



**JAWAHARLAL INSTITUTE OF POST GRADUATE MEDICAL  
EDUCATION & RESEARCH (JIPMER)**



**GOVERNMENT OF INDIA**

(An Institution of National Importance under Ministry of Health & Family Welfare) Dhanvantri  
Nagar, Puducherry-605006

**OPEN TENDER  
ENQUIRY DOCUMENT  
FOR  
RATE CONTRACT  
FOR  
SUPPLY OF CONSUMABLES/NON-CONSUMABLES  
FOR  
DEPARTMENT OF  
ORTHOPAEDICS**

(This document consisting of **53** pages)

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## SECTION-I

### JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH PUDUCHERRY – 6

(Institution of National Importance under the Ministry of Health & Family Welfare,  
Govt. of India)

#### Purchase Section

No. JIP/PUR6(1)/OeT/Ortho/2021-22

Dated: 03.08.2021

#### NOTICE INVITING e-TENDER (e-NIT)

Sub: Supply of Consumables / Non-Consumables  
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E- tenders are invited from eligible and qualified domestic manufacturer's or their distributors for the RATE CONTRACT for supply of CONSUMABLES/NON-CONSUMABLES for the Department of **ORTHOPAEDICS** for 2021– 22.

1. Scope of work: Supply of consumables/non-consumables for the Department of Orthopedics
2. Value of tender: Approximate Cost **Rs. 1,00,00,000**
3. Tender timelines:
  - i. Opening date & time for download of Tender document: **06.00 PM on 03.08.2021**
  - ii. Last date for receipt of pre-bid queries: **06.00 PM on 07.08.2021**
  - iii. Pre-bid queries can be made through e-mail to: [ortho1jipmer@gmail.com](mailto:ortho1jipmer@gmail.com).
  - iv. Opening date & time for submission of online bids: **09.00 AM on 12.08.2021**
  - v. Closing date & time for submission of online bids **06.00 PM on 02.09.2021**
  - vi. Date and Time of opening of online bids for Technical evaluation: **11.00 AM on 04.09.2021**
  - vii. Date & time of opening of Price Bid: To be intimated later.
4. Earnest Money Deposit/Bid Security: Bid security declaration must be submitted by all bidders.
5. Tender Processing Fee (Non-refundable): **Rs. 590 (including 18% GST) shall be paid through SBI collect only.**
6. Interested bidders are advised to download the complete Tender Enquiry document from the websites [www.jipmer.edu.in](http://www.jipmer.edu.in) or <https://eprocure.gov.in/eprocure/app> for complete details.
7. The prospective bidders must register with the E-procurement system of <https://eprocure.gov.in/eprocure/app>. Special Instructions to the bidders for the e-submission of the bids online through this eProcurement Portal on completion of the registration process is given in <https://eprocure.gov.in/eprocure/app> , the bidders will be provided user ID and password upon enrollment. In order to submit the bids electronically, bidders are required to have a valid Class 3 Digital Signature Certificate

(signing and encryption/ decryption certificates).

8. Bidders are requested to read the bidders help document on e-tender web site link before proceeding for bidding.
9. Post receipt of User ID & Password, Bidders can log on for downloading & uploading tender document.
10. The bidders shall submit the required bid security declaration (as per G.I.T clause 2) before the due date and time mentioned above.
11. The online submission of tender(s) can only be done through **<https://eprocure.gov.in/eprocure/app>**
12. Bidders shall ensure that their tender(s), complete in all respects, are submitted online through **<https://eprocure.gov.in/eprocure/app>** e-portal (as described above) only.
13. Prospective bidders are advised to browse the above websites regularly before submission of their bids as any further amendments will be published in these websites only.

Asst. Officer in Charge  
Purchase Section,  
For  
Director,  
JIPMER, Puducherry

## Section-II

### SCHEDULE OF REQUIREMENTS AND SPECIFICATIONS

#### LIST OF ITEMS REQUIRED

1. Scope of work : Supply of Consumables/ Non-Consumables for the department of **ORTHOPAEDICS** as detailed below

Sl. No.	Item Description	Qty	Units
1	<b>CONSUMABLES - I. ARTHROPLASTY</b>		
1.001	Hip prosthesis-Femoral – Uncemented – Bipolar - fixed (Fenestrated) STERILE PACKING; Sizes : between 35mm and 53mm (Unused sizes will be exchanged for used-up sizes during the course of tender contract period at no further costs)	40	unit
1.002	Hip prosthesis- Femoral – Cemented – Bipolar- Fixed (non-fenestrated) STERILE PACKING; Sizes : between 35mm and 53mm (Unused sizes will be exchanged for used-up sizes during the course of tender contract period at no further costs)	50	unit
1.003	Hip prosthesis- Femoral – Cemented – Bipolar – Modular (Mueller type) Each unit consists one number of variable sizes of 1. Cemented Femoral Stem 2. Bone Cement ( antibiotic cement 40 gms) 3. Bipolar Cup (Shell and UHMWPE insert) 4. Femoral head (Unused sizes will be exchanged for used up sizes during the course of tender contract period at no further costs)	50	unit
1.004	Hip prosthesis- Femoral – Uncemented – Bipolar – Modular (Mueller type) Each unit consists one number of variable sizes of 1. Uncemented Stem 2. Bipolar Cup ((Shell and UHMWPE insert) 3. Femoral head ( Unused sizes will be exchanged for used up sizes during the course of the year at no further costs)	50	unit
1.005	Hip prosthesis- Femoral – Uncemented – Revision- Modular Femoral stem with separate distal and proximal sizing – consisting of separate coated metaphyseal sleeve of various sizes, Standard and lateral neck components of varying lengths and offset and uncemented stem of varying length Each unit consists of one number of variable sizes of 1. Uncemented modular femoral stem 2. Uncemented modular metaphyseal stem 3. Neck component 4. Femoral head 5. Uncemented porous coated cup. 6.Acetabular cup liner UHMWPE 7. Cancellous bone screws 6.5mm ( 2 Nos – 20mm,25mm )(Shelf life of all items prior to expiry date must be at least 3 years )	10	unit
1.006	Hip prosthesis- Total – Cemented Each unit consists one number of variable sizes of 1.Cemented Femoral stem (Triple taper type)	30	unit

	<p>2.Cemented UHMWPE flanged cup.  3. Femoral head – Diameter 28mm/ 32mm/ 36 mm with adjustable neck length  4. Cement restrictor  5. Canal centraliser  6. Antibiotic Bone cement (2 packets of 40g each)  (Shelf life of all items, prior to expiry date must be at least 3-5 years)</p>		
1.007	<p>Hip prosthesis- Total – Uncemented Each unit consistsof one number of variable sizes of  1.Uncemented  Femoral stem- HA coated  2.Uncemented porous coated cup.  3.Acetabular cup liner UHMWPE  4. Femoral head – Diameter 28mm / 32mm/ , 36 mm / with adjustable neck lengths  5.Cancellous bone screws 6.5mm ( 2 Nos – 20mm,25mm )(Shelf life of all items prior to expiry date must be at least 3-5 years )</p>	40	unit
1.008	<p>Knee prosthesis- Total – Cemented Each unit consists one of number of variable sizes of  1. Femoral component (CoCr) Right/left  2. