mayo Hegar needle holder 178 mm	2		√
15	Scissors, Blunt/blunt 127 mm	2		√
16	Scissor, Mayo curved 165 mm	2		√
17	Scissor, Mayo straight 191 mm	2		√
18	Scissor, Mayo curved 191 mm	2		√

Annex 3 B

Vaginal Suture Set

Sl. No.	Description	Quantity	Essential & necessary	Necessary but not essential
1	Forceps, Dissecting, Plain ends 152 mm	4	√	
2	Forceps, Dissecting, Treves	4		
3	Forceps, artery, Kochers 203 mm	4	√	
4	Forceps, artery, Crile	4		√
5	Forceps, Sponge, Rampléy	6		√
6	Mayo towel clip	6		√
7	Allis tissue forceps	6	√	
8	Scalpel Handle, BP. No. 3 No. 4	2	√	
9	Needle holder, Mayo, 152 mm	2	√	
10	Scissors Mayo straight 165 mm	2	√	
11	Scissors Mayo curved 165 mm	2	√	
12	Teal vulsellum	1		
13	Sims speculum	1	√	
14	Auward speculum	1		

Annex-3C

Tuball Ligation Set

Sl. No.	Description	Quantity	Essential & necessary	Necessary but not essential
1	Mayo towel clip	4		√
2	Forceps, sponge, Rampley	4		√
3	Forceps, dissecting, Plain ends 127mm	4		√
4	Forceps, di secting, Plain ends 152mm	4		√
5	Forceps, dissecting, Lane 178mm	4		√
6	Forceps, artery, Crile	4		√
7	Forceps, artery, Spencer wells 203mm	6		√
8	Forceps, tissue, lane	4		√
9	Forceps, tissue, stils	4		√
10	Scalpel handle, BP No.4.	2		√
11	Needle holder, Mayo	2		√
12	Scissors, Mayo, Straight 127mm	2		√
13	Scissors Mayo, curved 127mm	2		√
14	Scissors, Stich	2		√
15	Aneurysm needle	1		√
16	Childe approximating	1		√
17	Michel clip	1		√
18	Quiver	1		√
19	Retractor, Lagenbeck small	1		√
20	Retractor, Lagenbeck large	1		√
21	Retractor, Lagenbeck medium	1		√
22	Retractor, Gosset	1		√

Annex 3D

LUCS Set

Sl. No.	Description	Quantity	Essential & necessary	Necessary but not essential
1	Forceps, dissecting, Bonney plain	4	√	
2	Forceps, sponge, Ramply	4	√	
3	Forceps, dissecting, Bonney 1x2 teeth	6	√	
4	Backhaus towel clip	6	√	
5	Forceps, artery, crile curved 146mm	6	√	
6	Forceps, artery, spencer Well curved 178mm	6	√	
7	Forceps, tissue, Allis	6	√	
8	Forceps, tissue, Littlewood.	6	√	
9	Scalpel Handle, BP, No-4	2	√	
10	Needle Holder, Mayo, 178mm	2	√	
11	Scissors, Stich	2	√	
12	Scissors, Mayo curved, 178mm	2		√
13	Scissors, Mayo Straight, 178mm	2		√
14	Wrigley forceps	3		√
15	Green Armytage forceps	2		√

Sl. No.	Description	Quantity	Essential & necessary	Necessary but not essential
16.	Child approximating	2		√
17.	Michel clip	2	√	
18.	Retractor, Doyen	1	√	
19.	Retractor, Morris 51mm	1	√	
20.	Retractor, Lange beck medium			√

Annex 3E

Dilatation & Curettage

Sl. No.	Description	Quantity	Essential & necessary	Necessary but not essential
1.	Cross action towel clip	2	√	
2.	Ramplly, sponge forceps	2	√	
3.	Forceps, dissecting, Bonney plain	2		√
4.	Forceps dissecting Bonney 1X2 teeth	2		√
5.	Teate Vulsellum	1	√	
6.	Uterine Sound	1	√	
7.	Sims sharp curette D.E.	1	√	
8.	Sims sharp curette D.E.	1	√	
9.	Hawkin Amber set	2		√
10.	Sims Speculum	2	√	
11.	Auward speculum	1	√	
12.	Vant polyp forcep	1		√
13.	Rheinstater curette	1		√
14.	Female catheter	1	√	
15.	Bozemann Dressing	1	√	
16.	McClintock ovum forceps	1		√

Annex 3F: Delivery Set

Sl. No.	Description	Quantity	Essential & necessary	Necessary but not essential
1.	Sponge Holding forceps	6	√	
2.	Artery Forceps	4	√	
3.	Artery Forceps (Medium), Curved	2	√	
4.	Artery Forceps (Medium); Straight	2	√	
5.	Mosquito forceps (curved)	2	√	
6.	Needle Holder	1	√	
7.	Tooth Dissecting forceps	1	√	
8.	Sims Speculum (Double Blade)	2	√	
9.	Towel Clip	4	√	
10.	Kidney Dish	1	√	

Annex 3.G: IUCD Set

Sl. No.	Description	Quantity	Essential & necessary	Necessary but not essential
1.	Sims Speculum (Double Blade)	1	√	
2.	Volselum	1	√	
3.	Artery Forceps (Large), Curved	1	√	
4.	Artery Forceps (Large); Straight	1	√	
5.	Kidney Dish	1	√	

