

## Rajasthan Medical Services Corporation

Gandhi Block, Swasthya Bhawan, C-Scheme, Jaipur

Phone No.: 0141-2223887, Fax No.: 0141-2228065

e-mail.: [edepmrmisc-rj@nic.in](mailto:edepmrmisc-rj@nic.in)

No. F-8( )RMSC/EPM/Sr.M/2012/ 256

dated : 04-01-2013

All Principals and Controllers of Medical College and  
All Superintendents of Attached Hospitals  
Director, PH/RCH/AIDS/HA/MSU/ESI/IEC  
Joint Directors, Department of Medical & Health, All Zone  
All C.M. & H.O. District's  
All P.M.O.'s

### Sub: Submission of annual demand of medical equipments for the year 2013-14.

State Government has created RMSC to procure medicines and equipments for Department of Medical Health and Family Welfare, Medical Education, Ayurveda, ESI and Medical Relief Society etc. The State Level Technical Advisory Committee (TAC) in its meeting dated 21.12.2012 has approved the essential equipment (and instruments) list (EEL) enclosed as **Annexure-A**. The EEL comprises of almost all the important bio-medical equipments and instruments. The speciality wise list of equipments is compiled and grouped in two categories :-

Group - A include those equipments which require annual maintenance and repair.

Group - B include those instrument that do not require maintenance services.

The essential equipment list (EEL) of medical equipments and instruments for centralized purchase is also approved by Board of Directors of RMSC in meeting dated 21.12.2012. EEL equipment and instruments shall be procured through RMSC by executing rate contracts and concerned departments are required to submit their likely annual demands to RMSC in prescribed format. The speciality wise details of approved EEL is available on website [www.rmssc.nic.in](http://www.rmssc.nic.in)

Normally, RMSC will not purchase equipments beyond EEL. Other than EEL/EDL items are required to be purchased by the respective department according to their needs and budgetary provisions. The following purchasing levels have been approved by the board for different categories of items:-

1. RMSC will centrally purchase Equipment and Instruments which are included in EEL and drug and medicines which are included in EDL and other items resolved by Board of Directors or as directed by the State Government.
2. The items which are available on DGS & D rate contract may be purchased by the respective departments if the rate contract item matches the specification requirements. However, RMSC may also purchase item of DGS & D rate contract for its own requirement.
3. Other than EDL/EEL item are decentralized for making purchases by the respective departments in accordance with their budgetary provision and requirements.

The Board of Director of RMSC has approved the purchase policy and procedure for equipment and instrument procurement as enclosed **Annexure-B**.



The annual demand of essential equipments and instruments for all the institutions under the control of CM&HO shall be compiled district wise and then be submitted to Director (PH). PMOs are expected to submit their requirements of various equipments separately to Director (PH). In turn, Director (PH) will compile, verify and validate demands for all institutions and will submit it in hard and soft copy to RMSC by 30th January, 2013. Similarly, all the Principals of Medical Colleges and Superintendent of their attached hospitals shall submit their demands to OSD, Medical Education for verification & validation and forward submission to RMSC by 30th Jan. 2013. So that RMSC can execute the rate contract for these items. All the concerned departments are required to submit their annual demands for the year 2013-14 in prescribed equipment demand format **Annexure-C**. The demands shall be verified and validated by the concerned HOD's.

Further detail may also be inquired from EPM -Cell of RMSC or queries may be e-mailed at **edepmrmsc-rj@nic.in**.

**Enclosed :-**

1. The Essential Equipment List - **Annexure-A**.
2. The purchase policy and procedure for equipment Procurement - **Annexure-B**.
3. Equipment demand format - **Annexure-C**.

(Deepak Upreti)  
Principal Secretary,  
Medical Health & Family Welfare &  
Chairman, RMSC

**Copy to :**

1. PS to Hon'ble Health Minister, Govt. of Rajasthan.
2. PS to Pr. Secretary (Ayurved).
3. PS to Pr. Secretary (Medical Education).
4. PS to Pr. Secretary (Medical, Health & Family Welfare).
5. PS to Special Secretary, Finance (Exp.).
6. PS to MD, NRHM.
7. PA to MD, RMSC.
8. Director, Information Education Bureau (IEC).
9. OSD, Department of Medical Education.
10. FA, DM & HS/Director (F), NRHM.
11. Drugs Controller, Rajasthan
12. ED (P/F/EPM/L/QC)/OSD.
13. Guard File.

(Dr.Samit Sharma)

MD, RMSC

## Annexure-A

**Speciality wise classification of Equipment and Instrument**

<b>Sr. No.</b>	<b>Code No.</b>	<b>Sec.</b>	<b>Specialty</b>	<b>No. of Item</b>
1.	GSI	A	List of Essential General Surgery Instruments	65
2.	GYN	B	Gynaecological Equipment & Instrument	53
3.	AOT	C	Anaesthetic and Operation Theatre Equipment & Instrument	66
4.	OPE	D	Orthopaedic & Physiotherapy Equipment & Instrument	44
5.	OEI	E	Ophthalmology Equipment & Instrument	130
6.	DEI	F	Dental Equipment & Instrument	61
7.	CVS	G	Cardio Vascular Surgery Equipment & Instrument	32
8.	LEA	H	Laboratory Equipment & Instrument	52
9.	RXY	I	Radiology X-RAYS and Accessories and film Developer etc	30
10.	HFS	J	Hospital Furniture and other Hospital Supplies	44
11.	FWP	K	Family welfare and planning instruments	13
12.	ENT	L	ENT Equipment & Instrument	78
13.	GIS	M	General Items & Hospital Supplies	21
			<b>Total</b>	<b>689</b>

**Note:**

1. The above section wise list of essential equipments and instruments is prepared and catalogued/coded based on past experience of purchase requirement of Medical Institutions.
2. The equipments of Group-A require annual maintenance & repair services and the group-B instruments do not require annual maintenance.
3. The Deletion or Addition of items may be suggested from the catalogued items.
4. The demands shall be submitted with code number of items.
5. The firm should have its own manufacturing plant and should have its own quality control and research laboratory.
6. The equipment should be US FDA/ISO 9001-2008/E-CE certified with certificate no. etc.
7. After installation the firm should provide detail technical, manual and facility for interfacing with E-Parikshan software (DICOM compatibility with serial/USB port for online reporting & data storage etc.)
8. The manufacturer should have service engineer locally based in zonal head quarter of Rajasthan.
9. The list of engineer working in Rajasthan with their appointment proof and contact no. and address should be provided.
10. The equipment should be pest proof.
11. Bidder should submit original literature/broacher of Quoted Model, Technical compliance detail & should clearly demonstrate having any deviation between technical specifications & broacher/literature of the quoted model.

**A. List of Essential General Surgery and other hospital supplies**  
**Section –A, Code no. – GSI**

<b>Sr. No.</b>	<b>Code No.</b>	<b>Name of the item with full specification</b>	<b>Packing unit</b>
	<b>GSI</b>	<b>Group-A Equipments</b>	
1	GSI 001	Intermittent Pneumatic Compression system as a Mechanical Prophylaxis for DVT & PE	Each
2	GSI 002	Vessel Sealing System With Bipolar Plasma Resection	Each
3	GSI 003	Operating Laparoscope Set With Co2 Insufflator & Cold Light Source	Each
		<b>Group-B Equipments</b>	
4	GSI 011	Artery forceps criles curved on flat box joint 5", 6", 7", 8", 12" & 15"	15 each
5	GSI 012	Artery forceps kocher's curved on flat box joint 160mm and 200mm	15 each
6	GSI 013	Dissecting Forceps, Toothed Size- 10, 12, 15 & 18cms.	5 each
7	GSI 014	Non Tooth Cushing pattern size 5", 6", 7" & 8".	5 each
8	GSI 015	Rectal Grasping & Biopsy Forceps	2
9	GSI 016	Anal Retractors Self Retaining	2
10	GSI 017	Lloyd danis Rectal Clamp	2
11	GSI 018	Sponge Holding forceps foerster's Pattern 6", 8" & 10".	5 each
12	GSI 019	Sterilizer Forceps Cheatle's Pattern 10"	2
13	GSI 020	Allis Tissue Holding Forceps Size 12, 15, 19,20,25cms.	10 each
14	GSI 021	Babcook's Tissue Holding Forceps size 16, 18,20,24cms	2 each
15	GSI 022	Gall Stone Forceps Desjardine's Pattern Size 21, 23 cms.	1 each
16	GSI 023	Spence well's pattern Straight/Curved size ,15.5 , 18 & 20cms.	5 each
17	GSI 024	Kochar's Pattern Straight/Curved size : 16,20 & 26	5 each
18	GSI 025	Halsted's Pattern Mosquito Straight/Curved Size 4" & 5"	5 each
19	GSI 026	Robert's Pattern artery forceps size 22cms.	5 each
20	GSI 027	Bulldog's Vascular clamps- Straight/Curved size: 7.5, 8.5,10cms.	2 each
21	GSI 028	Cystotechotomy forceps bile duct dilators Set of 9, 6" & 8"	1 each
22	GSI 029	Self Retaining Mouth Gauge with Tongue Blades	1 each
23	GSI 030	Pyelolethotomy forceps	1 each
24	GSI 031	Sinus forceps LISTER's Straight box joint 6" (15.24cms)	2
25	GSI 032	Sterilizer forceps for bowls etc HARRISON with bow handle screw joint 16' (40.64 cms).	1 each
26	GSI 033	<i>Setensky's Vascular Clamp</i>	2
27	GSI 034	Needle Holder Hegar's Pattern 5",6",7",8" & 9"	5 each
28	GSI 035	Scissors straight with blunt point 5" (12.70cms), 6", 7", 8", 10" S.S	5each
29	GSI 036	Scissors (Tailor) for cutting gauze & Bandage.	2
30	GSI 037	Scissors smiths Pattern S.S Size : 16,18,20 & 23	1 each
31	GSI 038	Scissors Listser Pattern S.S. Size : 18 cms	2
32	GSI 039	Scissors Dissecting curved on flat pattern S.S. 5"	2
33	GSI 040	Scissors curved on Flat S.S 6"	2
34	GSI 041	Dissecting Mayo's Pattern straight/Curved S.S. Size :15,18,&20 cm.	2 each
35	GSI 042	Dissecting Metzbaum's Straight/Curved S.S Size : 14.5,15,16,21 cm.	5 each
36	GSI 043	Bard Parker Pattern Handle S.S No. 3,4,7	5 each
37	GSI 044	Bard Parker Pattern Blade : Size 10, 11,,15,20,21,22,23,& 24 ISI Marked IS No. 3319- 1995 and amended up to date	50 each
38	GSI 045	Skin Grafting Knife Handle with Blade S.S size 30cms. (Hamfe's )	1
39	GSI 046	Bougles Lister & cluton's Pattern Dilators method Set of 12 & 15	1 each
40	GSI 047	Introducer for catheters size 46cms.	1
41	GSI 048	Anal dilators N0 1 to 5	2
42	GSI 049	Mallealde (Fistula) Probe	5

43	GSI 050	Proctoscope Adult, Child & Infant	1 for adult
44	GSI 051	Skin Retractor right angle - small, medium & large	5 each
45	GSI 052	Devers Pattern Retractor with Blade size 18cmx19mm, 21.5cms x 22mm, 30cm x 25mm, 33cm. X 25mm, 35cm x 38mm	2 each
46	GSI 053	Retractor Balfour's self retaining with adjustable counter blade S.S.	2
47	GSI 054	Kelly's Retractor	2
48	GSI 055	Morris Retractor	2
49	GSI 056	S. Retractors	2
50	GSI 057	Malleable Retractor Curved	2
51	GSI 058	Intestinal clamps- Crushing :- Straight & Curved, Size : 5", 6.5", 8", 9" & 10"	2 each
52	GSI 059	Intestinal clamps Non- Crushing :- Straight Size : Size : 5", 6.5", 8", 9" & 10" & Curved	2 each
53	GSI 060	Clamp Kochers Pattern Straigh & Curved Size: 22,25 & 28cms.	2 each
54	GSI 061	Mayo's Towel Clip 5" & 6"	10 each
55	GSI 062	Punch Biopsy Forcep 7".	2
56	GSI 063	Cryo Surgical Unit with Hemorrhoid General Purpose Probe round and Double side Flat	1
57	GSI 064	Adult & Child Tongue depressor S.S	2 each
58	GSI 065	Tongue holding forceps 165mm	2
59	GSI 066	Skin staplers (Stainless Steel ) of various sizes:	100
60	GSI 067	Formalin Chamber 20" (Three Tray)	2
61	GSI 068	LAPAROTOMY SET	1
62	GSI 069	G I Stapler Straight & Circular Linear stapler varius sizes- 30,45,60mm-	10
63	GSI 070	Leparoscopic Mesh Fixation device (Tacker)	20
64	GSI 071	Laparoscopic Linear cutter 30, 45, 60mm-	10 each
65	GSI 072	Laparoscopic Linear cutter Cartridge-	100

**B. List of Essential Equipments & Instruments for Gynaecology**  
**Section –B, Code no. – GYN**

Sr. No.	Code No.	Name of the item with full specification	Packing unit
	<b>GYN</b>	<b>Group-A Equipments</b>	
1	GYN001	Foot Operated Suction Machine with vertical Heavy Pump	2 each
2	GYN 002	Instrument Sterilizer Cryo Surgical Unit	2 each 2 each
3	GYN 003	Obstetric Lab our Table Telescopic (Fixed Height) with Mattresses	2 each
4	GYN 004	Heat Warmer LED/Halogen type :	2 each
5	GYN 005	Phototherapy source unit with infant care trolley :	2 each
6	GYN 006	Foetal Monitor Continuous monitoring of FHR, Toco and Maternally	2 each
7	GYN 007	Ultrasonic Foetal Heart Monitor transducer. Handy and attractive Cabinet	2 each
8	GYN 008	Ultrasonic Foetal Heart Monitor display of FHR for continuous monitoring	2 each
9	GYN 009	Single Puncture Laparoscope for Laparoscopic Sterilization with CO2 Insufflators and Cold Light Source	2 each
10	GYN 010	Electro Surgical Unit 250 Watt	2 each
11	GYN 011	Haemoglobin meter:	2 each
12	GYN 012	MVA syringe with accessories.	2 each
13	GYN 013	Electro Surgical Unit 100 Watt	2 each
14	GYN 014	Argon Plasma Coagulator	2 each
15	GYN 015	Colpo-Micro Hysteroscope	1
16	GYN 016	Laparoscope set for Training with C O2 Insufflators	1
17	GYN 017	Ultrasonic Cutting and Coagulating Device for Open & Laparoscopic Surgery	1
18	GYN 018	MTP Suction apparatus electrically operated	2 each

19	GYN 019	Suction apparatus double bottle manually operated	2 each
		<b>Group-B Equipments</b>	
20	GYN 031	Uterine Curettes Sims sharp & Blunt S.S. 10½ (26.25 cm.) size- 6mm, 8mm, 9mm, & 11mm.	2 each
21	GYN 032	Vaginal speculum, Cusco Pattern solid blades and folding handles and chromium Plated Large, Medium, Small.	2 each
22	GYN 033	Uterine Sims speculum double Blade, ``Duck bill 1/8", 1.5/16" Large	2 each
23	GYN 034	Uterine Sims speculum double Blade medium	2 each
24	GYN 035	Uterine Depressor Sims 27cms & 33cms.	2 each
25	GYN 036	Uterine Dilator Hager's set of 13 from 2mm to 13mm in heavy in weight	2 each
26	GYN 037	Uterine Dilator Hager's double ended set of 8heavy weight	2 each
27	GYN 038	Episiotomy Scissor.	2 each
28	GYN 039	Vallsellum Forceps 9" & 10"	2 each
29	GYN 040	Vento use (Vacuum Extractor) Silicon Small, Medium & Large	2 each
30	GYN 041	Perforator	2 each
31	GYN 042	Decapitation Hook 325 mm.	2 each
32	GYN 043	Uterine Clamps	2 each
33	GYN 044	Craniotomy Forceps.	2 each
34	GYN 045	Green Army age Forceps 8" & 9"	2 each
35	GYN 046	Chital Forceps Jar S.S. Grade 304/18/8 Size 5" & 7"	2 each
36	GYN 047	Endometrial Uterine Biopsy curette.	2 each
37	GYN 048	Cervical Biopsy Punch forceps medium size	2 each
38	GYN 049	D&C Set	2 each
39	GYN 050	MTP Suction cannulas Plastic Disposable Size : 6,8,10,12 Nos.	2 each
40	GYN 051	Catheter Rubber 16 No.	2 each
41	GYN 052	Instruments of LSCS sets	2 each
42	GYN 053	Curette, Endometrial Biopsy, Suction Type.	2 each
43	GYN 054	Hysterical pingography Leich Wilkinson Cannula, Intra- uterine	2 each
44	GYN 055	Menstrual regulation syringe	2 each
45	GYN 056	Catheters Metal Female	2 each
46	GYN 057	Bladder sound.	2 each
47	GYN 058	Delivery Set	2 each
48	GYN 059	Umbilical cord clamps Disposable	2 each
49	GYN 060	Plastic Aprons	2 each
50	GYN 061	SS Steel bucket	2 each
51	GYN 062	Basin steel 36cm. With stand and wheels	2 each
52	GYN 063	Oxygen hood	2 each
53	GYN064	Aseptic labour and neonate kit	--

**C. List of Essential Equipment Anaesthetic and Operation Theatre  
Section-C, Code no. – AOT**

Sr. No.	Code No.	Name of the item with full specification	Packing unit
	AOT	<b>Group-A Equipment</b>	
1	AOT001	Non Hydraulic Operation Table	Each
2	AOT002	Hydraulic Operation Table ISI Marked	Each
3	AOT003	Portable Monitor High resolution glare-free Screen Size	Each
4	AOT 004	Pulse Oximeter	Each
5	AOT 005	Syringe Infusion Pump	Each
6	AOT 006	O.T. Light Single Dome	Each
7	AOT 007	O.T. Light Double Dome	Each
8	AOT 008	Spot Light	Each
9	AOT 009	Multi Para Monitor	Each

10	AOT 010	Vertical autoclave single drum	Each
11	AOT 011	Vertical autoclave double drum	Each
12	AOT 012	Cardiac Monitor With Defibrillator	Each
13	AOT 013	Electro Surgical Unit 400 Watt	Each
14	AOT 014	Anaesthesia Machine ISI Marked, IS : 11378: 2002 and amended up to date.	Each
15	AOT 015	Ultra-Sonic Cleaner System	Each
16	AOT 016	Oxygen regulator	Each
17	AOT 017	Bulk conversion unit for oxygen	Each
18	AOT 018	Bulk conversion unit for nitrous oxide	Each
19	AOT 019	Temperature, Pressure & Flow compensated anaesthesia vaporizer Halothane/ Isoflurane. (Quote Separate Rates for HALOTHANE/ ISOFLURANE Vaporizer )	Each
20	AOT 020	Medical Oxygen Cylinder with valve 20CFT ISI Marked IS No. 7285-1988 and amended up to date/ <b>ISO 9809</b> (A- Type Medical Oxygen Cylinder ISI Marked) :	Each
21	AOT 021	Medical Oxygen Cylinder with valve 40CFT ISI Marked IS No. 7285-1988 and amended up to date / <b>ISO 9809</b> (B-type Medical Oxygen Cylinder ISI Marked)	Each
22	AOT 022	Medical Oxygen Cylinder with valve 220CFT ISI Marked IS No. 7285-1988 and amended up to date/ <b>ISO 9809</b> (Big Size Medical Oxygen Cylinder ISI Marked)	Each
23	AOT 023	Nitrous Oxide Cylinder with valve 5Ltr. Water capacity ISI Marked IS No. 7285-1988 and amended up to date/ <b>ISO 9809</b> (A-type Nitrous Oxide Cylinder ISI Marked)	Each
24	AOT 024	Nitrous Oxide Cylinder with valve 10.2Ltr. Water capacity ISI Marked IS No. 7285-1988 and amended up to date/ <b>ISO 9809</b> (B-type Nitrous Oxide Cylinder ISI Marked )	Each
25	AOT 025	Nitrous Oxide Cylinder with valve 46.7Ltr. Water capacity ISI Marked IS No. 7285-1988 and amended up to date/ <b>ISO 9809</b> (D-type Nitrous Oxide Cylinder ISI Marked )	Each
26	AOT 026	USG machine for Nerve Blocks	Each
27	AOT 027	Fiberoptic Laryngoscope (closed suction system)	Each
28	AOT 028	Peripheral Nerve Stimulator with mapping pen	Each
29	AOT 029	Neuro Muscular Block Monitor	Each
		<b>Group-B Equipment</b>	
30	AOT 041	Adult laryngoscope with handle and blade (Mackintosh type) S.S. Size : 1,2,3 & 4	Each
31	AOT 042	Paed. laryngoscope with handle and blade (Miller type) S.S. Size: 0 & 1	Each
32	AOT 043	Laryngoscope blade S.S. size : 0 to 5	Each
33	AOT 044	Endo tracheal Tube Disposable Size Plain 2 to 10 Size Cuffed 3 to 10	Each
34	AOT 045	Anaesthesia Face Mask antistatic rubber size 2,3,4 & 5	Each
35	AOT 046	Face Mask PVC transparent Size Adult & Paediatric.	Each
36	AOT 047	Rebreathing reservoir Bag Antistatic rubber. Size 0.5L, 1L, 1.5L & 2 Litres.	Each
37	AOT 048	High pressure antistatic pressure tubing conforming to ISO colour coding White (O2) & Blue (N2O)	Each
38	AOT 049	Tracheostomy tube Plain all sizes	Each
39	AOT 050	Tracheostomy tube Cuff all sizes	Each
40	AOT 051	Epidural needle, (Touchy) Size: 16 & 18	Each
41	AOT 052	Adult silicon Resuscitator	Each
42	AOT 053	Child silicon Resuscitator	Each
43	AOT 054	Infant silicon Resuscitator	Each
44	AOT 055	Adult Bain Circuit Complete	Each
45	AOT 056	Paediatric Jackson Rees Modified T-piece Circuit	Each

46	AOT 057	Magill Circuit Complete	Each
47	AOT 058	Magill Forceps	Each
48	AOT 059	Circle Absorber Capacity (1800 Gm.) double chamber	Each
49	AOT 060	Chrome Plating Cylinder Key For A type Cylinder For B & D type Cylinder 4 in one	Each
50	AOT 061	Laryngeal Mask Airway	Each
51	AOT 062	Incubating Laryngeal Mask Airway	Each
52	AOT 063	Visualizing Airway	Each
53	AOT 064	Flexible Airway	Each
54	AOT 065	Airway with Drain tube	Each
55	AOT 066	Stelette for endo tracheal tubes set of three.	Each
56	AOT 067	Percutaneous Tracheostomy Set	Each
57	AOT 068	Epidural Set (with catheter)	Each
58	AOT 069	Epidural kit- disposable	Each
59	AOT 070	Pediatric Epidural kit- disposable	Each
60	AOT 071	Pediatric spinal needle nos 25 & 27 – disposable	Each
61	AOT 072	Pediatric patient warming blankets & suit	Each
62	AOT 073	Pediatric LMA classic & proseal	Each
63	AOT 074	I gel-airway-all sizes	Each
64	AOT 075	Insulated needles for peripheral nerve stimulators	Each
65	AOT 076	Sequential pneumatic compressions device for DVT mechanical prophylaxis	Each
66	AOT 077	Emergency First Aid Kit	---

**D. List of Essential Equipment Orthopaedic & Physiotherapy**  
**Section D, Code no. - OPE**

Sr. No.	Code No.	Name of the item with full specification	Packing unit
	<b>OPE</b>	<b>Group-A Equipments</b>	
1	OPE001	C-arm with Orthopaedic Table	Each
2	OPE002	Battery Operated Bone Drill	20 sets
3	OPE003	Electronic Pneumatic Tourniquet	10 sets
		<b>Group-B Equipments</b>	
4	OPE 012	Smith - Peterson Osteotome Straight Size: 1/4", 1/2", 3/4", 1", 1 1/4"	10 Each
5	OPE 013	Hibbs chisels- Straight size : 1/4", 1/2", 3/4", 1", 1 1/4"	1Each
6	OPE 014	Smith - Peterson Gouges- Size:3/8", 5/8"	5 Each
7	OPE 015	Hibbs- Gouges size: 1/4", 3/4", 1/2", 1", 1 1/2"	5 Each
8	OPE 016	Cobb Curette 00, 1,2,3,4,5,&6	20 Each
9	OPE 017	Plaster Scissors Bohler's 10 1/4" S.S. Saw.	6
10	OPE 018	SPICA / FRACTURE table : SS with cushion (detachable)	2
11	OPE 019	Table Operation Orthopaedic	6
		General Instruments Sets for Orthopaedic Surgery	
	(1)	S/C Bone Holding Forceps 150MM-2	5 Set
	(2)	S/C Bone Holding Forceps 190MM-2	5 Set
	(3)	S/C Bone Holding Forceps 240MM-2	5 Set
	(4)	Patella Forceps 175MM - 1	10 Set
	(5)	Reduction Forceps Serr. 140MM-2	5 Pair

	(6)	Reduction Forceps Serr. 180MM-2	5 Pair
	(7)	Reduction Forceps Serr. 240MM-2	5 Pair
	(8)	Reduction Forceps Pointed 140MM-1	5 Pair
	(9)	Reduction Forceps Pointed 180MM-1	5 Pair
	(10)	Reduction Forceps Pointed 210MM-1	5 Pair
	(11)	Bone Nibbler D/A 190MM STR./CVD.-2	5 Pair
	(12)	Bone Nibbler D/A 225MM STR./CVD.-2	5 Each
	(13)	Bone Cutting Forceps 190MM STR./CV2	5 Each
	(14)	Gigli Saw Wire-5	20
	(15)	Gigli Saw Introducer-1	3
	(16)	Gigli Saw Handle-1	3 Pair
	(17)	Periosteum Elevator with Fibre Handle (Diff. Sizes)-5	20
	(18)	Osteotome STR. SS Handle (5,10,15,20,25mm) (1 Each)-5	5 Each
	(19)	Osteotome STR.SS Handle (5,10,15,20,25mm) (1 Each)-5	2 Each
	(20)	Gouge STR SS Handle (5,10,15,20,25mm) (1Each)-5	2 Each
	(21)	Gouge CVD S.S. Handle (5,10,15,20,25mm) (1 Each)-5	2 Each
	(22)	Kocher Bone Hook Small/ Medium/ Large (1 Each)-3	3 Each
	(23)	Volkman Curette D/E S/M/L (1 Each)-1	5 Each
	(24)	Lane's Bone Lever Medium/ Large (1 Each)-2	2 Pair
	(25)	Skin Hook one prong-2	3 Pair
	(26)	Self Retaining Retractor Medium-2	5 Pair
	(27)	Hofmann's Retractor (Diff. Sizes) 2 Each-8	10 Each
	(28)	Plate Bender Pair Large-1	2 Pair
	(29)	Universal Bone Drill with Chuck & key-1	5
	(30)	Hammer with fibre handle 225 Gms.-1	10
	(31)	Hammer with fibre handle 450 Gms.-1	10
	(32)	Esmarch Tourniquet 3"-2	20
	(33)	Esmarch Tourniquet 4"-2	20
	(34)	Esmarch Tourniquet 6"-2	20
	(35)	Small Bending Iron (Pair)-1	2 Pair
	(36)	Plate Bending Press-1	2
12	OPE020	K Wire & Steinman Pin Instrument Set	20 Set
	(1)	Wire Cutter cum Piler-1	
	(2)	Nose Piler cum Wire Bender-1	
	(3)	Wire Holding Forcep-1	
	(4)	Wire Tightner-1	
	(5)	T' Handle with chuck-1	
	(6)	Tip Wire Cutter-1	
	(7)	Implants	
	(8)	K. Wires 1.0,1.5,2.0,2.5mm (10 each)-40	
	(9)	Circle age Wire 1.0mm, 1.2mm (5 each)-10	
	(10)	Steinman pin 3.5,4.5mm (5 each)-10	
13	OPE021	Plaster Cutting Instruments set	3 Set
	(1)	Lorenz plaster Shears-1	
	(2)	Plaster Cast Spreader-1	
	(3)	Plaster Knife-1	
	(4)	Plaster Saw With Allum. Handle-1	
	(5)	Plaster Cutting Scissors-1	
	(6)	Plaster Bender Small 7"	
	(7)	Plaster Bender Big 10 1/2"- 1	
	(8)	Plaster Cutting Saw- Electric - 1	
14	OPE022	Instruments for Femoral Head	5 Set
	(1)	Austin Moore Rasp-1	
	(2)	Rasp for Bipolar Prosthesis- 1	
	(3)	Hollow Chisel- 1	
	(4)	Impactor, Nylon Faced-1	
	(5)	Extractor with Two Hooks- 1	
	(6)	Murphy Skid - 1	

	(7)	Spare Hook for Extractor- 1	
	(8)	Judet Extractor- 1	
	(9)	Measuring Gauge for Prosthesis - 1	
	(10)	A.M. Prosthesis (Sterile) 37mm to 47mm (1 Each) - 6	
	(11)	A.M. Prosthesis (Sterile) 49mm to 55mm (1 Each) - 4	
	(12)	Bipolar Prosthesis (Sterile) 39mm to 47mm (1Each)- 5	
	(13)	Bipolar Prosthesis (Sterile) 49mm to 53mm (1Each)- 3	
15	OPE023	Small Fragment Instrument Set	8 Set
	(1)	Container- 1	
	(2)	Drill Bit Q.C. 2.5mm- 2	
	(3)	Drill Bit Q.C. 3.5mm -2	
	(4)	Small Countersink, Tip 2.0mm -1	
	(5)	Tap Q.C. - 3.5mm x 1.25mm -2	
	(6)	Tap Q.C. - 3.5mm x 1.5mm- 2	
	(7)	T' Handle Q.C.- 1	
	(8)	Double Drill Sleeve 3.5mm/2.5mm- 1	
	(9)	Drill Guide & Drill Sleeve (2mm)- 1	
	(10)	Tap Sleeve/ Drill Sleeve 3.5mm/ 2.7mm-1	
	(11)	DCP Load & Neutral Drill Guide 2.5mm (For 3.5mm Screws)- 1	
	(12)	Hex Screwdriver with fibre handle 2.5A/F- 1	
	(13)	Hex Screwdriver Q.C. 2.5A/F- 1	
	(14)	Depth Gauge for Small Screws Stainless Steel- 1	
	(15)	Sharp Hooks- 1	
	(16)	Screw Forceps-1	
	(17)	Bending Iron For Small Plates- 1	
	(18)	Bending Iron For Small Plates- 1	
	(19)	Bending Iron for Finger Plates -1	
	(20)	Template for contouring plates Small DCP/LCDCP - 5H x 63mm - 1	
	(21)	Template for contouring plates Small DCP/LCDCP - 7H x 87mm - 1	
	(22)	Self Centering Bone Holding Forceps for Small Fragment 190mm- 1	
	(23)	Reduction Forceps with Point 130mm	
	(24)	Reduction Forceps extra Small 140mm - 1	
	(25)	Retractor Short Narrow Tip, Small, Width 6mm - 1	
	(26)	Retractor Short Narrow Tip, Small, Width 8mm - 1	
	(27)	Retractor, Extra Long, for small fragment- 2	
	(28)	Periosteum Elevator, Fibre Handle, curved, Straight Edge, Width 6mm- 1	
	(29)	Clips for Plates- 5	
16	OPE024	Large Fragment Set (OSCO)	5 Set
	(1)	Container- 1	
	(2)	Drill Bit Q.C. 3.2MM- 3	
	(3)	Drill Bit Q.C. 4.5MM-2	
	(4)	Large Countersink- 1	
	(5)	Tap Handle Q.C. - 1	
	(6)	Tap Q.C. - 4.5mm- 2	
	(7)	Tap Q.C. - 6.5mm- 1	
	(8)	Double Drill Sleeve 4.5mm/ 3.2mm - 1	
	(9)	Insert Drill Sleeve 4.5mm/ 3.2mm - 1	
	(10)	Double Drill Sleeve 6.5mm/ 3.2mm- 1	
	(11)	Hex Screwdriver with fibre handle 3.5A/F- 1	
	(12)	Hex Screwdriver Q.C. 3.5A/F- 1	
	(13)	Depth Gauge for Large Screws Stainless Steel- 1	
	(14)	Sharp Hook- 1	
	(15)	DCP Load & Neutral Drill Guide 3.2mm (For 4.5mm Screws)- 1	
	(16)	Universal Drill Guide for SS LCDCP, 4.5mm- 1	
	(17)	SS LC-DCP Load & Neutral Drill Guide 3.2mm-1	
	(18)	Template for contouring plates Large DCP/LCDCP - 7H x 120mm- 1	
	(19)	Template for contouring plates Large DCP/LCDCP - 9H x 155mm- 1	
	(20)	Template for contouring plates Large DCP/LCDCP - 12H x 210mm- 1	

17	OPE025	External Fixator Set (Tubular)	4 Set
	(1)	Single Pin Clamp- 15	
	(2)	Double Pin Clamp - 4	
	(3)	Open Clamp- 2	
	(4)	Connecting Clamp - 4	
	(5)	Tube to Tube Clamp- 2	
	(6)	Transverse Clamp- 1	
	(7)	Twin Adjustable Clamp (Straight) - 1	
	(8)	Twin Adjustable Clamp (Curved) - 1	
	(9)	Schanz Screws 4.5mm- 10	
	(10)	Schanz Screws 5.0mm - 10	
	(11)	Schanz Screws 6.5mm - 4	
	(12)	Tubular Rod	
	(13)	2 Rods each of 150,200,250,300,350 & 400mm - 12	
	(14)	Connecting Rod 5.0mm- 4	
	(15)	Triple Trocor 5.0 x 50mm - 1	
	(16)	Triple Trocor 5.0 x 100mm - 1	
	(17)	Spanner 11.0mm - 2	
(18)	Drill Bit (Extra Long) 3.2/ 3.5/ 4.5mm- 3		
18	OPE026	Instruments for Square Nails & Rush Nail	4 Set
	(1)	Impactor for Square Nails (in four sizes) - 4	
	(2)	Reamers for Square Nails -	
	(3)	Sizes : 2.0mm, 2.5mm, 3.0mm, 3.5mm - 4	
	(4)	Extractor with Two Hooks- 1	
	(5)	SQ. Nails for Ulna : 2,2.5,3,3.5mm x 18 to 30cm (1 each) -52	
	(6)	SQ. Nails for Radius : 2,2.5,3,3.5mm x 18 to 30cm (1 each) -52	
	(7)	Rush Nails : 2mm x 18 to 30cm (1 each) with 2cm variation- 7	
	(8)	Rush Nails : 2.5mm x 18 to 30cm (1 each) with 2cm variation- 7	
	(9)	Rush Nails : 3mm x 18 to 30cm (1 each) with 2cm variation- 7	
	(10)	Rush Nails : 3.5mm x 20 to 30cm (1 each) with 2cm variation- 6	
	(11)	Rush Nails : 4mm x 20 to 30cm (1 each) with 2cm variation- 6	
	(12)	Rush Nails : 5mm x 20 to 30cm (1 each) with 2cm variation- 6	
	(13)	Rush Nails : 6mm x 20 to 30cm (1 each) with 2cm variation- 6	
19	OPE027	Instruments & Unokabt Set for K. Nails	2 Set
	(1)	K. Nail Driver- 1	
	(2)	K Nail Extractor with Two Hooks - 1	
	(3)	Spare Hooks for Extractor- 1	
	(4)	Measuring Gauge for K Nails - 1	
	(5)	Diamond Pointed Awl - 1	
	(6)	K. Nail Setting Device- 1	
	(7)	Guide Wire for K. Nails (in four sizes) - 4	
	(8)	K. Nail Reamers Sizes : 8mm, 9mm, 10mm, 11mm, 12mm & 13mm - 6	
	(9)	K. Nails : 8 & 9mm x 36,37,38,39,40,41,42,43,44cm, (1 each) - 18	
	(10)	K. Nails : 10,11 & 12MM x 36,37,38,39,40,41,42,43,55 CM - 27	
20	OPE028	Instrument & Implant set for Dynamic Hip Screw	6 Set
	(1)	Guide Pin with Threaded End - 6	
	(2)	D.H.S. Angle Guide 135* - 1	
	(3)	Wrench for D.H.S. Screw - 1	
	(4)	D.H.S. Triple Reamer - 1	
	(5)	Impactor - 1	
	(6)	Tap for D.H.S. Screw- 1	
	(7)	Coupling Screw for Plate Insertion - 1	
	(8)	Coupling Screw for Screw Removal - 1	
	(9)	Quick Coupling Handle - 1	
	(10)	Reverse Measuring Device- 1	
	(11)	Centring Sleeve for Tap - 1	
	(12)	Centring Sleeve for Wrench - 1	
	(13)	Container with S.S. Trays - 1	

	(14)	D.C.S. Angle Guide 950- 1	
	(15)	D.C.S. Triple Reamer - 1	
	(16)	Implants	
	(17)	D.H.S. Plate 135* x 4,5,6,7,8 Holes ( 1 Each) - 5	
	(18)	D.C.S. Plate 95* x 5,6,7,8,9,10 Holes (1 Each) - 6	
	(19)	Lag Screw with Compression screw 55mm to 110mm (1 Each)- 12	
21	OPE029	Instruments & Implant Set for Cannulated Screws 4mm & 7mm	4 Set
	(1)	Large Cannulated Hexagonal Screw Driver - 1	
	(2)	Small Cannulated Hexagonal Screw Driver- 1	
	(3)	Cannulated Tap 7.0 mm- 1	
	(4)	Cannulated Tap 4.0mm - 1	
	(5)	Cannulated Drill Bit 4.5mm - 1	
	(6)	Cannulated Drill Bit 3.2mm - 1	
	(7)	Parallel Wire Guide - 1	
	(8)	Protection Sleeve 4.5mm - 1	
	(9)	Protection Sleeve 3.2mm – 1	
	(10)	Direct Measuring Device - 1	
	(11)	Threaded Guide Wire 1.8mm - 5	
	(12)	Threaded Guide Wire 1.2mm - 5	
	(13)	Container - 1	
	(14)	Cannulated Screw 7mm x 45mm to 110mm (3 Each) -42	
	(15)	Cannulated Screw 4mm x 35mm to 70mm (3 Each) -24	
	(16)	Washer Large - 10	
	(17)	Washer Small – 10	
22	OPE030	Instruments & Implant Set for Ender's Nails	3 Set
	(1)	Ender's nail 3mm x 20cm to 30cm with 1cm. Variation (2 each) -22	
	(2)	Ender's nail 3.5mm x 20cm to 30cm with 1cm. Variation (2 each) -22	
	(3)	Ender's nail 4mm x 26cm to 42cm with 1cm. Variation (2 each) -34	
	(4)	Ender's nail 4.5mm x 26cm to 42cm with 1cm. Variation (2 each) -34	
	(5)	Instruments set for Ender's Nail - 1 Set	
23	OPE031	Screw Set (Small Fragment)	8 Set
	(1)	Contents :	
	(2)	Cortex Screw 3.5mm - 105	
	(3)	5 Screw each of 10,26,28,30,32,34 & 40mm	
	(4)	10 Screw each of 12,14,16,18,20,22 & 24mm	
	(5)	Cancellous Screws 3.5mm- 28	
	(6)	2 Screws each of 12,14,16,18,20,22 & 24mm	
	(7)	2 Screws each of 26,28,30,35,40,45 & 50mm	
	(8)	Cancellous Screws 4.0mm (Full thread) - 30	
	(9)	2 Screws each of 14,16,18,20,22, 24, 26 & 28mm	
	(10)	2 Screws each of 30,35,40,45, 50, 55 & 60mm	
	(11)	Cancellous Screws 4.0mm (Short thread) - 30	
	(12)	2 Screws each of 14,16,18,20,22, 24, 26 & 28mm	
	(13)	2 Screws each of 30,35,40,45, 50, 55 & 60mm	
	(14)	Washer Large 20	
	(15)	Screws Holding Forceps-1	
	(16)	Container with S.S. Trays-10	
24	OPE032	Screw Set (Large Fragment)	8 Set
	(1)	4.5mm Cortex Screws - 170	
	(2)	8 Screws each of 14,16,18,20,22,24,26 & 28mm	
	(3)	16 Screws of 30mm	
	(4)	12 Screws each of 32,34,36,38,40mm	
	(5)	6 Screws each of 42,44,46,48,50mm	
	(6)	5 Screws of 60mm	
	(7)	4 Screws each of 64 & 68mm	
	(8)	Malleolar Screws 4.5mm - 18	

	(9)	2 Screws each of 25,30,35,40,45,50,55 & 60mm	
	(10)	1 Screws each of 65 & 70mm	
	(11)	Cancellous Screws 6.5mm (16mm Thread) -34	
	(12)	2 Screws each of 30,35,40,45,50,55,60,65mm	
	(13)	2 Screws each of 70,75,80,85,90,95,100,105 & 110mm	
	(14)	Cancellous Screws 6.5mm (32mm Thread) -28	
	(15)	4 Screws each of 45,50,55 & 60mm	
	(16)	2 Screws each of 65,70,75,80,85 & 90mm	
	(17)	Cancellous Screws 6.5mm (Full Thread) - 28	
	(18)	4 Screws of 25mm	
	(19)	4 Screws each of 30,35 & 40mm	
	(20)	2 Screws each of 45,50,55,60,65 & 70mm	
	(21)	Washers (Large) - 20	
	(22)	Screws Holding Forceps- 1	
	(23)	Container with S.S. Trays - 1	
25	OPE033	Plate set (Small Fragment)	5 Set
	(1)	One Third Tubular Plate - 10	
	(2)	1 Plate each of 2,3,7 & 8 Holes	
	(3)	2 Plate each of 4,5 & 6 Holes	
	(4)	D.C.P. (Small) -18	
	(5)	4 Plates each of 5,6,7 & 8 Holes	
	(6)	1 Plate each of 9 & 10 Holes	
	(7)	Small 'T' Plates 3.5mm -3	
	(8)	1 each of 3,4 & 5 Holes	
	(9)	Small 'T' Plates 3.5mm Oblique Angled -3	
	(10)	1 each of 3,4 & 5 Holes	
	(11)	Reconstruction Plate 3.5mm -3	
	(12)	1 Plate each of 5,6 & 8 Holes	
	(13)	Cloverleaf Plate 3.5mm - 3	
	(14)	1 Plate each of 4,6 & 8 Holes	
	(15)	Container with S.S. Trays – 1	
26	OPE034	Plate Set (Large Fragment)	5 Set
	(1)	Semi Tubular Plate - 8	
	(2)	2 Plate each of 4,5, 6 & 7 Holes	
	(3)	D.C.P. (Narrow) - 12	
	(4)	2 Plates each of 5,6,7,8,9 & 10 Holes	
	(5)	D.C.P. (Broad) - 11	
	(6)	2 Plates each of 6,7,8 & 9 Holes	
	(7)	1 Plate each of 10,12,14 Holes	
	(8)	T' Plates 4.5mm- 5	
	(9)	1 each of 4,5,6,7 & 8 Holes	
	(10)	T' Buttress plate 4.5mm - 5	
	(11)	1 each of 4,5,6,7 & 8 Holes	
	(12)	L' Buttress plate 4.5mm - 6	
	(13)	1 plate each of Left/ Right 4 Holes	
	(14)	1 plate each of Left/ Right 5 Holes	
	(15)	1 plate each of Left/ Right 6 Holes	
	(16)	Container with S.S. Trays	
27	OPE035	Implant & Instrument Set for Inter Locking Nail Humrus	2 Set
	(1)	HUMRUS NAIL :	
	(2)	DIA, 6MM x 20,22,24,26,28,30 CM. (1 Each) Solid - 6	
	(3)	DIA, 7MM x 20,22,24,26,28,30 CM. (1 Each) Cannulated – 6	
	(4)	DIA, 8MM x 20,22,24,26,28,30 CM. (1 Each) Cannulated - 6	
	(5)	LOCKING BOLTS :	
	(6)	Locking Bolt 2.9MM x 20 to 40MM (2 Each) - 22	
	(7)	Locking Bolt 3.4MM x 20 to 50MM (2 Each) - 32	
	(8)	Locking Bolt 3.9MM x 20 to 50MM (2 Each) - 32	
28	OPE036	Instrument Set for Humrus Interlocking Nails	2 Set

	(1)	Threaded Bolt with Sleeve - 1	
	(2)	Jig - 1	
	(3)	Compression Device - 1	
	(4)	Extractor Rod - 1	
	(5)	Round Hammer- 1	
	(6)	Protection Sleeve - 1	
	(7)	Drill Sleeve For 3.2 mm Drill- 1	
	(8)	Drill Sleeve For 2.7mm Drill- 1	
	(9)	Pointer- 1	
	(10)	Spanner Ordinary (2 Nos.)- 2	
	(11)	Guide Wire 1.8mm x 30' Long- 1	
	(12)	Screw Driver For 3.5mm Hex - 1	
	(13)	Screw Driver For 4.5mm Hex - 1	
	(14)	S.S. Box with Screw Tray For Nail & Instrument - 1	
	(15)	Drill Bits 3.2mm Extra Long 8'-1	
	(16)	Drill Bits 2.7mm Extra Long 8'- 1	
	(17)	Depth Gauge Long - 1	
	(18)	Bone Awl Diamond Pointed - 1	
	(19)	Tissue Protector - 1	
	(20)	Small Hammer -1	
	(21)	Cannulated Reamer - 1	
29	OPE037	Implant & Instrument Set for Inter Locking Nail P.F.N.	4 Set
	(1)	PROXIMAL FEMORAL NAIL :	
	(2)	Dia. 9MM x 25CM. -2	
	(3)	Dia. 10MM x 25CM. -3	
	(4)	Dia. 11MM x 25CM. - 3	
	(5)	Dia. 12MM x 25CM. - 2	
	(6)	Locking Bolts :	
	(7)	Locking Bolt 4.9MM x 26 to 70 MM - 46	
	(8)	Locking Bolt 6.4MM x 60 to 110 MM - 22	
	(9)	Locking Bolt 8.0MM x 60 to 110 MM - 22	
30	OPE038	Instrument Set for Proximal Femoral Interlocking Nails	4 Set
	(1)	Threaded Bolt - 1	
	(2)	Small Hammer Unit with Nut - 1	
	(3)	Jig - 1	
	(4)	Extractor Rod - 1	
	(5)	Round Hammer- 1	
	(6)	Protection Sleeve 12mm - 1	
	(7)	Protection Sleeve 10mm -2	
	(8)	Drill Sleeve For 4.0mm Drill -1	
	(9)	Guide Wire Sleeve for 2mm For 12mm Sleeve-1	
	(10)	Guide Wire Sleeve for 2mm For 10mm Sleeve-1	
	(11)	Pointer long- 1	
	(12)	T-Handle (Wrench)-1	
	(13)	Spanner Ordinary (2 Nos.)- 2	
	(14)	C.C. Screw Driver For 5mm Hex Long-1	
	(15)	Guide Wire 2mm x 16" Long- 1	
	(16)	Guide Wire Threaded 2mm x 16" Long- 1	
	(17)	C.C. Drill Bit Long with Q.C. For 8mm Screw- 1	
	(18)	C.C. Drill Bit Long with Q.C. For 6.4mm Screw- 1	
	(19)	C.C. Bone Tap Long with Q.C. For 8mm Screw- 1	
	(20)	C.C. Bone Tap Long with Q.C. For 6.4mm Screw- 1	
	(21)	C.C. Reamer with Q.C. 15mm-1	
	(22)	T Handle For Drill Bit & Tap- 1	
	(23)	Screw Driver For 4.5mm Hex - 1	
	(24)	Guide Wire 3mm x 40' Long- 1	
	(25)	S.S. Box with Screw Tray For Nail & Instrument - 1	
	(26)	Drill Bits 4mm Extra Long 10"- 1	

	(27)	Depth Gauge Long - 1	
	(28)	Bone Awl Diamond Pointed - 1	
	(29)	Tissue Protector - 1	
31	OPE039	Implants for Inter Locking Nail Tibia/ Femur Tibia Nail :	10 Set
	(1)	Dia. 8MM x 28,29,30,31,32,33,34,35,36,37,38 CM - 1 Each	
	(2)	Dia. 9MM x 28,29,30,31,32,33,34,35,36,37,38 CM. - 1 Each	
	(3)	Dia. 10MM x 28,29,30,31,32,33,34,35,36,37,38 CM - 1 Each	
	(4)	Femur Nail :	
	(5)	Dia. 9MM x 34,36,38,40,42,44 CM - 1 Each	
	(6)	Dia. 10MM x 34,36,38,40,42,44 CM. - 1 Each	
	(7)	Dia. 11MM x 34,36,38,40,42,44 CM. - 1 Each	
	(8)	Dia. 12MM x 34,36,38,40,42,44CM - 1 Each	
	(9)	Locking Bolt 3.9MM x 26 to 50MM - 2 Each	
	(10)	Locking Bolt 4.9MM x 26 to 70MM - 2 Each	
32	OPE040	Instrument Set for Tibia/ Femur Interlocking Nail	10 Set
	(1)	Threaded Bolt - 1	
	(2)	Introducer (Hammer Unit) - 1	
	(3)	Jig - 1	
	(4)	Extractor Rod - 1	
	(5)	Round Hammer - 1	
	(6)	Protection Sleeve - 1	
	(7)	Drill Sleeve For 3.2 mm Drill - 1	
	(8)	Drill Sleeve For 4.0 mm Drill- 1	
	(9)	Pointer - 1	
	(10)	T-Handle (Wrench)-1	
	(12)	Spanner Ordinary (2 Nos.)- 2	
	(13)	Screw Driver For 4.5mm Hex - 1	
	(14)	Guide Wire 2.5mm x 40' Long	
	(15)	Guide Wire 3mm x 40' Long- 1	
	(16)	Guide Wire Bided 3mm x 40' Long	
	(17)	S.S. Box with Screw Tray For Nail & Instrument -1	
	(18)	Drill Bits 3.2mm Extra Long 8'-1	
	(19)	Drill Bits 4mm Extra Long 8'-1	
	(20)	Depth Gauge Long- 1	
	(21)	Bone Awl Diamond Pointed - 1	
	(22)	Tissue Protector - 1	
33	OPE041	<b>Spine</b>	3
	(1)	Starter Awl, soft Grip	3
	(2)	Pedical Centraliser	3
	(3)	Pedical probe Curved	3
	(4)	Pedical Probe Straight	3
	(5)	Quick coupling handle Soft grip	3
	(6)	Quick coupling handle soft grip, short	3
	(7)	Tap Quick Coupling 4.5 mm	3
	(8)	Tap Quick Coupling 5.5 mm	3
	(9)	Tap Quick Coupling 6.5mm	3
	(10)	Pedical Sound	3
	(11)	Monoaxil Screw driver	3
	(12)	Monoaxil Screw manipulator	3
	(13)	Polyaxil/Reduction Screw Driver	3
	(14)	Polyaxil/Reduction hexa Screw Driver 2.5mm	3
	(15)	Inner Screw Inserter	3
	(16)	Inner Screw Final Tightner Quick Coupling	3
	(17)	Inner Screw Final Tightner (Pair)	3
	(18)	Rod Bender	3
	(19)	Rod Holder	3
	(20)	Rod Holder Heavy Duty	3

	(21)	Vise grip	3
	(22)	Rod Holdere Heavy Duty	3
	(23)	Vise grip	3
	(24)	Rod Stabilizer (Anit-Torque)	3
	(25)	Rod Pusher Straight	3
	(26)	Rod pusher Curved	3
	(27)	Rocker	3
	(28)	Co-Axial Rod Reducer	3
	(29)	Distractor 6mm	3
	(30)	Compressor 6mm	3
	(31)	Pin Cutter 18mm	3
	(32)	Hook Holder, Sot Grip	3
	(33)	Hook Pusher, Soft Grip	3
	(34)	Facet Finder, Soft Grip	3
	(35)	Supralaminar Locator, Soft Grip	3
	(36)	Infralaminar Locator, Soft Grip	
	(37)	Inseter for Staple Washer	3
	(38)	Rod Cutter	2
34	OPE042	<b>Cervical Palate:</b>	
	(1)	Drill Sleeve Ecentric	3
	(2)	Drill Sleeve Neutral	3
	(3)	Cervical Plate Holder	3
	(4)	Cervical Plate Bender	3
	(5)	Hex. Screwdriver With self holding sleeve	3
	(6)	Hex. Screwdriver Without sleeve	3
	(7)	Holding Sleeve	3
	(8)	Temporary Stabilizing Pin	3
	(9)	Quick Coupling Handle	3
35	OPE043	<b>Laminectomy:</b>	
	(1)	Spinal Roungers various size 2 per set	2
	(2)	Bone Curette	2
	(3)	Macdowell's Dissector	2
	(4)	Durer Elevator	2
	(5)	Cobbs Elevator	2
	(6)	Punch Forceps (up-cutting/down-cutting)(small/large ) (45 degree)	2 each
	(7)	Disc forceps (straight/upward/downward)	2
	(8)	Nerve root retractor (straight/45 degree/90degree)	2
36	OPE044	<b>Iizarov:</b>	
	(1)	Wire Tensionar Dynamic	2
	(2)	Wire Tensionar Mechanical	2
	(3)	Open Spanner	6
	(4)	Round Spanner	6
	(5)	Coticotome 5mm	2
	(6)	Coticotome 10 mm	2
	(7)	Osteotome 5mm	2
	(8)	Osteotome 10mm	2
	(9)	T-Handle (for tapered pin)	2
	(10)	Scale	2
37	OPE045	<b>Monorail:</b>	
	(1)	T-Handle (for tapered pin)	2
	(2)	Troccar	2
	(3)	Coticotome 5mm	2
	(4)	Coticotome 10mm	2
	(5)	Osteotome 5mm	2
	(6)	Osteotome 10mm	2
	(7)	Allen key	6
	(8)	Drill Bit Different Sizes	

	(9)	Scale	2
	(10)	Drill Bit Cannulated	4
	(11)	Guide Wire	4
38	OPE046	<b>Locking compression Platess:</b>	
	(1)	Reduction Clamp	10
	(2)	Bone Holding Forecep small/medium/large (150/190/240mm)	10 each
	(3)	Plate holding forecep small/medium/large (150/190/240mm)	10 each
	(4)	Bone Tape 3.5mm, 4.5mm	5 each
	(5)	Lane Screw Driver	5 each
	(6)	Hexagonal Screw Driver - 2.5mm, 3.5mm, 4.5mm Tip	5 each
	(7)	Small Neutral and loaded drill guide 2.5	5
	(8)	Small Neutral and loaded Drill Guide 3.2 mm	5
	(9)	Hexagonal Screw Driver with sleeve 2.5 mm tip	5
	(10)	Counter Sink 6.0mm Head	4
	(11)	Small Plate Bender	10
	(12)	Large Plate Bender	10
	(13)	Small Depth Gauge	10
	(14)	large Depth Gauge	10
	(15)	Counter Sink 4.5 mm Screws	4
	(16)	Quick Coupling Handle for taps	5
	(17)	Quick Coupling adaptor for Drill bits	5
	(18)	Drill Sleeve 2.5 mm	5
	(19)	Drill Sleeve 3.2 mm	5
	(20)	Drill & Tape Sleeve Combined 2.5mm/3.2mm	5
	(21)	Drill & Tape Sleeve combined 3.2mm/4.5mm	5
	(22)	Insert Drill Sleeve 2.5mm	5
	(23)	Insert Drill Sleeve 3.2 mm	5
	(24)	Pointed Drill Guide with 4.5 mm tap sleeve & 3.2 mm insert drill sleeve	5
	(25)	Hollow mill for Removal of Broken Screws & Drill bits	3
39	OPE047	<b>Arthroscopy:</b>	
	(1)	PCL Femoral aimer	2
	(2)	ACL Elbow aimer	2
	(3)	PCL Tibial aimer	2
	(4)	Trocar tip passing pin	2
	(5)	Cruciate guide wire	2
	(6)	Flower tip reamer	2
	(7)	Endoscopic drill	4
	(8)	Meniscotome	2
	(9)	Cartilage File	2
	(10)	Hook probe	2
	(11)	Curette	2
	(12)	forceps (mini baskat/mini biopsy/grasping)	2 each
	(13)	Scissors (hook/mini)	2 each
	(14)	Knife (retrograde/bayonet/banana/scalpel/rosetta/hook)	2each
	(15)	Tendon striper	2
	(16)	Suzing tube	2
	(17)	Bone tunnel plugs canulated/non-canulated	2
	(18)	Femoral offset	2
	(19)	Shaver system	2
	(20)	pulse lavage system	2
40	OPE048	<b>Hip prosthesis:</b>	
	(1)	Charnley Self retaining retractor	2
	(2)	Rasp for Austin moore	2
	(3)	Rasp for thompson	2
	(4)	Rasp for biploar	2
	(5)	Moore hollow chisel	4
	(6)	Murphy lane bone skid	3
	(7)	Jugdet auger extractor	3

	(8)	Hook extractor	3
	(9)	Measuring Gauge	3
	(10)	Golden reamer	2
	(11)	Acetabulum reamer	2
	(12)	Flexible drill bits	2
	(13)	flexible screw driver	2
	(14)	Impactor for stem	2
	(15)	Neck cutting guide	2
	(16)	Impactor-nylon faced	2
41	OPE049	<b>Knee Prosthese:</b>	
	(1)	Perforator	2
	(2)	Femoral, tibial cutting and patellar zig	3 each
	(3)	Mallets	2
	(4)	Pins	2
	(5)	Bone saw	2
42	OPE050	<b>Jess:</b>	
	(1)	Spanner 10mm	6
	(2)	Allen key	6
43	OPE051	<b>Misc:</b>	
	(1)	Skin Grafting handle - Small	2
	(2)	Skin Grafting handle - Large	2
44	OPE052	<b>Herbert Screw set:</b>	
	(1)	Herbert screw zig	2
	(2)	Sleve (guide/drill)	2
	(3)	Herbert canulated drill bit	2
	(4)	Measuring Guage	2
	(5)	Canulated screw driver	2
	(6)	Guide wire 1.2 mm	2
	(7)	Tensile elastic nail system set (Bone awl/T-Handle/harrington cutter)	2 each

**E. List of Essential Ophthalmology Equipment & Instruments**  
**Section –E, Code no. – OEI**

Sr. No.	Code No.	Name of the item with full specification	Packing unit
	<b>OEI</b>	<b>Group-A Equipments</b>	
1	OEI 001	Phacoemulsification Machine	2
2	OEI 002	YAG Laser	1
3	OEI 003	Slit Lamp	12
4	OEI 004	Keratometer	6
5	OEI 005	A Scan	2
6	OEI 006	Corneal Topography	1
7	OEI 007	Electric Bipolar CAUTARY with cutting spray & Bipolar mode at least 400 W (for general surgery use)	2
8	OEI 008	Cryophthalmic unit providing controlled freezing & defrosting by use of freon or Nitrous oxide as refrigerants unit to be supplied with pencils for cataract Extraction, glaucoma & retinal detachment. Foot switch with two way control for efficient freezing and rapid defrosting	3
9	OEI 009	Bipolar cautery (wet field)	6
10	OEI 010	Phoco Emulsi Fication System with Vitrectomy Basic	Each
11	OEI 011	Clinical Specular Microscope	Each

12	OEI 012	Autorefractometer	Each
13	OEI 013	Autorefractometer with Keratometer	Each
14	OEI 014	Streak Retinoscope	Each
15	OEI 015	Flash Autoclave	Each
16	OEI 016	Operating Microscope	Each
17	OEI 017	Vitrectomy Machine	Each
18	OEI 018	Corneal Topograph	Each
19	OEI 019	Optical Coherence Tomography	Each
		<b>Group-B Equipments</b>	
20	OEI 021	Eye-lid retractor-Des, Marres Pattern solid blades, small, Medium & Large ISI Marked	12 Each (Small Medium Large)
21	OEI 022	Dilators, Punctum (Wilders Pattern) Infant & Adult	12 Each (Small Medium Large)
22	OEI 023	Lacrimal Sac Dissector Lang's Pattern ISI Marked	4
23	OEI 024	Lacrimal rougine	6
24	OEI 025	Muscle Hook Stevens ISI Marked	12
25	OEI 026	Iris Reposer-Thin Blade ISI Marked	12
26	OEI 027	Fixation forceps grafe's Pattern fine toothed S.S. 1:2 & 3:4 ISI Marked	12
27	OEI 028	Tenotomy Scissors, Stevens curve, Blunt or Straight ISI Marked	12 Each (Small Medium Large)
28	OEI 029	Enucleation scissor slightly curved or strongly curved S.S. ISI Marked	6
29	OEI 030	Eye dissecting fine forceps, serrated ISI marked	12
30	OEI 031	Colour blindness book ishiharas colour testing book	12
31	OEI 032	Trial set major : In well Polished wooden case with lock & keys spheres as below : Complete spheres in pairs concave & convex viz : 0.25,0.50,0.75,1.0,1.25, 1.50,1.75,2.0,2.25,2.50,2.75, 3.0,3.25, 3.50,4.0,4.50,5.0, 5.50,6.0, 7.0,8.0,9.0,10.0, 11.0,12.0,14.0, 16.0,18.0,20.0 D-Cylinders convex & concave in pairs or 0.25, 0.50 0.75,1.0,1.25,1.50,1.75,2.0,2.25, 2.50,3.0,3.50,4.0,5.0, 6.0, following accessories Black Pinholes ft. one red, One green, One crossed cylinder prism 1/2, 1,2,3,4,5,6 prism dioptoes & one Maddox rod.	10
32	OEI 033	Distant vision Snellen's chart & near vision (Jaeger chart)	24
33	OEI 034	Revolving self illuminating testing drums, drum should have English, Hind dots, "E" type letter type on plastic panels with well polished metal frame to be fitted in the wall with worth four dot test, friend test.	12
34	OEI 035	Trial frame interpupillary distance adjustable for three lenses suitable for adults/Children.	24 Each (Small Medium Large)
35	OEI 036	Castroviejo knife blade holder & Blade cutter (Breaker)	12
36	OEI 037	Capsule forceps (Arrugas)	12
37	OEI 038	Cylinder of freezing gas with dial for reading	3
38	OEI 039	Cryo pencil (Spare) Washers	6
39	OEI 040	Maddox wing	3
40	OEI 041	Artificial Eyes set with different size for right & left eye	12 set
41	OEI 042	Evisceration spoon small & large	6 Each (Small Medium Large)
42	OEI 043	Metal lid spatula jeeger	12
43	OEI 044	Dastoor superior rectus forceps S.S.	12
44	OEI 045	West Bonecouge for lacrimalsac	6

45	OEI 046	Freer Periosteal elevator twin S.S.	6
46	OEI 047	Ronguer forceps for DCR size 1,2,3 S.S. (Kerri son)	6 Each (Small Medium Large)
47	OEI 048	Tono meter (Shiotz)	12
48	OEI 049	Ophthalmoscope specialist model with case and one spare bulbe	12
49	OEI 050	Ophthalmoscope Spare bulb	24
50	OEI 051	Streak Retinoscope Dustproof. Single control for vergence and rotation. 3.5 V Halogen Bulb. One Spare bulb. Convertible rechargeable Power handle.	12
51	OEI 052	Retioncope spare bulbs	24
52	OEI 053	Binocular loop (Binocular) with plastic Band adjustable/ Binocular magnifier with plastic frame	6
53	OEI 054	Aqueous chamber irrigation cannulae for fitting in ordinary syringe, (Disposable)	12
54	OEI 055	Double way A.C. irrigating cannule (Reverse Simcoe)	24
55	OEI 056	Mosquito Artery forceps (Hartman)	24
56	OEI 057	Wire speculum for Children 4mm wide blade	24
57	OEI 058	Wire speculum for Adult	24
58	OEI 059	Lacrimal sac retractor (Stevenson) Self retaining	12
59	OEI 060	Lacrimal sac retractor (Knapp) (Blunt)	12
60	OEI 061	Lacrimal sac protector	12
61	OEI 062	Muscle hook (Jameson) small & large	12
62	OEI 063	Lens Expresser & spatulas (Kirby)	12
63	OEI 064	Corneal scissors S.S. curved Blunt tips, medium blade (Castroviejo) Universal	24
64	OEI 065	Kerato plasty scissors, universal Blunt Tips, Medium blades curved (Castroviejo)	24
65	OEI 066	Vanna's scissors long handle extra thin sharp points 10mm, Long Blades	24
66	OEI 067	Capsulotomy scissors Extra thin long blades	24
67	OEI 068	Vitreous scissors vertical cut 60° with gauge Gills vannas with Irrigation	12
68	OEI 069	Tenotomy scissors curved Blunt tips medium Blades, (West cott)	24
69	OEI 070	Strabismus scissors Blunt tips, Ring, handle straight & curved (Knapp)	12
70	OEI 071	Needle Holder extra delicate micro jaw short model without lock straight 7 curved (Barraquer)	24
71	OEI 072	Super sharp Blade, Lance tip Blade for side port, 1.5mm. Straight	2000
72	OEI 073	Tunnel Blade 3mm angle 60° for making tunnels	2000
73	OEI 074	Slit blade 3mm angle 45° to enter in to anterior chamber	2000
74	OEI 075	Slit enlarging Blade, Blunt 5mm angle 45° for extension of slit	1000
75	OEI 076	Bard Parker blade No. 11,15	1000
76	OEI 077	Chalazion forceps oval, 13mm & 20mm diameter (Desmarras)	12
77	OEI 078	Lens Expresser & Vectis (Kirby)	12
78	OEI 079	Lens Expresser and repository (Kirby)	12
79	OEI 080	Cilia forceps lightly angled, smooth jaws 9Barraquer)	12
80	OEI 081	Cilia forceps (Beer)	12
81	OEI 082	Corneal forceps, Castroviejo Colibri/ or Mc Pherson very Delicates 1x2 Teeth 0.12mm with tying plate form straight & curved	24
82	OEI 083	Suturing forceps Castroviejo 1x2 Teeth tying plate form straight 0.5mm.	24
83	OEI 084	Suture tying forceps smooth jaws 5mm platform straight Mc Pherson	24
84	OEI 085	Micro corneal forceps (Hosking) straight fine (Pierce type)	24
85	OEI 086	Plain forceps with criss cross serrated tips (bishop Harmon)	24
86	OEI 087	Iris forceps very delicate curved (Colibri)	12
87	OEI 088	Nasal speculum, Infant child & adult	6 Each
88	OEI 089	Descement's membrane Punch 1mm diameter tip (Kelly's)	6 Each
89	OEI 090	Lacrimal trephines with centre pin & without centre Pin	6 Each
90	OEI 091	Lacrimal chisel straight	6
91	OEI 092	Lacrimal mallet for DCR	6
92	OEI 093	Lens manipulators Sinsky type 0.2mm diameter Blunt tip angled round handle	24

93	OEI 094	Heat cautery copp-r-conetype	6
94	OEI 095	Capsulorhexis forceps very delicate extraely thin 11mm long shanks (UTRATA)	24
95	OEI 096	Lens holding forceps- (Mc Pherson) smooth jws, 5mm long Plateform 11mm angled for implanting IOL	24
96	OEI 097	Ptosis forceps (Berke) with side lock	12
97	OEI 098	Enteropion forceps (SNELLEN)	12
98	OEI 099	Mosquito forceps delicate 145mm long curved	24
99	OEI 100	Bulldog clips- (Serra fine) 1.5" long straight	6
100	OEI 101	Keratoplasty scissors (Castroviejo angled toside-medium)	24
101	OEI 102	Iris scissors- Barraquer blunt tips 7mm long blades	24
102	OEI 103	Eye scissors-standers, pointed tips, curved, ring handle 4.5 long	24
103	OEI 104	BP handle No. 3 flat	12
104	OEI 105	Irrigating wire vectis (Simcoe)	12
105	OEI 106	Bone nibbling Ronguer forceps (kerrison) 9mm opening Size : 1,2,3	12
106	OEI 107	Lacrimal probe set of 4 sizes 0000 & 000, 00&0, 1&2, 3&4	12
107	OEI 108	Lacrimal dilator (Castroviejo) double ended fine & medium tapers	12
108	OEI 109	Lacrimal dilator infant	12
109	OEI 110	Simcoe cannula S.S. for Irrigation & Aspiration	100
110	OEI 111	Kerato Plasty knife- Pear shaped (Barraquer)	12 Each (Small Medium Large)
111	OEI 112	Kerato Plasty spatula (dastoor)	12 Each (Small Medium Large)
112	OEI 113	Corneal graft stand-brass chrome (Tudor Thomas)	6
113	OEI 114	Teflon Block for Corneal cutting (Lieberman)	50
114	OEI 115	Corneal graft holding forceps (Dastoor)	12
115	OEI 116	Corneal trephine size 5,5.5,6,6.5,7,7.5,8,8.5,9,9.5,10 & 11mm diameter (Castroviejo) 7,7.5, 8, 8.5, 5, 5.5, 6.0, 6.5, 9.0, 9.5, 10, 11mm	100 Each (Small Medium Large) 20 Each (Small Medium Large)
116	OEI 117	Calliper (Castroviejo) straight 20mm spread	6
117	OEI 118	Enucleation spoon	6
118	OEI 119	Lens dilator (Lewicky) Lens Manupulating Hook	24
119	OEI 120	Keener-Arlt Small Size. Lens loop for SICS	6
120	OEI 121	Castro ergo blade breaker & Holder	24
121	OEI 122	<b>Trial set</b> Lenses having power from + 0.25d To +25 D Sphere. Cylindrical Lenses from +0.25 to + 6 D. Should have aluminium rims. Wooden Box (Illuminated) with Accessories. A. Good Quality Trial Frame. B. IPD Scale. C. Red Glass Green Glass, Occluder, Pin Hole, Stenopic Slit. Maddox Rod.	12
122	OEI 123	<b>Snellen's Distance visual Acuity Chart.</b> 1. Visual Chart Drum containing English, Hindi, C Chart and E Chart. 2. Chart should be of durable acrylic sheet with black test types on white background. 3. Test should contain Worth 4 Dot Test and Friend test. 4. Should be self illuminated with buld/CFL, operational at 220 volt. 5. Drum should be calibrated for use at a distance of 20feet (6 metres). 6. Test Types should be from 6/60 (20/200) to 6/6(20/20). 7. Drum should be attached to a rotating frame, which can be wall mounted.	12
123	OEI 124	<b>Ishihara Chart</b>	6

		38 plate Pseudo-is chromatic charts based on ISHIHARA. Plates should be cardboard with plastic coating or plastic material and durable. Guide for Test book should be provided.	
124	OEI 125	<b>Near Vision Chart</b> Near Vision Chart Drum containing English, Hindi, C. Chart and E Chart. Should be self illuminated with bulb/CFL and contain switch/button for on-off operation, operational at 220 volt. Test types should be from J1 to J6. Chart should be of durable acrylic sheet with black test types on white background.	12
125	OEI 126	Indirect Ophthalmoscope	6
126	OEI 127	HESS Screen	1
127	OEI 128	Disposable handle for above Cautory	12
128	OEI 129	Artificial Anterior chamber for DSEK (KERATOPLSTY)	2
129	OEI 130	Spatula for DSEK (Small Medium Large)	4
130	OEI 131	Colour Vision Book	Each

**F. List of Essential Dental Equipments & Instruments etc.**  
**Section –F, Code no. – DEI**

Sr. No.	Code No.	Name of the item with full specification	Packing unit
	<b>DEI</b>	<b>Group- A Equipment</b>	
1	DEI001	Dental Chair with unit	Each
2	DEI002	Hand Pieces (A) Air rotor hand pieces:- Standard head (B) Micro motor hand piece :- (I) Straight (II) Contra angle (C) Motorised Suction machine (D) Oil Free noise free air compressor	Each
3	DEI003	Light cure unit	Each
4	DEI004	Ultra Sonic Piezo type scalar	Each
5	DEI005	Dental X-ray unit	Each
6	DEI006	Dual/Multi frequency Apex locator	Each
7	DEI007	Glass bead sterilizer with glass beads/ <i>with auto cut</i>	Each
8	DEI008	Automatic Film Processor for Dental X- Ray	Each
9	DEI009	CBCT (Cone Beam Computer Tomography)	Each
10	DEI010	OPG Machine	Each
11	DEI011	RVG (Digital Radiography Machine) Sensor size 0, 1, 2	Each
12	DEI012	Physiodispensor for implant placement with complete Kit and accessories	Each
13	DEI013	Ultrasonic Instrument Cleaner System	Each
14	DEI014	Amalgamator Motorised	Each
15	DEI015	Front Loading Autoclave (fully programmable digital type) Min. 10 Ltr. Capacity with alarm, thermostat, safety valve.	Each
16	DEI016	UV Chamber with at least 12 SS Trays, magnetic door latch, powder coated paint with Double light, UV light auto on closing door & White tube light auto on opening the door.	Each

17	DE1017	Endo motor with or without inbuilt Apex locator with auto-cleavable hand piece ,torque & speed control, warning sounds, auto stop & reverse function, reciprocating motion	Each
<b>Group –B Equipment</b>			
18	DE1021	Diagnostic Sets with Mouth mirror Containing :- mirror top and handle for intra-oral dental examination ,Probe, Explorer and Tweezers with serrated end/ <i>rust free</i>	Each
19	DE1022	Extraction forceps	
		(A) For Adults	Each
		(I) Upper	Each
		(a) Anterior	Each
		(b) premolar	Each
		© Molar	Each
		(i)Right	Each
		(ii) Left	Each
		(d) Root	Each
		(e) Third molar	Each
		(i)Right	Each
		(ii) Left	Each
		(II) lower	Each
		(a) Anterior	Each
		(b) Premolar	Each
		© Molar	Each
		(d) Root	Each
		(e) Third molar	Each
		(B) For paediatric Use	Each
		(I) Upper	Each
		(a) Anterior	Each
		(b) Posterior	Each
(II) Lower	Each		
(a) Anterior	Each		
(b) Posterior	Each		
20	DE1023	Ranger forceps	Each
21	DE1024	Elevators	
		(I) Straight	Each
		(II) Cross bar	Each
		(a) Right	Each
		(b) Left	Each
		(III) Root	Each
		(a) Right (b) Left <b>(IV) Spoon Elevator</b> <b>(V) Mooris Elevator</b>	
22	DE1025	Periosteal Elevator	Each
23	DE1026	Hand Scalars	
		(I) Sickle	Each
		(II) Curette	Each
		(III) Chisel	Each
		(IV) Files	Each
		(V) HUE type right and left	Each
24	DE1027	Mallet (Hammer)	Each
25	DE1028	Chisel	Each
26	DE1029	Double ended curettes	Each
27	DE1030	Double ended bone file	Each
28	DE1031	Tongue Retractor	Each
29	DE1032	Cement Spatula	Each

30	DEI033	Glass Slab 6" x 3"x 8-10mm in thickness	Each
31	DEI034	Mortar (glass/ ceramic) – for Amalgamation	Each
32	DEI035	Pastel (glass/ ceramic) – for Amalgamation	Each
33	DEI036	Dap pen dish- Glass/ Ceramic	Each
34	DEI037	Dental Wire cutter	Each
35	DEI038	Universal Orthodontic Plier	Each
36	DEI039	Ligature wire SS No. 26, 28 & 30 (Coil Pkt. Of 10/14gms., Tempered soft, round)	Each
37	DEI040	Arch bar (Erich)	Each
38	DEI041	Reamer No. 15 to 80 in 21 & 25mm (Each Pkt. Set of Six)	Each
39	DEI042	File No. 15 to 80 in 21 & 25mm (Each Pkt. Set of Six)	Each
		(A) K File	Each
		(B) H File	Each
40	DEI043	Paper points No. 15 to 80 (120 in qty. in each pkt.)	Each
41	DEI044	G.P. Point No. 15 to 80 (120 in qty. in each pkt.)	Each
42	DEI045	Diamond Burs (Round, Tapered, Straight, Inverted Cone, dumbbell shaped etc.)	Each
43	DEI046	Silver (For dental filling), fine grain, Lathe cut	Each
44	DEI047	Mercury (For dental filling) Chemically purified	Each
45	DEI048	Zinc Phosphate Cement (Powder 90gms. & Liquid 30ml.)	Each
46	DEI049	Zinc Oxide Powder Super quality hybrid sub-micronized particles arsenic free (Dental grade)	Each
47	DEI050	Eugenol 30-100ml.	Each
48	DEI051	Glass Ionomer cement for restoration (Powder 12-15gm. With Liquid 6-9ml.)	Each
49	DEI052	Composite pack with A. Composite material of different shades in syringe packing a) Non-Sticky, no-slump paste. b) Long working time of up to 180 seconds. c) High fracture toughness, natural appearance with smooth and easy to polish d) Organic / in-organic hybrid resin containing 10-15% nano particles. B. Etchant C. Prime & Bond liquid D. Accessories like mixing well, applicator tips, brushes	Each
50	DEI053	Finishing and Polishing kit for composite filling (I) <i>Plastic filling Instrument with high glaze police</i> (II) <i>Molar strips (Light cure)</i> 1. <i>Muslin cloth</i> 2. 12 burs each in finishing & polishing kit	Each
51	DEI054	Matrix Band No. 1 and 8 (Ivory's Pattern) <b>with Retainer</b>	Each
52	DEI055	Silver filing instrument Set (SS) each containing : (A) Amalgam carrier (B) Condenser Serrated © Ball Burnisher (D) Spoon shaped excavator (E) Amalgam Carver <b>Both Maxillary &amp; Man dilator</b> (F) Amalgam Condenser for class II cavities (G) Amalgam polishing Cups & Disc. (H) Hatchet bin angle	Each Each Each Each Each Each Each
53	DEI056	Calcium Hydroxide (A) Powder form 10-15gms. (B) Paste Form : 10-15gm. Base : 10-12gm. Catalyst	Each
54	DEI057	Paste for devitalisation <b>of PUIP</b>	Each

55	DEI058	Chelating agent 3ml. Thick gel in syringe	Each
56	DEI059	Chip Syringe/ Blower with autoclavable SS tip	Each
57	DEI060	Disposable Items,Suction tips,Applicator tips,Cotton rolls(small,medium,large)	Each
58	DEI061	Cotton wool holder made up of SS, Autoclavable (for Dental use)	Each
59	DEI062	Waste Receiver made up of SS, Autoclavable (for Dental use)	Each
60	DEI063	Compact Distil water Plant for dental use approx 4 litres capacity	Each
61	DEI064	Suction tips all size of S.S.	Each

**G. List of Essential Cardio Vascular Surgery Equipments and Instruments**  
**Section –G, Code no. – CVS**

<b>Sr. No.</b>	<b>Code No.</b>	<b>Name of the item with full specification</b>	<b>Packing unit</b>
	<b>CVS</b>	<b>Group-A Item</b>	
1	CVS 001	ECG Machine(single channel)	Each
2	CVS 002	ECG Machine (Multi Channel)	Each
3	CVS 003	Oxygen Concentrator	Each
4	CVS 004	Ventilator & BiPAP	Each
5	CVS 005	Ventilator	Each
6	CVS 006	CTMT machine	Each
7	CVS 007	ECHO (Cardiograph) machine	Each
		<b>Group-B Item</b>	
8	CVS 011	ECG Gel	250ml tube each
9	CVS 012	ECG Paper Roll (50mmx30 mtr.)	Each
10	CVS 013	Disposable ECG solid Gel Electrode	Each
11	CVS 014	Electro Cardiograph Paper rolls 50 mm x 20 mtr (Single Channel Machine )	Each
12	CVS 015	Electro Cardiograph Paper rolls 80 mm x 20 mtr ( Three Channel Machine )	Each
13	CVS 016	Electro Cardiograph Paper rolls 108 mm x 20 mtr (Three Channel Machine )	Each
14	CVS 017	VSO Retractor – Various Size	Each
15	CVS 018	RA Retractor – Large Medium Small	Each
16	CVS 019	LA Retractor – Large Medium Small	Each
17	CVS 020	Cardiac Scissors'	Each
18	CVS 021	Sternal Retractor Large Medium Small	Each
19	CVS 022	Needle Holder Value 12`` 14`` TC Tip	Each
20	CVS 010	Needle Holder TC Tip 6``, 7``, 8`` 9``	Each
21	CVS 010	Cardiac Suture Large Medium Small	Each

22	CVS 010	Debe key, Fine & Blunt 7` 9`	Each
23	CVS 010	Pot's Scissor's	Each
24	CVS 010	Ring Forceps	Each
25	CVS 010	Carbide forceps	Each
26	CVS 010	Castroviejo 7`, 8`, 9`	Each
27	CVS 010	Probe Set $\frac{1}{2}$ , 1, $1\frac{1}{2}$ , 2, $2\frac{1}{2}$ mm	Each
28	CVS 010	RA Retractor (Aortic Retractor)	Each
29	CVS 010	Valculum	Each
30	CVS 010	Adison forceps	Each
31	CVS 010	Dera Debekey back's Large Medium Small	Each
32	CVS 010	Angle Debekey	Each

