

Amendment no. 9**25.05.2021****Sub: Amendment to the referred tender enquiry**

Ref.: Tender Enquiry HITES/PCD/AIIMS-IV/30/Ortho/19-20 Dated 15-02-2020 read with amendment no 1 dated 20.02.2020 and Notice on Extension of Due Dates dated 25.03.2020, amendment no 2, 3, 4, 5, 6,7 & 8 dated 03.03.2021, 03.03.2021, 24.03.2021, 07.04.2021, 20.04.2021, 03.05.2021 & 19.05.2021 respectively

The following changes are being incorporated in the above referred Tender Enquiry Document

**SECTION I
NOTICE INVITING TENDER (NIT)**

(1)

Existing:

Sl.No	Tender ID	Name of the Item	Qty	Tender Processing Fees with GST	EMD Amount
1	2021_HLL_72064_1	Orthopedic table with attachments	22	Rs. 2,950	Nil
2	2021_HLL_72064_2	Cautery Machine with Vessel Sealing	11	Rs. 1,770	Nil
3	2021_HLL_72064_3	Cautery machine	22	Rs. 1,770	Nil
4	2021_HLL_72064_4	Suction machine	44	Rs. 590	Nil
5	2021_HLL_72064_5	C-arm	22	Rs. 2,950	Nil
6	2021_HLL_72064_6	Tourniquet	22	Rs. 1,770	Nil
7	2021_HLL_72064_7	Battery operated drills	22	Rs. 2,950	Nil
8	2021_HLL_72064_8	General orthopedic instruments (Set 1 to 6)	22	Rs. 1,770	Nil
9	2021_HLL_72064_9	Plaster saw and equipments	44	Rs. 590	Nil
10	2021_HLL_72064_10	Arthroscopy System	11	Rs. 2,950	Nil
11	2021_HLL_72064_11	Orthopedic Bed (SS) with Balkan frame with traction attachment – 4 nos	44	Rs. 2,950	Nil

Read as:

Sl.No	Tender ID	Name of the Item	Qty	Tender Processing Fees with GST	EMD Amount
1	2021_HLL_72064_1	Orthopedic table with attachments	22	Rs. 2,950	Nil
2	2021_HLL_72064_2	Cautery Machine with Vessel Sealing	11	Rs. 1,770	Nil
3	2021_HLL_72064_3	Cautery machine	22	Rs. 1,770	Nil
4	2021_HLL_72064_4	Suction machine	44	Rs. 590	Nil
5	2021_HLL_72064_5	Deleted			
6	2021_HLL_72064_6	Tourniquet	22	Rs. 1,770	Nil
7	2021_HLL_72064_7	Battery operated drills	22	Rs. 2,950	Nil
8	2021_HLL_72064_8	General orthopedic instruments (Set 1 to 6)	22	Rs. 1,770	Nil
9	2021_HLL_72064_9	Plaster saw and equipments	44	Rs. 590	Nil
10	2021_HLL_72064_10	Deleted			
11	2021_HLL_72064_11	Orthopedic Bed (SS) with Balkan frame with traction attachment – 4 nos	44	Rs. 2,950	Nil

SECTION VI LIST OF REQUIREMENT

PART-I

Existing

Sl.No	Tender ID	Name of the Item	Qty	Warranty Period	CMC Period
1	2021_HLL_72064_1	Orthopedic table with attachments	22	5 Years	5 Years
2	2021_HLL_72064_2	Cautery Machine with Vessel Sealing	11	5 Years	5 Years
3	2021_HLL_72064_3	Cautery machine	22	5 Years	5 Years
4	2021_HLL_72064_4	Suction machine	44	5 Years	5 Years
5	2021_HLL_72064_5	C-arm	22	5 Years	5 Years
6	2021_HLL_72064_6	Tourniquet	22	5 Years	5 Years

7	2021_HLL_72064_7	Battery operated drills	22	5 Years	5 Years
8	2021_HLL_72064_8	General orthopedic instruments (Set 1 to 6)	22	5 Years	5 Years
9	2021_HLL_72064_9	Plaster saw and equipments	44	5 Years	5 Years
10	2021_HLL_72064_10	Arthroscopy System	11	5 Years	5 Years
11	2021_HLL_72064_11	Orthopedic Bed (SS) with Balkan frame with traction attachment – 4 nos	44	5 Years	5 Years