Annex 3.H: Cervical Biopsy Set

Sl. No.	Description	Quantity	Essential & necessary	Necessary but not essential
1.	Sponge Holding forceps	2	√	
2.	Volselum / Tenaculum	1	√	
3.	Sims Speculum	1	√	
4.	Surgical Blade		√	
5.	Tissue forceps	1	√	
6.	Punch Biopsy Forceps	1	√	

Annex 3.I: MTP Set

Sl. No.	Description	Quantity	Essential & necessary	Necessary but not essential
1.	MR Syringe	4	√	
2.	Canula	3	√	
3.	Sucker Machine	1	√	
4.	Sponge Holding forceps		√	
5.	Sims Speculum	1	√	

6. Medicine unit

6.a. Out-Patient Department

Sl. No.	Item	Categories of bed				Remarks	Essential & necessary	Necessary but not essential
		100 bed	150 bed					
	OPD Instruments set	2	2	2	4			
Set contain: Stethoscope, Ophthalmoscope, BP machine, X-ray viewing box, Upper GI endoscope, Torch, Patient examination table, Rubber Hammer, Endo-tracheal tube, Emergency light, Weight machine. Thermometer, Tongue depressor, ECG machine								

6.b. In-Patient Department

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	Stethoscope	2	2	2	4	√	
2.	Ophthalmoscope	1	1	2	2		√
3.	BP Machine	2	2	2	4	√	
4.	Lumber Puncture needle (Disposable)	2	2	3	4	√	
5.	X-Ray viewing box	2	2	2	2		√
6.	Upper GI Endoscope	-	-	-	1	√	
7.	Bed side cardiac monitor	-	-	-	1		√
8.	Defibrillator	-	-	-	1		√
9.	Pulse Oxymeter	-	-	-	1		√
10.	Ambu Bag	-	2	2	2	√	
11.	Aspiration needle (bone marrow)	2	2	2	4	√	
12.	Torch	2	2	2	2		√
13.	Patient examination table	2	2	2	2		√
14.	Rubber Hammer	2	2	2	2		√
15.	Endotracheal tube	2	2	2	2		√
16.	Emergency light	2	2	2	2	√	
17.	Portable ECG	1	1	2	3		√
18.	Sucker machine	2	3	3	3	√	
19.	Infusion pump	1	1	2	3	√	
20.	Medicine trolley	1	1	2	3		√
21.	Round trolley	2	2	3	3	√	
22.	Saline stand	5	5	10	10	√	
23.	Bed side screen	2	2	3	3		√
24.	water seal drainage	2	2	3	3		√
25.	Computer with printer	1	1	2	2		√
26.	Mouth gag	2	2	4	4	√	
27.	Liver biopsy set	1	1	2	2		
28.	Plural biopsy set	1	1	2	2		
29.	Refrigerator	1	1	2	2	√	
30.	Air Conditioner	1	1	2	2	√	
31.	Nebuliser machine	1	1	2	2	√	
32.	Thermometer	1	1	1	1	√	

7. Pediatrics Unit

7.a. General

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	Resuscitation equipments a) Face Mask-Different size, Ambu Bag (Infant & new born), Nasal prongs, Nasal Catheter- 2.5, 3.0, 3.5	2	2	4	4	√	
	b) Endotracheal tubes, Suction apparatus, (Eles Padutal, Hand sucker), Suction Catheter- Laryngoscope (Infant, Children)	1	2	2	2	√	
2.	Oxygen Delivery System a) Oxygen cylinder, Oxygen regulator, Oxygen Humidifier, Oxygen Head box,	2	2	4	4		√
	b) Nebulisers	4	6	8	10	√	
3.	Drug Delivery Set Intravenous canula, Intravenous drip set, Measured volume set, Blood transfusion set-different size, Intracath- different size, Umbilical vein catheter, feedings tubes- different size, Cut open canulla, Infusion pump for 250 bed only.	4	4	6	8		√
4.	Resuscitation Equipments <ul style="list-style-type: none"> • Face mask different size • Suction apparatus – 3 types (Electrical, Pedestal, Hand Sucker) • Infusion pump 	-	-	-	1		√

7.b. Miscellaneous

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	Radiant warmer	1	1	2	2		√
2.	Infant Incubator	1	1	2	2		√
3.	Photo therapy unit	2	3	4	4	√	
4.	Ophthalmoscope Paed	1	2	2	2		√
5.	Thermometer-oral and Rectal	4	4	6	8	√	
6.	Weight machine (Paed)	2	2	2	2	√	
7.	Infant meter/ Steadiometer	1	1	1	2		√
8.	LP Needle	1	1	1	2	√	
9.	BP machine with diff. size cuff.	2	2	2	2	√	
10.	Stethoscope (Paed)	2	2	3	3		√
11.	X-Ray viewing machine	2	2	4	4		√
12.	Pulse Oxymeter	01	01	1	1		√

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
13.	Auroscope (Paed)	01	01	1	1		√
14.	Aspiration needle (Bone marrow)	-	-	1	1		√
15.	Torch light	2	2	2	3		√
16.	Glucometer	1	1	2	2		√
17.	Emergency Light	1	1	1	2	√	
18.	Patient Examination Table	1	1	2	2		√
19.	Kidney Tray	1	1	2	2		√
20.	Artery Forceps	1	1	2	2	√	
21.	Sterilizer	2	2	3	3	√	
22.	Tongue depressor Metallic	2	3	4	4		√
23.	Tongue Depressor (Disposable)	100	100	100	100	√	
24.	Test tube Holder	2	2	4	4	√	
25.	Metallic Disposable	100	100	200	200	√	
26.	Spot light	1	1	2	2		√
27.	Room Heater	1	1	2	2		√
28.	Refrigerator	1	1	1	1		√
29.	Ophthalmoscope – Paediatric size	1	1	1	1		√
30.	Weighting Machine (a) for baby (b) NNC Bar (c) Bathroom	1	1	1	1	√	
		1	1	1	1		
		1	1	1	1		
31.	Stadiometer (Instrument to measure height)	1	1	1	1		√
32.	Auroscope	-	-	1	1		√
33.	Spot light	1	1	2	2		√

8. Anesthesia Unit

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	Breathing unit Adult	4	4	6	6	√	
2.	Breathing unit Pediatric	2	4	6	6	√	
3.	Megils forcep (Large, medium, small)	2	2	3	4	√	
4.	Rebreathing bag 500ml, 1.5, 2 ml)	8	8	10	12	√	
5.	Endotracheal tube, portex cuffed, pvc, 5.0, 5.5, 6.0, 6.5, 7, 7.5, 8. assorted (Each type)	120pc/ month	120pc/ month	120pc/ month	120pc/ month	√	
6.	Laryngoscope-3 blade	4	4	6	6	√	
7.	Pediatrics laryngoscope	2	2	2	2	√	
8.	Resuscitation set: Adult	1	1	1	1	√	
9.	Resuscitation set: Neonate	1	1	1	1	√	
10.	Oxygen administration device	10	10	10	10	√	
11.	Suction unit					√	
12.	Nebulizer					√	
13.	Ventilator					√	
14.	Endotracheal tube Uncuffed/ PVC magills, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6.5, 7.5, 8.5 assorted	24	24	24	36	√	
15.	Mask, Face,2,3,4,5 Anesthesia Adult	4	4	4	4	√	
16.	Pediatric Face mask, 0 , 00, 1,2,3 each size	2	2	2	2	√	
17.	Air Way tube – Adult size, 1,2,3,4,5,6,7	3	3	3	3	√	
18.	Air Way tube – Pediatric size,0,1,2,3	3	3	3	3	√	
19.	Cylinder – Oxygen	8	8	12	16	√	
20.	Cylinder – Nxtras Oxide	4	4	6	8	√	
21.	BP Machine	6	6	6	6	√	
22.	Stethoscope	6	6	6	6	√	
23.	Resuscitation set – Adult	2	2	2	3	√	
24.	Resuscitation set – child	2	2	2	3	√	
25.	Weight Machine	2	2	3	3	√	
26.	Defibrillator	2	2	3	3	√	
27.	Ambu Bag	3	3	3	4	√	
28.	Pulse Oximeter	2	2	2	2	√	
29.	Cardiac monitor	1	1	2	2	√	
30.	Water Seal Drainage	1	1	2	2	√	
31.	Anesthesia machine (Depend on No. of OT each OT requires individual Anesthesia machine)	2	2	2	3	√	
32.	Oxygen cylinder (bull nose)	10	10	10	15	√	
33.	Nitrus Oxide cylinder	5	5	8	8	√	
						√	
	8.b. Anesthesia Gas Inhalation Equipment, Adult					√	
34.	<u>Anesthesia Gas Inhalation Equipment set</u> Boyles apparatus 2 gas (O2 & N2O) with halothane vaporizer Bag, Ambu, Self Inflating, Adult size, 22mm female inlet cone, 22/15mm patient cone, ISO specification, inelastic pouch, with nipple for oxygen inlet at one side. Valve, pediatric, non-breathing, anesthesia type, for controlled or spontaneous respiration, with 15mm male inlet cone, 22/15 patient cone, and 15mm outlet cone, with 4 spare leaflet, and 15mm male to 22mm female plastic adapter.	2	2	2	2	√	

9. Operation Theater

9.a. Common item

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	Operating Table, general purpose, Hydraulic	3	3	4	4	√	
2.	Mattress for operating table	3	3	4	4	√	
3.	Cover, Mackintosh, for mattress	3	3	4	4	√	
4.	Arm board for operating table	3	3	4	4	√	
5.	Orthopedics / plaster table, basic with accessories	1	1	2	2	√	
6.	Stools, surgeon, Anesthetics, fixed flexible height with stump feet and anti-static cushion	10	10	15	15	√	
7.	Light, operation theatre, pendent	3	3	4	4	√	
8.	Operation theatre Spare parts stock	1	1	1	1	√	
9.	Operating theatre lamp, mobile, battery, mains	3	3	4	4	√	
10.	Suction, foot pump	1	1	1	1	√	
11.	Suction machine, electric.	3	3	4	5	√	
12.	Suction machine Spare parts stock	1	1	1	1	√	
13.	Clock walls with second hand, mains/battery	3	3	4	4	√	
14.	X-ray viewer, Double, PVE coated steel	3	3	4	4	√	
15.	Air conditioner, wall mounted, single phase, 240V AC, 3KW	3	3	4	4	√	
16.	Air Conditioners Spare parts stock	1	1	1	1	√	
17.	Autoclave instrument Spare parts stock	1	1	1	1	√	
18.	Cautery Machine, heavy duty electric, with electrodes	2	2	2	3	√	
19.	Cautery Machine Spare parts stock	1	1	1	1	√	
20.	Instrument trolley, SS Selves, 610mm X 460mm 860mm Anti-static	4	4	5	6	√	
21.	Pedal bin, 13 liter, plastic shell and pail	2	2	3	3	√	
22.	Bowl stand	6	6	8	8	√	
23.	Instrument Tray, stainless steel with lid, 312 x 200 x 69mm	6	6	8	10	√	
24.	Mayo Table with antistatic castors, SS tray, 500 x 375 x 254mm	3	3	4	4	√	
25.	Cabinet, Instruments, metal, W/glass doors, shelves, 920X610X350mm	2	2	3	3		√
26.	Trolley, instrument w/o rail, 610X460X860mm	3	3	4	4		√
27.	Stand, solution, with 2X350mm SS Bowls	4	4	4	5		√
28.	Drip stands, Telescopic, double-hook	3	3	4	5		√
29.	Torch light	3	3	4	5		√
30.	Anesthetics trolley	3	3	4	4		√

9.b. Theater Clothing's and General Supplies

Sl. No.	Item	Categories of bed				Remarks
		100 bed	150 bed	200 bed	250 bed	
1.	Materials for theatre clothing, sheets. Etc. 102cm wide, per meter.					
2.	Clogs, assorted sizes, male and female		Assumptive			
3.	Aprons, mackintosh, assorted size					
4.	Caps, cotton					
5.	Masks, theatre, cotton, per 100					
6.	Gowns theatre, green cotton, autoclavable					
7.	Gloves (pair), operating, reusable size 6					
8.	Gloves (pair), operating, reusable size 6.5					
9.	Gloves (pair), operating, reusable size 7					
10.	Gloves (pair), operating, reusable size 7.5					
11.	Gloves (pair), operating, reusable size 8					
12.	Gloves (pair), Heavy duty, rubberized					
13.	Glove powder					
14.	Soap, anti-septic, gamophan, 70kg					
15.	Brush, surgeons, scrub, autoclavable					
16.	Theatre drape, cotton, green, 150X180mm					
17.	Sheeting, clear vinyl, 91cm wide, 25 meter roll					
18.	Sqeegee (sponge floor water mop)					
19.	Mop bucket					
20.	Mop head, with handles					

10. Dermatology Unit

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	Spot Lamp with Lens & stand (Portable)	1	1	2	2	√	
2.	Dermatoscope	1	1	2	2		√
3.	Spot Lamp (Portable)	4	4	6	6	√	
4.	Spot light with stand	1	1	2	2	√	
5.	Cryo-surgery set: (a) Cryo-gun, (b) Cryogen Jar (20 Litre)	1	1	1	1	√	
6.	Electro-cautery machine (Bipolar)	1	1	1	1	√	
7.	Skin-biopsy instrument set: (a) Artery forceps (b) Needle holder, (c) Stitch cutting scissor (d) Fine scissors (e) BP handle (f) Tooth dissecting forceps (g) Tissue forceps (h) OT drum (small) (i) Tray with Lid (small) (j) Gulli pot (k) Punch Biopsy Machine	1	1	1	1		
8.	Wood's Lamp	1	1	1	1		√
9.	PUVA machine (a) UVA (b) UVB, (c) Narrow band UVB	X	x	x	1	√	

11. Emergency Unit

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	Patient Trolley	3	3	3	4	√	
2.	Basic operating theatre table, consisting of # head section, # Foot section, # Body section, # Lithotomy poles, # Mattress, # shoulder rest.	1	1	1	1	√	
3.	OT light	1	1	1	1		√
4.	Oxygen Therapy apparatus, W/masks, flow-meter, cylinder trolley	2	2	4	4	√	
5.	Ambu-bag	2	2	2	2	√	
6.	Airway tube	4	4	6	8		√
7.	Sucker Machine	1	1	2	2	√	
8.	BP machine	3	3	3	4	√	
9.	Face Musk – Big	3	4	5	8		√
10.	Face Musk – small	3	4	5	8		√
11.	BP Handle, No. 4	6	8	10	12		√
12.	Artery forceps - Straight	6	8	8	10	√	
13.	Artery forceps – Curved	6	8	16	20	√	
14.	Mosquito forceps – Straight	6	8	8	10		√
15.	Mosquito forceps – Curved	6	8	16	20		√
16.	Plain dissecting forceps	8	10	12	18	√	
17.	Tooth dissecting forceps	8	10	12	18	√	
18.	Right angle detector	8	10	12	18		√
19.	Needle holder – Large	4	7	10	12	√	
20.	Needle holder – small	2	3	6	6	√	
21.	BP Blade	6	8	10	12	√	
22.	Instrument trolley	1	1	2	2	√	
23.	Stomach tube	3	5	5	6	√	
24.	Portable Autoclave	1	1	2	2		√
25.	Resuscitation kit, manual, infant	1	1	2	2	√	
26.	Umbo-bag, self inflating, Adult size, 22mm female inlet cone, 22/15mm patient cone	1	1	2	2	√	
27.	Operating lamp, mobile, 12V including Battery, Spare bulbs, and supplied with charger	1	1	1	1	√	
28.	Surgeons stool, fixed height with stump feet and anti-static cushion	2	2	2	3		√
29.	Dissecting Scissor 8"	2	2	3	3	√	
30.	Alies tissue forceps	6	6	10	16		√
31.	Mays scissors Dissecting scissors 8" curved	3	4	6	6		√
32.	Stitch cutting scissors	2	2	3	3	√	

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
33.	Gauge cutting / Bandage cutting scissors 12"	1	1	1	1	√	
34.	Kidney Tray – Small	2	3	4	4		√
35.	Kidney Tray – Large	2	3	4	4	√	
36.	Water Bath (Electric), Medium size	1	1	2	2		√
37.	Sponge Holding forceps	4	4	6	6		√
38.	Kochers Artery forceps – straight	4	4	6	6		√
39.	Kochers Artery forceps – curved	4	4	6	6		√
40.	Tronicat – Adult	2	3	4	4	√	
41.	Tronicat – Child	2	3	4	4	√	
42.	Surgical Drum inch	2	3	4	5	√	
43.	Surgical Drum inch	2	3	4	5	√	
44.	Surgical Down 8 inch	2	3	4	5		
45.	Cats paw Retractor	2	4	6	6		√
46.	Ear speculum	1	1	2	2		√
47.	Nasal speculum – Adult	2	2	2	3		√
48.	Nasal speculum – Child	1	1	2	2		√
49.	Tracheostomy set	1	1	2	2	√	
50.	Female Metallic Catheter	1	1	2	2		√
51.	Tongue depressor	3	4	5	6	√	
52.	Catheter introducer	2	2	4	4	√	
53.	Proctoscope – Adult	1	1	2	3		√
54.	Proctoscope – Child	1	1	2	2		√
55.	Vaginal speculum - Large	2	3	4	4		√
56.	Vaginal speculum – Medium	2	3	4	4	√	
57.	Vaginal speculum – Small	2	2	2	2		√
58.	Stethoscope	2	2	2	4	√	
59.	Thermometer	4	4	6	8		√
60.	Surgical glove					√	
61.	Nebulizer machine	1	1	2	2	√	
62.	Torch	3	3	4	4	√	
63.	View box	1	1	1	1		√
64.	ECG 3 Channel	1	1	1	1	√	
65.	Refrigerator	1	1	1	1	√	

12. DENTAL UNIT

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	Dental unit, Complete with chair, cuspidor, Compressor Operating Lamp, Air turbine drill, Suction Unit, Mayo Table	01	01	02	02	√	
2.	Dental forceps set (Adult)	2	3	4	4	√	
3.	Dental forceps set (baby)	2	3	4	4	√	
4.	Scalator set	2	2	3	4	√	
5.	Mouth mirror	20	20	40	40	√	
6.	Elevator (Straight, Curved, Right, Left)	4	4	8	8	√	
7.	Twister	20	20	40	40	√	
8.	Probe	20	20	40	40	√	
9.	Dental Syringe	4	4	8	8	√	
10.	Needle Hypo Dental Cartridge 0.50X22, box 12	24	24	48	48	√	
11.	Needle Hypo Dental Cartridge 0.50X41, box 12	24	24	48	48	√	
12.	Dental X-Ray Unit	1	1	1	1	√	
13.	Amalgamiser, Dental	2	3	4	4	√	
14.	Autoclave, Instrument, Fast cycle	1	1	2	2	√	
15.	Sterilizer Instrument	1	1	1	1	√	
16.	Tray Instrument	4	4	8	8	√	
17.	Beaker with lip 300ml, stainless steel	2	2	4	4	√	
18.	Jar Dressing with cover	2	2	4	4	√	
19.	Tumbler 200ml					√	
20.	Pot Medicament dental Clear					√	
21.	Pot Medicament dental amber					√	
22.	Pot Medicament dental Green					√	
23.	Slab mixing dental SS white	4	4	8	8	√	
24.	Spatula Dental Cement SSW no 322 SS	4	4	8	8	√	
25.	Ultrascaler	1	1	2	2	√	
26.	Light cure Machine	1	1	1	1	√	
27.	Auto Amalgum Mixture	1	1	1	1	√	
28.	Refrigerator	1	1	1	1	√	

13. Pathology Unit

13.a. Common item

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	Biochemistry Analyzer	1	1	2	2	√	
2.	Colorimeter (Digital) with accessories, cuvettes, filters	1	1	1	1	√	
3.	Blood cell counter			1	2		√
4.	Refrigerator	1	1	2	3	√	
5.	Hot water bath	1	1	2	2	√	
6.	Shaking machine, rotator variable, electric, VDRL tests.	2	2	2	3	√	
7.	Hot air woven	1	1	1	1	√	
8.	Sterilize machine			1	1	√	
9.	Centrifuge machine, electric, dual, 220v, spare bulbs, & battery.	2	2	2	3	√	
10.	Distill water plant	01	01	1	1		√
11.	Voltage stabilizer	4	4	4	5		√
12.	BP machine	1	1	1	2	√	
13.	Stethoscope	1	1	1	2	√	
14.	Blood plasma separating machine	1	1	1	1	√	
15.	Platelet separation machine	1	1	1	1	√	
16.	Microscope binocular mechanical stare, 10x, 40x, 100x	3	3	4	4	√	
17.	microscope, lamp, electric, dual 220v, spare, bulbs & Battery.	6	6	10	10	√	
18.	Incubator	1	1	1	1	√	
19.	Centrifuge, hemato crit electric, 240 vAC	3	3	4	4	√	
20.	Water bath serological, with thermostat.	1	1	1	1	√	
21.	water still, electric, 2 liter/hr	1	1	1	2		√
22.	Beam balance, analytical with weights.	2	2	2	2		√
23.	Incubator, anhydric, 28 liter, 240 VAC	1	1	1	1		√
24.	Hand centrifuge 4 bucket, 15 ml tubes	1	1	1	1		√
25.	Timer clock.	3	3	3	4	√	
26.	Thermometer, laboratory, Celsius, -10 to+110 degree Celsius	2	2	2	2	√	
27.	Thermometer, laboratory, Celsius,-5to+220 degree Celsius	2	2	2	2	√	
28.	Thermometer, room temp monitor, wall mounted.	1	1	1	1	√	
29.	Autoclave, pressure cooker type, 36liter.	1	1	1	1	√	
30.	Primus stove for heating autoclave	1	1	1	1	√	
31.	Haemoglobinometer, sahli	3	3	3	4	√	
32.	ESR apparatus.	3	3	3	4	√	

