

Speciality wise classification of Equipment and Instrument List **(EEL)**

Sr. No.	Code No.	Sec.	Specialty	No. of Item
1.	GSI	A	List of Essential General Surgery Instruments	76
2.	GYN	B	Gynaecological Equipment & Instrument	55
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	33
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	46
11.	FWP	K	Family welfare and planning instruments	13
12.	ENT	L	ENT Equipment & Instrument	78
13.	GIS	M	General Items & Hospital Supplies	21
			Total	705

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 in demand form.
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.

चिकित्सा, स्वास्थ्य एवं परिवार कल्याण विभाग, राजस्थान

गाँधी-ब्लॉक, स्वास्थ्य भवन, सी-स्कीम, जयपुर

फोन नः 0141-2228066, फैक्स नः 0141-2228065

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क्रमांक : F-08 () PA JS/M&H/2013/ 1555

दिनांक: 20-11-13

परिपत्र

मंत्री मण्डलीय ज्ञापन संख्या 20(3) PH/G-2/2011 दिनांक 31.03.2011 की अनुपालना में राजस्थान सरकार द्वारा आवश्यक औजारो, उपकरणों एवं अन्य अस्पताल सामानों आदि (Essential equipments, instruments and other hospital supplies) तथा भेषज एवं औषधियों आदि (Essential medicines, surgicals, sutures and consumable) की आपूर्ति प्रतिस्पर्धा दरों पर कय किये जाने के उद्देश्य से राजस्थान चिकित्सा सेवा निगम का गठन किया गया।

चिकित्सा, स्वास्थ्य एवं, परिवार कल्याण विभाग एवं चिकित्सा शिक्षा विभाग आदि के चिकित्सालयों हेतु आवश्यक औजारो एवं उपकरणों का केन्द्रीयकृत कय एवं प्रबन्धन एवं वार्षिक रख रखाव के अनुबन्ध का कार्य राजस्थान चिकित्सा सेवा निगम द्वारा किया जा रहा है। राजस्थान चिकित्सा सेवा निगम के माध्यम से उपकरण कय की प्रक्रिया निम्न प्रकार है :-

1. राजस्थान चिकित्सा सेवा निगम द्वारा सिर्फ आवश्यक चिकित्सा उपकरणों एवं औजारों तथा अन्य चिकित्सकीय आपूर्ति की सूची (Essential Equipment List) में सम्मिलित उपकरणों एवं अन्य आइटमों के कय की कार्यवाही की जावेगी।
2. वित्त विभाग ने अधिसूचना संख्या जयपुर, सितम्बर 4, 2013 द्वारा राजस्थान लोक उपापन में पारदर्शिता अधिनियम, 2012 की धारा 6 की उप-धारा (2) द्वारा भी अधिसूचित किया है कि चिकित्सा उपस्कर, उपकरण और अन्य अस्पताल आपूर्ति में राजस्थान चिकित्सा सेवा निगम लिमिटेड (आर.एम.एस.सी.एल) को उसके विषय वस्तु के उपापन के लिये अधिमान दिया जाएगा।
3. चिकित्सा, स्वास्थ्य एवं परिवार कल्याण विभाग एवं चिकित्सा शिक्षा विभाग आदि को उपकरणों की मांग अपने विभागाध्यक्ष के माध्यम से बजट प्रावधान के तुरंत बाद निगम को प्रस्तुत कर देनी चाहिए। इससे समय पर निविदाये जारी कर वित्तीय वर्ष में ही उपकरण आपूर्ति करने में सुविधा रहेगी।
4. उपकरण की कीमत, कर एवं निगम के चार्जेज का विवरण वेबसाइट www.rmsc.nic.in पर अनुमोदित दर अनुबन्ध सूची में उपलब्ध है। सम्बन्धित मांगकर्ता / प्रभारी चिकित्सा संस्थान को मांग प्रेरित करने से पूर्व इसका भली भांति अवलोकन कर लेना चाहिए।
5. मांगकर्ता चिकित्सा संस्थान अस्पताल प्रभारी संलग्न मांग-पत्र (Indent For) में मांग विवरण भिजवायेंगे। मांग-पत्र के साथ आवश्यक राशि भी निगम के बैंक खाता संख्या 2246002100024414 पंजाब नेशनल बैंक, जवाहर नगर शाखा, जयपुर, I.F.S code PUNB 0224600 में जमा करवाकर रसीद संलग्न करेंगे अथवा प्रबन्ध निदेशक आर.एम.एस.सी के नाम जयपुर में देय डी.डी. संलग्न किया जावे।
6. राजस्थान चिकित्सा सेवा निगम के चार्जेज बुनियादी कीमत + कर आदि की कुल राशि पर 5 प्रतिशत की दर से देय होंगे। निगम चार्जेज की राशि जोड़कर धनराशि हस्तान्तरित की जावे।
7. चिकित्सा संस्थानों के प्रभारी अधिकारी यथा प्राचार्य, अस्पताल अधीक्षक, सी.एम एण्ड एच.ओ एण्ड पी.एम.ओ आदि उपकरणों की मांग अपने विभागाध्यक्ष के माध्यम से अथवा उन्हें सूचित करते हुए राजस्थान चिकित्सा सेवा निगम को भिजवायेंगे।
8. मांग प्राप्त होने तथा राशि हस्तान्तरण की पुष्टी उपरान्त आपूर्ति आदेश दर अनुबन्धित फर्म को आर.एम.एस.सी द्वारा जारी किये जायेंगे। उपकरणों की दर अनुबन्धित फर्म द्वारा आपूर्ति सीधे ही मांगकर्ता संस्थान (consignee) को की जावेगी। सम्बन्धित प्राचार्य, अस्पताल अधीक्षक, सी.एम एण्ड एच.ओ एण्ड पी.एम.ओ आदि अथवा उनके प्राप्तकर्ता प्रभारी अधिकारी निरीक्षण कर उपकरणों तथा सामानों की आपूर्ति लेकर मूल बिल पर निम्न प्रमाण-पत्र अंकित करेगा:-