Read As

Sl.No	Tender ID	Name of the Item	Qty	Warranty Period	CMC Period
1	2021_HLL_72064_1	Orthopedic table with attachments	22	5 Years	5 Years
2	2021_HLL_72064_2	Cautery Machine with Vessel Sealing	11	5 Years	5 Years
3	2021_HLL_72064_3	Cautery machine	22	5 Years	5 Years
4	2021_HLL_72064_4	Suction machine	44	5 Years	5 Years
5	2021_HLL_72064_5	Deleted			
6	2021_HLL_72064_6	Tourniquet	22	5 Years	5 Years
7	2021_HLL_72064_7	Battery operated drills	22	5 Years	5 Years
8	2021_HLL_72064_8	General orthopedic instruments (Set 1 to 6)	22	5 Years	5 Years
9	2021_HLL_72064_9	Plaster saw and equipments	44	5 Years	5 Years
10	2021_HLL_72064_10	Deleted			
11	2021_HLL_72064_11	Orthopedic Bed (SS) with Balkan frame with traction attachment – 4 nos	44	5 Years	5 Years

SECTION VII
Technical Specifications
AMENDMENTS

Item No. 1 ORTHOPAEDIC OPERATING TABLE with ACCESSORIES (2021_HLL_72064_1)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 46 Para 2 c)	Radiolucent Perineal Post- child and adult size	Radiolucent Perineal Post- 2 Nos
Pg 46 Para 2 e)	Should be able to slide longitudinally more than 250mm both side.	Should be able to slide longitudinally 250mm or more
Pg 46 Para 4	Two foldable and detachable radiolucent traction bars fixed beneath the seat plate with two adjustable pivot joints.	Single/Two foldable and detachable radiolucent traction bars fixed beneath the seat plate with single/two adjustable pivot joints. The tractions bars should be independently adjustable.
Pg 46 Para 7	Additional radiolucent attachment/ plate for orthopaedic intervention in paediatric patients	Orthopaedic intervention in paediatric patients should be possible
Pg 46 Para 8	Detachable pads made of foam core, approximately 50mm thick, should be molded and radiolucent	Detachable pads made of foam core, approximately 50mm or more thick, should be molded and radiolucent
Pg 46 Para 9 a)	Table Top height range- 70cm – 120cm	Table Top height range : 70cm or less – 100cm or more (without mattress)
Pg 46 Para 9 b)	Trendelenburg/ Reverse Trendeleburg –upto 30 degree	Trendelenburg/ Reverse Trendeleburg : 25deg or more
Pg 46 Para 9 c)	Lateral Tilt- 15-30 degree	Lateral Tilt : 15 degree or more
Pg 46 Para 9 d)	Motorised back plate up 80-90 degree and down upto -40 degree	Motorised back plate up 80-90 degree and down upto -30 degree
Pg 46 Para 9 f)	Battery capacity for approximately 2 weeks with average use	Battery capacity for approximately 2 weeks with average use/ 30 positions or more
Pg 46 Para 9 h)	Patient weight capacity >180kg for all positions.	Patient weight capacity 160kg or more for all positions with all ortho extension attachments.
Pg 46 Para 9 7	Well Leg Support system	Leg holder for non traumatic leg

Pg 47 Para 11	Beach chair position system with helmet type head rest for position of the patient along with radiolucent. shoulder plates	Beach chair position system with helmet type head rest for position of the patient along with detachable shoulder plates
Pg 47 Para 15	Mayfield attachment for cervical spine	Mayfield/Doro attachment for cervical spine
Pg 47 Para 23	RS 232 port/USB should be available for diagnostic and servicing purposes.	Deleted
Pg 47 Para 24	It should be USFDA and European CE approved and all accessories from the same manufacturer	It should be USFDA Certified or European CE with 4 digit notified body certified or BIS approved or ISO 13485 certified (from 4 digit notified body) with EC Declaration of conformity for the offered model. All accessories should be from the same manufacturer
		Added para : It should be supplied with Rack for Accessories
		Added Para : Traction kit for shoulder arthroscopy in lateral position along with weights should be supplied from principal manufacturer/OEM

Item No. 2 (ESU) WITH VESSEL SEALING SYSTEM (2021_HLL_72064_2)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 49 Para 7 7.1	Should be USFDA or European CE with 4 digit notified body number approved product	Should be USFDA or European CE with 4 digit notified body number or BIS approved product for quoted model.
	NA	Added Para : IEC 60601-1, 60601-1-2 & 60601-2-2 test reports for the quoted model should be submitted from any NABL accredited lab or from the lab in their country of origin (incase of foreign manufacturers).
Pg 50 BOQ	Bipolar forceps (non stick) with cable, straight (small and large), and Bayonet (small and large) : 2 Nos Each	Bipolar forceps (non stick) with cable, straight (small and large), and Bayonet (small and large) : 4 nos each

Pg 50 BOQ	Reusable Silicon neutral electrode for adults and children along, with cable and fixation device : 1 Nos Each OR Disposable : 100 Nos Each	Reusable Silicon neutral electrode for adults and children along, with cable and fixation device : 2 Nos Each OR Disposable : 100 Nos Each
Pg 50 BOQ	Sterilisable re usable electrode handle with finger switch with cable for electrode handle :2 Nos OR Disposable : 200 Nos	Sterilisable re usable electrode handle with finger switch with cable for electrode handle : 4 Nos OR Disposable : 200 Nos
Pg 50 BOQ	Reusable cable for connecting to standard mono polar and bipolar laparoscopic instruments : 2 Nos	Reusable cable for connecting to standard mono polar and bipolar laparoscopic instruments : 4 Nos

Item No. 3 Electro Cautery Machine (2021_HLL_72064_3)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 51 Para o	The maximum power of different type outputs should be as:- Monopolar Cutting Max - 300W- 400W Bipolar Cutting 90 W or more Bipolar Coagulation 90 W or more Spray Coagulation – Max 120 W at 300 Ohms	The maximum power of different type outputs should be as:- Monopolar Cutting Max -300W- 400W Bipolar Cutting 90 W or more Bipolar Coagulation 80 W or more Spray Coagulation – Max 120 W at 300 Ohms
Pg 51 Para q	The equipment should be European CE with 4 digit notified body no or US FDA safety standard. It should have IEC 60601-1 certificate	Should be USFDA or European CE with 4 digit notified body number or BIS approved product for quoted model. IEC 60601-1, 60601-1-2 & 60601-2-2 test reports for the quoted model should be submitted from any NABL accredited lab or from the lab in their country of origin (in case of foreign manufacturers).
Pg 51 BOQ SN 2	Reusable push button Handpiece : 4 Nos OR Disposable push button Handpiece : 200	Reusable push button Handpiece : 2 Nos OR Disposable push button Handpiece : 200
Pg 51 BOQ SN 5	Reusable Siliconearth pad : 4 Nos OR Disposable Siliconearth pad : 200 Nos	Reusable Siliconearth pad: 2 Nos OR Disposable Siliconearth pad : 200 Nos
Pg 51 BOQ SN 6	Bipolar forcep with cord straight & angled (18-19.5cm & 19-22.5cm) : 4 Nos each	Bipolar forcep with cord straight & angled (18-19.5cm & 19-22.5cm) : 2 Nos each

Item No. 4 Suction Machine (High Vacuum) (2021_HLL_72064_4)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 52 Para 1	High vacuum suction unit, run on electricity with two section jars of 4-5 liters capacity each.	High vacuum suction unit, run on electricity with two section jars made up of Polysulfone/Polycarbonate of 4-5 liters capacity each.
Pg 52 Para 5	It should be heavy duty and noiseless, with piston/cylinder technology.	It should be heavy duty and noise level less than 45 db , with piston/cylinder technology.
Pg 52 Para 13	Should be USFDA or European CE/BSI approved product	USFDA or European CE from 4 digit notified body or BIS approved product

Item No. 5 Mobile C-arm Image Intensifier (2021_HLL_72064_5)
The item is dropped

Item No. 6 Automatic Tourniquet System (2021_HLL_72064_6)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 55 Para 3	Ability to provide a specific Recommended Tourniquet Pressure (RTP) for each patient based on physiological characteristics.	Ability to provide a specific Tourniquet Pressure.
Pg 55 Para 15	Dual compressors to allow for independent control over cuffs “one” and cuff “two”, addressing the potential physiological differences in the patient	Dual compressors to allow for independent control over cuffs “one” and cuff “two”
Pg 55 Para 18	Battery backup of 4 hrs, so that it can be used during patient transport and to be used during a power failure. No interruption in the procedure while the cuff is inflated- Automatically transfers power to the battery.	Battery backup of 4 hrs or more , so that it can be used during patient transport and to be used during a power failure. No interruption in the procedure while the cuff is inflated- Automatically transfers power to the battery.
Pg 55 Para 19	Should sense, calculate and report the cuff pressure necessary to achieve complete blood occlusion in the operative limb.	Deleted
Pg 55 Para 21	Should be supplied with reusable cuff and conical cuffs of all sizes (small, medium & large – 2Nos each)	Should be supplied with reusable cuff of all sizes (small, medium & large – 2Nos each)
Pg 55	The system should be European CE / US FDA approved	The system should be European CE / US FDA approved/ BIS approved product

