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Corrigendum-II

Bihar Medical Services and Infrastructure Corporation Limited (BMSICL) had invited E-Bids from the interested parties for Procurement, Rate contract, Supply, Installation of Medical Equipment on Turnkey Basis for LNJP Hospital Rajbanshi Nagar, Patna vide Re-Tender No.-BMSICL/2025-26/ME-480. After Pre-bid meeting various suggestions were received from different prospective bidders regarding amendment in technical specification & bid clauses, which were discussed and deliberated on by the experts. On the basis of their recommendations certain amendments in the technical specification have been made which is annexed as **Annexure-I** of this corrigendum. Rest of the term and conditions remain same as mentioned in bid document.

Enclosed- As Above

Sd/-

GM (Procurement)

BMSICL

Annexure-I

Department Name	Name of Equipment	Technical Specification as per Bid Document	Final Amendment
1. Main OT (Modular Operation Theatre)	1. Major Equipment-		No Change
	(Sl. No.-6) O-Arm Fluoroscopy Machine		O-Arm Fluoroscopy Machine with spine navigation system (Technical specification of Spine Navigation system is attached as annexure-A)
1. OPD - Consultant Rooms- 13	2. Minor Equipment & Instruments		No Change
	(Sl. No.-3)- Goniometer	USFDA/European CE (Issued by Notified Body) approved model should be offered.	USFDA/European CE (Issued by Notified Body)/BIS /ISO certified model should be offered.
10. Occupational Therapy	2. Minor Equipment & Instruments		No Change
	(Sl. No.-21)- Goniometer	USFDA/European CE (Issued by Notified Body) approved model should be offered.	USFDA/European CE (Issued by Notified Body)/BIS /ISO certified model should be offered.
9. Sports Injury (Physiotherapy) Department Occupational Therapy +	1. Major Equipment-		No Change
	(Sl. No.- 5) Hydrotherapy Unit (Optional)	Should be USFDA/ CE/ BIS Certified	No Change
	(Sl. No-8)-Ultrasound Combo Machine (IFT+TENS+EMS)	Should be USFDA/ CE/BIS Certified	No Change
	(Sl. No-6)- Gait Analysis System	Should be USFDA/ CE/BIS Certified	No Change
12. Special Toolings	Hand Tools -		
	(Sl. No-37) Cad Cam System		Deleted
Details of Surgical Instruments & Trays			Surgical Instruments & Trays as mentioned in technical specification is revised as per Annexure-B

Annexure-A

Technical Specification of Spine Navigation System

- The System should be easy to set up, user friendly, intuitive and should work under Linux/Unix/Windows operating system environment.
- The system should be a two-cart system having facility of keeping optical camera and viewing system together or separately to allow optimal use of O.T space. The System should have two monitors, one for the surgeon and the other for the OT/Technical staff or vice versa.
- Both the Monitors should be touchscreen with high resolution (1920 x 1200, 60Hz) with a viewable size of at least 25 inch widescreen or higher and the display should be visible at angles at least up to 80°.
- It should have optical tracking technology with passive instrumentation.
- The system must have USFDA and CE approval and the quoted model must have at least 10 successful installations in India which are more than 1 years old.
- The system should have Wi-fi and LAN and USB 3.0 connectivity for connecting to PACS system for image and data transfer
- System should have inbuilt firewall and antivirus security for cyber security.
- Easy access to storage for accessories and instruments
- System should have password security for software access.
- There should be a wireless control from the sterile field in form of surgeon mouse or touchscreen capability
- Screenshot and live video recording feature for documentation purpose with at least 16GB RAM and 1TB ROM
- Should have in-built Power backup UPS system for both carts.
- User manuals should be in English. If necessary Proper training programs/workshop should be arranged and trained manpower support for at least for initial 20 cases after installation or up to a period when the staff/technicians are trained in usage, handling, storage and proper sterilization methods of supplied equipment has to be ensured by the bidder.
- All items should be US FDA and European CE/BIS certified.
- Instruments not exactly as per description below but with similar functionality will be considered.
- Cost of Consumable should be quoted for future purchase and freeze for 2 years.
- Should perform calibration yearly & preventive maintenance half yearly during warranty & CMC which will include spares replacement, Preventive Maintenance & Breakdown calls.
- Demo of the quoted model (Anywhere across the globe), will be mandatory at the cost of bidder if so desired by the user, after the opening of the technical bid and prior to opening of financial bid. This is for technical evaluation
- Compliance report to be submitted in a tabulated and point-wise manner, clearly mentioning the page/para number with authenticated catalogue /manual, without which it will not be considered. Points not covered in the brochure must be specifically addressed in a separate certificate.
- Quoting company should have relevant experience in successful execution of similar work in at least 3 to 4 institute of national importance or central government institute and performance certificate of the same should be attached.

Spine Application:

- The Spine Application should be a unified Spine Application which should comprise of 3D Spine (Spine Navigation with Spine CT Data) and Virtual Fluoroscopy Navigation for Spine.
- The Application should be able to memorize multiple surgeon preferences for each procedure
- The system should be ready to be integrated with intra-op 2-D and 3-D C-arm, O-arm, etc.
- It should be able to do a customized setup and automated functionality check
- It should have universal instrument adapter tracking system with passive option for tracking existing instruments in the department like drills and endoscopes.

- The system should be open, Universal instrument adaptor should be provided to use screw of any Company it should not be restricted to one company screw.
- The system should be provided with image guided spinal instruments like Awl/Probe/Tap(4.5,5.5MM Tap) system with straight or T-handles option should be from OEM for better Accuracy and Patient Safety.
- Transfer of spine exams to the navigation system should be possible with USB stick.
- The System should be provided with Navigation instruments for Minimal Invasive Spine Procedure with minimally invasive clamps, Navigable Jamshidi, First Dilator etc.
- The System should have Navigable instruments for treating upper spine with e.g., range of taps, drill bits, screwdriver.
- Spinal navigation package should allow the application of region mapping and pre-op screw planning
- The system should have Virtual Projection option with adjustable width and length of the probe order to get better trajectory understanding.
- Every instrument should have facility to be compatible with both a right- and left-handed Surgeon.
- Software should have video recording and snapshot capture feature to capture the navigation Screen
- C- arm Tracker must be provided for 2D C arm available in the OT if 3D Carm/ O- Arm is not Procure.
- Software should have capability to merge CT and Fluoroscopic images for Navigation.
- Software should automatically identify new instruments for tracking.
- Should come with factory calibrated Jamshidi Needle that is real-time navigable without even a single step calibration in Operation Theatre. The Jamshidi Needle also be such it can integrate the existing navigation in the Operation Theatre.

Annexure-B

Technical Specification as per Bid document		Qty.	After Amendment
5. SURGICAL INSTRUMENTS & TRAYS			No Change
	For Ward & CSSD		No Change
1	DRESSING SET	40 Sets	To be provided as mentioned in surgical Instruments & trays in the list of Main Items
	Scissor		
	Dressing Scissors Straight 15cm: 1		
	Dissecting Scissor Sharp/Blunt Str. 14 Cm: 1		
	Mayo Scissor Curved 14Cm: 1		
	Spencer Stitch Scissors 11cm: 1		
	Lister Bandage Scissor 14Cm: 1		
	Mayo Scissor Str 14Cm: 1		
	Lister Bandage Scissor 15.0 Cm: 1		
	Foreceps		
	Thumb Dressing Forcep 14Cm: 1		
	Kocher Forcep Cvd (12 Teeth) 14Cm: 1		
	Sinus Forceps 15cm: 1		
	Dissecting Forceps Straight, 1x2 teeth, 15cm: 1		
	Tissue Forcep (12 Teeth) 14Cm: 1		
	Kocher Forcep Str (12 Teeth) 14Cm: 1		
	Forceps Artery Straight, approx. 16cm, 1 x 2 teeth: 1		
	Sponge Holding Forceps 20cm: 1		
	Foerster Swab Forcep Straight Smooth 25.0 Cm: 1		
	Other Instruments & Accessories		
	Alcohol Swabs: 1		
	Carry Bag Supplied: Yes		
	Povidone Iodine Pad: 1		
	Kidney Tray , 8 Inch: 1		
	Surgical Tape (Roll): 1		
	Sterile: Yes		
	ISO 13485/ ISO 9001 Certified		
2	Suture Set	20 Sets	To be provided as mentioned in surgical Instruments & trays in the list of Main Items
	- Kidney Dish 20 cm (8") - medium		
	- Gallipot 150 ml - 6 oz - medium		
	- Mayo Hegar needle holder - 18 cm		
	- Kocher artery forceps - straight - 16 cm		
	- Kocher artery forceps - curved - 16 cm		
	- Dressing Forceps (Thumb) - 16 cm		
	- English TOE dissecting forceps - plain - 14 cm		

	- Dissecting forceps toothed 1x2 - 14 cm		
	- Suture scissors - Heaths Ligature - 15 cm		
	- Mayo scissors - straight - 15 cm		
	- Rampley sponge holding forceps - str. - 18 cm		
	- Instrument tray with lid 30 x 20 x 5 cm		
	ISO 13485/ ISO 9001 Certified		No Change
3	Suture Removal Set	20 Sets	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
4	Cut Down/ Venesection Set	6 Sets	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
5	COMMON SURGICAL INSTRUMENTS FOR CSSD STORE	6 Sets	To be provided as mentioned in surgical Instruments & trays in the list of Main Items
	Debakey Atraumatic Forceps		
	1.5mm, Straight, 300mm – Qty: 3		
	3.5mm, Straight, 350mm – Qty: 4		
	2.0mm, Straight, 350mm – Qty: 3		
	Angled 40°, 2.0mm, Straight, 240mm – Qty: 4		
	Angled 40°, 2.0mm, Straight, 200mm – Qty: 4		
	DeBakey-Rumel Atraumatic Dissecting & Ligature Forceps		
	Curved 75°, 250mm (9 3/4"), Toothing: DeBakey, Jaw length: 81mm – Qty: 2		
	DeBakey-Mixter Atraumatic Dissecting Forceps		
	Curved 75°, 285mm (11 1/4"), Toothing: DeBakey, Jaw length: 80mm – Qty: 2		
	DeBakey Atraumatic Dissecting & Ligature Forceps		
	Curved, 210mm, Toothing: DeBakey, Jaw length: 51mm – Qty: 2		
	Curved, 230mm (9"), Toothing: DeBakey, Jaw length: 75mm – Qty: 2		
	Leland-Jones Atraumatic Vascular Clamp		
	Angled 15°, 190mm (7 1/2"), Toothing: DeBakey, Jaw length: 77mm – Qty: 2		
	Barre Nerve Sparing Dissecting Forceps		
	Extra fine, Right Angle, Sharp, 280mm – Qty: 2		
	Mixter Thoracic Forceps		
	Right Angled, 400mm – Qty: 4		
	Needle Holder (DeBakey)		
	Very delicate, Serrated, 180mm, TC, 4-0 to 6-0 – Qty: 2		
	Atraumatic Allis Tissue Forceps		
	Straight, 350mm (14"), Toothing: DeBakey, Width: 8.4mm – Qty: 4		
	Atraumatic Babcock Forceps		
	240mm (9 1/2"), Toothing: DeBakey – Qty: 4		
	Wertheim Scissors		
	350mm, Curved, TC, Heavy – Qty: 2		
	Dissecting Scissors – Metzenbaum		

	200mm, Curved, TC, Delicate, Black, Serrated – Qty: 6		
	Dissecting Scissors – Nelson-Metzenbaum		
	285mm, Curved, TC, Serrated, Black – Qty: 2		
	350mm, Curved, TC, Serrated, Black – Qty: 2		
	Cooley Atraumatic Bulldog Clamp		
	Angled 40°, 120mm (4 3/4"), Toothings: Cooley, Jaw length: 50mm – Qty: 1		
	DeBakey-Beck Atraumatic Vena Cava Clamp		
	Curved, 210mm (8 1/4"), Satinsky-shaped, Toothings: DeBakey, Jaw length: 80mm, Width: 45mm – Qty: 2		
	Dorsal Venous Complex Clamp		
	Blade angle 10°, 200mm – Qty: 2		
	HOPT Atraumatic Kidney Clamp		
	Angled, 200mm (7 7/8"), Toothings: DeBakey, Jaw length: 50mm – Qty: 1		
	St Mark Pelvis Retractor		
	130 x 60mm, 260mm – Qty: 2		
	Lloyd-Davies Rectum Anastomosis Clamp		
	Angled 90°, 315mm (12 1/2") – Qty: 1		
	Wertheim Clamp Forceps		
	Angled 90°, 250mm (9 3/4"), Toothings: DeBakey, Jaw length: 67mm – Qty: 1		
	Purse String Clamp		
	280mm (11"), Jaw length: 60mm (2 3/8") – Qty: 1		
	St Marks (Modified Girona) Wound Retractor		
	210mm (8 1/4"), Depth: 40mm, Width: 160mm – Qty: 1		
	SIMS Rectal Specula (Loop Blade)		
	For adults, 83 x 20mm, 235mm (9 1/4") – Qty: 1		
	Dissecting Forceps – Mini-Gemini		
	Curved, Right Angled, 180mm – Qty: 4		
	Curved, Right Angled, 200mm – Qty: 4		
	ISO 13485/ ISO 9001 Certified		No Change
2	Autoclavable Trays Laser Cut		No Change
1	S.S PERFORATED TRAY, WITH HANDLE, AISI 304, 12 " X 10" X 3"	25	No Change
	S.S PERFORATED TRAY , WITH HANDLE, AISI 304, 12 " X 10" X 3" Should be ISO 13485/ ISO 9001 certified		No Change
2	S.S PERFORATED TRAY, WITH HANDLE, AISI 304, 16 " X 11" X 3 1/2"	25	No Change
	S.S PERFORATED TRAY WITH HANDLE, AISI 304, 16 " X 11" X 3 1/2" Should be ISO 13485/ ISO 9001 certified		No Change
3	S.S PERFORATED TRAY, WITH HANDLE, AISI 304, 18 " X 12" X 3 1/2"	25	No Change

	S.S PERFORATED TRAY WITH HANDLE, AISI 304, 18 " X 12" X 3 1/2" Should be ISO 13485/ ISO 9001 certified		No Change
4	SS Tray With Lid for Dressing Large	40	No Change
	1 Material: High-grade stainless steel (SS 304 or equivalent)		No Change
	2 Tray Dimensions: Approximately 450 mm (L) x 300 mm (W) x 60 mm (H)		No Change
	3 Capacity: Suitable for holding dressing instruments, gauze, and antiseptics		No Change
	4 Lid Type: Flat/lipped stainless steel lid with firm grip		No Change
	5 Lid Fit: Secure and snug-fitting to prevent contamination		No Change
	6 Surface Finish: Mirror / Matt polished		No Change
	7 Edges: Smooth, rounded edges to prevent injury		No Change
	8 Corrosion Resistance: Rustproof and stain-resistant		No Change
	9 Autoclavable: Yes (resistant to high-temperature sterilization)		No Change
	10 Durability: Heavy-duty, long-lasting under repeated use		No Change
	11 Joint Construction: Seamless welds or fully pressed body (no sharp joints)		No Change
	12 Handles (if applicable): Optional side handles for easy lifting		No Change
	13 Weight: Approximately 1.5 – 2.5 kg (depending on gauge)		No Change
	14 Thickness (Gauge): 0.6 mm – 0.8 mm SS sheet		No Change
	15 Cleaning Compatibility: Dishwasher safe / Manual cleaning		No Change
	16 Application: For storing and transporting sterile dressing items		No Change
	17 Compliance: ISO 9001 / ISO 13485 / CE Certified		No Change
5	SS Tray With Lid	40	No Change
	1 Item Name: SS Tray with Lid		No Change
	2 Type: General-purpose medical tray with cover		No Change
	3 Material: Medical-grade stainless steel (SS 304 or equivalent)		No Change
	4 Surface Finish: Mirror or matte polish (non-reflective optional)		No Change
	5 Tray Size: Available in multiple sizes (e.g., 150x100 mm, 225x150 mm, 300x200 mm, 450x300 mm)		No Change
	6 Depth/Height: Typically ranges from 30 mm to 60 mm based on size		No Change
	7 Lid Type: Flat or slightly domed stainless steel lid		No Change
	8 Lid Fit: Snug and secure to maintain hygiene and prevent spillage		No Change
	9 Edge Design: Smooth, rounded edges to prevent cuts and ensure safety		No Change
	10 Wall Construction: Deep drawn or seamless for easy cleaning		No Change
	11 Gauge/Thickness: 0.6 mm – 0.8 mm (standard for hospital use)		No Change
	12 Corrosion Resistance: Rustproof and chemically resistant		No Change
	13 Sterilization Compatibility: Fully autoclavable and disinfectant-safe		No Change

	14 Durability: Long-lasting under repeated sterilization and handling		No Change
	15 Cleaning: Suitable for manual and machine washing		No Change
	16 Uses: Dressing, surgical instruments handling, wound cleaning setup		No Change
	17 Certifications: CE marked / ISO 13485 compliant		No Change
	18 Weight: Varies by size; approx. 0.5 kg to 2.5 kg		No Change
	19 Packaging: Individually packed or bulk as per requirement		No Change
	ISO 13485/ ISO 9001 Certified		No Change
6	Gallipot	200	No Change
	Stainless Steel (SS 304)		No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
7	Kidney Tray Small	100	No Change
	Stainless Steel (SS 304)		No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
8	Kidney Tray Large	100	No Change
	Stainless Steel (SS 304)		No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
3	Ortho Set		No Change
1	Major Set	20 Sets	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
2	Minor Set	20 Sets	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
3	Hand Surgery Set	5 Sets	To be provided as mentioned in surgical Instruments & trays in the list of Main Items
	1.5mm Instrument set		
	Drill Bit ϕ 1.1 mm		
	Locking Screw Drill Sleeve, ϕ 1.1 mm		
	Countersink, ϕ 1.1/ ϕ 3mm		
	Double Drill Guide, ϕ 1.1/ ϕ 1.5mm		
	Tap, ϕ 1.5mm		
	Torx Screwdriver Shaft, T4 for 1.5mm Screw		
	PPSU lid		
	HPP caddy for 1.5 system		
	2mm Instrument Set		
	Drill Bit ϕ 1.5mm		
	Locking Screw Drill Sleeve ϕ 1.5mm		
	Countersink, ϕ 1.5 ϕ 3.5mm		
	Double Drill Guide, ϕ 1.5/ ϕ 2.0mm		
	Tap, ϕ 2.0mm		
	Torx Screwdriver Shaft, T6 for 2.0mm Screw		
	PPSU lid		
	HPP caddy for 2.0 system		
4	Soft Tissue Set	5 Sets	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change