It is certified that the item is received in good condition as per specification of rate contract and installed/commissioned satisfactorily. The stores are entered at page no dated..... of stock register. The bill/invoices is verified for payment.

(Signature)
Store officer/keeper

(Signature)
In charge officer
of hospital/ Institute
with seal

आपूर्तिकर्ता फर्म तीन प्रतियों में बिल संस्थान प्रभारी (consignee) को प्रस्तुत करेगा। प्राप्तकर्ता(consignee) उपरोक्त प्रमाण-पत्र अंकित कर मूल बिल एवं द्वितीय प्रति आपूर्ति कर्ता फर्म को लौटा देगा अथवा सीधे ही निगम को भिजवायेगा। प्रमाणित बिलों के आधार पर राजस्थान चिकित्सा सेवा निगम द्वारा आपूर्तिकर्ता फर्म को भुगतान किया जावेगा।

9. अविलम्ब आपूर्ति प्राप्त करना एवं बिलों का प्रमाणीकरण किया जाना प्रभारी अधिकारी, चिकित्सा संस्थान का दायित्व होगा।
10. आवश्यक चिकित्सा उपकरणों एवं औजारों तथा अन्य चिकित्सकीय सामानों की सूची (Essential Equipment List) एवं उपकरण उपापन नीति एवं प्रक्रिया (Equipment Procurement Policy & Procedure) का विस्तृत विवरण राजस्थान चिकित्सा सेवा निगम की वेबसाइट www.rmssc.nic.in पर भी उपलब्ध है।
11. जिन उपकरणों एवं औजारों का दर अनुबन्ध उपलब्ध नहीं है उनकी निविदा प्रक्रिया में 2 से 3 माह का सम्भावित समय लगता है। अतः मांग कर्ता अधिकारी समय पर मांग प्रस्तुत करना सुनिश्चित करे। दर अनुबंधित (Rate Contract) उपकरणों की आपूर्ति अवधि क्रय आदेश जारी होने से 75 - 90 दिवस है।
12. यदि आवश्यक हो तो कार्यकारी निदेशक (ई.पी.एम.), राजस्थान चिकित्सा सेवा निगम, जयपुर से दूरभाष नम्बर 0141-2223887 अथवा हेल्पलाइन नम्बर 0141-2225885 पर सम्पर्क किया जा कर जानकारी ली जा सकती है।

यह परिपत्र प्रमुख शासन सचिव महोदय से अनुमोदित है।

(डा. समित शर्मा) आई.ए.एस.
प्रबन्ध निदेशक
राजस्थान चिकित्सा सेवा निगम
एवं पदेन संयुक्त शासन
सचिव चिकित्सा एवं
स्वास्थ्य विभाग राजस्थान