Item No. 7 Battery Operated Drill / Reamer and saw for joint Replacement (2021_HLL_72064_7)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Para 56	Should have dual trigger for forward/ reverse and oscillation mode	Should have dual trigger for forward/ reverse (for drilling & reaming) and oscillation (for saw) mode
Para 56	Minimum speed of 1200 rpm and should have variable speed control on the hand piece	Minimum speed of 800 rpm and should have variable speed control on the hand piece
Para 56	Should have two speed controls with standard and fast mode.	Should have adjustable speed controls
Para 56	Blade mount should be adjustable to different angles movement adjustable in 8 Steps to 45 Degree.	Blade mount should be adjustable to different angles movement adjustable in Steps to 30-45 Degree.
Para 56 Para 8	Sagittal Saw Blades all sizes & lengths.	Sagittal Saw Blades of sizes (1cm, 1inch) lengths - 10 Pcs of each
Para 56 Para 9	Reciprocating Saw should be a separate hand piece with blades of below sizes with minimum 12000 CPM. Width 19.5 Length 86MM, CUTTING THICKNESS 1.27MM, WIDTH 12MM. LENGTH 80MM, CUTTING THICKNESS 0.9MM WIDTH 21MM. LENGTH 85MM, CUTTING THICKNESS 0.9MM ACL Blade WIDTH 9.50mm, LENGTH 25.50mm, CUTTING THICKNESS 0.60mm	Reciprocating Saw should be a separate hand piece with blades of below sizes with minimum 12000 CPM. 1. Width 19.5 Length 86MM, CUTTING THICKNESS 1.27MM, : 10 Nos 2.WIDTH 12MM. LENGTH 80MM, CUTTING THICKNESS 0.9MM : 10 Nos 3. WIDTH 21MM. LENGTH 85MM, CUTTING THICKNESS 0.9MM ACL Blade : 10 Nos 4. WIDTH 9.50mm, LENGTH 25.50mm, CUTTING THICKNESS 0.60mm : 10 Nos
Para 56 Para 11	ACL Blades: Width 9.5mm, Length- 25.5mm, Cutting Thickness- 0.6mm.	ACL Blades: Width 9.5mm, Length- 25.5mm, Cutting Thickness- 0.6mm. : 10Nos
Para 56 Para 12	Mettal cutting	Mettal cutting Drill Bits 2.5mm-3.2mm and 4.5mm : 10 Nos each
Para 56 Para 13	Burs for cement removal and sculpting.	Deleted
Para 56 Para 14	Should have Nickel Cadmium autoclavable Standard and Small Battery	Should have rechargeable battery. The rechargeable battery/battery case should be autoclavable.

Para 56 Para 16	The system should be European CE/ US FDA approved and all accessories should be from same manufacturer	The system should be European CE/ US FDA/ BIS approved and all accessories should be from same manufacturer
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Item No. 9 Plaster Cutting Saw (2021_HLL_72064_9)		
Pg 66 Para vii	System should be European CE / US FDA approved	System should be European CE / US FDA/ BIS approved

Item No. 10 Arthroscopy System (2021_HLL_72064_10)		
The item is dropped		

Item No. 11 Orthopaedic Bed (SS) (2021_HLL_72064_11)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 68 Para 3 3.1 3	It should have three sectional mattress and seat section should have large perineal cut. The mattress thickness should be 50mm or more.	The mattress thickness should be 50mm or more.
Pg 68 Para 3 3.1 6	Should have retractable foot section with indication for locking, so as to convert bed into table.	Deleted
Pg 68 Para 3 3.1 8	Should have adjustable leg rests available as an accessory	Deleted
Pg 68 Para 3 3.1 13	It should have adjustable foot supports for nursing staff	Deleted
Pg 69 Para 7.1	Should be European CE or US FDA	Should be European CE or US FDA or BIS Approved

Item No. 8 General Orthopaedic Instruments (2021_HLL_72064_8)

The tendered technical specification of the item is replaced with the following revised technical specifications.

General Orthopaedics Instrument		
General Orthopaedics Instrument- Set No.1		
Tender Page & Para	DISCRIPTION	QTY
1	Langenback Retractors- (10 pairs of each)	
	I. Mini Langenback Retractor 10mm depth*6mm width	20
	II. Lagenback Retractor 22mm depth *8mm width	20
	III. Kocher Lagenback Retractor 40 mm depth *11mm width	20
	IV. Legenback Retractor 30 mm depth *11 mm width	20
2	Hohmann"s Retractor	
	I. 8mm Blade	6
	II. 10 mm Blade	6
	III. 20 mm Blade	6
	IV. 40 mm Blade	6
3	Hip Retractor set with quadrilateral frame and six spare blade (Charnleys retractor)	2
4	Jacob"s Drill open type (Hand Drill)	10
5	BP Knife handles	
	No 3 size	20
	No 4 size	20
	No 5 size	20
6	Deleted	—
	Deleted	—
	Deleted	—
	Deleted	—
7	Hammer	
	I. Collin mallet	12 Nos
	II. Gerzog mallet	10 Nos
	III. Nylon faced Hammer	10 Nos
8	Deleted	
	Deleted	—
	Deleted	—
	Deleted	—
9	Bone holding forceps	
	Lane"s- Small, Medium, Large size 3 pairs each	18
	Forguson"s -Small, Medium, Large size 3 pairs each	18

	Hey Grove"s-Small, Medium, Large size 3 pairs each	18
	Burn"s-Small, Medium, Large size 2 pairs each	12
10	Bone forceps with wire passer (two blunt blades with hole for passing K wire to fix phalanx fractures)	10
11	Bone reduction forceps with radiolucent attachment to pass wire to fix the fractures	5
12	Forearm clamps with provision for passing plates without removing the clamp	5
13	Wire holding forceps	20
14	Wire holding pliers	
	Small	10
	Large	10
15	Wire blending pliers- 5 each of blunt tip and sharp tip	10
16	K Wire tensioner	10
17	Wire passer	10
18	Bending Irons for 3.5mm plates (5Pairs)	10
19	Bending Irons for 4.5mm plates (5Pairs)	10
20	Bending Irons for reconstruction plates (5 Pairs)	10
21	K Wire traction set Complete	
	a. Each set should contain	
	I. Kirschner stirrup for wire extension	5
	II. K Wire double ended 200mm	50
	b. Each set should contain	
	I. Gissane stirrup for wire extension	5
	li. K Wire double ended 200mm	50
22	Bohler"s Stirrups of assorted size	20
23	Bernhard Towel forceps 6"	50
	Backhaus Towel forceps 5"	100
24	Slim Maier sponge holding 11"	50
25	Deleted	-
26	Skin hooks	20
	Gillies of size 1 & 3	10 each
27	Amputation saw (Charriere Type)	3
28	Bone Curette	
	I. Volkman all size (Length 6 inch, cup size 4, 6,8,10 mm) (3 each)	Total 12
	II. Maartini Curettes (Length 6 inch, cup size 4, 6, 8 mm) (2 each)	Total 6
29	Patella Holding forceps, 4 prong, 3prong (4 each)	Total 8
30	Pointed reduction clamp (AO type, small, medium, large) (4 pairs each)	Total 24
31	AO type self centric forceps, (AO type- small, medium, large) (4 pairs each)	Total 24
32	Low man clamp, small, medium, large (3 Nos each)	Total 9
General Orthopaedics Instruments - Set No 2		

	Following instruments made good quality stainless steel with long lasting cutting edge	
	Specifications	
	DESCRIPTION	
1	Depth Gauge for mini screws	
	1. 1.5mm to 2.5mm screw	5
	2. 2.0mm to 2.5mm screw	5
	3. 2.7mm to 4.0mm screw	5
	4. 4.5mm screw	5
2	Tap sleeve for	
	4.5mm tap	10
	3.5mm tap	10
3	Drill Sleeve for	
	3.2mm drill bit	10
	2.5mm drill bit	10
4	Autoclavable storage box for AO type screw	5
5	Autoclavable storage box with trays for AO type plating instrument set- approx size 6x8x18 inches	5
6	AO type damage screw removal set	2
7	Small fragment plating instrument with implant set complete	2 sets
	Should consist of the following :	
	I. Small fragment instrument set (3.5mm) in autoclavable box	1 No
	II. Small screw box	
	Contain the box :	
	Cortical screw 3.5mm	
	10mm	10 unit
	12mm	12 unit
	14mm to 40mm (18 units Each)	252 units
	Cancellous Screws 4mm	
	10mm to 50mm (5 units each)	105 units
	Screw holding forceps	1
	Storage and sterilization case with tray	1 no.
	iii. Box containing small plates.	
	D.C. Plates Small 4 hole	4 No.
	D.C. Plates Small 5 hole	8 No.
	D.C. Plates Small 6 hole	12 No.
	D.C. Plates Small 7 hole	8 No.
	D.C. Plates Small 8 hole	5 No.
	Storage and sterilization box	1 No.
8	Instruments and Implants for Narrow and Broad	
	Dynamic Compression Plating Set	
	Should consist of the following	
	I. Basic instrument set for 4.5mm plating	1 No.
	Storage and autoclave box for above	1 No.

	II. Screw Box Containing the following	
	Cortical Screws 4.5mm 14mm to 28mm (8 No. Each)	64 No.
	Cortical Screws 4.5mm 30mm	16 No.
	Cortical Screws 4.5mm 32mm	14 No.
	Cortical Screws 4.5mm 34 to 40mm (12 No. Each)	48 No.
	Cortical Screws 4.5mm 42 & 44mm (06 No. Each)	12 No.
	Cortical Screws 4.5mm 46mm & 48mm (09 No. Each)	18 No.
	Cortical Screws 4.5mm 50mm & 60mm (02 No. Each)	04 No.
	Cancellous Screw 6.5mm 32mm Thread	
	40mm to 50mm (4 no. each)	12 No.
	55mm to 65 mm (3 No. each)	9 No.
	70 to 95mm (2 No. each)	12 No.
	Cancellous Screw 6.5mm 16mm Thread	
	30 & 35mm (4 No. Each)	8 No.
	40mm to 50mm (6 No. Each)	18 No.
	55mm to 65mm (2 No. Each)	6 No.
	70mm & 75mm (3 No. Each)	6 No.
	80mm to 95mm (2 No. Each)	8 No.
	Malleolar Screws 4.5mm	
	25mm to 75mm (2No. Each)	22 No.
	Storage and sterilization box	1 No.
	III. Dynamic compression plates	
	Narrow 4 hole to 8 hole (2 No. Each)	10 No.
	9 hole to 12 hole (1 No. Each)	4 No.
	Broad 5 hole to 8 hole (2 No. Each)	8 No.
	9 hole to 14 hole (4 No. Each)	24 No.
9	Wiring instrument set	4 sets
	Each set Should consist of the following :	
	Wire Tightner with pegs- 01	
	Wire passer with Synthetic Handle- 01	
	Double wire cutter Large- 01	
	Wire bending pliers Large with side cutter- 01	
	Wire Holder- 00	
	Forceps for Holding Cerclage Wire-00	
	Box for instrument set- 6x6x12 inches	
10	Femoral Nail Extractor Sets	2
11	Long handled bone curette	
	Non serrated edge (Charnley Curette) 380 mm	10
	Serrated edge (Length 30 cm, Cup size 7 mm x 12 mm)	10
12	Gigli Saw Instrument Set	5
	Each set should contain	
	I. Gigli saw handle (3 pairs)	6
	II. Gigli saw wires	30 Nos.
13	Deleted	-