5	3.5 Bone Holding Set	10 Sets	To be provided as mentioned in surgical Instruments & trays in the list of Main Items
	Drill Bit 2.5, Length 180mm:1		
	Drill Bit 2.7, Length 150mm:1		
	Drill Bit 305, Length 200mm :1		
	Locking Drill Bit (QC) 1.8mm, Lenth 165mm :1		
	Locking Drill Bit (QC) 2.0mm, Lenth 150mm:2		
	Locking Drill Bit (QC) 2.8mm, Lenth 165mm:2		
	Counter sink 3.5mm (Q.C):1		
	Bone tap (Q.C) 2.7mm x 130mm:1		
	Bone tap (Q.C) 3.5mm x 130mm:1		
	Bone tap (Q.C) Cancellous 4mm x 130mm:1		
	Triple Drill Guide 2mm:1		
	Combined Drill and Tap Sleeve 1.8/2.4mm:1		
	Combined Drill and Tap Sleeve 2.0/2.7mm:1		
	Combined Drill and Tap Sleeve 2.5/3.5mm:1		
	Neutral and Eccentric Drill Guide for 2.5/3.5mm:1		
	Depth Gauge 50mm for 2.7mm Screw:1		
	Hexagonal screw Driver Shaft for screws SW 2.0mm:1		
	Hexagonal screw Driver Shaft for screws SW 2.5mm:1		
	srew Driver (SW 2.5mm) with silicon Handle for screws 3.5/4.0mm:1		
	srew holder (SW 2.5mm) with silicon Handle for screws 3.5/4.0mm:1		
	Torque Handle 1.5NM:1		
	Locking Drill Sleeve 1.5mm:1		
	Locking Drill Sleeve 1.8mm:2		
	Locking Drill Sleeve 2.0mm:2		
	Locking Drill Sleeve 2.8mm:2		
	Hohman Refractor Width 6mm, Length 160mm:1		
	Hohman Refractor Width 8mm, Length 160mm:1		
	Hohman Refractor Broad Shank, width 15mm, Length 160mm:1		
	Threaded late Holder for 305mm plate:2		
	Push Pull Reduction Device:1		
	Plate Pull Reduction device:1		
	Plate bender small (pair):1		
	Periosteal Elevator with Silicon Handle 6mm curved with Round Shaft:1		
	Sharp Hook:1		
	screw Holding Forceps:2		
	Reduction Forceps Serrated 160mm (R.Lock):2		
	Self Centering Bone Holding Forceps Speed lock Lenth 190mm:1		
	Screw Rack 3.5/2.7mm (Empty):1		
6	4.5 Bone Holding Set	10 Sets	To be provided as mentioned in surgical Instruments & trays in the list of Main Items
	Drill Bit (Q.C) 3.2mm, Length 170mm: 1		
	Drill Bit (Q.C) 3.2mm, Length 195mm: 1		
	Drill Bit (Q.C) 4.5mm, Length 170mm: 1		

	Drill Bit (Q.C) 4.5mm, Length 195mm: 1		
	Locking Drill Bit (Q.C) 4.3mm with stopper, Length 225mm: 1		
	Counter Sink 4.5mm (Q.C): 1		
	Bone Tap (Q.C) 4.5mm, Length 200mm: 1		
	Bone Tap (Q.C) 6.5mm Cancellous, Length 200mm: 1		
	Quick Coupling handle: 1		
	Combined drilled and tap sleeves, 3.2/4.5mm: 1		
	Combined drilled and tap sleeves, 3.2/6.5mm: 1		
	Neutral and eccentric drill guide for 3.2/4.5mm: 1		
	Depth gauge large 90mm for 4.5mm screw: 1		
	Hexagonal screw driver shaft for screws SW3.5mm: 1		
	Screw driver (SW 3.5mm) with silicon handle for screws 4.5/6.5: 1		
	Screw holder (SW 3.5mm) with silicon handle for screws 4.5/6.5: 1		
	Torque Handle 4.0nm: 1		
	Guide wire sleeve 2.5mm : 1		
	Locking Drill Sleeve 5.0mm: 2		
	Locking Drill Sleeve 6.5mm: 2		
	Hohman retractor 18mm: 1		
	Hohman retractor 22mm: 1		
	Allen key, 2.5mm: 1		
	Threaded plate holder large for 4.5mm plate: 2		
	Plate bender large (pair): 1		
	Teriosteal elevator with silicon handle 12mm curved straight shaft: 1		
	Screw holding forcep: 1		
	Reduction forcep serrated, speed lock 225mm: 2		
	Self centring bone holding forceps, speed lock length 260mm: 2		
	Graphic container Aluminium: 1		
	Screw rack 4.5/6.5mm (Empty): 1		
7	Amputation Set	5 Sets	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
8	T.K.R. INSTRUMENTS SET	5 Sets	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
9	T.H.R. INSTRUMENTS SET	5 Sets	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
10	THR Separate Set	5 Sets	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
11	Hip Revision and Cement Removal Set With Box	2 Sets	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
12	Pelvic Instruments Set	2 Sets	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
13	Additional Instruments Set	10 Sets	No Change

	Should be ISO 13485/ ISO 9001 certified		No Change
14	Broken Screw Removal Set	5 Sets	To be provided as mentioned in surgical Instruments & trays in the list of Main Items
	Screw remove forceps - L: 200mm		
	Straight quick coupling handle - L: 125mm		
	T quick coupling handle - 100*85mm		
	Quick coupler - Triangle to AO coupling		
	Osteotome - 190*7mm		
	AWL - 165mm		
	Sharp Hook - 165mm		
	Hex Screwdrivers - SW1.5,2.0,2.5,3.0,3.5, 4.0,4.5, 5.0		
	Star Screwdriver - T 4, T6, T8,10,15,20,25,30; Dia2.1, 2.6, 3.1, 3.7		
	Square Screwdriver - 1.2/1.5mm		
	Cross screwdriver - 2.5/3.5mm		
	Slotted screw driver - 0.5/0.8mm		
	Socket screwdriver - Sw6/7/8/8-7.2		
	Trephine - 1.5/2.0/2.7/3.5-4.0 / 4.5-5.0/6.5mm		
	Trephine connect handle - 3.5/4.0/4.5/ 5.0/6.5mm		
	Trephine threaded pin - 3.5/4.0/4.5/ 5.0/6.5mm		
	Anti-slip screw Extractor - SW1.5,2.0,2.5,2.5s,3.0,3.5,4.0		
	Broken nut extractor sleeve - 3.5/4.0/4.5/5.0/6.5mm		
	Screw remove clamp - 2.0-3.5/3.5-5.-/5.5-7.3		
	Alloy drill bit - dis4.0,6.0mm		
	Screw remove clamp T handle		
	Screw remove clamp Wrench		
	Instrument Case		
15	Broken Nail Removal Set	5 Sets	To be provided as mentioned in surgical Instruments & trays in the list of Main Items
	End Cap Wrench 180mm: 1		
	Wrench Rod 5mm: 2		
	Wire Forcep cum Cutter: 1		
	Open Wrench 11mm: 1		
	Quick coupling screw driver SW2.5: 1		
	Quick coupling screw driver SW3.5: 1		
	Quick coupling screw driver SW4.0: 1		
	Quick coupling screw driver SW4.5: 1		
	Quick coupling screw driver SW5.0: 1		
	Locking Screw Extractor: 1		
	Quick Coupling T-Handle: 1		
	Extractor Chuck Universal Large: 1		
	Extractor Chuck Universal Small: 1		
	Blade Removal SW4.0: 1		
	Blade Removal SW4.5: 1		
	Nail Removal Connecting Bolt M6: 1		

	Nail Removal Connecting Bolt M8: 1		
	Nail Removal Connecting Bolt M8*1: 1		
	Nail Removal Connecting Bolt M10: 1		
	Nail Removal Connecting Bolt M10*1: 1		
	Nail Removal Connecting Bolt M11: 1		
	Blade Removal Handle: 1		
	Extrator Rod with Hammer: 1		
	Multi-Direction extractor handle : 1		
	Aluminium Box: 1		
16	Flexible Fixed Head Reamers	10 Sets	No Change
	Non-detachable fixed head reamer with a torque-transmitting flexible shaft.		No Change
	Available in diameters from 6 mm to 18 mm in 1 mm increments.		No Change
	Standard working length between 300 mm and 460 mm.		No Change
	Made of AISI 420/440 stainless steel (head) and spring steel or Nitinol (shaft).		No Change
	Sharp spiral or straight radial flutes for effective bone reaming.		No Change
	Self-centering tip to prevent slipping and ensure accurate canal entry.		No Change
	ISO 13485/ ISO 9001 Certified		No Change
17	T Handle Reamer Cannulated	10 Sets	No Change
	Size: 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm		To be provided as mentioned in surgical Instruments & trays in the list of Main Items
	Should be ISO 13485/ ISO 9001 certified		No Change
18	Collinear Clamp Set	2 Sets	To be provided as mentioned in surgical Instruments & trays in the list of Main Items
	Black Handpiece		
	Positioning Arm Large		
	Positioning Arm Medium		
	Positioning Arm Small		
	Protection Sleeve		
	Guide Wire		
	Cleaning stylet		
	Threaded K wire		
	Box for instruments		
19	TENS Nail Set	5 Sets	To be provided as mentioned in surgical Instruments & trays in the list of Main Items
	Bone Awl Small		
	Slide Hammer Detachable		
	Combined Drill & Tap Sleeve 3.2mm /4.5mm		
	Elastic Nail Punch -2.0mm		
	Elastic Nail Impactor, 2.5mm		
	Elastic Nail Impactor, 3.0mm		

	Elastic Nail Impactor, 3.5mm		
	Elastic Nail Impactor, 4.0mm		
	Elastic Nail Impactor Oblique 4.5mm		
	Elastic Nail Introducer Rod		
	Elastic nail Introducer with Universal SS Chuck		
	F-Tool Reduction		
	Hammer Fiber Handle 500gm		
	Locking Pliers		
	Pin Cutter for Nail 14 "		
	Graphics Aluminum Box		
20	Spine Set	1 Set	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
	Neuro Set		No Change
1	Skull Traction Set	1 Set	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
2	Leyla Retractor Set	1 Set	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
3	Burr Hole Set	2 Set	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
4	Craniotomy Set	2 Set	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
5	Micro Instruments Set	1 Set	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
6	Samii Knives Set	1 Set	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
7	TRANSPHENOIDAL PITUITARY SET	1 Set	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
8	V P SHUNT SET	2 Set	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
9	SPINE SET	2 Set	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
10	CERVICAL SPINE SET	1 Set	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
11	EXTRA KERRISON PUNCH SET	2 Set	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
12	Mayfield Set 3 pin with Horseshoe	1 Set	No Change
	Used for rigid cranial fixation during neurosurgical procedures.		No Change
	Constructed from medical-grade stainless steel or anodized aluminum.		No Change
	Includes a 3-pin skull clamp with adjustable arms and locking mechanism.		No Change
	Compatible with adult and pediatric skull sizes through pin position adjustments.		No Change

	Horseshoe headrest made of radiolucent material for imaging compatibility.		No Change
	Padded horseshoe design provides non-invasive head support for supine or prone positioning.		No Change
	System allows 360-degree rotation and angle adjustments for precise head positioning.		No Change
	Fixation pins typically include titanium or stainless-steel variants (blunt or sharp).		No Change
	Base unit mounts to standard operating tables with universal clamp or rail attachment.		No Change
	All components are autoclavable and reusable after proper sterilization.		No Change
	ISO 13485/ ISO 9001 Certified		No Change
13	Endoscopic Spine Set (All Approach)	1 Set	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change
14	MIS Spine Set	1 Set	No Change
	Should be ISO 13485/ ISO 9001 certified		No Change