क्रमांक : F-08 () PA JS/M&H/2013/ 1555

दिनांक: 20-11-13

प्रतिलिपि निम्न को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है:-

1. मिशन निदेशक, राष्ट्रीय ग्रामीण स्वास्थ्य मिशन, जयपुर
2. निदेशक जन.स्वा. / आर.सी.एच / एड्स अस्पताल प्रशासन / मोबाईल सर्जिकल यूनिट / ई.एस.आई. / आई.ई.सी.
3. समस्त प्रधानाचार्य एवं नियंत्रक, चिकित्सा महाविद्यालय एवं समस्त अधीक्षक सम्बद्ध चिकित्सालय
4. विशेषाधिकारी, चिकित्सा शिक्षा विभाग, जयपुर
5. संयुक्त निदेशक, चिकित्सा एवं स्वास्थ्य सेवाएँ जोन जयपुर / जोधपुर / उदयपुर / बीकानेर / अजमेर / कोटा / भरतपुर
6. समस्त मुख्य चिकित्सा एवं स्वास्थ्य अधिकारी
7. समस्त प्रमुख चिकित्सा अधिकारी

प्रबन्ध निदेशक
राजस्थान चिकित्सा सेवा निगम
एवं पदेन संयुक्त शासन
सचिव चिकित्सा एवं
स्वास्थ्य विभाग राजस्थान

DEMAND / INDENT TO RMSC- FORM

**FOR DEPARTMENT OF MEDICAL, HEALTH AND FAMILY WELFARE,
DEPARTMENT OF MEDICAL EDUCATION IDENTORS, NRHM, DIRECTOR
(RCH/IEC/ESI/AIDS/HA) & OTHER STATE OWNED CORPORATION ETC.**

Sr. No.	Particulars	Details
1.	Indenter's Indent Number & Date	
2.	Name of Indenting Department	
3.	Full Postal Address	
4.	E-mail Address	
5.	Telephone No.	
6.	Mobile No. of Purchase Officer	
7.	Name, Address, Telephone & Mobile No. of Consignee	Note: CM&HO/PMO district level Consignees may club demand for their CHC/PHC/SC etc.
8.	Equipment/ Item particulars	
	(a) Rate Contact No. & Date	
	(b)The Code No. as per EEL	
	(c) Name of item as per EEL	
	(d) Quantity in numbers as per packaging unit	
9.	The Details of funds transfer to RMSC	Note: RMSC charges@5% to be added in funds transfer.
	(a) RTGS/DD No./Cheque No.	
	(b) Amount (Rs.)	
	(c) Funds not transferred	Certificate of Proper sanction and availability of funds to be provided.
10.	Other	

I certify that:-

- the expenditure involved has received the sanction of competent financial authority and that Funds are available under the proper head /provision.
- I have been authorized by Governments/Competent authority to incur liability in respect of the stores indented for the funds herein, in anticipation of funds being provided for the same.
- funds are available and pre-deposited as detail above for stores which are indented and to be purchased.

Signature and Seal of Indenting Officer
(.....Name.....)

Director P.H.

Note:-

1. Separate indents should be prepared for each item/List of items. Indents are required to be submitted to RMSCL, Jaipur in duplicate.