14	Patella wire passer	4
15	Ring Cutter	4
General Orthopaedics Instrument - Set 3		
	DESCRIPTION	
1	Bone Rongeur - Double Action	
	Small size 18cm	10
	Medium size 23cm	10
	Large size 27cm	10
	Sergent Bone Rongeur	4
	Buckbill Bone Rongeur	4
	Lacksell Bone Rongeur	4
2	Bone Cutter - Double Action straight & curved	
	Small size 18 cm	10
	Medium size 23cm	10
	Large size 27cm	10
	Tudur Edward	4
3	K-Wire Cutter (Capacity 4mm) with replaceable tungsten carbide	
	Blades with rubber Jaw Set	10 Sets
	Should consist of :	
	I. K-Wire cutter 28cm	
	II. Spare blades 4 pairs with Screw	
	III. Spare rubber Jaw 4 pairs with Screw	
	IV. Allen keys 4 sets	
4	Steinmann pin cutter cutting capacity up to 6mm	5
5	Bone Currete Double Ended Round/Oval	
	Small 13cm	0
	Medium 16cm	0
6	Loute wire tightener cum wire cutter	5
7	Wire bending cum cutter plier length 15cm	10
8	Osteotomes, straight with Steel handle, 5 each of size	20
	7,10,15,20mm width	
9	Osteotomes, curved with Steel handle, 5 each of size	20
	7,10,15,20,mm width	
10	Osteotomes, straight with tufnol handle, 5 each of size	25
	4,6,8,10, 12 mm	
11	Chisel straight with tufnol handle 5 of each size	20
	7,10,15,20 mm	
12	Retractors	
	Wullstein-Weitlaner Self-Retaining Retractor 3*3 Teeth Blunt Length 13 cm	20
	Weitlaner Self-Retaining Retractor 3*4 Teeth Blunt Length 16.3cm	20
	Adson Self-Retaining Retractor 3*4 Teeth Blunt Length 26cm	20

	Gelpi Self-Retaining Retractor with Balls, Blunt Length 18cm	20
13	Elevators	
	FarabeufPerostel Elevator, Straight 13mm Length 15cm	20
	FarabeufPerostel Elevator, Curved 13mm Length 15cm	20
	Lambotte Periosteal Raspatory And Elevator, Curved 10mm Length 21 cm	20
	Mc Donald Elevator Double Ended Curved6/6 Length 19cm	15
	Cobbs Elevator Medium 13mm with Long Handle	10
	Cobbs Elevator Medium 19mm with Long Handle	10
	Bristows	10
14	Bolt Cutter	
	Bolt Cutter maximum Capacity Dia 6mm Length 56cm	10
15	Lead Hand	
	Lead Hands for Adults	5
16	Jacob Chuck With Handle	
	Jacob Drill Three Jaw Chukn With key, Max Dia 6.35 mm Length 14cm	15
17	Awls	
	Deleted	-
	Deleted	-
18	Skin Grafting Handle With Blades	5
General Orthopaedics Instrument – Set 4		
	DESCRIPTION	
	1. DHS/DCS Triple Reamer	2
	2. Quick coupling for DHS,DCS triple reamer	2
	3. Key for Jacob’s reamer chuk-5 Nos for each size	10
	4. Seating chisel for condylar blade plate	2
	5. Router for quick coupling for condylar blade plate	2
	6. Screw driver for 3.5 mm screw	10
	7. Screw driver for 4.5 mm screw	10
	8. Templates for 3.5mm DCP plates	10
	9. Templates for 4.5mm DCP plates	10
	10. Bending plier for 3.5mm plates	4
	11. Bending plier for 4.5mm plates	4
	12. Tap for DHS Lag Screw	1
General Orthopaedics Instrument – Set 5		
	The following instruments are made of good quality of stainless steel	
	DISCRIPTION	
1	Hemireplacement instrument set complete	3 sets
	Each set should have	
	Femoral head size measuring gauge- 01	
	Femoral canal rasp(small, medium, large)- 03	
	Canal Finder- 01	