## **H. List of Laboratory Essential Equipments & Appliances** **Section – H, Code no. – LEA**

Sr. No.	Code No.	Name of Equipment	Packing Unit
		Group-A Equipments	
1	LEA001	Binocular Microscope	Each
2	LEA002	Monocular Microscope Inclined	Each
3	LEA003	(a)Centrifuge Machine - (8 Tubes)	Each
4.	LEA004	(b) Centrifuge Machine - (16 Tubes)	Each
5.	LEA005	Sahli S Hemoglobin Meter	Each
6.	LEA006	Three part automatic hematology analyzer (blood cell counter)	Each
7.	LEA007	Five part differential hematology analyzer (blood cell counter)	Each
8.	LEA008	Semi auto bio chemistry analyzer :	Each
9.	LEA009	Fully Automated Clinical Chemistry Analyzer	Each
10.	LEA010	Automated ESR Analyzer	Each
11.	LEA011	Glucometer	Each
12.	LEA012	Semi Automated Coagulation Analyser	Each
13.	LEA013	Bacteriological Incubators ISI Mark IS:3118:1978	Each
14.	LEA014	Electrolyte Analyzer	Each
15.	LEA015	Blood Gas Analyser	Each
16.	LEA016	Semi Automated Urine Test Strip Analyzer	Each
17.	LEA017	Hemoglobin Spectrophotometer	Each
18.	LEA018	Hemoglobino Meter (Digital Microprocessor Based)	Each
19.	LEA019	Adhm Key For Cell Count - (Digital)	Each
20.	LEA020	Horizontal Laminar Flow	Each
21.	LEA021	Dry Bath Incubator	Each
22.	LEA022	Serological Water Bath : (ISI Mark 6593-1978)	Each
23	LEA023	Hot Air Oven ISI Mark	Each

24.	LEA024	Portable Autoclave ISI Marked Is:8462	Each
25.	LEA0251	Autoclave vertical (22 ltr./40 ltr.)	Each
26.	LEA026	VDRL Rotator	Each
27.	LEA027	Kahn Shaker -	Each
28	LEA028	Water Deionizer For Laboratory Grade Water	Each
29	LEA029	Microprocessor controlled microtyping centrifuge machine & incubator for coombs crossmatch, antibody screening, blood grouping and syphilis test.	Each
30	LEA030	Blood Bank Refrigerator	Each
31.	LEA031	Refrigerator 240,280, 340 ltr.	Each
32.	LEA032	Syringe & Needle Destroyer	Each
33.	LEA033	Bio- Medical Waste Automatic Shredding Machine Capacity 15kg/Hr	Each
34.	LEA034	Dielectric Tube Sealer For Blood Bags	Each
35.	LEA035	Blood Collection Monitor	Each
36.	LEA036	Blood Mixer (Roller Mixer)	Each
37	LEA037	ELISA Reader (Fully Automated)	Each
38	LEA038	ELISA Reader with washer multi scan SSX-washer 4 MK-2 (Plate reader)	Each
39	LEA039	Fully automated deluxe donner couch	Each
		<b>Group-B Instruments</b>	
40	LEA041	Hemoglobin Scale Book (HSB)	Each
41	LEA042	Neubaur's Chamber (Counting Chambers)	Each
42	LEA043	Disposable ESR Pipette	Each pack of 100
43	LEA044	Test Tube Stand Made Of Autoclavable Plastic	Each
44	LEA045	Micropipettes (With Tip Ejector) Of Following Ranges	Each
45	LEA046	RBC Pipette	Each Pack of 10 tubes
46	LEA047	WBC Pipette	Each Pack of 10 tubes
47	LEAO48	Digital Stoop Watch	Each
48	LEA049	Sprit Lamp	Each
49	LEA050	Bio-Waste Management Items	Each
50	LEA051	Haemocytometer	Each
51	LEA052	ESR Stand (Metal)	Each
52	LEA053	ESR Stand (Plastic) Eve rite top	Each

**I. List of Essential Radiology X-RAYS and Accessories and film Developer etc**

**Section –I, Code no. RXA**

Sr. No.	Code No.	Name of the item with full specification	Packing unit
	<b>RXA</b>	<b>Group-A Equipments</b>	

1	RXA 001	MRI Machine 3.0 Tesla	Each
2	RXA 002	C.T. Scanner 128 Slice/256 Slice	Each
3	RXA 003	Cone Beam Computer Tomography Machine (CBCT)	Each
4	RXA 004	Panoramic/Ortho-Pentagram (OPG) X-ray Machine Digital	Each
5	RXA 005	500mA, 300mA & 100 mA Digital X-ray machine with CR System(Digital) with film	Each
6	RXA 006	Mobile X-RAY machine High Frequency Machine	Each
7	RXA 007	C. R. –machine Multi Logan with film	Each
8	RXA 008	Cobalt Radiotherapy machine	Each
9	RXA 009	500mA, 300mA & 100 mA X-ray machine (Non-Digital)	Each
10	RXA 010	Sonography Colour Doppler Machine with 4 probe	Each
11	RXA 011	Ultra Sonography (USG) with 3 probe	Each
12	RXA 012	PET CT Scan Ultra	Each
13	RXA 013	Electrograph, Sonography machine	Each
14	RXA 014	Mobile (Portable) CT Scan Machine	Each
15	RXA 015	Digital Radiography (fixed) Machine	Each
16	RXA 016	Flat panel Detection System for Digital Radiography	Each
17	RXA 017	Automatic Film Processor	Each
18	RXA 018	Mammography Unit	Each
19	RXA 019	DEXA Machine	Each
20	RXA 020	(A) THERMAL PRINTER - (Quote separately with ten rolls, each roll of 20 meters.)	Each
21	RXA 021	(B) D.V.C.R. (Quote the price separately) IMAGE STORAGE Please mention image storage and re-call frozen image and post processing and measurement of re-called image using 28allipers MENTION THE STORAGE MEDIA.	Each
		<b>Group-B Equipments</b>	
22	RXA 031	Lead rubber gloves Lead equivalent up to 0.5 mm various 200 pairs size of low weight and should be flexible.	Each
23	RXA 032	X- Ray protective apron coat type light weight vinyl lead apron flexible lead equivalent to 0.25 mm to 0.5 mm. ISI Marked IS No. 7620- 1988 & amended up to date.	Each
24	RXA 033	Chest Stand (A) Wall mounted.	Each
25	RXA 034	Lead letter “A” to “Z” and Lead Figure ‘o’ to ‘9’ and L & R set.	Each
26	RXA 035	Fluorescent illuminator to view on a stand 4 film of 14” x 17” LED View Box	Each
27	RXA036	Lead rubber sheet size 1`x3`	Each
28	RXA 037	Film Processing Equipments: 1. Dental hangers and dental clips. 2. Intensifying screens of ultra speed KR-G Rac earth class 100, 170, 200 for size 14”x17”, 12”x15”, 10”x 12”, 8” x10” ISI Marked IS No. 10554-1983 and amended up to date 3. X- Ray protection mobile screen with lead glass window with protection of 1.5 mm lead equivalent size of lead glass for screen to be give with three flank and single flank with lead glass of size 4”x 6” and 8” x 10”.	Each
29	RXA038	Barium enema syringe for air contrast.	Each
30	RXA039	X-RAY FILMS & OTHER ACCESSORIES: Cassettes of the following sizes with Aluminium top and base heavy. Bar type lock light proof lead back aluminium top ISI Marked IS No. 6991: 1985 & amended up to date. Details enclosed as annexure-A below.	Each

**Annexure-A**

RXA- 39 X-RAY FILMS & OTHER ACCESSORIES: Cassettes of the following sizes with Aluminium top and Lbase heavy. Bar type lock light proof lead back aluminium top ISI Marked IS No. 6991: 1985 & amended up to date.

S.No.	Code No.	Name of Item	Strength	Unit
1	RXA051	Blue sensitive polyester base, double emulsion coated X-ray film	Size: 14" x 17"	Pkts of 50 Nos
2	RXA052	Blue sensitive polyester base, double emulsion coated X-ray film	Size: 12" x 15"	Pkts of 50 Nos
3	RXA053	Blue sensitive polyester base, double emulsion coated X-ray film	Size: 10" x 12"	Pkts of 50 Nos
4	RXA054	Blue sensitive polyester base, double emulsion coated X-ray film	Size: 8" x 10"	Pkts of 50 Nos
5	RXA055	Extra Oral Film	6"x10"film (for panoramic) T-mat-E Green sensitive film	Pkts of 50 Nos
6	RXA056	Extra Oral Film	8"x10"film T-mat-E	Pkts of 50 Nos
7	RXA057	LX Intra Oral Occlusal X-Ray Film	Size-4 (57X76mm) EKTA Speed	Pkts of 25 Nos
8	RXA058	Intra Oral Periapical X Ray Film Adult Size-2	Size- 2(3.1X4.1cm) EKTA Speed in Poly soft Packet	Pkts of 150 Nos
9	RXA059	Intra Oral Periapical X Ray Film Adult Size-0	Size- 0(22X35mm) EKTA Speed in Poly soft Packet	Pkts of 100 Nos
10	RXA060	X Ray Developer Liquid	19.5/Lit.	Packet
11	RXA061	X Ray Developer Powder	22.5 gm	Packet
12	RXA062	X Ray Fixer Liquid	19.5/Lit.	Packet
13	RXA063	X Ray Fixer Powder	22.5 gm	Packet
14	RXA064	X Ray film Developer	Powder to make 13.5 Litres	Packet
15	RXA065	X-Ray Film Fixer	Power to make 13.5 Litres	Packet
16	RXA066	Ultrasound Jelly (Gel)	250ml (Plastic bottle)	Bottle
17	RXA067			
18	RXA068			
19	RXA069			

**J. List of Essential Hospital Furniture & Other Hospital Supplies**  
**Section- J, Code no.- HFS**

Sr. No.	Code No.	Name of the item with full specification	Packing unit
	<b>HFS</b>	<b>Group-A Equipments</b>	
1	HFS 001	ICU Bed (motorized)	Each
2	HFS 002	ICU Bed (semi motorized)	Each

		<b>Group-B Equipments</b>	
3	HFS 011	Fowlers Bed	Each
4	HFS 012	Operation Table Side End Control ISI Marked	Each
5	HFS 013	Stead Bed ISI Marked IS No. 5029-1979 and amended up to date	Each
6	HFS 114	Wheel Chair fix type with arm rest and swinging foot rest	Each
7	HFS 015	Cylinder Trolley	Each
8	HFS 016	Bed Side Locker ISI Marked IS No. 4266-1969 and amended up to date	Each
9	HFS 017	Bed Side Locker with wheel for ICU	Each
10	HFS 018	Receptable Waste	Each
11	HFS 019	Screen Bed Side (3 panels)	Each
12	HFS 020	Stand saline cum irrigator	Each
13	HFS 021	Revolving Stool	Each
14	HFS 022	Table examination ISI Marked IS No. 4787- 1968 and amended up to date	Each
15	HFS 023	Table over bed	Each
16	HFS 024	Trolley for Dressing Drum	Each
17	HFS 025	Trolley for Dressing	Each
18	HFS 026	Trolley for instruments.	Each
19	HFS 027	Trolley for solid linen with plastic bucket.	Each
20	HFS 028	Single Foot step	Each
21	HFS 029	Adjustable bed side table for ICU	Each
22	HFS 030	Stretcher Trolley	Each
23	HFS 031	Cylinder Trolley	Each
24	HFS 032	Monitor Trolley for ICU and O.T.	Each
25	HFS 033	Attendant Bed for Cottage & cubicles.	Each
26	HFS 034	Crash Cart for ICU	Each
27	HFS 035	Medicine Trolley with 4 drawer	Each
28	HFS 036	Ward Lockers with Legs	Each
29	HFS 037	Waiting area chair four seats (Fixed)	Each
30	HFS 038	Dressing Drum	Each
31	HFS 039	Kidney Tray S.S. ISI Marked IS No. 3992-1982 and amended up to date	Each
32	HFS 040	Catheter Tray S.S.	Each
33	HFS 041	Instrument Tray with lead made with thick gauge S.S. sheet ISI Marked IS No. 3993-1982 and amended up to date	Each
34	HFS 042	Basin S.S.	Each
35	HFS 043	Urine Pot Male & Female S.S.10", 12", 14", & 16".	Each
36	HFS 044	Stirrup Pump hand operated ISI Marked IS No. 1971-1982 & amended up to date	Each
37	HFS 045	Micro Glass Slips & Slide with ground polished edges measuring ISI Marked	Each
38	HFS 046	Foam Mattress size 72"X20"X4" with resin cover both ISI Marked IS No. 1741- 1960 and amended up to date	Each
39	HFS 047	Foam Mattress size 72"X36"X4" with resin cover both ISI Marked IS No. 1741- 1960 and amended up to date	Each
40	HFS 048	Foam Mattress size 72"X 36"X 4" with resin cover. ISI Marked IS No. 1741- 1960 and amended up to date.	Each
41	HFS 049	Coir Mattress size 72"X 36"X4" with resin cover ISI Marked IS No. 8391- 1987 and amended up to date.(Medium & firm grade)	Each
42	HFS 050	Sphygmonameter Mercury type ISI Marked IS No. 3390-1988 & amended up to date (BP Instrument)	Each
43	HFS 051	Weighing Machine Portable Personal weighing machine with magnifying mirror capacity 125Kg. Stamping by weight & Measurement Deptt.	Each
44	HFS 052	Baby weighing Machine with removable tray weighing capacity 10 Kg.	Each

**K. List of Essential Family welfare and Planning Instruments**  
**Section –K,Code no. – FWP**

Sr. No.	Code No.	Name of the item with full specification	Packing unit
	<b>FWP</b>	<b>Group-B Equipment</b>	
1	FWP001	Set of Instruments of tubectomy abdominal Having following 01. Knife handle No. 4 02. Mosquito artery forceps Straight. 5" 03. Mosquito artery forceps curved. 5" 04. Mayo's Scissors Straight 6" 05. Curved scissor 6" Both ends Blunt. 06. Dissecting Tooth forceps 1x2 tooth, 6" 07. Dissecting forceps Plain-6" 08. Allis forceps 3x 4 tooth- 6" 09. Forceps Bob cock- 6" 10. Needle Holder 8" 11. Sponge Holding forceps 10" 12. Towel clip cross action 13. Dewers Restrator 1" 14. Needle Straight 1Pkt 15. Needle curved. ( Intentional) R.B. 16. BP Blades ISI Marked 20/22	Each Each Each Each Each Each Each Each Each Each Each Each Each Each Each Each
2	FWP002	Set of Instruments for I.U.C.D. Having following. 1. Sponge Holding forceps 8" 2. Sims vaginal speculum medium 3. Volsellum forceps 10" 4. Uterine sound 5. Scissors sharp Straight 6"	Each Each Each Each Each
3	FWP003	Set of Instruments for vasectomy Having following. 01. Needle Holder 6" 02. Sponge Holding forceps -10" 03. Allis tissue forceps -6" 04. Mosquito Artery forceps curved -5" 05. Mosquito Artery forceps straight - 5" 06. Dissecting forceps tooth 1x2, 6" 07. Scissors Straight 6" 08. Towel clip cross action 09. B.P. Handle No. 4 10. Suture Needle 11. B.P. Blade ISI Marked	Each Each Each Each Each Each Each Each Each Each Each
4	FWP004	Ice bag Medical Rubber, round, 4 O.Z. Capacity	Each
5	FWP005	Hot water bottle Medical Rubber, One sided ribbed, 28X20 cm. 2 Lit. Capacity.	Each
6	FWP006	Apron rubber with eye- lets ( PVC - sheet) (i) .L- 125cms X w- 80cms (ii) .L-110cms X w- 90cms	Each
7	FWP007	Pads for labour Table size 1¼ " ( 8.81cms) Rubber foam with resin cover 72"(±2") x35" (±1")x 1¼ ".	Each
8	FWP008	Basin size as 32cms Dia., 34cms Dia., 40cms Dia., SS	Each
9	FWP009	Tray Stainless Steel with cover for boiling of syringes size 200mm x 150mm.	Each

10	FWP010	Bowles 10cm S.S.	Each
11	FWP011	Hospital rubber clothing sheeting (Mackintosh).	Each
12	FWP012	Anti Decubitus Air Mattresses to prevent Bed Sores	Each
13	FWP013	Anti Decubitus Water Mattresses to prevent Bed Sores.	Each

**L. List of Essential ENT Equipment & Instruments**  
**Section-L, Code no. – ENT**

Sr. No.	Code No.	Name of the item with full specification	Packing unit
	<b>ENT</b>	<b>Group-A Equipments</b>	
1	ENT 001	Cutting Burr/Diamond Burr different size 5 to 6 mm, 400 to 1000 RPM	Each
2	ENT 002	Dental Drill Machine	Each
3	ENT 003	Dental Drill Machine- Hand Piece	Each
4	ENT 004	Operating Microscope	Each
5	ENT 005	ENT Patient Chair	Each
6	ENT 006	<b>Cochlear Implants:</b>	
	(1)	Microdebrider	Each
	(2)	Navigation System	Each
	(3)	Nasal Endoscopes different sizes & degrees	Each
	(4)	Video stroboscope	Each
	(5)	Light Source & Cable	Each
	(6)	Recording System	Each
	(7)	Bronchoscopes of different sizes with prism	Each
	(8)	Bronchoscopic suction and various types	Each
	(9)	Cabitation system	Each
	(10)	Endoscopic Camera (a)	Each
	(11)	Radiofrequency unit	Each
	(12)	Laser (CO <sub>2</sub> )	Each
	(13)	Electrical Saw	Each
	(14)	Harmonic Scalpel	Each
	(15)	Electric Cavtery	Each
	(16)	Nerve Monitor	Each
	(17)	Skeeter	Each
	(18)	BERA	Each
	(19)	ASSR	Each
	(20)	OAE	Each
	(21)	Portable X-ray machine	Each
	(22)	Periostum Elevator	Each
		<b>Group-B Equipments</b>	
7	ENT 016	Laryngoscope- Rigid All sizes	Each
8	ENT 017	Oesophagoscope different sizes	Each
9	ENT 018	St. Clair Thomson Nasal Speculum	Each
10	ENT 019	Killian Nasal Speculum	Each
11	ENT 020	Tilley Nasal Forceps	Each
12	ENT 021	Nasal Snare	Each
13	ENT 022	Luc/s Forceps	Each
14	ENT 023	Freer Elevator D/E	Each
15	ENT 024	Chisel	Each
16	ENT 025	Gauge Killian	Each
17	ENT 026	Ballenger Knife	Each
18	ENT 027	Turbinectomy Scissors	Each

19	ENT 028	Ant rum Trocar Cannula	Each
20	ENT 029	Hammer 20mm	Each
21	ENT 030	FO head band	Each
22	ENT 031	Mouth gag D.B. with 5 blades	Each
23	ENT 032	D.B. Tonsil Holding forceps	Each
24	ENT 033	Negus Tonsil Holding forceps	Each
25	ENT 034	Tonsil Dissector & Pillar Retractor	Each
26	ENT 035	Forceps wough Dissecting 7"	Each
27	ENT 036	Metzenbaum Scissor 7"	Each
28	ENT 037	Tonsil Snare	Each
29	ENT 038	Needle Tonsil Irwin Moore Rt/Lt (Any type)	Each
30	ENT 039	Pusher/Knot tier	Each
31	ENT 040	Adenoid Curetter W/D cage	Each
32	ENT 041	Adenoid curetter with cage	Each
33	ENT 042	Yankaur Suction Cannual	Each
34	ENT 043	Tracheotomy Tube M	Each
35	ENT 044	Draffin Bipods	Each
36	ENT 045	Quinsy Forceps	Each
37	ENT 046	Draffin Bipods.	Each
38	ENT 047	Quinsy Forceps	Each
39	ENT 048	Killan Nasal Speculum	Each
40	ENT 049	Affright Retractor 4 mm	Each
41	ENT 050	Affright Retractor 6 mm	Each
42	ENT 051	Alae Retractor	Each
43	ENT 052	Skin Hook	Each
44	ENT 053	Joseph Knife	Each
45	ENT 054	Elevator D/E	Each
46	ENT 055	Adson Forceps	Each
47	ENT 056	Fine Scissor	Each
48	ENT 057	Chisel Cattle Graduated	Each
49	ENT 058	Osteotome Walter	Each
50	ENT 059	Gauge Walter	Each
51	ENT 060	Saw Nasal	Each
52	ENT 061	Rasp. Nasal	Each
53	ENT 062	Walsham Forceps	Each
54	ENT 063	Asch Forceps	Each
55	ENT 064	Ear Speculum Black Set of 4	Each
56	ENT 065	Sickle Knife	Each
57	ENT 066	Round Knife	Each
58	ENT 067	Knife D/E	Each
59	ENT 068	Pick Str/Cvd. (Any Type)	Each
60	ENT 069	Ball Probe	Each
61	ENT 070	Piston Depth Gauge	Each
62	ENT 071	Teflon Piston Cutting Zip	Each
63	ENT 072	Curette S/E	Each
64	ENT 073	Cu/Piston Holding/serrated forceps	Each
65	ENT 074	Scissors	Each
66	ENT 075	Milieus Nipper	Each
67	ENT 076	Grommet Applicator	Each
68	ENT 077	Micro Suction Tip set	Each
69	ENT 078	Adapter for above	Each
70	ENT 079	Artery forceps – different sizes and types	Each
71	ENT 080	Gigli saw	Each
72	ENT 081	Needle holders different sizes	Each
73	ENT 082	Suture cutting summon	Each
74	ENT 083	Indirect laryngoscope mirror	Each
75	ENT 084	Tongue depressor	Each
76	ENT 085	Farabual Periosteal elevator	Each

77	ENT 086	Graft spreader	Each
78	ENT 087	<b>Cochlear Implants:</b>	
	(1)	Microdebrider Blade – different types	Each
	(2)	Microdebrider Burrs	Each
	(3)	Fibre optic laryngoscope	Each
	(4)	Rigid Telearlaryngoscope	Each
	(5)	Foreign body removal forceps	Each
	(6)	Burrs – tungsten Carbide – cutting and diamond different sizes	Each
	(7)	Periosteum elevator	Each
	(8)	Blakesley forceps	Each
	(9)	Blakesley forceps different size and angles	Each
	(10)	Syringe Cannula	Each
	(11)	Freer’s Suction Elevator	Each
	(12)	Kerrison’s punch – all sizes	Each
	(13)	Stapes piston- various types and sizes	Each
	(14)	Giraffe Forceps	Each
	15)	TORP	Each
	(16)	PORP	Each

**M. List of Essential General Items & Hospital Supplies**  
**Section – M, Code no. – GIS**

Sr. No.	Code No.	Name of the item with full specification	Packing unit
	<b>GIS</b>	<b>Group-A Equipment</b>	
1	GIS 001	DG Sets 10,15,25,35,50,62.5,100,125 KVA	Each
2	GIS 002	Base Ambulances./Ambulances 108	Each
3	GIS 003	Medical Mobile Units. (MMU’s)	Each
4	GIS 004	Dental Ambulance	Each
5	GIS 005	Freezes (Various Sizes)	Each
6	GIS 006	Stabilizer	Each
7	GIS 007	UPS (Inverter - cum- ups)	Each
8	GIS 008	AC Split type (1.0, 1.5, 2.0, 2.5, 3.0 tonnes)	Each
9	GIS 009	AC Window type (1.0, 1.5, 2.0, 2.5, 3.0 tonnes)	Each
10	GIS 010	Mechanised Laundry Machine for Hospitals	Each
11	GIS011	Fogging machine	Each
12	GIS 012	Vacuum Cleaner (Wet& Dry)	Each
13	GIS013	Walk in Cooler (8X6 Ft)	Each
		<b>Group-B Equipment</b>	
Each 14	GIS 021	Bio Medical Waste Management Items	
	(1)	Plastic Sharps Bins (for Disinfection)	Each
	(2)	Plastic Bins for Four Colours (Red, Blue, Yellow, and Black) 25 ltr./15 ltr.	Each
	(3)	Plastic Bag for Four Colours (Red, Blue, Yellow, and Black) 25 ltr./15 ltr.	Each
	(4)	Wheel Barrow (For Transport of Bio Medical Waste)	Each
	(5)	Sodium Hypochlorite Solution 4% ISI Marked	Each
	(6)	Rubber Slippers	Each
	(7)	Mechanical needle cutter	Each
	(8)	Biomedical Waste Collection Plastic Bags Size (24”* 28”) 30 Ltr.	Each
	(9)	Puncture Proof Translucent Container (5 ltr.)	Each
	(10)	Thick Hand Gloves	Each
	(11)	Rubber boots	Each
	(12)	Wheel Barrow	Each

15	GIS 022	Gauge and bandage	Each
16	GIS 023	Asha Kit and other kit	Each
17	GIS024	District Drug Warehouse Items	
	(1)	Heavy duty Racks (14 ft.)	Each
	(2)	Heavy duty Racks (8 ft.)	Each
	(3)	Pallets (2/rack)	Each
	(4)	hand Pallet Trucks	Each
	(5)	Hydraulic Lift	Each
	(6)	Fire Extinguisher (a) Power type, (b) Water type	Each
	(7)	Vacuum Cleaner (Dry and Wet)	Each
	(8)	Luggage Carrier Trolley	Each
	(9)	Cleaning Trolley and Cleaning Equipment	Each
	(10)	Digital Thermometer (Temp. + Humidity)	Each
	(11)	Dehumidifier	Each
18	GIS 025	Furniture	
	(1)	Chair	Each
	(2)	Table, (Wooden / steel )	Each
	(3)	Side Racks	Each
	(4)	Cupboard (Almirah)	Each
	(5)	Open Steel Cupboard (Adjustable)	Each
19	GIS026	Computer and other Accessories.	Each
20	GIS027	Ceiling Fan	Each
21	GIS028	Combo Machines (Photo Copier, Networking, Printer &Scanner)	Each

**Note:**

1. The above section wise list of essential equipments and instruments is prepared and catalogued/coded based on past experience of purchase requirement of Medical Institutions.
2. The equipments of Group-A require annual maintenance & repair services and the group-B instruments do not require annual maintenance.
3. The Deletion or Addition of items may be suggested from the catalogued items.
4. The demands shall be submitted with code number of items.
5. The firm should have its own manufacturing plant and should have its own quality control and research laboratory.
6. The equipment should be US FDA/ISO 9001-2008/E-CE certified with certificate no. etc.
7. After installation the firm should provide detail technical, manual and facility for interfacing with E-Parikshan software (DICOM compatibility with serial/USB port for online reporting & data storage etc.)
8. The manufacturer should have service engineer locally based in zonal head quarter of Rajasthan.
9. The list of engineer working in Rajasthan with their appointment proof and contact no. and address should be provided.
10. The equipment should be pest proof.
11. Bidder should submit original literature/broacher of Quoted Model, Technical compliance detail & should clearly demonstrate having any deviation between technical specifications & broacher/literature of the quoted model.

## **EQUIPMENT PROCUREMENT POLICY AND PROCEDURE:**

The government of Rajasthan had constituted Rajasthan Medical Services Corporation Limited, Jaipur by passing a Cabinet Memo in March, 2011 with the objective to procure and manage the drugs & medicines and equipment & instruments at fair and reasonable prices for all the Govt. Medical Institutions. An equipment procurement and maintenance (EPM) cell has been established in RMSC, Jaipur under the overall supervision of Executive Director (EPM) for procurement & maintenance of equipment & instruments, medical and non-medical consumables & other hospital supplies. The purchase policy and procedure for equipment & instruments and other hospital supplies shall be as follows:-

- i. Rajasthan Medical Services Corporation shall procure equipment & instruments, hospital supplies, reagents & spares and execute AMC/CMC through open competitive bidding following the provisions of Rajasthan Transparency in Public Procurement Act, 2012 and Rajasthan Public Procurement Rules for carrying out the provisions of this Act. The bidding shall be through <https://eproc.rajasthan.govt.in> e-procurement portal of Govt. of Rajasthan. The procedure is being laid out in procurement manual of corporation for executing rate contracts.
- ii. The EPM-cell prepared a essential equipment and other hospital supplies list and get examined and approved from the Technical Advisory Committee (T.A.C.). The Essential Equipment List (EEL) may be reviewed frequently to meet the requirement of medical institutions. It may be revised from time to time by RMSC with the consultation of users & T.A.C.
- iii. RMSC shall invite tenders based on the demand estimates for making regular rate contracts for various required items to manage the timely and uninterrupted supply of equipments and other hospital supplies to Medical institutions. The HOD [Director, (PH) and OSD (ME)] shall submit consolidated annual demand for all the medical institutions to RMSC in the prescribed format.
- iv. The demanding officers should submit their annual demand for the EEL equipments and with prior approval of PHS for the non-EEL (non-catalogued/coded) item/article along with specifications.
- v. The medical institutions shall transfer their funds for procurement of required items to RMSC along with their demands. However, in certain specific cases MD, RMSC may authorise medical institution to place orders for supplies on RMSC Rate Contracts.
- vi. RMSC may procure items through rate contract of D.G. S & D., if the items fulfil the specification and such purchase shall also be examined by the purchase committee before placement of the supply order. RMSC may also procure from unique/single sources or particular reserved items without tenders as allowed in GF&AR-II/Rajasthan Public Procurement Rules of Govt. of Rajasthan. BOD had also decided that HOD's may purchase items directly on DGS&D rate contract if specifications of

an item are as per their requirements. However, RMSC may also purchase items on DGS&D rate contract for its own requirements.

- vii. There shall be Technical Committee (TC) for preparation and examination of technical specification of item/article and examination of technical issues for pre-bid meeting and technical evaluation.
- viii. The medical equipments & instruments are classified in 13 speciality Sections. List of classification and item wise details enclosed. Each section is grouped into A and B categories. Group-A include those equipments which require repair, maintenance and serviceability period of more than 2 years but no maintenance services required for Group-B instruments.
- ix. The EPM-cell shall also procure and manage the hospital furniture and fixtures on regular basis, normally; the supplies would be arranged directly to Medicals Institutions. However, very common and regular items may be supplied through District Drug Warehouses (DDW)
- x. In conformity with the Government policy, purchase preference up to 15% to SSI units of Rajasthan shall be given, if they match the L-1 rates. Purchase preference up to 10% shall also be given to P.S.U.'s of Rajasthan State subject to matching the L-1 rates. Minimum turnover, technical, financial & other criteria of bidders will be decided by the purchase committee of RMSC.
- xi. The payments of all the procurements shall be made centrally through RTGS or any other mode of payments. The remittance charges shall be borne by the supplier. The demanding officers may be authorised specifically by MD, RMSC to place supply orders.
- xii. The RMSC shall also provide for maintenance of equipment & instruments in the procurement mechanism. The Annual/Comprehensive Maintenance Agreement shall be the part of the rate Contract for Group - A equipments, if technical committee advises necessity of maintenance of the equipments.
- xiii. The quality and performance standards shall be observed in procurement of item/article through sampling, inspection, demonstration and testing etc. The required provisions shall be provided in tender Terms & Conditions. The manufacturing premises of the bidders participating in the RMSC tenders may be inspected for the compliance of Good Manufacturing Practices, Good Laboratory Practices and for verification of their production capacity etc. The inspection team may comprise of officials from Corporation and end-user departments.
- xiv. The RMSC will charge 5% service charges on the basic cost of an item and the issue price of items/articles will be fixed for issuance of Utilisation Certificates.
- xv. All the HOD or their subordinate offices referred in Cabinet memo dated 31.03.2011 are required to obtain non-availability certificate (N.A.C) from RMSC before making procurement of EEL items.

**Format for Demand Indent of Equipments and Instruments and Other Hospital Supplies from  
RMSC for the year 2013-14**

**A. List of Essential General Surgery and other hospital supplies  
Section –A, Code no. – GSI**

Sr. No.	Code No.	Name of the item with full specification	Packing unit	Annual Demand in nos.
	<b>GSI</b>	<b>Group-A Equipments</b>		
1	GSI 001	Intermittent Pneumatic Compression system as a Mechanical Prophylaxis for DVT & PE	Each	
2	GSI 002	Vessel Sealing System With Bipolar Plasma Resection	Each	
3	GSI 003	Operating Laparoscope Set With Co2 Insufflator & Cold Light Source	Each	
		<b>Group-B Equipments</b>		
4	GSI 011	Artery forceps criles curved on flat box joint 5", 6", 7", 8", 12" & 15"	15 each	
5	GSI 012	Artery forceps kocher's curved on flat box joint 160mm and 200mm	15 each	
6	GSI 013	Dissecting Forceps, Toothed Size- 10, 12, 15 & 18cms.	5 each	
7	GSI 014	Non Tooth Cushing pattern size 5", 6", 7" & 8".	5 each	
8	GSI 015	Rectal Grasping & Biopsy Forceps	2	
9	GSI 016	Anal Retractors Self Retaining	2	
10	GSI 017	Lloyd danis Rectal Clamp	2	
11	GSI 018	Sponge Holding forceps foerster's Pattern 6", 8" & 10".	5 each	
12	GSI 019	Sterilizer Forceps Cheatle's Pattern 10"	2	
13	GSI 020	Allis Tissue Holding Forceps Size 12, 15, 19,20,25cms.	10 each	
14	GSI 021	Babcook's Tissue Holding Forceps size 16, 18,20,24cms	2 each	
15	GSI 022	Gall Stone Forceps Desjardine's Pattern Size 21, 23 cms.	1 each	
16	GSI 023	Spence well's pattern Straight/Curved size ,15.5 , 18 & 20cms.	5 each	
17	GSI 024	Kochar's Pattern Straight/Curved size : 16,20 & 26	5 each	
18	GSI 025	Halsted's Pattern Mosquito Straight/Curved Size 4" & 5"	5 each	
19	GSI 026	Robert's Pattern artery forceps size 22cms.	5 each	
20	GSI 027	Bulldog's Vascular clamps- Straight/Curved size: 7.5, 8.5,10cms.	2 each	
21	GSI 028	Cystotechotomy forceps bile duct dilators Set of 9, 6" & 8"	1 each	
22	GSI 029	Self Retaining Mouth Gauge with Tongue Blades	1 each	
23	GSI 030	Pyelolethotomy forceps	1 each	
24	GSI 031	Sinus forceps LISTER's Straight bos joint 6" (15.24cms)	2	
25	GSI 032	Sterilizer forceps for bowls etc HARRISON with bow handle screw joint 16' (40.64 cms).	1 each	
26	GSI 033	<i>Setensky's Vascular Clamp</i>	2	
27	GSI 034	Needle Holder Hegar's Pattern 5",6",7",8" & 9"	5 each	
28	GSI 035	Scissors straight with blunt point 5" (12.70cms), 6", 7", 8", 10" S.S	5each	
29	GSI 036	Scissors (Tailor) for cutting gauze & Bandage.	2	
30	GSI 037	Scissors smiths Pattern S.S Size : 16,18,20 & 23	1 each	
31	GSI 038	Scissors Listser Pattern S.S. Size : 18 cms	2	
32	GSI 039	Scissors Dissecting curved on flat pattern S.S. 5"	2	
33	GSI 040	Scissors curved on Flat S.S 6"	2	
34	GSI 041	Dissecting Mayo's Pattern straight/Curved S.S. Size :15,18,&20 cm.	2 each	
35	GSI 042	Dissecting Metzbaum's Straight/Curved S.S Size : 14.5,15,16,21 cm.	5 each	
36	GSI 043	Bard Parker Pattern Handle S.S No. 3,4,7	5 each	
37	GSI 044	Bard Parker Pattern Blade : Size 10, 11,,15,20,21,22,23,& 24 ISI Marked IS No. 3319- 1995 and amended up to date	50 each	

38	GSI 045	Skin Grafting Knife Handle with Blade S.S size 30cms. (Hamfe's)	1	
39	GSI 046	Bougles Lister & cluton's Pattern Dilators method Set of 12 & 15	1 each	
40	GSI 047	Introducer for catheters size 46cms.	1	
41	GSI 048	Anal dilators N0 1 to 5	2	
42	GSI 049	Mallealde (Fistula) Probe	5	
43	GSI 050	Proctoscope Adult, Child & Infant	1 for adult	
44	GSI 051	Skin Retractor right angle - small, medium & large	5 each	
45	GSI 052	Devers Pattern Retractor with Blade size 18cmx19mm, 21.5cms x 22mm, 30cm x 25mm, 33cm. X 25mm, 35cm x 38mm	2 each	
46	GSI 053	Retractor Balfour's self retaining with adjustable counter blade S.S.	2	
47	GSI 054	Kelly's Retractor	2	
48	GSI 055	Morris Retractor	2	
49	GSI 056	S. Retractors	2	
50	GSI 057	Malleable Retractor Curved	2	
51	GSI 058	Intestinal clamps- Crushing :- Straight & Curved, Size : 5", 6.5", 8", 9" & 10"	2 each	
52	GSI 059	Intestinal clamps Non- Crushing :- Straight Size : Size : 5", 6.5", 8", 9" & 10" & Curved	2 each	
53	GSI 060	Clamp Kochers Pattern Straigh & Curved Size: 22,25 & 28cms.	2 each	
54	GSI 061	Mayo's Towel Clip 5" & 6"	10 each	
55	GSI 062	Punch Biopsy Forcep 7".	2	
56	GSI 063	Cryo Surgical Unit with Hemorrhoid General Purpose Probe round and Double side Flat	1	
57	GSI 064	Adult & Child Tongue depressor S.S	2 each	
58	GSI 065	Tongue holding forceps 165mm	2	
59	GSI 066	Skin staplers (Stainless Steel ) of various sizes:	100	
60	GSI 067	Formalin Chamber 20" (Three Tray)	2	
61	GSI 068	LAPAROTOMY SET	1	
62	GSI 069	G I Stapler Straight & Circular Linear stappler varius sizes- 30,45,60mm-	10	
63	GSI 070	Laparoscopic Mesh Fixation device (Tacker)	20	
64	GSI 071	Laparoscopic Linear cutter 30, 45, 60mm-	10 each	
65	GSI 072	Laparoscopic Linear cutter Cartridge-	100	

**B. List of Essential Equipments & Instruments for Gynaecology**  
**Section –B, Code no. – GYN**

Sr. No.	Code No.	Name of the item with full specification	Packing unit	Annual Demand in nos.
	<b>GYN</b>	<b>Group-A Equipments</b>		
1	GYN001	Foot Operated Suction Machine with vertical Heavy Pump	2 each	
2	GYN 002	Instrument Sterilizer	2 each	
		Cryo Surgical Unit	2 each	
3	GYN 003	Obstetric Lab our Table Telescopic (Fixed Height) with Mattresses	2 each	
4	GYN 004	Heat Warmer LED/Halogen type :	2 each	
5	GYN 005	Phototherapy source unit with infant care trolley :	2 each	
6	GYN 006	Foetal Monitor Continuous monitoring of FHR, Toco and Maternally	2 each	
7	GYN 007	Ultrasonic Foetal Heart Monitor transducer. Handy and attractive Cabinet	2 each	
8	GYN 008	Ultrasonic Foetal Heart Monitor display of FHR for continuous monitoring	2 each	
9	GYN 009	Single Puncture Laparoscope for Laparoscopic Sterilization with CO2 Insufflators and Cold Light Source	2 each	
10	GYN 010	Electro Surgical Unit 250 Watt	2 each	
11	GYN 011	Haemoglobin meter:	2 each	

12	GYN 012	MVA syringe with accessories.	2 each	
13	GYN 013	Electro Surgical Unit 100 Watt	2 each	
14	GYN 014	Argon Plasma Coagulator	2 each	
15	GYN 015	Colpo-Micro Hysteroscope	1	
16	GYN 016	Laparoscope set for Training with C O2 Insufflators	1	
17	GYN 017	Ultrasonic Cutting and Coagulating Device for Open & Laparoscopic Surgery	1	
18	GYN 018	MTP Suction apparatus electrically operated	2 each	
19	GYN 019	Suction apparatus double bottle manually operated	2 each	
		<b>Group-B Equipments</b>		
20	GYN 031	Uterine Curettes Sims sharp & Blunt S.S. 10½ (26.25 cm.) size- 6mm, 8mm, 9mm, & 11mm.	2 each	
21	GYN 032	Vaginal speculum, Cusco Pattern solid blades and folding handles and chromium Plated Large, Medium, Small.	2 each	
22	GYN 033	Uterine Sims speculum double Blade, ``Duck bill 1/8", 1.5/16" Large	2 each	
23	GYN 034	Uterine Sims speculum double Blade medium	2 each	
24	GYN 035	Uterine Depressor Sims 27cms & 33cms.	2 each	
25	GYN 036	Uterine Dilator Hager's set of 13 from 2mm to 13mm in heavy in weight	2 each	
26	GYN 037	Uterine Dilator Hager's double ended set of 8heavy weight	2 each	
27	GYN 038	Episiotomy Scissor.	2 each	
28	GYN 039	Vallsellum Forceps 9" & 10"	2 each	
29	GYN 040	Vento use (Vacuum Extractor) Silicon Small, Medium & Large	2 each	
30	GYN 041	Perforator	2 each	
31	GYN 042	Decapitation Hook 325 mm.	2 each	
32	GYN 043	Uterine Clamps	2 each	
33	GYN 044	Craniotomy Forceps.	2 each	
34	GYN 045	Green Army age Forceps 8" & 9"	2 each	
35	GYN 046	Chital Forceps Jar S.S. Grade 304/18/8 Size 5" & 7"	2 each	
36	GYN 047	Endometrial Uterine Biopsy curette.	2 each	
37	GYN 048	Cervical Biopsy Punch forceps medium size	2 each	
38	GYN 049	D&C Set	2 each	
39	GYN 050	MTP Suction cannulas Plastic Disposable Size : 6,8,10,12 Nos.	2 each	
40	GYN 051	Catheter Rubber 16 No.	2 each	
41	GYN 052	Instruments of LSCS sets	2 each	
42	GYN 053	Curette, Endometrial Biopsy, Suction Type.	2 each	
43	GYN 054	Hysterical pingography Leich Wilkinson Cannula, Intra- uterine	2 each	
44	GYN 055	Menstrual regulation syringe	2 each	
45	GYN 056	Catheters Metal Female	2 each	
46	GYN 057	Bladder sound.	2 each	
47	GYN 058	Delivery Set	2 each	
48	GYN 059	Umbilical cord clamps Disposable	2 each	
49	GYN 060	Plastic Aprons	2 each	
50	GYN 061	SS Steel bucket	2 each	
51	GYN 062	Basin steel 36cm. With stand and wheels	2 each	
52	GYN 063	Oxygen hood	2 each	
53	GYN064	Aseptic labour and neonate kit	--	

**C. List of Essential Equipment Anaesthetic and Operation Theatre  
Section-C, Code no. – AOT**

Sr. No.	Code No.	Name of the item with full specification	Packing unit	Annual Demand in nos.
	AOT	<b>Group-A Equipment</b>		
1	AOT001	Non Hydraulic Operation Table	Each	

2	AOT002	Hydraulic Operation Table ISI Marked	Each	
3	AOT003	Portable Monitor High resolution glare-free Screen Size	Each	
4	AOT 004	Pulse Oximeter	Each	
5	AOT 005	Syringe Infusion Pump	Each	
6	AOT 006	O.T. Light Single Dome	Each	
7	AOT 007	O.T. Light Double Dome	Each	
8	AOT 008	Spot Light	Each	
9	AOT 009	Multi Para Monitor	Each	
10	AOT 010	Vertical autoclave single drum	Each	
11	AOT 011	Vertical autoclave double drum	Each	
12	AOT 012	Cardiac Monitor With Defibrillator	Each	
13	AOT 013	Electro Surgical Unit 400 Watt	Each	
14	AOT 014	Anaesthesia Machine ISI Marked, IS : 11378: 2002 and amended up to date.	Each	
15	AOT 015	Ultra-Sonic Cleaner System	Each	
16	AOT 016	Oxygen regulator	Each	
17	AOT 017	Bulk conversion unit for oxygen	Each	
18	AOT 018	Bulk conversion unit for nitrous oxide	Each	
19	AOT 019	Temperature, Pressure & Flow compensated anaesthesia vaporizer Halothane/Isoflurane. (Quote Separate Rates for HALOTHANE/ ISOFLURANE Vaporizer )	Each	
20	AOT 020	Medical Oxygen Cylinder with valve 20CFT ISI Marked IS No. 7285-1988 and amended up to date/ <b>ISO 9809</b> (A- Type Medical Oxygen Cylinder ISI Marked) :	Each	
21	AOT 021	Medical Oxygen Cylinder with valve 40CFT ISI Marked IS No. 7285-1988 and amended up to date / <b>ISO 9809</b> (B-type Medical Oxygen Cylinder ISI Marked)	Each	
22	AOT 022	Medical Oxygen Cylinder with valve 220CFT ISI Marked IS No. 7285-1988 and amended up to date/ <b>ISO 9809</b> (Big Size Medical Oxygen Cylinder ISI Marked)	Each	
23	AOT 023	Nitrous Oxide Cylinder with valve 5Ltr. Water capacity ISI Marked IS No. 7285-1988 and amended up to date/ <b>ISO 9809</b> (A-type Nitrous Oxide Cylinder ISI Marked)	Each	
24	AOT 024	Nitrous Oxide Cylinder with valve 10.2Ltr. Water capacity ISI Marked IS No. 7285-1988 and amended up to date/ <b>ISO 9809</b> (B-type Nitrous Oxide Cylinder ISI Marked )	Each	
25	AOT 025	Nitrous Oxide Cylinder with valve 46.7Ltr. Water capacity ISI Marked IS No. 7285-1988 and amended up to date/ <b>ISO 9809</b> (D-type Nitrous Oxide Cylinder ISI Marked )	Each	
26	AOT 026	USG machine for Nerve Blocks	Each	
27	AOT 027	Fiberoptic Laryngoscope (closed suction system)	Each	
28	AOT 028	Peripheral Nerve Stimulator with mapping pen	Each	
29	AOT 029	Neuro Muscular Block Monitor	Each	
		<b>Group-B Equipment</b>		
30	AOT 041	Adult laryngoscope with handle and blade (Mackintosh type) S.S. Size : 1,2,3 & 4	Each	
31	AOT 042	Paed. laryngoscope with handle and blade (Miller type) S.S. Size: 0 & 1	Each	
32	AOT 043	Laryngoscope blade S.S. size : 0 to 5	Each	
33	AOT 044	Endo tracheal Tube Disposable Size Plain 2 to 10 Size Cuffed 3 to 10	Each	
34	AOT 045	Anaesthesia Face Mask antistatic rubber size 2,3,4 & 5	Each	
35	AOT 046	Face Mask PVC transparent Size Adult & Paediatric.	Each	

36	AOT 047	Rebreathing reservoir Bag Antistatic rubber. Size 0.5L, 1L, 1.5L & 2 Litres.	Each	
37	AOT 048	High pressure antistatic pressure tubing conforming to ISO colour coding White (O2) & Blue (N2O)	Each	
38	AOT 049	Tracheostomy tube Plain all sizes	Each	
39	AOT 050	Tracheostomy tube Cuff all sizes	Each	
40	AOT 051	Epidural needle, (Touchy) Size: 16 & 18	Each	
41	AOT 052	Adult silicon Resuscitator	Each	
42	AOT 053	Child silicon Resuscitator	Each	
43	AOT 054	Infant silicon Resuscitator	Each	
44	AOT 055	Adult Bain Circuit Complete	Each	
45	AOT 056	Paediatric Jackson Rees Modified T-piece Circuit	Each	
46	AOT 057	Magill Circuit Complete	Each	
47	AOT 058	Magill Forceps	Each	
48	AOT 059	Circle Absorber Capacity (1800 Gm.) double chamber	Each	
49	AOT 060	Chrome Plating Cylinder Key For A type Cylinder For B & D type Cylinder 4 in one	Each	
50	AOT 061	Laryngeal Mask Airway	Each	
51	AOT 062	Incubating Laryngeal Mask Airway	Each	
52	AOT 063	Visualizing Airway	Each	
53	AOT 064	Flexible Airway	Each	
54	AOT 065	Airway with Drain tube	Each	
55	AOT 066	Stelette for endo tracheal tubes set of three.	Each	
56	AOT 067	Percutaneous Tracheostomy Set	Each	
57	AOT 068	Epidural Set (with catheter)	Each	
58	AOT 069	Epidural kit- disposable	Each	
59	AOT 070	Pediatric Epidural kit- disposable	Each	
60	AOT 071	Pediatric spinal needle nos 25 & 27 – disposable	Each	
61	AOT 072	Pediatric patient warming blankets & suit	Each	
62	AOT 073	Pediatric LMA classic & proseal	Each	
63	AOT 074	I gel-airway-all sizes	Each	
64	AOT 075	Insulated needles for peripheral nerve stimulators	Each	
65	AOT 076	Sequential pneumatic compressions device for DVT mechanical prophylaxis	Each	
66	AOT 077	Emergency First Aid Kit	---	

**D. List of Essential Equipment Orthopaedic & Physiotherapy**  
**Section D, Code no. - OPE**

Sr. No.	Code No.	Name of the item with full specification	Packing unit	Annual Demand in nos.
	<b>OPE</b>	<b>Group-A Equipments</b>		
1	OPE001	C-arm with Orthopaedic Table	Each	
2	OPE002	Battery Operated Bone Drill	20 sets	
3	OPE003	Electronic Pneumatic Tourniquet	10 sets	
		<b>Group-B Equipments</b>		
4	OPE 012	Smith - Peterson Osteotome Straight Size: 1/4", 1/2", 5/8", 1", 1 1/4"	10 Each	

5	OPE 013	Hibbs chisels- Straight size : 1/4", 1/2", 3/4", 1", 1 1/4"	1Each	
6	OPE 014	Smith - Peterson Gouges- Size:3/8", 5/8"	5 Each	
7	OPE 015	Hibbs- Gouges size: 1/4", 3/4", 1/2", 1", 1 1/2"	5 Each	
8	OPE 016	Cobb Curette 00, 1,2,3,4,5,&6	20 Each	
9	OPE 017	Plaster Scissors Bohler's 10¼" S.S. Saw.	6	
10	OPE 018	SPICA / FRACTURE table : SS with cushion (detachable)	2	
11	OPE 019	Table Operation Orthopaedic	6	
		General Instruments Sets for Orthopaedic Surgery		
	(1)	S/C Bone Holding Forceps 150MM-2	5 Set	
	(2)	S/C Bone Holding Forceps 190MM-2	5 Set	
	(3)	S/C Bone Holding Forceps 240MM-2	5 Set	
	(4)	Patella Forceps 175MM - 1	10 Set	
	(5)	Reduction Forceps Serr. 140MM-2	5 Pair	
	(6)	Reduction Forceps Serr. 180MM-2	5 Pair	
	(7)	Reduction Forceps Serr. 240MM-2	5 Pair	
	(8)	Reduction Forceps Pointed 140MM-1	5 Pair	
	(9)	Reduction Forceps Pointed 180MM-1	5 Pair	
	(10)	Reduction Forceps Pointed 210MM-1	5 Pair	
	(11)	Bone Nibbler D/A 190MM STR./CVD.-2	5 Pair	
	(12)	Bone Nibbler D/A 225MM STR./CVD.-2	5 Each	
	(13)	Bone Cutting Forceps 190MM STR./CV2	5 Each	
	(14)	Gigli Saw Wire-5	20	
	(15)	Gigli Saw Introducer-1	3	
	(16)	Gigli Saw Handle-1	3 Pair	
	(17)	Periosteum Elevator with Fibre Handle (Diff. Sizes)-5	20	
	(18)	Osteotome STR. SS Handle (5,10,15,20,25mm) (1 Each)-5	5 Each	
	(19)	Osteotome STR.SS Handle (5,10,15,20,25mm) (1 Each)-5	2 Each	
	(20)	Gouge STR SS Handle (5,10,15,20,25mm) (1Each)-5	2 Each	
	(21)	Gouge CVD S.S. Handle (5,10,15,20,25mm) (1 Each)-5	2 Each	
	(22)	Kocher Bone Hook Small/ Medium/ Large (1 Each)-3	3 Each	
	(23)	Volkman Curette D/E S/M/L (1 Each)-1	5 Each	
	(24)	Lane's Bone Lever Medium/ Large (1 Each)-2	2 Pair	
	(25)	Skin Hook one prong-2	3 Pair	
	(26)	Self Retaining Retractor Medium-2	5 Pair	
	(27)	Hofmann's Retractor (Diff. Sizes) 2 Each-8	10 Each	
	(28)	Plate Bender Pair Large-1	2 Pair	
	(29)	Universal Bone Drill with Chuck & key-1	5	
	(30)	Hammer with fibre handle 225 Gms.-1	10	
	(31)	Hammer with fibre handle 450 Gms.-1	10	
	(32)	Esmarch Tourniquet 3"-2	20	
	(33)	Esmarch Tourniquet 4"-2	20	
	(34)	Esmarch Tourniquet 6"-2	20	
	(35)	Small Bending Iron (Pair)-1	2 Pair	
	(36)	Plate Bending Press-1	2	
12	OPE020	K Wire & Steinman Pin Instrument Set	20 Set	
	(1)	Wire Cutter cum Piler-1		
	(2)	Nose Piler cum Wire Bender-1		
	(3)	Wire Holding Forcep-1		
	(4)	Wire Tightner-1		
	(5)	T' Handle with chuck-1		
	(6)	Tip Wire Cutter-1		
	(7)	Implants		
	(8)	K. Wires 1.0,1.5,2.0,2.5mm (10 each)-40		
	(9)	Circle age Wire 1.0mm, 1.2mm (5 each)-10		
	(10)	Steinman pin 3.5,4.5mm (5 each)-10		
13	OPE021	Plaster Cutting Instruments set	3 Set	
	(1)	Lorenz plaster Shears-1		
	(2)	Plaster Cast Spreader-1		