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
	GSI	Group - A Equipments	
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 Insufflators & Cold Light Source	Each
4	GSI 004	Adult cystoscope & resectoscope for TURP	Each
		Group -B Instruments	
5	GSI 011	Artery forceps criles straight box joint 5", 6", 7", 8",	1 each
6	GSI 012	Artery forceps criles curved on flat box joint 5", 6", 7", 8", 12" & 15"	15 each
7	GSI 013	Artery forceps kocher's curved on flat box joint 160mm and 200mm	15 each
8	GSI 014	Artery forceps straight Kelly 5" 6"7"8"	
9	GSI 015	Dissecting Forceps, Toothed Size- 10, 12, 15 & 18cms.	5 each
10	GSI 016	Randel's pattern:Renal Stone Forceps Small, Medium & Large	
11	GSI 017	Non Tooth Cushing pattern size 5", 6", 7" & 8".	5 each
12	GSI 018	Rectal Grasping & Biopsy Forceps	2 Each
13	GSI 019	Green Armitex Forceps (L.ScS)	4 Each
14	GSI 020	Tongue holding forceps 165mm	2 Each
15	GSI 021	Punch Biopsy Forcep 7".	2 Each
16	GSI 022	Anal Retractors Self Retaining	2 Each
17	GSI 023	Lloyd danis Rectal Clamp	2 Each
18	GSI 024	Sponge Holding forceps foerster's Pattern 6", 8" & 10".	5 each
19	GSI 025	Sterilizer Forceps Cheatle's Pattern 10"	2 Each
20	GSI 026	Allis Tissue Holding Forceps Size 12, 15, 19,20,25cms.	10 each
21	GSI 027	Babcook's Tissue Holding Forceps size 16, 18,20,24cms	2 each
22	GSI 028	Gall Stone Forceps Desjardine's Pattern Size 21, 23 cms.	1 each
23	GSI 029	Spence well's pattern Straight/Curved size ,15.5 , 18 & 20cms.	5 each
24	GSI 030	Kocher's Pattern Straight/Curved size : 16 & 20 cm.	5 each
25	GSI 031	Halsted's Pattern Mosquito Straight/Curved Size 4" & 5"	5 each
26	GSI 032	Robert's Pattern artery forceps size 22cms.	5 each
27	GSI 033	Bulldog's Vascular clamps- Straight/Curved size: 7.5, 8.5, 10cms.	2 each
28	GSI 034	Cystotechotomy forceps bile duct dilators Set of 9, 6" & 8"	1 each
29	GSI 035	Self Retaining Mouth Gauge with Tongue Blades	1 each
30	GSI 036	Pyelolethotomy forceps	1 each
31	GSI 037	Sinus forceps LISTER's Straight bos joint 6" (15.24cms)	2 Each
32	GSI 038	Sterilizer forceps for bowls etc HARRISON with bow handle screw joint 16' (40.64 cms)	1 each
33	GSI 039	<i>Setensky's Vascular Clamp</i>	2 Each
34	GSI 040	Needle Holder Hegar's Pattern 5",6",7",8" & 9"	5 each
35	GSI 041	Scissors straight with blunt point 5" (12.70cms), 6", 7", 8", 10" S.S	5each
36	GSI 042	Scissors (Tailor) for cutting gauze & Bandage.	2 Each
37	GSI 043	Scissors smiths Pattern S.S Size : 16,18,20 & 23 cm.	1 each
38	GSI 044	Scissors Listser Pattern S.S. Size : 18 cms	2 Each
39	GSI 045	Scissors Dissecting curved on flat pattern S.S. 5"	2 Each
40	GSI 046	Scissors curved on Flat S.S 6"	2 Each
41	GSI 047	Fine Scissors 4" Straight & Curved	1 Each
42	GSI 048	Dissecting Mayo's Pattern straight/Curved S.S. Size :15, 18, & 20 cm.	2 each
43	GSI 049	Dissecting Metzbaum's Straight/Curved S.S Size: 14.5, 15, 16, 21 cm.	5 each
44	GSI 050	Bard Parker Pattern Handle S.S No. 3,4,7	5 each
45	GSI 051	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
46	GSI 052	Skin Grafting Knife Handle with Blade S.S size 30cms. (Hamfe's)	1 Each
47	GSI 053	Bougles Lister & cluton's Pattern Dilators method Set of 12 & 15	1 each
48	GSI 054	Introducer for catheters size 46cms.	1 Each
49	GSI 055	Anal dilators N0 1 to 5	2 Each