	Femoral neck box cutter- 01	
	With trial A.M Prosthesis one each of size	
	From 39mm, 41,43,45,47,49,51,53: (8Nos)	
2	Ilizarov instrument set complete	3 sets
	Each set should contain :	
	I. Half Rings 140,160,180 & 220 (10 Nos Each)	40 No.
	II. 5/8 Rings as above (3 each)	12 No.
	III. Wire fixation bolt Cannulated	200
	IV. Wire fixation bolt Slotted	200
	V. Connection Bolts	100
	VI. Nuts	500
	VII. Threaded Rod 100mm,125,150,200,50,300 (10 Nos Each)	60 No.
	VIII. Male Post & Female Posts 2,3 & 4 hole (10 Nos Each)	60 No.
	IX. Washers	200
	X. Twisted Plates 2,3,4 hole (10 Nos Each)	30 No.
	XI. K-Wires 1.8mm with trocar	100
	XII. K-wires 1.8mm with Bayonet	100
3	External Fixator Instrument Set Complete	3 sets
	Each set should contain :	
	Universal clamps for Tibia and femur	100 no.
	I. Tubular rod Assorted size 20,30 cm (10 Nos Each)	20 No.
	II. Schanz pin 4.5 & 5mm (50 Each)	100
	III. Transverse Clamps	10 Nos
	IV. Tube to Tube clamp	10 Nos
	V. Delta Clamps	10 Nos
	VI. Mini clamps 2.5mm	50
	VII. Mini clamps 3.5mm	50
	VIII. Schanz Pin 2.5mm	50
	IX. Schanz Pin 3.5mm	50
	X. Connecting Rods 15 cm	5
	XI. Connecting Rods 20 cm	5
	XII. Spanner stainless steel 11mm	5
	XIII. Spanner stainless steel 8mm	5
4	Skull Traction Instrument Set Complete	5 sets
	Each set should contain :	
	I. Crutchfield Tongs- 25	
	II. Bur- 01	
5	Deleted	-
	Deleted	-
6	Manual Plaster set removal Complete	5 sets
	Each set should contain :	
	I. Cast Spreader Beeson 30cm- 01	

	II. Deleted	
	III. Engle Plaster Saw- 01	
	IV. Stille plaster shear 37 cm- 01	
7	Manual Tourniquet Set	5 sets
	Should consist of following	
	Pump- 01	
	Pressure Regulator- 01	
	Small, Medium & Large Size of Cuffs (2 Each)- 06	
General Orthopaedics Instrument – Set 6		
	GENREAL INSTRUMENTS FOR ORTHOPAEDIC SURGERY (LONG LASTING IMPORTED)	
	Specifications	
	1 SCISSORS	
	STANDARD SURGICAL SCISSOR BLUNT, STRAIGHT LENGTH 13 CM	10
	STANDARD SURGICAL SCISSOR BLUNT, STRAIGHT LENGTH 18.5 CM	10
	STANDARD SURGICAL SCISSOR BLUNT, CURVED LENGTH 13 CM	10
	STANDARD SURGICAL SCISSOR BLUNT, CURVED LENGTH 18.5 CM	10
	STANDARD SURGICAL SCISSOR SHARP, STRAIGHT LENGTH 13 CM	10
	STANDARD SURGICAL SCISSOR SHARP, STRAIGHT LENGTH 18.5 CM	10
	STANDARD SURGICAL SCISSOR SHARP, CURVED LENGTH 13 CM	10
	STANDARD SURGICAL SCISSOR SHARP, CURVED LENGTH 18.5 CM	10
	MAYO DISSECTING SCISSOR STRAIGHT LENGTH 14.5 CM	10
	MAYO DISSECTING SCISSOR STRAIGHT LENGTH 20 CM	10
	MAYO DISSECTING SCISSOR CURVED LENGTH 14.5 CM	10
	MAYO DISSECTING SCISSOR CURVED LENGTH 20 CM	10
	METZENBAUM DISSECTING SCISSOR BLUNT/BLUNT, STRAIGHT LENGTH 18 CM	10
	METZENBAUM DISSECTING SCISSOR BLUNT/BLUNT, STRAIGHT LENGTH 25 CM	10
	METZENBAUM DISSECTING SCISSOR BLUNT/BLUNT, CURVED LENGTH 18 CM	10
	METZENBAUM DISSECTING SCISSOR BLUNT/BLUNT, CURVED LENGTH 25 CM	10
	BEEBEE WIRE CUTTING SCISSOR BLUNT/BLUNT, STRAIGHT LENGTH 12 CM	3
	BEEBEE WIRE CUTTING SCISSOR BLUNT/BLUNT, CURVED LENGTH 12 CM	3
	LISTER BANDAGE AND PLASTER SHEAR SCISSOR LENGTH 20 CM	5
	BERGMANN BANDAGE AND PLASTER SHEAR, SCISSOR LENGTH 23 CM	5
	IRIS SCISSORS 11.5 CM STRAIGHT	5
	IRIS SCISSORS 11.5 CM CURVED	5