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
33.	Haemo cytometer set, 2 cell stand, improved neubauer.	3	3	3	4	√	
34.	Specific gravity urinometer with test glass.	2	2	2	3	√	
35.	Counter, WBC differentials, 8 keys, 1	1	1	1			√
36.	Gas analyzer	1	1	1	2	√	
37.	Microtome	1	1	1	1	√	
38.	Sterilizer jar	20	20	20	50	√	
39.	Staining tissue holder	10	10	10	25		√
40.	Air Conditioner	02	02	03	04	√	
41.	Bone marrow aspiration set	1	1	1	2	√	
42.	Knife Sharpener	1	1	2	2	√	
43.	Knife	2	2	3	3	√	
44.	Simple paraffin	1	1	2	2	√	
45.	Disposable blade	100 dz	100 dz	200 dz	200 dz	√	
46.	Tissue flotation bath	1	1	2	2	√	
47.	Incubator	1	1	2	2		√
48.	Coplin Jar	200	200	400	400		√
49.	Manual Staining self (Twenty Slide capacity)	2	2	4	4		√
50.	Slide Rack (Twenty Slide capacity)	2	2	4	4		√
51.	Magnifying Glass	1	1	2	2		√
52.	Table Light	1	1	2	2	√	
53.	Timer (Digital)	1	1	2	2	√	
54.	Digital Arslinometer	-	-	-	1		√
55.	Auto Hormone analyzer		1	1	1		√
56.	Auto analyzer electrolyte		1	1	1	√	
57.	ELISA withy washer & reader		1	1	1	√	
58.	Blood cell counter			1	1		√
13.b. GLASSWARE & CONTAINERS							
3.	Micropipette 0.5 - 50 µL	2	2	2	2	√	
4.	Micropipettes 1.0 -100 µL	2	2	2	2	√	
5.	Micropipette 50 - 500 µL	2	2	2	2	√	
7.	Test tube 4inch-6 inch	100 dz	150 dz	200 dz	250 dz	√	
8.	ESR stand-	50	70	75	150	√	
9.	ESR tube	150	250	200	350	√	
10.	Glass slide	100 bz	200 bz	300bz	350 bz	√	
11.	Sprit lamp					√	
12.	Test tube holder	100	200	250	300	√	
13.	Widal test slide	20	25	25	30	√	
14.	Measuring cylinder 100 ml	20	20	20	20	√	
15.	Measuring cylinder 500ml	10	10	10	10	√	

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
16.	Measuring cylinder 1000ml	10	10	10	10	√	
17.	Test tube rack	24	36	48	72	√	
18.	Tube, capil, hematocrt, 75 mm, non heparinized					√	
19.	Tibe, capil, hematocrit, 75 mm, heparinized					√	
20.	Pipettes, graduated ,serological (set of 12 assorted)	24	24	24	24	√	
21.	Pipettes, volumetric(set of 13 assorted)	24	24	24	24	√	
22.	Pipette, haemocytometer RBC	12	18	18	20	√	
23.	Pipette, haemocytometer WBC	12	18	18	20	√	
24.	Spare counting chamber for haemocytometometer set.	6	6	6	6		√
25.	Cover glass for hemocytometer cell 20x26 mm	20 bz	26 dz	30 dz	40 dz		√
26.	Petri dish, glass, 100 X 15 mm	20 bz	26 dz	30 dz	40 dz		√
27.	Pipette, western	100	150	150	200		√
28.	Tube, glass, centrifuge, graduated, 15ml	100	100	200	300		√
30	Evaporating dish, porcelain, 70ml						√
32.	Glass rod, stirring, (pkt of 24 assorted)	6	6	6	12		√
33.	Flasks, boiling, flat bottom, 250ml	200	250	250	300		√
34.	Flasks, boiling, flat bottom, 500ml	200	250	250	300		√
35.	Funnel, glass, 60ml	200	250	250	300		√
36.	Funnel, glass, 230ml	200	250	250	300		√
39.	Tubes, shali Hb, (spare)	8	12	12	16		√
40.	Pipettes, sahli Hb (spare)	8	12	12	16		√
41.	Dropper bottle, amber glass (50ml)						√
42.	Measures, glass, conical, graduated, assorted sizes	12	14	16	16		√
43.	Beakers, glass (set of 5 assored)	12	14	16	16		√
44.	Specimen container, sputum, 60ml	20 dz	20 dz	30 dz	30 dz		√
45.	Specimen container, universal, 30 ml	20 dz	20 dz	30 dz	30 dz		√
46.	UDTA container, 5 ml	50 dz	100 dz	150 dz	200 dz		√
47.	Microscope cover slip, 22X22 mm	150 dz	200 dz	250 dz	300 dz		√
48.	Microscope slide, glass, 22X75 mm	100 dz	150 dz	200 dz	250 dz		√
49	Bone marrow triphine needle						√
13. c. REFRIGERATION							
1.	Absorption-cycle refrigerator-freezer, 230 liter, electric for pharmacy, Lab, X-ray and OPD clinic	2	2	2	2	√	
2.	Spare parts stock	3	3	3	3	√	
4	Computer with printer	1	1	1	1	√	

14. Radiology Unit

14.a. Common item

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	X-Ray Machine 500ma Analogue	1	1	1		√	
2.	X-Ray Machine 300ma- Analogue	1	1	1	1	√	
3.	X-Ray Machine 500ma Digital				1	√	
4.	Ultra-Sonography Machine	1	1	1	2	√	
5.	Basic Radiological System comprising: BRS stand, Stationary grid, Cassette tray, Light Beam diaphragm, Patient trolley, Protection Screen with lead Glass window. High Power Full Wave rectified generator, delivering 60, 75, 90 and 125KV, and 3-2-32m As in 21 steps	1	1	2	2	√	
6.	X-Ray Film Cassette, 180X240mm	10	10	16	24	√	
7.	X-Ray Film Cassette, 240X300mm	10	10	16	24	√	
8.	X-Ray Film Cassette, 350X430mm	10	10	16	24	√	
9.	Fast tungsten intensifying screens (Matched with film size)	10	10	16	24	√	
10.	Film marker L-R chrome Plated AP	10	10	16	24	√	
11.	Lead-Multi-layer protection apron, 91cm long	4	4	8	12	√	
12.	Lead Rubber protection gloves, medium size	6	8	10	12	√	
13.	X-Ray film processor, manual model with tanks, heater thermometer, and thermostat	1	1	2	2		√
14.	Development hanger	12	12	24	24	√	
15.	Auto processor, Matched to film size	10	10	11	12	√	
16.	Safe light and Filters	4	4	6	6	√	
17.	Timer Clock, 5 minutes	4	4	5	6	√	
18.	Air Conditioning unit, Dark room, wall mounted	4	4	5	6	√	
19.	Thermometer, Room temperature, wall mounted	2	2	3	3	-	√
20.	Drying cabinet, Film, electrically heated	02	03	04	06	-	√
21.	Film hoppers					-	√
22.	X-Ray viewing box, Double	04	06	08	12	-	√
23.	Dehumidifier					-	
24.	Mamogram machine	-	-	01	01	-	√
25.	Spiral CT Scan Machine	-	-	-	01	-	√
26.	Lead Goggles	02	02	04	06	√	
27.	Dental X-ray Unit	01	01	01	01	-	√
28.	Radiation Protective material						
29.	Computer with printer	01	01	01	01	√	

15. DEPARTMENT OF CARDIOLOGY & CCU

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1	Bed side monitor (Wall mounted)	3	3	5	6	√	
2	B.P. machine	5	6	8	10	√	
3	Blood gas analyzer	1	1	1	1	√	
4	Cardiac out put machine	1	1	1	1		√
5	C ARM with image intensifier with TV	1	1	1	1		√
6	Capnograph	1	1	1	1	√	
7	Central monitor (Cardiac)	1	1	1	1		√
8	Coronary angiogram machine	0	1	1	1	√	
9	Defibrillator with monitor	2	3	5	5	√	
10	Diagnostic set	2	2	2	2	√	
11	E.C.G. machine 12 channel with analyzer	1	1	2	2	√	
12	E.C.G. machine 3 channel with analyzer	1	1	2	2	√	
13	E.C.G. machine 6 channel with analyzer	1	1	2	2	√	
14	E.T.T. with E.C.G.	1	1	1	1	√	
15	Echocardiogram with colored Doppler	1	1	1	1	√	
16	Echocardiogram machine 2 D two mode	1	1	1	1	√	
17	Freeze	2	2	2	3	√	
18	Generator for temporary pace maker	2	3	5	5	√	
19	Holter monitor	1	2	3	3		√
20	Infusion pump	3	4	5	6		√
21	I.A.B.P. machine	1	1	1	1	√	
22	Lung ventilator (Adult / Paediatric)	2	3	4	5		√
23	Mobile toilet system	2	3	4	5		√
24	Medicine freeze	2	2	2	3		√
25	Multi-parameter monitor invasive type	1	1	1	1		√
26	Nebulizer	5	6	8	10	√	
27	Portable x-ray machine (50-100mA)	1	1	1	2	√	
28	Pulse oxymeter	1	1	2	2	√	
29	Resuscitator	1	1	2	2	√	
30	Stethoscope	6	7	8	10	√	
31	Sucker machine	3	4	5	6	√	
32	Syringe pump	3	4	5	8	√	
33	View box	5	6	8	10	√	
34	Voltage stabilizer	5	5	8	10	√	
35	Weighing machine	4	4	5	5	√	
36	Specialized Cardiac Bed	3	4	6	6	√	
37	Oximetry Machine	0	1	1	1		√
38.	Emergency Trolley	2	2	3	3	√	
39.	Temporary Pacemaker Lead	5	5	8	10	√	
40.	Ambo Bag	4	4	5	6	√	
41.	Refrigerator	1	1	1		√	

16. DEPARTMENT OF PSYCHIATRY

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1.	E.C.T Machine	0	0	1	1	√	
2.	Re-breathing Bag	1	1	2	2	√	
3.	Video Game Player	0	0	1	1	√	
4.	Color TV	0	0	1	1	√	
5.	EEG			1	1	√	
6.	Refrigerator	1	1	1	1	√	
7.	Computer with printer	1	1	1	1	√	