	(3)	Plaster Knife-1		
	(4)	Plaster Saw With Allum. Handle-1		
	(5)	Plaster Cutting Scissors-1		
	(6)	Plaster Bender Small 7"		
	(7)	Plaster Bender Big 10 1/2" - 1		
	(8)	Plaster Cutting Saw- Electric- 1		
14	OPE022	Instruments for Femoral Head	5 Set	
	(1)	Austin Moore Rasp-1		
	(2)	Rasp for Bipolar Prosthesis- 1		
	(3)	Hollow Chisel- 1		
	(4)	Impactor, Nylon Faced-1		
	(5)	Extractor with Two Hooks- 1		
	(6)	Murphy Skid - 1		
	(7)	Spare Hook for Extractor- 1		
	(8)	Judet Extractor- 1		
	(9)	Measuring Gauge for Prosthesis - 1		
	(10)	A.M. Prosthesis (Sterile) 37mm to 47mm (1 Each) - 6		
	(11)	A.M. Prosthesis (Sterile) 49mm to 55mm (1 Each) - 4		
	(12)	Bipolar Prosthesis (Sterile) 39mm to 47mm (1Each)- 5		
	(13)	Bipolar Prosthesis (Sterile) 49mm to 53mm (1Each)- 3		
15	OPE023	Small Fragment Instrument Set	8 Set	
	(1)	Container- 1		
	(2)	Drill Bit Q.C. 2.5mm- 2		
	(3)	Drill Bit Q.C. 3.5mm -2		
	(4)	Small Countersink, Tip 2.0mm -1		
	(5)	Tap Q.C. - 3.5mm x 1.25mm -2		
	(6)	Tap Q.C. - 3.5mm x 1.5mm- 2		
	(7)	T' Handle Q.C.- 1		
	(8)	Double Drill Sleeve 3.5mm/2.5mm- 1		
	(9)	Drill Guide & Drill Sleeve (2mm)- 1		
	(10)	Tap Sleeve/ Drill Sleeve 3.5mm/ 2.7mm-1		
	(11)	DCP Load & Neutral Drill Guide 2.5mm (For 3.5mm Screws)- 1		
	(12)	Hex Screwdriver with fibre handle 2.5A/F- 1		
	(13)	Hex Screwdriver Q.C. 2.5A/F- 1		
	(14)	Depth Gauge for Small Screws Stainless Steel- 1		
	(15)	Sharp Hooks- 1		
	(16)	Screw Forceps-1		
	(17)	Bending Iron For Small Plates- 1		
	(18)	Bending Iron For Small Plates- 1		
	(19)	Bending Iron for Finger Plates -1		
	(20)	Template for contouring plates Small DCP/LCDCP - 5H x 63mm - 1		
	(21)	Template for contouring plates Small DCP/LCDCP - 7H x 87mm - 1		
	(22)	Self Centering Bone Holding Forceps for Small Fragment 190mm- 1		
	(23)	Reduction Forceps with Point 130mm		
	(24)	Reduction Forceps extra Small 140mm - 1		
	(25)	Retractor Short Narrow Tip, Small, Width 6mm - 1		
	(26)	Retractor Short Narrow Tip, Small, Width 8mm - 1		
	(27)	Retractor, Extra Long, for small fragment- 2		
	(28)	Periosteum Elevator, Fibre Handle, curved, Straight Edge, Width 6mm- 1		
	(29)	Clips for Plates- 5		
16	OPE024	Large Fragment Set (OSCO)	5 Set	
	(1)	Container- 1		
	(2)	Drill Bit Q.C. 3.2MM- 3		
	(3)	Drill Bit Q.C. 4.5MM-2		
	(4)	Large Countersink- 1		
	(5)	Tap Handle Q.C. - 1		
	(6)	Tap Q.C. - 4.5mm- 2		

	(7)	Tap Q.C. - 6.5mm- 1		
	(8)	Double Drill Sleeve 4.5mm/ 3.2mm - 1		
	(9)	Insert Drill Sleeve 4.5mm/ 3.2mm - 1		
	(10)	Double Drill Sleeve 6.5mm/ 3.2mm- 1		
	(11)	Hex Screwdriver with fibre handle 3.5A/F- 1		
	(12)	Hex Screwdriver Q.C. 3.5A/F- 1		
	(13)	Depth Gauge for Large Screws Stainless Steel- 1		
	(14)	Sharp Hook- 1		
	(15)	DCP Load & Neutral Drill Guide 3.2mm (For 4.5mm Screws)- 1		
	(16)	Universal Drill Guide for SS LCDCP, 4.5mm- 1		
	(17)	SS LC-DCP Load & Neutral Drill Guide 3.2mm-1		
	(18)	Template for contouring plates Large DCP/LCDCP - 7H x 120mm- 1		
	(19)	Template for contouring plates Large DCP/LCDCP - 9H x 155mm- 1		
	(20)	Template for contouring plates Large DCP/LCDCP - 12H x 210mm- 1		
17	OPE025	External Fixator Set (Tubular)	4 Set	
	(1)	Single Pin Clamp- 15		
	(2)	Double Pin Clamp - 4		
	(3)	Open Clamp- 2		
	(4)	Connecting Clamp - 4		
	(5)	Tube to Tube Clamp- 2		
	(6)	Transverse Clamp- 1		
	(7)	Twin Adjustable Clamp (Straight) - 1		
	(8)	Twin Adjustable Clamp (Curved) - 1		
	(9)	Schanz Screws 4.5mm- 10		
	(10)	Schanz Screws 5.0mm - 10		
	(11)	Schanz Screws 6.5mm - 4		
	(12)	Tubular Rod		
	(13)	2 Rods each of 150,200,250,300,350 & 400mm - 12		
	(14)	Connecting Rod 5.0mm- 4		
	(15)	Triple Trocor 5.0 x 50mm - 1		
	(16)	Triple Trocor 5.0 x 100mm - 1		
	(17)	Spanner 11.0mm - 2		
	(18)	Drill Bit (Extra Long) 3.2/ 3.5/ 4.5mm- 3		
18	OPE026	Instruments for Square Nails & Rush Nail	4 Set	
	(1)	Impactor for Square Nails (in four sizes) - 4		
	(2)	Reamers for Square Nails -		
	(3)	Sizes : 2.0mm, 2.5mm, 3.0mm, 3.5mm - 4		
	(4)	Extractor with Two Hooks- 1		
	(5)	SQ. Nails for Ulna : 2,2.5,3,3.5mm x 18 to 30cm (1 each) -52		
	(6)	SQ. Nails for Radius : 2,2.5,3,3.5mm x 18 to 30cm (1 each) -52		
	(7)	Rush Nails : 2mm x 18 to 30cm (1 each) with 2cm variation- 7		
	(8)	Rush Nails : 2.5mm x 18 to 30cm (1 each) with 2cm variation- 7		
	(9)	Rush Nails : 3mm x 18 to 30cm (1 each) with 2cm variation- 7		
	(10)	Rush Nails : 3.5mm x 20 to 30cm (1 each) with 2cm variation- 6		
	(11)	Rush Nails : 4mm x 20 to 30cm (1 each) with 2cm variation- 6		
	(12)	Rush Nails : 5mm x 20 to 30cm (1 each) with 2cm variation- 6		
	(13)	Rush Nails : 6mm x 20 to 30cm (1 each) with 2cm variation- 6		
19	OPE027	Instruments & Unokabt Set for K. Nails	2 Set	
	(1)	K. Nail Driver- 1		
	(2)	K Nail Extractor with Two Hooks - 1		
	(3)	Spare Hooks for Extractor- 1		
	(4)	Measuring Gauge for K Nails - 1		
	(5)	Diamond Pointed Awl - 1		
	(6)	K. Nail Setting Device- 1		
	(7)	Guide Wire for K. Nails (in four sizes) - 4		

	(8)	K. Nail Reamers Sizes : 8mm, 9mm, 10mm, 11mm, 12mm & 13mm - 6		
	(9)	K. Nails : 8 & 9mm x 36,37,38,39,40,41,42,43,44cm, (1 each) - 18		
	(10)	K. Nails : 10,11 & 12MM x 36,37,38,39,40,41,42,43,55 CM - 27		
20	OPE028	Instrument & Implant set for Dynamic Hip Screw	6 Set	
	(1)	Guide Pin with Threaded End - 6		
	(2)	D.H.S. Angle Guide 135* - 1		
	(3)	Wrench for D.H.S. Screw - 1		
	(4)	D.H.S. Triple Reamer - 1		
	(5)	Impactor - 1		
	(6)	Tap for D.H.S. Screw- 1		
	(7)	Coupling Screw for Plate Insertion - 1		
	(8)	Coupling Screw for Screw Removal - 1		
	(9)	Quick Coupling Handle - 1		
	(10)	Reverse Measuring Device- 1		
	(11)	Centring Sleeve for Tap - 1		
	(12)	Centring Sleeve for Wrench - 1		
	(13)	Container with S.S. Trays - 1		
	(14)	D.C.S. Angle Guide 950- 1		
	(15)	D.C.S. Triple Reamer - 1		
	(16)	Implants		
	(17)	D.H.S. Plate 135* x 4,5,6,7,8 Holes ( 1 Each) - 5		
	(18)	D.C.S. Plate 95* x 5,6,7,8,9,10 Holes (1 Each) - 6		
	(19)	Lag Screw with Compression screw 55mm to 110mm (1 Each)- 12		
21	OPE029	Instruments & Implant Set for Cannulated Screws 4mm & 7mm	4 Set	
	(1)	Large Cannulated Hexagonal Screw Driver - 1		
	(2)	Small Cannulated Hexagonal Screw Driver- 1		
	(3)	Cannulated Tap 7.0 mm- 1		
	(4)	Cannulated Tap 4.0mm - 1		
	(5)	Cannulated Drill Bit 4.5mm - 1		
	(6)	Cannulated Drill Bit 3.2mm - 1		
	(7)	Parallel Wire Guide - 1		
	(8)	Protection Sleeve 4.5mm - 1		
	(9)	Protection Sleeve 3.2mm - 1		
	(10)	Direct Measuring Device - 1		
	(11)	Threaded Guide Wire 1.8mm - 5		
	(12)	Threaded Guide Wire 1.2mm - 5		
	(13)	Container - 1		
	(14)	Cannulated Screw 7mm x 45mm to 110mm (3 Each) -42		
	(15)	Cannulated Screw 4mm x 35mm to 70mm (3 Each) -24		
	(16)	Washer Large - 10		
	(17)	Washer Small - 10		
22	OPE030	Instruments & Implant Set for Ender's Nails	3 Set	
	(1)	Ender's nail 3mm x 20cm to 30cm with 1cm. Variation (2 each) -22		
	(2)	Ender's nail 3.5mm x 20cm to 30cm with 1cm. Variation (2 each) - 22		
	(3)	Ender's nail 4mm x 26cm to 42cm with 1cm. Variation (2 each) -34		
	(4)	Ender's nail 4.5mm x 26cm to 42cm with 1cm. Variation (2 each) - 34		
	(5)	Instruments set for Ender's Nail - 1 Set		
23	OPE031	Screw Set (Small Fragment)	8 Set	
	(1)	Contents :		
	(2)	Cortex Screw 3.5mm - 105		
	(3)	5 Screw each of 10,26,28,30,32,34 & 40mm		
	(4)	10 Screw each of 12,14,16,18,20,22 & 24mm		
	(5)	Cancellous Screws 3.5mm- 28		

	(6)	2 Screws each of 12,14,16,18,20,22 & 24mm		
	(7)	2 Screws each of 26,28,30,35,40,45 & 50mm		
	(8)	Cancellous Screws 4.0mm (Full thread) - 30		
	(9)	2 Screws each of 14,16,18,20,22, 24, 26 & 28mm		
	(10)	2 Screws each of 30,35,40,45, 50, 55 & 60mm		
	(11)	Cancellous Screws 4.0mm (Short thread) - 30		
	(12)	2 Screws each of 14,16,18,20,22, 24, 26 & 28mm		
	(13)	2 Screws each of 30,35,40,45, 50, 55 & 60mm		
	(14)	Washer Large 20		
	(15)	Screws Holding Forceps-1		
	(16)	Container with S.S. Trays-10		
24	OPE032	Screw Set (Large Fragment)	8 Set	
	(1)	4.5mm Cortex Screws - 170		
	(2)	8 Screws each of 14,16,18,20,22,24,26 & 28mm		
	(3)	16 Screws of 30mm		
	(4)	12 Screws each of 32,34,36,38,40mm		
	(5)	6 Screws each of 42,44,46,48,50mm		
	(6)	5 Screws of 60mm		
	(7)	4 Screws each of 64 & 68mm		
	(8)	Malleolar Screws 4.5mm - 18		
	(9)	2 Screws each of 25,30,35,40,45,50,55 & 60mm		
	(10)	1 Screws each of 65 & 70mm		
	(11)	Cancellous Screws 6.5mm (16mm Thread) -34		
	(12)	2 Screws each of 30,35,40,45,50,55,60,65mm		
	(13)	2 Screws each of 70,75,80,85,90,95,100,105 & 110mm		
	(14)	Cancellous Screws 6.5mm (32mm Thread) -28		
	(15)	4 Screws each of 45,50,55 & 60mm		
	(16)	2 Screws each of 65,70,75,80,85 & 90mm		
	(17)	Cancellous Screws 6.5mm (Full Thread) - 28		
	(18)	4 Screws of 25mm		
	(19)	4 Screws each of 30,35 & 40mm		
	(20)	2 Screws each of 45,50,55,60,65 & 70mm		
	(21)	Washers (Large) - 20		
	(22)	Screws Holding Forceps- 1		
	(23)	Container with S.S. Trays - 1		
25	OPE033	Plate set (Small Fragment)	5 Set	
	(1)	One Third Tubular Plate - 10		
	(2)	1 Plate each of 2,3,7 & 8 Holes		
	(3)	2 Plate each of 4,5 & 6 Holes		
	(4)	D.C.P. (Small) -18		
	(5)	4 Plates each of 5,6,7 & 8 Holes		
	(6)	1 Plate each of 9 & 10 Holes		
	(7)	Small "T" Plates 3.5mm -3		
	(8)	1 each of 3,4 & 5 Holes		
	(9)	Small "T" Plates 3.5mm Oblique Angled -3		
	(10)	1 each of 3,4 & 5 Holes		
	(11)	Reconstruction Plate 3.5mm -3		
	(12)	1 Plate each of 5,6 & 8 Holes		
	(13)	Cloverleaf Plate 3.5mm - 3		
	(14)	1 Plate each of 4,6 & 8 Holes		
	(15)	Container with S.S. Trays - 1		
26	OPE034	Plate Set (Large Fragment)	5 Set	
	(1)	Semi Tubular Plate - 8		
	(2)	2 Plate each of 4,5, 6 & 7 Holes		
	(3)	D.C.P. (Narrow) - 12		
	(4)	2 Plates each of 5,6,7,8,9 & 10 Holes		
	(5)	D.C.P. (Broad) - 11		
	(6)	2 Plates each of 6,7,8 & 9 Holes		

	(7)	1 Plate each of 10,12,14 Holes		
	(8)	T' Plates 4.5mm- 5		
	(9)	1 each of 4,5,6,7 & 8 Holes		
	(10)	T' Buttress plate 4.5mm - 5		
	(11)	1 each of 4,5,6,7 & 8 Holes		
	(12)	L' Buttress plate 4.5mm - 6		
	(13)	1 plate each of Left/ Right 4 Holes		
	(14)	1 plate each of Left/ Right 5 Holes		
	(15)	1 plate each of Left/ Right 6 Holes		
	(16)	Container with S.S. Trays		
27	OPE035	Implant & Instrument Set for Inter Locking Nail Humrus	2 Set	
	(1)	HUMRUS NAIL :		
	(2)	DIA, 6MM x 20,22,24,26,28,30 CM. (1 Each) Solid - 6		
	(3)	DIA, 7MM x 20,22,24,26,28,30 CM. (1 Each) Cannulated - 6		
	(4)	DIA, 8MM x 20,22,24,26,28,30 CM. (1 Each) Cannulated - 6		
	(5)	LOCKING BOLTS :		
	(6)	Locking Bolt 2.9MM x 20 to 40MM (2 Each) - 22		
	(7)	Locking Bolt 3.4MM x 20 to 50MM (2 Each) - 32		
	(8)	Locking Bolt 3.9MM x 20 to 50MM (2 Each) - 32		
28	OPE036	Instrument Set for Humrus Interlocking Nails	2 Set	
	(1)	Threaded Bolt with Sleeve - 1		
	(2)	Jig - 1		
	(3)	Compression Device - 1		
	(4)	Extractor Rod - 1		
	(5)	Round Hammer- 1		
	(6)	Protection Sleeve - 1		
	(7)	Drill Sleeve For 3.2 mm Drill- 1		
	(8)	Drill Sleeve For 2.7mm Drill- 1		
	(9)	Pointer- 1		
	(10)	Spanner Ordinary (2 Nos.)- 2		
	(11)	Guide Wire 1.8mm x 30' Long- 1		
	(12)	Screw Driver For 3.5mm Hex - 1		
	(13)	Screw Driver For 4.5mm Hex - 1		
	(14)	S.S. Box with Screw Tray For Nail & Instrument -1		
	(15)	Drill Bits 3.2mm Extra Long 8'-1		
	(16)	Drill Bits 2.7mm Extra Long 8'- 1		
	(17)	Depth Gauge Long - 1		
	(18)	Bone Awl Diamond Pointed - 1		
	(19)	Tissue Protector - 1		
	(20)	Small Hammer -1		
	(21)	Cannulated Reamer - 1		
29	OPE037	Implant & Instrument Set for Inter Locking Nail P.F.N.	4 Set	
	(1)	PROXIMAL FEMORAL NAIL :		
	(2)	Dia. 9MM x 25CM. -2		
	(3)	Dia. 10MM x 25CM. -3		
	(4)	Dia. 11MM x 25CM. - 3		
	(5)	Dia. 12MM x 25CM. - 2		
	(6)	Locking Bolts :		
	(7)	Locking Bolt 4.9MM x 26 to 70 MM - 46		
	(8)	Locking Bolt 6.4MM x 60 to 110 MM - 22		
	(9)	Locking Bolt 8.0MM x 60 to 110 MM - 22		
30	OPE038	Instrument Set for Proximal Femoral Interlocking Nails	4 Set	
	(1)	Threaded Bolt - 1		
	(2)	Small Hammer Unit with Nut - 1		
	(3)	Jig - 1		
	(4)	Extractor Rod - 1		
	(5)	Round Hammer- 1		
	(6)	Protection Sleeve 12mm - 1		

	(7)	Protection Sleeve 10mm -2		
	(8)	Drill Sleeve For 4.0mm Drill -1		
	(9)	Guide Wire Sleeve for 2mm For 12mm Sleeve-1		
	(10)	Guide Wire Sleeve for 2mm For 10mm Sleeve-1		
	(11)	Pointer long- 1		
	(12)	T-Handle (Wrench)-1		
	(13)	Spanner Ordinary (2 Nos.)- 2		
	(14)	C.C. Screw Driver For 5mm Hex Long-1		
	(15)	Guide Wire 2mm x 16" Long- 1		
	(16)	Guide Wire Threaded 2mm x 16" Long- 1		
	(17)	C.C. Drill Bit Long with Q.C. For 8mm Screw- 1		
	(18)	C.C. Drill Bit Long with Q.C. For 6.4mm Screw- 1		
	(19)	C.C. Bone Tap Long with Q.C. For 8mm Screw- 1		
	(20)	C.C. Bone Tap Long with Q.C. For 6.4mm Screw- 1		
	(21)	C.C. Reamer with Q.C. 15mm-1		
	(22)	T Handle For Drill Bit & Tap- 1		
	(23)	Screw Driver For 4.5mm Hex – 1		
	(24)	Guide Wire 3mm x 40' Long- 1		
	(25)	S.S. Box with Screw Tray For Nail & Instrument -1		
	(26)	Drill Bits 4mm Extra Long 10"- 1		
	(27)	Depth Gauge Long - 1		
	(28)	Bone Awl Diamond Pointed - 1		
	(29)	Tissue Protector - 1		
31	OPE039	Implants for Inter Locking Nail Tibia/ Femur Tibia Nail :	10 Set	
	(1)	Dia. 8MM x 28,29,30,31,32,33,34,35,36,37,38 CM - 1 Each		
	(2)	Dia. 9MM x 28,29,30,31,32,33,34,35,36,37,38 CM. - 1 Each		
	(3)	Dia. 10MM x 28,29,30,31,32,33,34,35,36,37,38 CM - 1 Each		
	(4)	Femur Nail :		
	(5)	Dia. 9MM x 34,36,38,40,42,44 CM - 1 Each		
	(6)	Dia. 10MM x 34,36,38,40,42,44 CM. - 1 Each		
	(7)	Dia. 11MM x 34,36,38,40,42,44 CM. - 1 Each		
	(8)	Dia. 12MM x 34,36,38,40,42,44CM - 1 Each		
	(9)	Locking Bolt 3.9MM x 26 to 50MM - 2 Each		
	(10)	Locking Bolt 4.9MM x 26 to 70MM - 2 Each		
32	OPE040	Instrument Set for Tibia/ Femur Interlocking Nail	10 Set	
	(1)	Threaded Bolt - 1		
	(2)	Introducer (Hammer Unit) - 1		
	(3)	Jig - 1		
	(4)	Extractor Rod - 1		
	(5)	Round Hammer - 1		
	(6)	Protection Sleeve - 1		
	(7)	Drill Sleeve For 3.2 mm Drill - 1		
	(8)	Drill Sleeve For 4.0 mm Drill- 1		
	(9)	Pointer - 1		
	(10)	T-Handle (Wrench)-1		
	(12)	Spanner Ordinary (2 Nos.)- 2		
	(13)	Screw Driver For 4.5mm Hex - 1		
	(14)	Guide Wire 2.5mm x 40' Long		
	(15)	Guide Wire 3mm x 40' Long- 1		
	(16)	Guide Wire Bided 3mm x 40' Long		
	(17)	S.S. Box with Screw Tray For Nail & Instrument -1		
	(18)	Drill Bits 3.2mm Extra Long 8'-1		
	(19)	Drill Bits 4mm Extra Long 8'-1		
	(20)	Depth Gauge Long- 1		
	(21)	Bone Awl Diamond Pointed - 1		
	(22)	Tissue Protector - 1		
33	OPE041	<b>Spine</b>	3	

	(1)	Starter Awl, soft Grip	3	
	(2)	Pedical Centraliser	3	
	(3)	Pedical probe Curved	3	
	(4)	Pedical Probe Straight	3	
	(5)	Quick coupling handle Soft grip	3	
	(6)	Quick coupling handle soft grip, short	3	
	(7)	Tap Quick Coupling 4.5 mm	3	
	(8)	Tap Quick Coupling 5.5 mm	3	
	(9)	Tap Quick Coupling 6.5mm	3	
	(10)	Pedical Sound	3	
	(11)	Monoaxil Screw driver	3	
	(12)	Monoaxil Screw manipulator	3	
	(13)	Polyaxil/Reduction Screw Driver	3	
	(14)	Polyaxil/Reduction hexa Screw Driver 2.5mm	3	
	(15)	Inner Screw Inserter	3	
	(16)	Inner Screw Final Tightner Quick Coupling	3	
	(17)	Inner Screw Final Tightner (Pair)	3	
	(18)	Rod Bender	3	
	(19)	Rod Holder	3	
	(20)	Rod Holder Heavy Duty	3	
	(21)	Vise grip	3	
	(22)	Rod Holdere Heavy Duty	3	
	(23)	Vise grip	3	
	(24)	Rod Stabilizer (Anit-Torque)	3	
	(25)	Rod Pusher Straight	3	
	(26)	Rod pusher Curved	3	
	(27)	Rocker	3	
	(28)	Co-Axial Rod Reducer	3	
	(29)	Distractor 6mm	3	
	(30)	Compressor 6mm	3	
	(31)	Pin Cutter 18mm	3	
	(32)	Hook Holder, Sot Grip	3	
	(33)	Hook Pusher, Soft Grip	3	
	(34)	Facet Finder, Soft Grip	3	
	(35)	Supralaminar Locator, Soft Grip	3	
	(36)	Infralaminar Locator, Soft Grip		
	(37)	Inserter for Staple Washer	3	
	(38)	Rod Cutter	2	
34	OPE042	<b>Cervical Palate:</b>		
	(1)	Drill Sleeve Ecentric	3	
	(2)	Drill Sleeve Neutral	3	
	(3)	Cervical Plate Holder	3	
	(4)	Cervical Plate Bender	3	
	(5)	Hex. Screwdriver With self holding sleeve	3	
	(6)	Hex. Screwdriver Without sleeve	3	
	(7)	Holding Sleeve	3	
	(8)	Temporary Stabilizing Pin	3	
	(9)	Quick Coupling Handle	3	
35	OPE043	<b>Laminectomy:</b>		
	(1)	Spinal Roungers various size 2 per set	2	
	(2)	Bone Curette	2	
	(3)	Macdowell's Dissector	2	
	(4)	Durer Elevator	2	
	(5)	Cobbs Elevator	2	
	(6)	Punch Forceps (up-cutting/down-cutting)(small/large ) (45 degree)	2 each	
	(7)	Disc forceps (straight/upward/downward)	2	

	(8)	Nerve root retractor (straight/45 degree/90degree)	2	
36	OPE044	<b>Ilizarov:</b>		
	(1)	Wire Tensionar Dynamic	2	
	(2)	Wire Tensionar Mechanical	2	
	(3)	Open Spanner	6	
	(4)	Round Spanner	6	
	(5)	Coticotome 5mm	2	
	(6)	Coticotome 10 mm	2	
	(7)	Osteotome 5mm	2	
	(8)	Osteotome 10mm	2	
	(9)	T-Handle (for tapered pin)	2	
	(10)	Scale	2	
37	OPE045	<b>Monorail:</b>		
	(1)	T-Handle (for tapered pin)	2	
	(2)	Troccar	2	
	(3)	Coticotome 5mm	2	
	(4)	Coticotome 10mm	2	
	(5)	Osteotome 5mm	2	
	(6)	Osteotome 10mm	2	
	(7)	Allen key	6	
	(8)	Drill Bit Different Sizes		
	(9)	Scale	2	
	(10)	Drill Bit Cannulated	4	
	(11)	Guide Wire	4	
38	OPE046	<b>Locking compression Platess:</b>		
	(1)	Reduction Clamp	10	
	(2)	Bone Holding Forecep small/medium/large (150/190/240mm)	10 each	
	(3)	Plate holding forecep small/medium/large (150/190/240mm)	10 each	
	(4)	Bone Tape 3.5mm, 4.5mm	5 each	
	(5)	Lane Screw Driver	5 each	
	(6)	Hexagonal Screw Driver - 2.5mm, 3.5mm, 4.5mm Tip	5 each	
	(7)	Small Neutral and loaded drill guide 2.5	5	
	(8)	Small Neutral and loaded Drill Guide 3.2 mm	5	
	(9)	Hexagonal Screw Driver with sleeve 2.5 mm tip	5	
	(10)	Counter Sink 6.0mm Head	4	
	(11)	Small Plate Bender	10	
	(12)	Large Plate Bender	10	
	(13)	Small Depth Gauge	10	
	(14)	large Depth Gauge	10	
	(15)	Counter Sink 4.5 mm Screws	4	
	(16)	Quick Coupling Handle for taps	5	
	(17)	Quick Coupling adaptor for Drill bits	5	
	(18)	Drill Sleeve 2.5 mm	5	
	(19)	Drill Sleeve 3.2 mm	5	
	(20)	Drill & Tape Sleeve Combined 2.5mm/3.2mm	5	
	(21)	Drill & Tape Sleeve combined 3.2mm/4.5mm	5	
	(22)	Insert Drill Sleeve 2.5mm	5	
	(23)	Insert Drill Sleeve 3.2 mm	5	
	(24)	Pointed Drill Guide with 4.5 mm tap sleeve & 3.2 mm insert drill sleeve	5	
(25)	Hollow mill for Removal of Broken Screws & Drill bits	3		
39	OPE047	<b>Arthroscopy:</b>		
	(1)	PCL Femoral aimer	2	
	(2)	ACL Elbow aimer	2	
	(3)	PCL Tibial aimer	2	
	(4)	Trocar tip passing pin	2	
	(5)	Cruciate guide wire	2	
	(6)	Flower tip reamer	2	

	(7)	Endoscopic drill	4	
	(8)	Meniscotome	2	
	(9)	Cartilage File	2	
	(10)	Hook probe	2	
	(11)	Curette	2	
	(12)	forceps (mini basket/mini biopsy/grasping)	2 each	
	(13)	Scissors (hook/mini)	2 each	
	(14)	Knife (retrograde/bayonet/banana/scalpel/rosetta/hook)	2each	
	(15)	Tendon stripper	2	
	(16)	Suzing tube	2	
	(17)	Bone tunnel plugs canulated/non-canulated	2	
	(18)	Femoral offset	2	
	(19)	Shaver system	2	
	(20)	pulse lavage system	2	
40	OPE048	<b>Hip prosthesis:</b>		
	(1)	Charnley Self retaining retractor	2	
	(2)	Rasp for Austin moore	2	
	(3)	Rasp for thompson	2	
	(4)	Rasp for biploar	2	
	(5)	Moore hollow chisel	4	
	(6)	Murphy lane bone skid	3	
	(7)	Jugdet auger extractor	3	
	(8)	Hook extractor	3	
	(9)	Measuring Gauge	3	
	(10)	Golden reamer	2	
	(11)	Acetabulum reamer	2	
	(12)	Flexible drill bits	2	
	(13)	flexible screw driver	2	
	(14)	Impactor for stem	2	
	(15)	Neck cutting guide	2	
	(16)	Impactor-nylon faced	2	
41	OPE049	<b>Knee Prosthese:</b>		
	(1)	Perforator	2	
	(2)	Femoral, tibial cutting and patellar zig	3 each	
	(3)	Mallets	2	
	(4)	Pins	2	
	(5)	Bone saw	2	
42	OPE050	<b>Jess:</b>		
	(1)	Spanner 10mm	6	
	(2)	Allen key	6	
43	OPE051	<b>Misc:</b>		
	(1)	Skin Grafting handle - Small	2	
	(2)	Skin Grafting handle - Large	2	
44	OPE052	<b>Herbert Screw set:</b>		
	(1)	Herbert screw zig	2	
	(2)	Sleve (guide/drill)	2	
	(3)	Herbert canulated drill bit	2	
	(4)	Measuring Guage	2	
	(5)	Canulated screw driver	2	
	(6)	Guide wire 1.2 mm	2	
	(7)	Tensile elastic nail system set (Bone awl/T-Handle/harrington cutter)	2 each	

**E. List of Essential Ophthalmology Equipment & Instruments**  
**Section –E, Code no. – OEI**

Sr. No.	Code No.	Name of the item with full specification	Packing unit	Annual Demand in nos.
	<b>OEI</b>	<b>Group-A Equipments</b>		
1	OEI 001	Phacoemulsification Machine	2	
2	OEI 002	YAG Laser	1	
3	OEI 003	Slit Lamp	12	
4	OEI 004	Keratometer	6	
5	OEI 005	A Scan	2	
6	OEI 006	Corneal Topography	1	
7	OEI 007	Electric Bipolar CAUTARY with cutting spray & Bipolar mode at least 400 W (for general surgery use)	2	
8	OEI 008	Cryophthalmic unit providing controlled freezing & defrosting by use of freon or Nitrous oxide as refrigerants unit to be supplied with pencils for cataract Extraction, glaucoma & retinal detachment. Foot switch with two way control for efficient freezing and rapid defrosting	3	
9	OEI 009	Bipolar cautery (wet field)	6	
10	OEI 010	Phoco Emulsi Fication System with Vitrectomy Basic	Each	
11	OEI 011	Clinical Specular Microscope	Each	
12	OEI 012	Autorefractometer	Each	
13	OEI 013	Autorefractometer with Keratometer	Each	
14	OEI 014	Streak Retinoscope	Each	
15	OEI 015	Flash Autoclave	Each	
16	OEI 016	Operating Microscope	Each	
17	OEI 017	Vitrectomy Machine	Each	
18	OEI 018	Corneal Topograph	Each	
19	OEI 019	Optical Coherence Tomography	Each	
		<b>Group-B Equipments</b>		
20	OEI 021	Eye-lid retractor-Des, Marres Pattern solid blades, small, Medium & Large ISI Marked	12 Each (Small Medium Large)	
21	OEI 022	Dilators, Punctum (Wilders Pattern) Infant & Adult	12 Each (Small Medium Large)	
22	OEI 023	Lacrimal Sac Dissector Lang's Pattern ISI Marked	4	
23	OEI 024	Lacrimal rougine	6	
24	OEI 025	Muscle Hook Stevens ISI Marked	12	
25	OEI 026	Iris Repositer-Thin Blade ISI Marked	12	
26	OEI 027	Fixation forceps grafe's Pattern fine toothed S.S. 1:2 & 3:4 ISI Marked	12	
27	OEI 028	Tenotomy Scissors, Stevens curve, Blunt or Straight ISI Marked	12 Each (Small Medium Large)	
28	OEI 029	Enucleation scissor slightly curved or strongly curved S.S. ISI Marked	6	
29	OEI 030	Eye dissecting fine forceps, serrated ISI marked	12	
30	OEI 031	Colour blindness book ishiharas colour testing book	12	
31	OEI 032	Trial set major : In well Polished wooden case with lock & keys spheres as below : Complete spheres in pairs concave & convex viz : 0.25,0.50,0.75,1.0,1.25, 1.50,1.75,2.0,2.25,2.50,2.75, 3.0,3.25, 3.50,4.0,4.50,5.0, 5.50,6.0, 7.0,8.0,9.0,10.0, 11.0,12.0,14.0, 16.0,18.0,20.0 D-Cylinders convex & concave in pairs or 0.25, 0.50 0.75,1.0,1.25,1.50,1.75,2.0,2.25, 2.50,3.0,3.50,4.0,5.0, 6.0, following	10	

		accessories Black Pinholes ft. one red, One green, One crossed cylinder prism 1/2, 1,2,3,4,5,6 prism dioptoes & one Maddox rod.		
32	OEI 033	Distant vision Snellen's chart & near vision (Jaeger chart)	24	
33	OEI 034	Revolving self illuminating testing drums, drum should have English, Hind dots, "E" type letter type on plastic panels with well polished metal frame to be fitted in the wall with worth four dot test, friend test.	12	
34	OEI 035	Trial frame interpupillary distance adjustable for three lenses suitable for adults/Children.	24 Each (Small Medium Large)	
35	OEI 036	Castroviejo knife blade holder & Blade cutter (Breaker)	12	
36	OEI 037	Capsule forceps (Arrugas)	12	
37	OEI 038	Cylinder of freezing gas with dial for reading	3	
38	OEI 039	Cryo pencil (Spare) Washers	6	
39	OEI 040	Maddox wing	3	
40	OEI 041	Artificial Eyes set with different size for right & left eye	12 set	
41	OEI 042	Evisceration spoon small & large	6 Each (Small Medium Large)	
42	OEI 043	Metal lid spatula jeeger	12	
43	OEI 044	Dastours superior rectus forceps S.S.	12	
44	OEI 045	West Boneouge for lacrimalsac	6	
45	OEI 046	Freer Periosteal elevators twin S.S.	6	
46	OEI 047	Ronguer forceps for DCR size 1,2,3 S.S. (Kerri son)	6 Each (Small Medium Large)	
47	OEI 048	Tono meter (Shiotz)	12	
48	OEI 049	Ophthalmoscope specialist model with case and one spare bulbe	12	
49	OEI 050	Ophthalmoscope Spare bulb	24	
50	OEI 051	Streak Retinoscope Dustproof. Single control for vergence and rotation. 3.5 V Halogen Bulb. One Spare bulb. Convertible rechargeable Power handle.	12	
51	OEI 052	Retioncope spare bulbs	24	
52	OEI 053	Binocular loop (Binocular) with plastic Band adjustable/ Binocular magnifier with plastic frame	6	
53	OEI 054	Aqueous chamber irrigation cannulae for fitting in ordinary syringe, (Disposable)	12	
54	OEI 055	Double way A.C. irrigating cannule (Reverse Simcoe)	24	
55	OEI 056	Mosquito Artery forceps (Hartman)	24	
56	OEI 057	Wire speculum for Children 4mm wide blade	24	
57	OEI 058	Wire speculum for Adult	24	
58	OEI 059	Lacrimal sac retractor (Stevenson) Self retaining	12	
59	OEI 060	Lacrimal sac retractor (Knapp) (Blunt)	12	
60	OEI 061	Lacrimal sac protector	12	
61	OEI 062	Muscle hook (Jameson) small & large	12	
62	OEI 063	Lens Expresser & spatulas (Kirby)	12	
63	OEI 064	Corneal scissors S.S. curved Blunt tips, medium blade (Castroviejo) Universal	24	
64	OEI 065	Kerato plasty scissors, universal Blunt Tips, Medium blades curved (Castroviejo)	24	
65	OEI 066	Vanna's scissors long handle extra thin sharp points 10mm, Long Blades	24	
66	OEI 067	Capsulotomy scissors Extra thin long blades	24	
67	OEI 068	Vitreous scissors vertical cut 60° with gauge Gills vannas with Irrigation	12	
68	OEI 069	Tenotomy scissors curved Blunt tips medium Blades, (West cott)	24	
69	OEI 070	Strabismus scissors Blunt tips, Ring, handle straight & curved (Knapp)	12	
70	OEI 071	Needle Holder extra delicate micro jaw short model without lock straight	24	

		7 curved (Barraquer)		
71	OEI 072	Super sharp Blade, Lance tip Blade for side port, 1.5mm. Straight	2000	
72	OEI 073	Tunnel Blade 3mm angle 60 <sup>0</sup> for making tunnels	2000	
73	OEI 074	Slit blade 3mm angle 45 <sup>0</sup> to enter in to anterior chamber	2000	
74	OEI 075	Slit enlarging Blade, Blunt 5mm angle 45 <sup>0</sup> for extension of slit	1000	
75	OEI 076	Bard Parker blade No. 11,15	1000	
76	OEI 077	Chalazion forceps oval, 13mm & 20mm diameter (Desmarras)	12	
77	OEI 078	Lens Expresser & Vectis (Kirby)	12	
78	OEI 079	Lens Expresser and repository (Kirby)	12	
79	OEI 080	Cilia forceps lightly angled, smooth jaws 9Barraquer)	12	
80	OEI 081	Cilia forceps (Beer)	12	
81	OEI 082	Corneal forceps, Castroviejo Colibri/ or Mc Pherson very Delicates 1x2 Teeth 0.12mm with tying plate form straight & curved	24	
82	OEI 083	Suturing forceps Castroviejo 1x2 Teeth tying plate form straight 0.5mm.	24	
83	OEI 084	Suture tying forceps smooth jaws 5mm platform straight Mc Pherson	24	
84	OEI 085	Micro corneal forceps (Hosking) straight fine (Pierce type)	24	
85	OEI 086	Plain forceps with criss cross serrated tips (bishop Harmon)	24	
86	OEI 087	Iris forceps very delicate curved (Colibri)	12	
87	OEI 088	Nasal speculum, Infant child & adult	6 Each	
88	OEI 089	Descement's membrane Punch 1mm diameter tip (Kelly's)	6 Each	
89	OEI 090	Lacrimal trephines with centre pin & without centre Pin	6 Each	
90	OEI 091	Lacrimal chisel straight	6	
91	OEI 092	Lacrimal mallet for DCR	6	
92	OEI 093	Lens manipulators Sinsky type 0.2mm diameter Blunt tip angled round handle	24	
93	OEI 094	Heat cautery coppr-conetype	6	
94	OEI 095	Capsulorhexis forceps very delicate extraeuly thin 11mm long shanks (UTRATA)	24	
95	OEI 096	Lens holding forceps- (Mc Pherson) smooth jws, 5mm long Platform 11mm angled for implanting IOL	24	
96	OEI 097	Ptosis forceps (Berke) with side lock	12	
97	OEI 098	Enteropion forceps (SNELLEN)	12	
98	OEI 099	Mosquito forceps delicate 145mm long curved	24	
99	OEI 100	Bulldog clips- (Serra fine) 1.5" long straight	6	
100	OEI 101	Keratoplasty scissors (Castroviejo angled toside-medium)	24	
101	OEI 102	Iris scissors- Barraquer blunt tips 7mm long blades	24	
102	OEI 103	Eye scissors-standers, pointed tips, curved, ring handle 4.5 long	24	
103	OEI 104	BP handle No. 3 flat	12	
104	OEI 105	Irrigating wire vectis (Simcoe)	12	
105	OEI 106	Bone nibbling Ronguer forceps (kerrison) 9mm opening Size : 1,2,3	12	
106	OEI 107	Lacrimal probe set of 4 sizes 0000 & 000, 00&0, 1&2, 3&4	12	
107	OEI 108	Lacrimal dilator (Castroviejo) double ended fine & medium tapers	12	
108	OEI 109	Lacrimal dilator infant	12	
109	OEI 110	Simcoe cannula S.S. for Irrigation & Aspiration	100	
110	OEI 111	Kerato Plasty knife- Pear shaped (Barraquer)	12 Each (Small Medium Large)	
111	OEI 112	Kerato Plasty spatula (dastoor)	12 Each (Small Medium Large)	
112	OEI 113	Corneal graft stand-brass chrome (Tudor Thomas)	6	
113	OEI 114	Teflon Block for Corneal cutting (Lieberman)	50	
114	OEI 115	Corneal graft holding forceps (Dastoor)	12	
115	OEI 116	Corneal trephine size 5,5.5,6,6.5,7,7.5,8,8.5,9,9.5,10 & 11mm diameter (Castroviejo) 7,7.5, 8, 8.5, 5, 5.5, 6.0, 6.5, 9.0, 9.5, 10, 11mm	100 Each (Small Medium)	

			Large) 20 Each (Small Medium Large)	
116	OEI 117	Calliper (Castroviejo) straight 20mm spread	6	
117	OEI 118	Enucleation spoon	6	
118	OEI 119	Lens dilator (Lewicky) Lens Manupulating Hook	24	
119	OEI 120	Keener-Arlt Small Size. Lens loop for SICS	6	
120	OEI 121	Castro ergo blade breaker & Holder	24	
121	OEI 122	<b>Trial set</b> Lenses having power from + 0.25d To +25 D Sphare. Cylindrical Lenses from +0.25 to + 6 D. Should have aluminium rims. Wooden Box (Illuminated) with Accessories. A. Good Quality Trial Frame. B. IPD Scale. C. Red Glass Green Glass, Occluder, Pin Hole, Stenopic Slit. Maddox Rod.	12	
122	OEI 123	<b>Snellen's Distance visual Acuity Chart.</b> 1. Visual Chart Drum containing English, Hindi, C Chart and E Chart. 2. Chart should be of durable acrylic sheet with black test types on white background. 3. Test should contain Worth 4 Dot Test and Friend test. 4. Should be self illuminated with bulb/CFL, operational at 220 volt. 5. Drum should be calibrated for use at a distance of 20feet (6 metres). 6. Test Types should be from 6/60 (20/200) to 6/6(20/20). 7. Drum should be attached to a rotating frame, which can be wall mounted.	12	
123	OEI 124	<b>Ishihara Chart</b> 38 plate Pseudo-is chromatic charts based on ISHIHARA. Plates should be cardboard with plastic coating or plastic material and durable. Guide for Test book should be provided.	6	
124	OEI 125	<b>Near Vision Chart</b> Near Vision Chart Drum containing English, Hindi, C. Chart and E Chart. Should be self illuminated with bulb/CFL and contain switch/button for on-off operation, operational at 220 volt. Test types should be from J1 to J6. Chart should be of durable acrylic sheet with black test types on white background.	12	
125	OEI 126	Indirect Ophthalmoscope	6	
126	OEI 127	HESS Screen	1	
127	OEI 128	Disposable handle for above Cautory	12	
128	OEI 129	Artificial Anterior chamber for DSEK (KERATOPLSTY)	2	
129	OEI 130	Spatula for DSEK (Small Medium Large)	4	
130	OEI 131	Colour Vision Book	Each	

**F. List of Essential Dental Equipments & Instruments etc.**  
**Section –F, Code no. – DEI**

Sr. No.	Code No.	Name of the item with full specification	Packing unit	Annual Demand in nos.
	DEI	Group- A Equipment		

1	DEI001	Dental Chair with unit	Each	
2	DEI002	Hand Pieces (A) Air rotor hand pieces:- Standard head (B) Micro motor hand piece :- (I) Straight (II) Contra angle (C) Motorised Suction machine (D) Oil Free noise free air compressor	Each	
3	DEI003	Light cure unit	Each	
4	DEI004	Ultra Sonic Piezo type scalar	Each	
5	DEI005	Dental X-ray unit	Each	
6	DEI006	Dual/Multi frequency Apex locator	Each	
7	DEI007	Glass bead sterilizer with glass beads/ <i>with auto cut</i>	Each	
8	DEI008	Automatic Film Processor for Dental X- Ray	Each	
9	DEI009	CBCT (Cone Beam Computer Tomography)	Each	
10	DEI010	OPG Machine	Each	
11	DEI011	RVG (Digital Radiography Machine) Sensor size 0, 1, 2	Each	
12	DEI012	Physiodispenser for implant placement with complete Kit and	Each	
13	DEI013	Ultrasonic Instrument Cleaner System	Each	
14	DEI014	Amalgamator Motorised	Each	
15	DEI015	Front Loading Autoclave (fully programmable digital type) Min. 10 Ltr. Capacity with alarm, thermostat, safety valve.	Each	
16	DEI016	UV Chamber with at least 12 SS Trays, magnetic door latch, powder coated paint with Double light, UV light auto on closing door & White tube light auto on opening the door.	Each	
17	DEI017	Endo motor with or without inbuilt Apex locator with auto-cleavable hand piece ,torque & speed control, warning sounds, auto stop & reverse function, reciprocating motion	Each	
		<b>Group –B Equipment</b>		
18	DEI021	Diagnostic Sets with Mouth mirror Containing :- mirror top and handle for intra-oral dental examination ,Probe, Explorer and Tweezers with serrated end/ <i>rust free</i>	Each	
19	DEI022	Extraction forceps		
		(A) For Adults	Each	
		(I) Upper	Each	
		(a) Anterior	Each	
		(b) premolar	Each	
		© Molar	Each	
		(i)Right	Each	
		(ii) Left	Each	
		(d) Root	Each	
		(e) Third molar	Each	
		(i)Right	Each	
		(ii) Left	Each	
		(II) lower	Each	
		(a) Anterior	Each	
		(b) Premolar	Each	
		© Molar	Each	
		(d) Root	Each	
		(e) Third molar	Each	
		(B) For paediatric Use	Each	
		(I) Upper	Each	
		(a) Anterior	Each	
		(b) Posterior	Each	
		(II) Lower	Each	
		(a) Anterior	Each	
		(b) Posterior	Each	

20	DE1023	Ranger forceps	Each	
21	DE1024	Elevators		
		(I) Straight	Each	
		(II) Cross bar	Each	
		(a) Right	Each	
		(b) Left	Each	
		(III) Root (a) Right (b) Left <b>(IV) Spoon Elevator</b> <b>(V) Mooris Elevator</b>	Each	
22	DE1025	Periosteal Elevator	Each	
23	DE1026	Hand Scalars		
		(I) Sickle	Each	
		(II) Curette	Each	
		(III) Chisel	Each	
		(IV) Files	Each	
		(V) HUE type right and left	Each	
24	DE1027	Mallet (Hammer)	Each	
25	DE1028	Chisel	Each	
26	DE1029	Double ended curettes	Each	
27	DE1030	Double ended bone file	Each	
28	DE1031	Tongue Retractor	Each	
29	DE1032	Cement Spatula	Each	
30	DE1033	Glass Slab 6" x 3"x 8-10mm in thickness	Each	
31	DE1034	Mortar (glass/ ceramic) – for Amalgamation	Each	
32	DE1035	Pastel (glass/ ceramic) – for Amalgamation	Each	
33	DE1036	Dap pen dish- Glass/ Ceramic	Each	
34	DE1037	Dental Wire cutter	Each	
35	DE1038	Universal Orthodontic Plier	Each	
36	DE1039	Ligature wire SS No. 26, 28 & 30 (Coil Pkt. Of 10/14gms., Tempered soft, round)	Each	
37	DE1040	Arch bar (Erich)	Each	
38	DE1041	Reamer No. 15 to 80 in 21 & 25mm (Each Pkt. Set of Six)	Each	
39	DE1042	File No. 15 to 80 in 21 & 25mm (Each Pkt. Set of Six)	Each	
		(A) K File	Each	
		(B) H File	Each	
40	DEI043	Paper points No. 15 to 80 (120 in qty. in each pkt.)	Each	
41	DEI044	G.P. Point No. 15 to 80 (120 in qty. in each pkt.)	Each	
42	DEI045	Diamond Burs (Round, Tapered, Straight, Inverted Cone, dumbbell shaped etc.)	Each	
43	DEI046	Silver (For dental filling), fine grain, Lathe cut	Each	
44	DEI047	Mercury (For dental filling) Chemically purified	Each	
45	DEI048	Zinc Phosphate Cement (Powder 90gms. & Liquid 30ml.)	Each	
46	DEI049	Zinc Oxide Powder Super quality hybrid sub-micronized particles arsenic free (Dental grade)	Each	
47	DEI050	Eugenol 30-100ml.	Each	
48	DEI051	Glass Ionomer cement for restoration (Powder 12-15gm. With Liquid 6-9ml.)	Each	

49	DEI052	Composite pack with A. Composite material of different shades in syringe packing a) Non-Sticky, no-slump paste. b) Long working time of up to 180 seconds. c) High fracture toughness, natural appearance with smooth and easy to polish d) Organic / in-organic hybrid resin containing 10-15% nano particles. B. Etchant C. Prime & Bond liquid D. Accessories like mixing well, applicator tips, brushes	Each	
50	DEI053	Finishing and Polishing kit for composite filling B. <i>Plastic filling Instrument with high glaze police</i> C. <i>Molar strips (Light cure)</i> 3. <i>Muslin cloth</i> 4. 12 burs each in finishing & polishing kit	Each	
51	DEI054	Matrix Band No. 1 and 8 (Ivory's Pattern) <b>with Retainer</b>	Each	
52	DEI055	Silver filing instrument Set (SS) each containing : (A) Amalgam carrier (B) Condenser Serrated © Ball Burnisher (D) Spoon shaped excavator (E) Amalgam Carver <b>Both Maxillary &amp; Man dilator</b> (F) Amalgam Condenser for class II cavities (G) Amalgam polishing Cups & Disc. (H) Hatchet bin angle	Each Each Each Each Each Each Each Each	
53	DEI056	Calcium Hydroxide (A) Powder form 10-15gms. (B) Paste Form : 10-15gm. Base : 10-12gm. Catalyst	Each	
54	DEI057	Paste for devitalisation <b>of PUIP</b>	Each	
55	DEI058	Chelating agent 3ml. Thick gel in syringe	Each	
56	DEI059	Chip Syringe/ Blower with autoclavable SS tip	Each	
57	DEI060	Disposable Items,Suction tips,Applicator tips,Cotton rolls(small,medium,large)	Each	
58	DEI061	Cotton wool holder made up of SS, Autoclavable (for Dental use)	Each	
59	DEI062	Waste Receiver made up of SS, Autoclavable (for Dental use)	Each	
60	DEI063	Compact Distil water Plant for dental use approx 4 litres capacity	Each	
61	DEI064	Suction tips all size of S.S.	Each	

**G. List of Essential Cardio Vascular Surgery Equipments and Instruments**  
**Section –G, Code no. – CVS**

Sr. No.	Code No.	Name of the item with full specification	Packing unit	Annual Demand in nos.
	CVS	<b>Group-A Item</b>		
1	CVS 001	ECG Machine(single channel)	Each	
2	CVS 002	ECG Machine (Multi Channel)	Each	
3	CVS 003	Oxygen Concentrator	Each	
4	CVS 004	Ventilator & BiPAP	Each	
5	CVS 005	Ventilator	Each	
6	CVS 006	CTMT machine	Each	
7	CVS 007	ECHO (Cardiograph) machine	Each	
		<b>Group-B Item</b>		
8	CVS 011	ECG Gel	250ml tube each	
9	CVS 012	ECG Paper Roll (50mmx30 mtr.)	Each	
10	CVS 013	Disposable ECG solid Gel Electrode	Each	
11	CVS 014	Electro Cardiograph Paper rolls 50 mm x 20 mtr (Single Channel Machine )	Each	
12	CVS 015	Electro Cardiograph Paper rolls 80 mm x 20 mtr ( Three Channel Machine )	Each	
13	CVS 016	Electro Cardiograph Paper rolls 108 mm x 20 mtr (Three Channel Machine )	Each	
14	CVS 017	VSO Retractor – Various Size	Each	
15	CVS 018	RA Retractor – Large Medium Small	Each	
16	CVS 019	LA Retractor – Large Medium Small	Each	
17	CVS 020	Cardiac Scissors'	Each	
18	CVS 021	Sternal Retractor Large Medium Small	Each	
19	CVS 022	Needle Holder Value 12`` 14`` TC Tip	Each	
20	CVS 010	Needle Holder TC Tip 6``, 7``, 8`` 9``	Each	
21	CVS 010	Cardiac Suture Large Medium Small	Each	
22	CVS 010	Debe key, Fine & Blunt 7`` 9``	Each	
23	CVS 010	Pot's Scissor's	Each	
24	CVS 010	Ring Forceps	Each	
25	CVS 010	Carbide forceps	Each	
26	CVS 010	Castroviejo 7`, 8`, 9`	Each	
27	CVS 010	Probe Set $\frac{1}{2}$ , 1, $1\frac{1}{2}$ , 2, $2\frac{1}{2}$ mm	Each	
28	CVS 010	RA Retractor (Aortic Retractor)	Each	
29	CVS 010	Valculum	Each	
30	CVS 010	Adison forceps	Each	
31	CVS 010	Dera Debekey back's Large Medium Small	Each	
32	CVS 010	Angle Debekey	Each	