50	GSI 056	Mallealde (Fistula) Probe	5 Each
51	GSI 057	Proctoscope Adult, Child & Infant	1for adult
52	GSI 058	Skin Retractor right angle - small, medium & large	5 each
53	GSI 059	Devers Pattern Retractor with Blade size 18cmx19mm, 21.5cms x 22mm, 30cm x 25mm, 33cm. X 25mm, 35cm x 38mm	2 each
54	GSI 060	Retractor Balfour's self retaining with adjustable counter blade S.S.	2 Each
55	GSI 061	Kelly's Retractor (Make / Brand -SISCO,BRT 780	2 Each
56	GSI 062	Morris Retractor	2 Each
57	GSI 063	S. Retractors	2 Each
58	GSI 064	Malleable Retractor Curved	2 Each
59	GSI 065	Intestinal clamps- Crushing :- Straight & Curved, Size : 5", 6.5", 8", 9" & 10"	2 each
60	GSI 066	Intestinal clamps Non- Crushing :- Straight Size :5", 6.5", 8",9" & 10" & Curved	2 each
61	GSI 067	Clamp Kochers Pattern Straight & Curved Size: 22,25 & 28cms.	2 each
62	GSI 068	Mayo's Towel Clip 5" & 6"	10 each
63	GSI 069	Cryo Surgical Unit with Hemorrhoid General Purpose Probe round and Double side Flat	1 Each
64	GSI 070	Adult & Child Tongue depressor S.S	2 each
65	GSI 071	Formalin Chamber 26" (Three Tray)	2 Each
66	GSI 072	Laparotomy Set	1 Each
67	GSI 073	Leparoscopic Mesh Fixation device (Tacker)	20 Each
68	GSI 074	Post Mortem Set	1 each
69	GSI 075	Metallic Catheter Male 6-24f size	1 each
70	GSI 076	Metallic Catheter Female 6-24f size	14 items
71	GSI 077	Suction Cannula 9" set of 4	Each
72	GSI 078	Skin staplers (Stainless Steel) with 35 Staplers	1 Each
73	GSI 079	Skin Hook Gille's patter 16 cm.- Single Hook Double Hook Skin Retractor	1 Each
74	GSI 080	Bladder Sound Size 29 FR	Each
75	GSI 081	First Aid Surgical Kit/Dressing Kit	Each
76	GSI 082	Randal's pattern: Bladder Stone Forceps	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 in demand form.

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
	GYN	Group - A Equipments	
1	GYN001	Foot Operated Suction Machine with vertical Heavy Pump	2 each
2	GYN 002	Instrument Sterilizer	2 each
3	GYN 003	Cryo Surgical Unit	2 each
4	GYN 004	Obstetric Lab our Table Telescopic (Fixed Height) with Mattresses	2 each
5	GYN 005	Heat Warmer LED/Halogen type :	2 each
6	GYN 006	Phototherapy source unit with infant care trolley :	2 each
7	GYN 007	Foetal Monitor Continuous monitoring of FHR, Toco and Maternally	2 each
8	GYN 008	Ultrasonic Foetal Heart Monitor transducer. Handy and attractive Cabinet	2 each
9	GYN 009	Ultrasonic Foetal Heart Monitor display of FHR for continuous monitoring	2 each
10	GYN 010	Single Puncture Laparoscope for Laparoscopic Sterilization with CO2 Insufflators and Cold Light Source	2 each
11	GYN 011	Electro Surgical Unit 250 Watt	2 each
12	GYN 012	Haemoglobin meter:	2 each
13	GYN 013	MVA syringe with accessories.	2 each
14	GYN 014	Electro Surgical Unit 100 Watt	2 each
15	GYN 015	Argon Plasma Coagulator	2 each
16	GYN 016	Colpo-Micro Hysteroscopy	1
17	GYN 017	Laparoscope set for Training with CO ₂ Insufflators	1
18	GYN 018	Ultrasonic Cutting and Coagulating Device for Open & Laparoscopic Surgery	1
19	GYN 019	MTP Suction apparatus electrically operated	2 each
20	GYN 020	Suction apparatus double bottle manually operated	2 each
		Group -B Instruments	
21	GYN 031	Uterine Curettes Sims sharp & Blunt S.S. 10½ (26.25 cm.) Size- 6mm, 8mm, 9mm, & 11mm.	2 each
22	GYN 032	Vaginal speculum, Cusco Pattern solid blades and folding handles and chromium Plated Large, Medium, Small.	2 each
23	GYN 033	Uterine Sims speculum double Blade, ""Duck bill 1/8", 1.5/16" Large	2 each
24	GYN 034	Uterine Sims speculum double Blade medium	2 each
25	GYN 035	Uterine Depressor Sims 27cms & 33cms.	2 each
26	GYN 036	Uterine Dilator Hager's set of 13 from 2mm to 13mm in heavy in weight	2 each
27	GYN 037	Uterine Dilator Hager's double ended set of 8heavy weight	2 each
28	GYN 038	Episiotomy Scissor.	2 each
29	GYN 039	Ovum forceps Haywood, Smiths Box Joints S.S. straight & Curved 8" size small, medium and large	2 each
30	GYN 040	Vallsellum Forceps 9" & 10"	2 each
31	GYN 041	Vento use (Vacuum Extractor) Silicon Small, Medium & Large	2 each
32	GYN 042	Perforator	2 each
33	GYN 043	Decapitation Hook 325 mm.	2 each
34	GYN 044	Uterine Clamps	2 each
35	GYN 045	Craniotomy Forceps.	2 each
36	GYN 046	Green Army age Forceps 8" & 9"	2 each
37	GYN 047	Chital Forceps Jar S.S. Grade 304/18/8 Size 5" & 7"	2 each
38	GYN 048	Endometrial Uterine Biopsy curette.	2 each
39	GYN 049	Cervical Biopsy Punch forceps medium size	2 each
40	GYN 050	D&C Set	2 each
41	GYN 051	MTP Suction cannulas Plastic Disposable Size : 6,8,10,12 Nos.	2 each
42	GYN 052	Catheter Rubber 16 No.	2 each
43	GYN 053	Instruments of LSCS sets	2 each
44	GYN 054	Curette, Endometrial Biopsy, Suction Type.	2 each
45	GYN 055	Hysterical pingography Leich Wilkinson Cannula, Intra- uterine	2 each
46	GYN 056	Menstrual regulation syringe	2 each
47	GYN 057	Catheters Metal Female	2 each