17. Transfusion Medicine Dept

Sl. No.	Item	Categories of bed				Essential & necessary	Necessary but not essential
		100 bed	150 bed	200 bed	250 bed		
1	Blood bag Refrigerator cold room, freezer containing transfusion	2	2	3	3	√	
2	Laboratory Refrigerator, Laboratory Freezer, incubator water baths	1	2	3	4	√	
3	Blood bag centrifuge	2	2	2	3	√	
4	Table centrifuge	2	2	2	3	√	
5	Anti globulin washer	1	1	1	2		√
6	Antiglobulin test automatic washer	1	1	1	2		√
7	Hemoglobin photometer	1	1	1	2	√	
8	Cell counters	0	0	0	1		√
9	Automatic pipette	6	6	8	10		√
10	balance	1	1	1	2	√	
11	PH meter	1	1	2	2	√	
12	Platelet agitator	1	1	2	2		√
13	Laminar flow blood and sterile area filters	1	1	1	2	√	
14	Blood mixer	2	2	2	3		√
15	Spring balance for bag	1	1	2	2		√
16	Blood bag tube sealer and sterile connecting device	2	2	2	3	√	
17	Blood transport container	1	1	2	2	√	
18	Cell separator	1	1	2	2		√
19	Deep freezer (RBC)	1	1	2	2	√	
20	Deep freezer (Plasma)	1	1	2	2	√	
21	Microscope	1	1	2	2	√	
22	Thawing bath	1	1	2	2	√	
23	Plasma expresser	1	1	2	4	√	
24	Analyzer	1	1	2	2	√	
25	ELISA	0	0	1	1		√
26	VDRL shaker	1	1	2	2	√	
27	Autoclave	1	1	2	2	√	
28	O2 cylinder	1	2	2	3	√	
29	Stethoscope, BP machine	2	2	3	3	√	
30	Computer with printer	1	1	1	2	√	
31	Air-condition	2	2	2	3	√	

18. Others

Sl. No.	Item	Categories of bed				Remarks
		100 bed	150 bed	200 bed	250 bed	
1	Ambulance	02	02	03	05	
2	Autoclave	01- Medium 01- Small- 60 l	01 Medium- 02- Small	01 Medium- 02- Small	01- Large 01- medium 02- Small	
3	Generator	100 KVA = 01 (Diesel)	100 KVA = 01 (Diesel)	250 KVA = 01 (Diesel)	300 KVA = 01 (Diesel)	
4	Office equipment	Computer-08 Photocopier-01 Printer-05 Fax-01	Computer-08 Photocopier-01 Printer-05 Fax-01	Computer-08 Photocopier- 01 Printer-05 Fax-01	Computer-12 Photocopier-02 Printer-08 Fax-01	
5	Jeep	01	01	01	01	
6	Pick up	01	01	01	01	
7	Mortuary (06 body)	1	1	1	1	
8	Post Mortem apparatus set	1	1	1	1	Annex-18.A
9	MWM logistics					Annex 18.B
10	Air conditioner Split type	2	2	2	2	for each OT
11	Refrigerator	1	1	1	1	for each OT

Annex 18.A (Post Mortem Instruments)

Sl. No.	Item	Categories of bed				Remarks
		100 bed	150 bed	200 bed	250 bed	
	Abdominal retractor- Right angle			4		For all category of hospitals
	Bone cutting forcep			4		
	Abdominal retractor			4		
	Cartilage knief			4		
	Chizel			4		
	Cutting needle-Curved-3" (Dozen)			6		
	Cutting needle-Straigh-3" (Dozen)			6		
	Dissecting knif			4		
	Electric saw			2		
	Ellis Tissue Forcep-10" long			12		
	Ellis Tissue Forcep-8" long			12		
	Forcep, Artery -Curved-10"-long			6		
	Forcep, Artery -Curved-8"-long			6		
	Forcep, Artery -Straight-10"-long			6		
	Forcep, Artery -Straight-8"-long			6		
	Forcep, Dissecting, Plain-10" long			6		
	Forcep, Dissecting, Plain-8" long			6		
	Forcep, Dissecting, Tooth-6" long			6		
	Forcep, Dissecting, Tooth-8" long			6		
	Gum boot- Standered size (Pair)			6		

Sl. No.	Item	Categories of bed				Remarks
		100 bed	150 bed	200 bed	250 bed	
	Hose Pipe - Handi size		2			
	Hot water bath		2			
	Intestinal scissor		3			
	Large amputation knief		3			
	Lifter with jar		3			
	Magnifying Glass with handle		3			
	Manual Bone Cutting Saw		2			
	Mechentose-Standard size		3			
	Metalic probe- different size		6			
	Musk with Cap		12			
	Myos scissor		3			
	Needle- Cutting-3" staight (Dozon)		6			
	Needle- Cutting-3" Curved (Dozon)		6			
	Needle holder - 10" Long		6			
	Needle holder - 8" Long		6			
	Portable Generator for postmortem room		1			
	Portable Spot Light (Rechargeable)		1			
	Post mortem table-2 (Stainless steel)		1			
	Rubber gown / Mackintosh		6			
	S. S-Brain Holding Tray		2			
	S.S- Gully pot		6			
	S.S- Hammer		3			
	S.S- Kidney dish - different size		9			
	S.S- Revoulving Tool		2			
	S.S- Sciessor		6			
	S.S- Sciessor		6			
	S.S- Sciessor		6			
	S.S- Sciessor		6			
	S.S- Tray-10"X10" with cover		3			
	S.S- Tray-12"X10" with cover		3			
	S.S- Tray-12"X18" with cover		3			
	S.S.- Instrument Cabinet		2			
	Scalpel -4 No		6			
	Self retaining abdominal retractor		2			
	Steel Almirah		1			
	Stracher cum trolly		2			
	Swab holder fofcep 12"		3			
	Torch Light -(rechargable)		2			
	Towel Clip-Curved		6			
	Towel Clip-Straight		6			
	Veginal Speculam -Normal		3			
	Veginal Speculam -Salf retaining		2			
	X-Ray View Box (Single & Double)		2			