**H. List of Laboratory Essential Equipments & Appliances**  
Section – H,Code no. – LEA

Sr.	Code No.	Name of Equipment	Packing		
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No.		Group-A Equipments	Unit		D
1	LEA001	Binocular Microscope	Each		
2	LEA002	Monocular Microscope Inclined	Each		
3	LEA003	(a)Centrifuge Machine - (8 Tubes)	Each		
4.	LEA004	(b) Centrifuge Machine - (16 Tubes)	Each		
5.	LEA005	Sahli S Hemoglobin Meter	Each		
6.	LEA006	Three part automatic hematology analyzer (blood cell counter	Each		
7.	LEA007	Five part differential hematology analyzer (blood cell counter)	Each		
8.	LEA008	Semi auto bio chemistry analyzer :	Each		
9.	LEA009	Fully Automated Clinical Chemistry Analyzer	Each		
10.	LEA010	Automated ESR Analyzer	Each		
11.	LEA011	Glucometer	Each		
12.	LEA012	Semi Automated Coagulation Analyser	Each		
13.	LEA013	Bacteriological Incubators ISI Mark IS:3118:1978	Each		
14.	LEA014	Electrolyte Analyzer	Each		
15.	LEA015	Blood Gas Analyser	Each		
16.	LEA016	Semi Automated Urine Test Strip Analyzer	Each		
17.	LEA017	Hemoglobin Spectrophotometer	Each		
18.	LEA018	Hemoglobino Meter (Digital Microprocessor Based)	Each		
19.	LEA019	Adhm Key For Cell Count - (Digital)	Each		
20.	LEA020	Horizontal Laminar Flow	Each		
21.	LEA021	Dry Bath Incubator	Each		
22.	LEA022	Serological Water Bath : (ISI Mark 6593-1978)	Each		
23	LEA023	Hot Air Oven ISI Mark	Each		
24.	LEA024	Portable Autoclave ISI Marked Is:8462	Each		
25.	LEA0251	Autoclave vertical (22 ltr./40 ltr.)	Each		
26.	LEA026	VDRL Rotator	Each		
27.	LEA027	Kahn Shaker -	Each		
28	LEA028	Water Deionizer For Laboratory Grade Water	Each		
29	LEA029	Microprocessor controlled microtyping centrifuge machine & incubator for coombs crossmatch, antibody screening, blood grouping and syphilis test.	Each		
30	LEA030	Blood Bank Refrigerator	Each		
31.	LEA031	Refrigerator 240,280, 340 ltr.	Each		
32.	LEA032	Syringe & Needle Destroyer	Each		
33.	LEA033	Bio- Medical Waste Automatic Shredding Machine Capacity 15kg/Hr	Each		
34.	LEA034	Dielectrict Tube Sealer For Blood Bags	Each		
35.	LEA035	Blood Collection Monitor	Each		
36.	LEA036	Blood Mixer (Roller Mixer)	Each		
37	LEA037	ELISA Reader (Fully Automated)	Each		
38	LEA038	ELISA Reader with washer multi scan SSX-washer 4 MK-2 (Plate reader)	Each		
39	LEA039	Fully automated deluxe donner couch	Each		

<b>Group-B Instruments</b>			
40	LEA041	Hemoglobin Scale Book (HSB)	Each
41	LEA042	Neubaur's Chamber (Counting Chambers)	Each
42	LEA043	Disposable ESR Pipette	Each pack of 100
43	LEA044	Test Tube Stand Made Of Autoclavable Plastic	Each
44	LEA045	Micropipettes (With Tip Ejector) Of Following Ranges	Each
45	LEA046	RBC Pipette	Each Pack of 10 tubes
46	LEA047	WBC Pipette	Each Pack of 10 tubes
47	LEA048	Digital Stoop Watch	Each
48	LEA049	Sprit Lamp	Each
49	LEA050	Bio-Waste Management Items	Each
50	LEA051	Haemocytometer	Each
51	LEA052	ESR Stand (Metal)	Each
52	LEA053	ESR Stand (Plastic) Eve rite top	Each

**I. List of Essential Radiology X-RAYS and Accessories and film Developer etc**

**Section –I, Code no. RXA**

<b>Sr. No.</b>	<b>Code No.</b>	<b>Name of the item with full specification</b>	<b>Packin g unit</b>	<b>Annual Demand in nos.</b>
	<b>RXA</b>	<b>Group-A Equipments</b>		
1	RXA 001	MRI Machine 3.0 Tasla	Each	
2	RXA 002	C.T. Scanner 128 Slice/256 Slice	Each	
3	RXA 003	Cone Beam Computer Tomography Machine (CBCT)	Each	
4	RXA 004	Panoramic/Ortho-Pentagram (OPG) X-ray Machine Digital	Each	
5	RXA 005	500mA, 300mA & 100 mA Digital X-ray machine with CR System(Digital) with film	Each	
6	RXA 006	Mobile X-RAY machine High Frequency Machine	Each	
7	RXA 007	C. R. –machine Multi Logan with film	Each	
8	RXA 008	Cobalt Radiotherapy machine	Each	
9	RXA 009	500mA, 300mA & 100 mA X-ray machine (Non-Digital)	Each	
10	RXA 010	Sonography Colour Doppler Machine with 4 probe	Each	
11	RXA 011	Ultra Sonography (USG) with 3 probe	Each	
12	RXA 012	PET CT Scan Ultra	Each	
13	RXA 013	Electrograph, Sonography machine	Each	
14	RXA 014	Mobile (Portable) CT Scan Machine	Each	
15	RXA 015	Digital Radiography (fixed) Machine	Each	
16	RXA 016	Flat panel Detection System for Digital Radiography	Each	
17	RXA 017	Automatic Film Processor	Each	
18	RXA 018	Mammography Unit	Each	
19	RXA 019	DEXA Machine	Each	
20	RXA 020	(A) THERMAL PRINTER - (Quote separately with ten rolls, each	Each	

		roll of 20 meters.)		
21	RXA 021	(B) D.V.C.R. (Quote the price separately) IMAGE STORAGE Please mention image storage and re-call frozen image and post processing and measurement of re-called image using 63allipers MENTION THE STORAGE MEDIA.	Each	
<b>Group-B Equipments</b>				
22	RXA 031	Lead rubber gloves Lead equivalent up to 0.5 mm various 200 pairs size of low weight and should be flexible.	Each	
23	RXA 032	X- Ray protective apron coat type light weight vinyl lead apron flexible lead equivalent to 0.25 mm to 0.5 mm. ISI Marked IS No. 7620- 1988 & amended up to date.	Each	
24	RXA 033	Chest Stand (A) Wall mounted.	Each	
25	RXA 034	Lead letter "A" to "Z" and Lead Figure 'o' to '9' and L & R set.	Each	
26	RXA 035	Fluorescent illuminator to view on a stand 4 film of 14" x 17" LED View Box	Each	
27	RXA036	Lead rubber sheet size 1`x3`	Each	
28	RXA 037	Film Processing Equipments: 4. Dental hangers and dental clips. 5. Intensifying screens of ultra speed KR-G Rac earth class 100, 170, 200 for size 14"x17", 12"x15", 10"x 12", 8" x10" ISI Marked IS No. 10554-1983 and amended up to date 6. X- Ray protection mobile screen with lead glass window with protection of 1.5 mm lead equivalent size of lead glass for screen to be give with three flank and single flank with lead glass of size 4"x 6" and 8" x 10".	Each	
29	RXA038	Barium enema syringe for air contrast.	Each	
30	RXA039	X-RAY FILMS & OTHER ACCESSORIES: Cassettes of the following sizes with Aluminium top and base heavy. Bar type lock light proof lead back aluminium top ISI Marked IS No. 6991: 1985 & amended up to date. Details enclosed as annexure-A below.	Each	

#### Annexure-A

RXA- 39 X-RAY FILMS & OTHER ACCESSORIES: Cassettes of the following sizes with Aluminium top and Lbase heavy. Bar type lock light proof lead back aluminium top ISI Marked IS No. 6991: 1985 & amended up to date.

S.No	Code No.	Name of Item	Strength	Unit	
1	RXA051	Blue sensitive polyester base, double emulsion coated X-ray film	Size: 14"x 17"	Pkts of 50 Nos	
2	RXA052	Blue sensitive polyester base, double emulsion coated X-ray film	Size: 12"x 15"	Pkts of 50 Nos	
3	RXA053	Blue sensitive polyester base, double emulsion coated X-ray film	Size: 10" x 12"	Pkts of 50 Nos	
4	RXA054	Blue sensitive polyester base, double emulsion coated X-ray film	Size: 8" x 10"	Pkts of 50 Nos	
5	RXA055	Extra Oral Film	6"x10"film (for panoramic) T-mat-E Green sensitive film	Pkts of 50 Nos	
6	RXA056	Extra Oral Film	8"x10"film T-mat-E	Pkts of 50 Nos	

7	RXA057	LX Intra Oral Occlusal X-Ray Film	Size-4 (57X76mm) EKTA Speed	Pkts of 25 Nos	
8	RXA058	Intra Oral Periapical X Ray Film Adult Size-2	Size- 2(3.1X4.1cm) EKTA Speed in Poly soft Packet	Pkts of 150 Nos	
9	RXA059	Intra Oral Periapical X Ray Film Adult Size-0	Size- 0(22X35mm) EKTA Speed in Poly soft Packet	Pkts of 100 Nos	
10	RXA060	X Ray Developer Liquid	19.5/Lit.	Packet	
11	RXA061	X Ray Developer Powder	22.5 gm	Packet	
12	RXA062	X Ray Fixer Liquid	19.5/Lit.	Packet	
13	RXA063	X Ray Fixer Powder	22.5 gm	Packet	
14	RXA064	X Ray film Developer	Powder to make 13.5 Litres	Packet	
15	RXA065	X-Ray Film Fixer	Power to make 13.5 Litres	Packet	
16	RXA066	Ultrasound Jelly (Gel)	250ml (Plastic bottle)	Bottle	
17	RXA067				
18	RXA068				
19	RXA069				

**J. List of Essential Hospital Furniture & Other Hospital Supplies**  
**Section- J, Code no.- HFS**

Sr. No.	Code No.	Name of the item with full specification	Packing unit	Annual Demand in nos.
	<b>HFS</b>	<b>Group-A Equipments</b>		
1	HFS 001	ICU Bed (motorized)	Each	
2	HFS 002	ICU Bed (semi motorized)	Each	
		<b>Group-B Equipments</b>		
3	HFS 011	Fowlers Bed	Each	
4	HFS 012	Operation Table Side End Control ISI Marked	Each	
5	HFS 013	Stead Bed ISI Marked IS No. 5029-1979 and amended up to date	Each	
6	HFS 114	Wheel Chair fix type with arm rest and swinging foot rest	Each	
7	HFS 015	Cylinder Trolley	Each	
8	HFS 016	Bed Side Locker ISI Marked IS No. 4266-1969 and amended up to date	Each	

9	HFS 017	Bed Side Locker with wheel for ICU	Each	
10	HFS 018	Receptable Waste	Each	
11	HFS 019	Screen Bed Side (3 panels)	Each	
12	HFS 020	Stand saline cum irrigator	Each	
13	HFS 021	Revolving Stool	Each	
14	HFS 022	Table examination ISI Marked IS No. 4787- 1968 and amended up to date	Each	
15	HFS 023	Table over bed	Each	
16	HFS 024	Trolley for Dressing Drum	Each	
17	HFS 025	Trolley for Dressing	Each	
18	HFS 026	Trolley for instruments.	Each	
19	HFS 027	Trolley for solid linen with plastic bucket.	Each	
20	HFS 028	Single Foot step	Each	
21	HFS 029	Adjustable bed side table for ICU	Each	
22	HFS 030	Stretcher Trolley	Each	
23	HFS 031	Cylinder Trolley	Each	
24	HFS 032	Monitor Trolley for ICU and O.T.	Each	
25	HFS 033	Attendant Bed for Cottage & cubicles.	Each	
26	HFS 034	Crash Cart for ICU	Each	
27	HFS 035	Medicine Trolley with 4 drawer	Each	
28	HFS 036	Ward Lockers with Legs	Each	
29	HFS 037	Waiting area chair four seats (Fixed)	Each	
30	HFS 038	Dressing Drum	Each	
31	HFS 039	Kidney Tray S.S. ISI Marked IS No. 3992-1982 and amended up to date	Each	
32	HFS 040	Catheter Tray S.S.	Each	
33	HFS 041	Instrument Tray with lead made with thick gauge S.S. sheet ISI Marked IS No. 3993-1982 and amended up to date	Each	
34	HFS 042	Basin S.S.	Each	
35	HFS 043	Urine Pot Male & Female S.S.10", 12", 14", & 16".	Each	
36	HFS 044	Stirrup Pump hand operated ISI Marked IS No. 1971-1982 & amended up to date	Each	
37	HFS 045	Micro Glass Slips & Slide with ground polished edges measuring ISI Marked	Each	
38	HFS 046	Foam Mattress size 72"X20"X4" with resin cover both ISI Marked IS No. 1741- 1960 and amended up to date	Each	
39	HFS 047	Foam Mattress size 72"X36"X4" with resin cover both ISI Marked IS No. 1741- 1960 and amended up to date	Each	
40	HFS 048	Foam Mattress size 72"X 36"X 4" with resin cover. ISI Marked IS No. 1741- 1960 and amended up to date.	Each	
41	HFS 049	Coir Mattress size 72"X 36"X4" with resin cover ISI Marked IS No. 8391- 1987 and amended up to date.(Medium & firm grade)	Each	
42	HFS 050	Sphygmonameter Mercury type ISI Marked IS No. 3390-1988 & amended up to date (BP Instrument)	Each	
43	HFS 051	Weighing Machine Portable Personal weighing machine with magnifying mirror capacity 125Kg. Stamping by weight & Measurement Deptt.	Each	
44	HFS 052	Baby weighing Machine with removable tray weighing capacity 10 Kg.	Each	

**K. List of Essential Family welfare and Planning Instruments**  
**Section –K,Code no. – FWP**

Sr. No.	Code No.	Name of the item with full specification	Packing unit	Annual Demand in nos.
	<b>FWP</b>	<b>Group-B Equipment</b>		
1	FWP001	Set of Instruments of tubectomy abdominal Having following		
		01. Knife handle No. 4	Each	
		02. Mosquito artery forceps Straight. 5"	Each	
		03. Mosquito artery forceps curved. 5"	Each	
		04. Mayo's Scissors Straight 6"	Each	
		05. Curved scissor 6" Both ends Blunt.	Each	
		06. Dissecting Tooth forceps 1x2 tooth, 6"	Each	
		07. Dissecting forceps Plain-6"	Each	
		08. Allis forceps 3x 4 tooth- 6"	Each	
		09. Forceps Bob cock- 6"	Each	
		10. Needle Holder 8"	Each	
		11. Sponge Holding forceps 10"	Each	
		12. Towel clip cross action	Each	
		13. Dewers Restraotor 1"	Each	
		14. Needle Straight 1Pkt	Each	
		15. Needle curved. ( Intentional) R.B.	Each	
		16. BP Blades ISI Marked 20/22	Each	
2	FWP002	Set of Instruments for I.U.C.D. Having following.		
		1. Sponge Holding forceps 8"	Each	
		2. Sims vaginal speculum medium	Each	
		3. Volsellum forceps 10"	Each	
		4. Uterine sound	Each	
		5. Scissors sharp Straight 6"	Each	
3	FWP003	Set of Instruments for vasectomy Having following.		
		01. Needle Holder 6"	Each	
		02. Sponge Holding forceps -10"	Each	
		03. Allis tissue forceps -6"	Each	
		04. Mosquito Artery forceps curved -5"	Each	
		05. Mosquito Artery forceps straight - 5"	Each	
		06. Dissecting forceps tooth 1x2, 6"	Each	
		07. Scissors Straight 6"	Each	
		08. Towel clip cross action	Each	
		09. B.P. Handle No. 4	Each	
		10. Suture Needle	Each	
		11. B.P. Blade ISI Marked	Each	
4	FWP004	Ice bag Medical Rubber, round, 4 O.Z. Capacity	Each	
5	FWP005	Hot water bottle Medical Rubber, One sided ribbed, 28X20 cm. 2 Lit. Capacity.	Each	
6	FWP006	Apron rubber with eye- lets ( PVC - sheet)	Each	
		(i) .L- 125cms X w- 80cms		
		(ii) .L-110cms X w- 90cms		
7	FWP007	Pads for labour Table size 1¼ " ( 8.81cms) Rubber foam with resin cover 72"(±2") x35" (±1")x 1¼ ".	Each	
8	FWP008	Basin size as 32cms Dia., 34cms Dia., 40cms Dia., SS	Each	
9	FWP009	Tray Stainless Steel with cover for boiling of syringes size 200mm x 150mm.	Each	
10	FWP010	Bowles 10cm S.S.	Each	

11	FWP011	Hospital rubber clothing sheeting (Mackintosh).	Each	
12	FWP012	Anti Decubitus Air Mattresses to prevent Bed Sores	Each	
13	FWP013	Anti Decubitus Water Mattresses to prevent Bed Sores.	Each	

**L. List of Essential ENT Equipment & Instruments**  
**Section-L, Code no. – ENT**

Sr. No.	Code No.	Name of the item with full specification	Packing unit	Annual Demand in nos.
	<b>ENT</b>	<b>Group-A Equipments</b>		
1	ENT 001	Cutting Burr/Diamond Burr different size 5 to 6 mm, 400 to 1000 RPM	Each	
2	ENT 002	Dental Drill Machine	Each	
3	ENT 003	Dental Drill Machine- Hand Piece	Each	
4	ENT 004	Operating Microscope	Each	
5	ENT 005	ENT Patient Chair	Each	
6	ENT 006	<b>Cochlear Implants:</b>		
	(1)	Microdebrider	Each	
	(2)	Navigation System	Each	
	(3)	Nasal Endoscopes different sizes & degrees	Each	
	(4)	Video stroboscope	Each	
	(5)	Light Source & Cable	Each	
	(6)	Recording System	Each	
	(7)	Bronchoscopes of different sizes with prism	Each	
	(8)	Bronchoscopic suction and various types	Each	
	(9)	Cabitation system	Each	
	(10)	Endoscopic Camera (a)	Each	
	(11)	Radiofrequency unit	Each	
	(12)	Laser (CO <sub>2</sub> )	Each	
	(13)	Electrical Saw	Each	
	(14)	Harmonic Scalpel	Each	
	(15)	Electric Cavtery	Each	
	(16)	Nerve Monitor	Each	
	(17)	Skeeter	Each	
	(18)	BERA	Each	
	(19)	ASSR	Each	
	(20)	OAE	Each	
	(21)	Portable X-ray machine	Each	
	(22)	Periostum Elevator	Each	
		<b>Group-B Equipments</b>		
7	ENT 016	Laryngoscope- Rigid All sizes	Each	
8	ENT 017	Oesophagoscope different sizes	Each	
9	ENT 018	St. Clair Thomson Nasal Speculum	Each	
10	ENT 019	Killian Nasal Speculum	Each	
11	ENT 020	Tilley Nasal Forceps	Each	
12	ENT 021	Nasal Snare	Each	
13	ENT 022	Luc/s Forceps	Each	
14	ENT 023	Freer Elevator D/E	Each	
15	ENT 024	Chisel	Each	
16	ENT 025	Gauge Killian	Each	

17	ENT 026	Ballenger Knife	Each	
18	ENT 027	Turbinectomy Scissors	Each	
19	ENT 028	Ant rum Trocar Cannula	Each	
20	ENT 029	Hammer 20mm	Each	
21	ENT 030	FO head band	Each	
22	ENT 031	Mouth gag D.B. with 5 blades	Each	
23	ENT 032	D.B. Tonsil Holding forceps	Each	
24	ENT 033	Negus Tonsil Holding forceps	Each	
25	ENT 034	Tonsil Dissector & Pillar Retractor	Each	
26	ENT 035	Forceps wough Dissecting 7"	Each	
27	ENT 036	Metzenbaum Scissor 7"	Each	
28	ENT 037	Tonsil Snare	Each	
29	ENT 038	Needle Tonsil Irwin Moore Rt/Lt (Any type)	Each	
30	ENT 039	Pusher/Knot tier	Each	
31	ENT 040	Adenoid Curetter W/D cage	Each	
32	ENT 041	Adenoid curetter with cage	Each	
33	ENT 042	Yankaur Suction Cannual	Each	
34	ENT 043	Tracheotomy Tube M	Each	
35	ENT 044	Draffin Bipods	Each	
36	ENT 045	Quinsy Forceps	Each	
37	ENT 046	Draffin Bipods.	Each	
38	ENT 047	Quinsy Forceps	Each	
39	ENT 048	Killan Nasal Speculum	Each	
40	ENT 049	Affright Retractor 4 mm	Each	
41	ENT 050	Affright Retractor 6 mm	Each	
42	ENT 051	Alae Retractor	Each	
43	ENT 052	Skin Hook	Each	
44	ENT 053	Joseph Knife	Each	
45	ENT 054	Elevator D/E	Each	
46	ENT 055	Adson Forceps	Each	
47	ENT 056	Fine Scissor	Each	
48	ENT 057	Chisel Cattle Graduated	Each	
49	ENT 058	Osteotome Walter	Each	
50	ENT 059	Gauge Walter	Each	
51	ENT 060	Saw Nasal	Each	
52	ENT 061	Rasp. Nasal	Each	
53	ENT 062	Walsham Forceps	Each	
54	ENT 063	Asch Forceps	Each	
55	ENT 064	Ear Speculum Black Set of 4	Each	
56	ENT 065	Sickle Knife	Each	
57	ENT 066	Round Knife	Each	
58	ENT 067	Knife D/E	Each	
59	ENT 068	Pick Str/Cvd. (Any Type)	Each	
60	ENT 069	Ball Probe	Each	
61	ENT 070	Piston Depth Gauge	Each	
62	ENT 071	Teflon Piston Cutting Zip	Each	
63	ENT 072	Curette S/E	Each	
64	ENT 073	Cu/Piston Holding/serrated forceps	Each	
65	ENT 074	Scissors	Each	
66	ENT 075	Milieus Nipper	Each	
67	ENT 076	Grommet Applicator	Each	
68	ENT 077	Micro Suction Tip set	Each	
69	ENT 078	Adapter for above	Each	
70	ENT 079	Artery forceps – different sizes and types	Each	
71	ENT 080	Gigli saw	Each	
72	ENT 081	Needle holders different sizes	Each	
73	ENT 082	Suture cutting summon	Each	
74	ENT 083	Indirect laryngoscope mirror	Each	

75	ENT 084	Tongue depressor	Each	
76	ENT 085	Farabual Periosteal elevator	Each	
77	ENT 086	Graft spreader	Each	
78	ENT 087	<b>Cochlear Implants:</b>		
	(1)	Microdebrider Blade – different types	Each	
	(2)	Microdebrider Burrs	Each	
	(3)	Fibre optic laryngoscope	Each	
	(4)	Rigid Telearlaryngoscope	Each	
	(5)	Foreign body removal forceps	Each	
	(6)	Burrs – tungsten Carbide – cutting and diamond different sizes	Each	
	(7)	Periosteum elevator	Each	
	(8)	Blakesley forceps	Each	
	(9)	Blakesley forceps different size and angles	Each	
	(10)	Syringe Cannula	Each	
	(11)	Freer’s Suction Elevator	Each	
	(12)	Kerrison’s punch – all sizes	Each	
	(13)	Stapes piston- various types and sizes	Each	
	(14)	Giraffe Forceps	Each	
	15)	TORP	Each	
	(16)	PORP	Each	

**M. List of Essential General Items &Hospital Supplies**  
**Section – M,Code no. – GIS**

Sr. No.	Code No.	Name of the item with full specification	Packing unit	Annual Demand in nos.
	<b>GIS</b>	<b>Group-A Equipment</b>		
1	GIS 001	DG Sets 10,15,25,35,50,62.5,100,125 KVA	Each	
2	GIS 002	Base Ambulances./Ambulances 108	Each	
3	GIS 003	Medical Mobile Units. (MMU’s)	Each	
4	GIS 004	Dental Ambulance	Each	
5	GIS 005	Freezes (Various Sizes)	Each	
6	GIS 006	Stabilizer	Each	
7	GIS 007	UPS (Inverter - cum- ups)	Each	
8	GIS 008	AC Split type (1.0, 1.5, 2.0, 2.5, 3.0 tonnes)	Each	
9	GIS 009	AC Window type (1.0, 1.5, 2.0, 2.5, 3.0 tonnes)	Each	
10	GIS 010	Mechanised Laundry Machine for Hospitals	Each	
11	GIS011	Fogging machine	Each	
12	GIS 012	Vacuum Cleaner (Wet& Dry)	Each	
13	GIS013	Walk in Cooler (8X6 Ft)	Each	
		<b>Group-B Equipment</b>		
Each 14	GIS 021	Bio Medical Waste Management Items		
	(1)	Plastic Sharps Bins (for Disinfection)	Each	
	(2)	Plastic Bins for Four Colours (Red, Blue, Yellow, and Black) 25 ltr./15 ltr.	Each	
	(3)	Plastic Bag for Four Colours (Red, Blue, Yellow, and Black) 25 ltr./15 ltr.	Each	
	(4)	Wheel Barrow (For Transport of Bio Medical Waste)	Each	
	(5)	Sodium Hypochlorite Solution 4% ISI Marked	Each	
	(6)	Rubber Slippers	Each	
	(7)	Mechanical needle cutter	Each	

	(8)	Biomedical Waste Collection Plastic Bags Size (24"* 28") 30 Ltr.	Each	
	(9)	Puncture Proof Translucent Container (5 ltr.)	Each	
	(10)	Thick Hand Gloves	Each	
	(11)	Rubber boots	Each	
	(12)	Wheel Barrow	Each	
15	GIS 022	Gauge and bandage	Each	
16	GIS 023	Asha Kit and other kit	Each	
17	GIS024	District Drug Warehouse Items		
	(1)	Heavy duty Racks (14 ft.)	Each	
	(2)	Heavy duty Racks (8 ft.)	Each	
	(3)	Pallets (2/rack)	Each	
	(4)	hand Pallet Trucks	Each	
	(5)	Hydraulic Lift	Each	
	(6)	Fire Extinguisher (a) Power type, (b) Water type	Each	
	(7)	Vacuum Cleaner (Dry and Wet)	Each	
	(8)	Luggage Carrier Trolley	Each	
	(9)	Cleaning Trolley and Cleaning Equipment	Each	
	(10)	Digital Thermometer (Temp. + Humidity)	Each	
	(11)	Dehumidifier	Each	
18	GIS 025	Furniture		
	(1)	Chair	Each	
	(2)	Table, (Wooden / steel )	Each	
	(3)	Side Racks	Each	
	(4)	Cupboard (Almirah)	Each	
	(5)	Open Steel Cupboard (Adjustable)	Each	
19	GIS026	Computer and other Accessories.	Each	
20	GIS027	Ceiling Fan	Each	
21	GIS028	Combo Machines (Photo Copier, Networking, Printer &Scanner)	Each	

**Note:**

1. The consolidated demand for the year 2013-14 shall be submitted through HOD's.
2. The departments should submit demand from the EEL which is also available on website **www.rmhc.nic.in**
3. The above section wise list of essential equipments and instruments is prepared and catalogued/coded based on past experience of purchase requirement of Medical Institutions.
4. The equipments of Group-A require annual maintenance & repair services and the group-B instruments do not require annual maintenance.
5. The Deletion or Addition of items may be suggested with specification from the catalogued items.
6. The demands shall be submitted with code number of items.

**Signature of HOD**

**OSD, ME/Director PH/RCH etc.**