48	GYN 058	Bladder sound.	2 each
49	GYN 059	Delivery Set	14 item set
50	GYN 060	Umbilical cord clamps Disposable	2 each
51	GYN 061	Plastic Aprons	2 each
52	GYN 062	SS Steel bucket	2 each
53	GYN 063	Basin steel 36cm. With stand and wheels	2 each
54	GYN064	Oxygen hood	2 each
55	GYN065	Aseptic labour and neonate kit	--

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 in demand form.

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	Group-A Equipment	
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/ ISO 9809 (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 / ISO 9809 (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/ ISO 9809 (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/ ISO 9809 (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/ ISO 9809 (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/ ISO 9809 (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
		Group -B Instruments	
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 Tracheotomy 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	---

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 in demand form.

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
	OPE	Group-A Equipments	
1	OPE001	C-arm with Orthopaedic Table	Each
2	OPE002	Battery Operated Bone Drill	20 sets
3	OPE003	Electronic Pneumatic Tourniquet	10 sets
		Group-B Instruments	
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 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	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	Spine	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	Cervical Palate:	
	(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	Laminectomy:	
	(1)	Spinal Rongers 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	Ilizarov:	
	(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	Monorail:	
	(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	Locking compression Platess:	
	(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	Arthroscopy:	
	(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	Hip prosthesis:	
	(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	Knee Prosthese:	
	(1)	Perforator	2
	(2)	Femoral, tibial cutting and patellar zig	3 each
	(3)	Mallets	2
	(4)	Pins	2
	(5)	Bone saw	2
42	OPE050	Jess:	
	(1)	Spanner 10mm	6
	(2)	Allen key	6
43	OPE051	Misc:	
	(1)	Skin Grafting handle - Small	2
	(2)	Skin Grafting handle - Large	2
44	OPE052	Herbert Screw set:	
	(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

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 in demand form.

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
	OEI	Group-A Equipments	
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
		Group -B Instruments	
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 (Jameson) Small 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 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 inter pupillary 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 Boneqouge 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 ⁰ 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 ⁰ for making tunnels	2000
73	OEI 074	Slit blade 3mm angle 45 ⁰ to enter in to anterior chamber	2000
74	OEI 075	Slit enlarging Blade, Blunt 5mm angle 45 ⁰ 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	Descemet'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-conotype	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 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 curued	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 Manipulating 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	Trial set 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	Snellen's Distance visual Acuity Chart. 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.	12

		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.	
123	OEI 124	Ishihara Chart 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	Near Vision Chart 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

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 in demand form.

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
	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	DE1008	Automatic Film Processor for Dental X- Ray	Each
9	DE1009	CBCT (Cone Beam Computer Tomography)	Each
10	DE1010	OPG Machine	Each
11	DE1011	RVG (Digital Radiography Machine) Sensor size 0, 1, 2	Each
12	DE1012	Physiodispensor for implant placement with complete Kit and accessories	Each
13	DE1013	Ultrasonic Instrument Cleaner System	Each
14	DE1014	Amalgamator Motorised	Each
15	DE1015	Front Loading Autoclave (fully programmable digital type) Min. 10 Ltr. Capacity with alarm, thermostat, safety valve.	Each
16	DE1016	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
		Group –B Instruments	
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	
		(IV) Spoon Elevator	
		(V) Mooris Elevator	
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 (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) with Retainer	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 Both Maxillary & Man dilator (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 of PUIP	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

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 in demand form.

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
	CVS	Group -A Equipments	
1	CVS 001	ECG Machine (3 Channel)	Each
2	CVS 002	ECG Machine (6 Channel)	Each
3	CVS 003	ECG Machine (12 Channel)	Each
4	CVS 004	Oxygen Concentrator	Each
5	CVS 005	Ventilator & BiPAP	Each
6	CVS 006	Ventilator	Each
7	CVS 007	CTMT machine	Each
8	CVS 008	ECHO (Cardiograph) Machine	Each
		Group -B Instruments	
9	CVS 011	ECG Gel	250ml tube each
10	CVS 012	ECG Paper Roll (50mmx30 mtr.)	Each
11	CVS 013	Disposable ECG solid Gel Electrode	Each
12	CVS 014	Electro Cardiograph Paper rolls 50 mm x 20 mtr (Single Channel Machine)	Each
13	CVS 015	Electro Cardiograph Paper rolls 80 mm x 20 mtr (Three Channel Machine)	Each
14	CVS 016	Electro Cardiograph Paper rolls 108 mm x 20 mtr (Three Channel Machine)	Each
15	CVS 017	VSO Retractor – Various Size	Each
16	CVS 018	RA Retractor – Large Medium Small	Each
17	CVS 019	LA Retractor – Large Medium Small	Each
18	CVS 020	Cardiac Scissors'	Each
19	CVS 021	Sternal Retractor Large Medium Small	Each
20	CVS 022	Needle Holder Value 12`` 14`` TC Tip	Each
21	CVS 023	Needle Holder TC Tip 6``, 7``, 8`` 9``	Each
22	CVS 024	Cardiac Suture Large Medium Small	Each
23	CVS 025	Debe key, Fine & Blunt 7`` 9``	Each
24	CVS 026	Pot's Scessor's	Each
25	CVS 027	Ring Forceps	Each
26	CVS 028	Carbide forceps	Each
27	CVS 029	Castroviejo 7``, 8``, 9``	Each
28	CVS 030	Probe Set $\frac{1}{2}$, 1, $1\frac{1}{2}$, 2, $2\frac{1}{2}$ mm	Each
29	CVS 031	RA Retractor (Aortic Retractor)	Each
30	CVS 032	Valculum	Each
31	CVS 033	Adison forceps	Each
32	CVS 034	Dera Debekey back's Large Medium Small	Each
33	CVS 035	Angle Debekey	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 in demand form.

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.	LEA025	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 micro typing centrifuge machine & incubator for combos cross match, 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
		Group-B Instruments	
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 (The Details of items as per GIS 021)	Each
50	LEA051	Haemocytometer	Each
51	LEA052	ESR Stand (Metal)	Each
52	LEA053	ESR Stand (Plastic) Eve rite top	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 in demand form.

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
	RXA	Group-A Equipments	
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	100 mA Digital X-ray machine with CR System(Digital) with film (High Frequency)	Each
6	RXA 006	300mA Digital X-ray machine with CR System(Digital) with film (High Frequency)	Each
7	RXA 007	500mA, Digital X-ray machine with CR System(Digital) with film (High Frequency)	Each
8	RXA 008	Mobile X-RAY machine High Frequency Machine	Each
9	RXA 009	C. R. –machine Multi Logan with film	Each
10	RXA 010	Cobalt Radiotherapy machine	Each
11	RXA 011	500mA, 300mA & 100 mA X-ray machine (Non-Digital)	Each
12	RXA 012	Sonography Colour Doppler Machine with 4 probe	Each
13	RXA 013	Ultra Sonography (USG) with 3 probe	Each
14	RXA 014	PET CT Scan Ultra	Each
15	RXA 015	Electrograph, Sonography machine	Each
16	RXA 016	Mobile (Portable) CT Scan Machine	Each
17	RXA 017	Digital Radiography (fixed) Machine	Each
18	RXA 018	Flat panel Detection System for Digital Radiography	Each
19	RXA 019	Automatic Film Processor	Each
20	RXA 020	Mammography Unit	Each
21	RXA 021	DEXA Machine	Each
		(A) THERMAL PRINTER - (Quote separately with ten rolls, each roll of 20 meters.)	Each
		(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
		Group - B Instruments	
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	Digital X Ray film Single coated	Size 11"X 14"	Packs of 125 films
11	RXA061	Digital X Ray film Single coated	Size 10"X 12"	Packs of 125 films
12	RXA062	Digital X Ray film Single coated	Size 8"X 10"	Packs of 125 films
13	RXA063	X ray cassettes with KG8	screen 14 X 17	Each
14	RXA064	X ray cassettes with KG8	screen 12 X 15	Each
15	RXA065	X ray cassettes with KG8	screen 10 X 12	Each
16	RXA066	X ray cassettes with KG8	screen 8 X 10	Each
17	RXA067	Single emulsion films for memography		Pkts of 50 nos.
18	RXA068	Dry view Laser films Kodak	Size : 14"X 17 "	Pkts of 100 nos.
19	RXA069	Dry view Laser films Kodak	Size : 11"X 14"	Pkts of 100 nos.
20	RXA070	Dry view Laser films Kodak	Size : 10"X 12"	Pkts of 100 nos.
21	RXA071	Dry view Laser films Kodak	Size : 8"X 10 "	Pkts of 100 nos.

22	RXA072	Dry view Laser films Fuzi	Size : 14"X 17 "	Pkts of 100 nos.
23	RXA073	Dry view Laser films Fuzi	Size : 11"X 14 "	Pkts of 100 nos.
24	RXA074	Dry view Laser films Fuzi	Size : 10"X 12 "	Pkts of 100 nos.
25	RXA075	Dry view Laser films Fuzi	Size : 8"X 10 "	Pkts of 100 nos.
26	RXA076	X ray Developer liquid for auto processing to make20 liters	liquid to make20 liters	
27	RXA077	X ray Fixer liquid for auto processing to make 20 liters	liquid to make20 liters	
28	RXA078	X Ray Developer Powder	22.5 gm	Packet
29	RXA079	X Ray Fixer Powder	22.5 gm	Packet
30	RXA080	X Ray Developer Liquid	19.5 litre	Packet
31	RXA081	X Ray Fixer Liquid	19.5/Lit.	Packet
32	RXA082	X Ray film Developer Powder	Powder to make 13.5 Litres	Packet
33	RXA083	X-Ray Film Fixer Powder	Power to make 13.5 Litres	Packet
34	RXA084	Ultrasound Jelly (Gel)	250ml (Plastic bottle)	Bottle
35	RXA085	USG Paper Roll	50mmx30 mtr.	Roll

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 in demand form.

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
	HFS	Group-A Equipments	
1	HFS 001	ICU Bed (motorized)	Each
2	HFS 002	ICU Bed (semi motorized)	Each
		Group-B Instruments	
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	Stethoscope (pediatrics & adult)	Each
43	HFS 051	Sphygmonameter Mercury type ISI Marked IS No. 3390-1988 & amended up to date (BP Instrument)	Each

44	HFS 052	Weighing Machine Portable Personal weighing machine with magnifying mirror capacity 125Kg. Stamping by weight & Measurement Deptt.	Each
45	HFS 053	Baby weighing Machine with removable tray weighing capacity 10 Kg.	Each
46	HFS 054	Table Post-Mortum	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 in demand form.

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
	FWP	Group-B Equipment	
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 Restraotor 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
	ENT	Group - A Equipments	
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	Cochlear Implants:	
	(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 ₂)	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
		Group - B Instruments	
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	Cochlear Implants:	
	(1)	Microdebrider Blade – different types	Each
	(2)	Microdebrider Burrs	Each
	(3)	Fibre optic laryngoscope	Each
	(4)	Rigid Telelarlaryngoscope	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

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 in demand form.

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
	GIS	Group -A Equipment	
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
		Group - B Instruments	
14	GIS 021	Bio Medical Waste Management Items	Each
	(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
15	GIS 022	Gauge and bandage (Gauge Unmediated)	
		Gauge Unmediated Ordinary Bandage Size: 120cmx9mt./60cmx18mt.	Each
		Gauge Unmediated Ordinary Bandage Size: 15cmx4mt.	Each
		Gauge Unmediated Ordinary Bandage Size: 10cmx4mt.	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 in demand form.