2	FORCEPS	
	USA STANDARD DRESSING FORCEPS LENGTH 14.5 CM	10
	USA STANDARD DRESSING FORCEPS LENGTH 20 CM	10
	ADSON DRESSING FORCEPS LENGTH 12 CM	10
	ADSON DRESSING FORCEPS LENGTH 15 CM	10
	TAYLOR DRESSING FORCEPS WITH DISSECTOR END LENGTH 17.5 CM	10
	TAYLOR DRESSING FORCEPS WITH DISSECTOR END LENGTH 18.5 CM	10
	BROPHY DRESSING FORCEPS STRAIGHT LENGTH 20 CM	10
	STANDARD TISSUE FORCEPS 1*2 TEETH LENGTH 14.5 CM	10
	STANDARD TISSUE FORCEPS 1*2 TEETH LENGTH 20 CM	10
	STANDARD TISSUE FORCEPS 1*2 TEETH MEDIUM WIDE LENGTH 14.5 CM	10
	STANDARD TISSUE FORCEPS 1*2 TEETH MEDIUM WIDE LENGTH 20 CM	10
	STANDARD TISSUE FORCEPS FINE 1*2 TEETH LENGTH 14.5 CM	10
	STANDARD TISSUE FORCEPS FINE 1*2 TEETH LENGTH 20 CM	10
	USA STANDARD TISSUE FORCEPS 1*2 TEETH LENGTH 14.5 CM	10
	USA STANDARD TISSUE FORCEPS 1*2 TEETH LENGTH 20 CM	10
	DEBAKEY ATRAUMATIC DISSECTING FORCEPS 1.5 MM STRAIGHT LENGTH 16 CM	10
	DEBAKEY ATRAUMATIC DISSECTING FORCEPS 1.5 MM STRAIGHT LENGTH 20 CM	10
	DEBAKEY ATRAUMATIC DISSECTING FORCEPS 2.7 MM STRAIGHT LENGTH 16 CM	10
	DEBAKEY ATRAUMATIC DISSECTING FORCEPS 2.7 MM STRAIGHT LENGTH 20 CM	10
	HALSTEAD – MOSQUITO FORCEPS STRAIGHT LENGTH 14 CM	60
	HALSTEAD – MOSQUITO FORCEPS CURVED LENGTH 14 CM	60
	HALSTEAD – MOSQUITO FORCEPS STRAIGHT LENGTH 21 CM	60
	HALSTEAD – MOSQUITO FORCEPS CURVED LENGTH 21 CM	60
	RANKIN – KELLY FORCEPS STRAIGHT LENGTH 16 CM	60
	RANKIN – KELLY FORCEPS CURVED LENGTH 16 CM	60
	NEGUS FORCEPS CURVED LENGTH 19 CM	20
	KOCHER (ROCHESTER – OCHSNER) FORCEPS 1*2 TEETH STRAIGHT LENGTH 18 CM	50
	KOCHER (ROCHESTER – OCHSNER) FORCEPS 1*2 TEETH STRAIGHT LENGTH 20 CM	50
	KOCHER (ROCHESTER – OCHSNER) FORCEPS 1*2 TEETH CURVED LENGTH 18 CM	50
	KOCHER (ROCHESTER – OCHSNER) FORCEPS 1*2 TEETH CURVED LENGTH 20 CM	50
	Mixer forceps – length 6 inch, serrated	10
	Mixer forceps – length 9 inch, serrated	10
1	NEEDLE HOLDERS	
	CRILE – WOOD NEEDLE HOLDER SERRATED P04,LENGTH 15 CM	20
	CRILE – WOOD NEEDLE HOLDER SERRATED P04,LENGTH 20 CM	20
	STRATIE NEEDLE HOLDER SERRATED P05, LENGTH 23 CM	10

GENERAL CONDITIONS	
1	The bidder has to provide demonstration of the quoted instruments if required.
2	All instruments should be from same principal manufacturer; in case any of the instrument is not manufactured by the principal manufacturer the same shall be offered from a second manufacturer; not exceeding 10% of total quantity of instruments. (In this case the principal manufacturer should submit an undertaking for non-production of the such instruments).
3	Deviation of +/- 10 % is acceptable in instrument size
4	The part number and name of manufacturer should be engraved on the each instrument
5	All Surgical instruments should be made of 4 series AISI 420 and AISI 410 steel and certified copy must have to submit at the time of tender submission.
6	Manufacturer should be ISO 13485 certified from a 4 digit notified body.

All other contents of the Tender enquiry including terms & conditions remain unaltered.

Note:

I. Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids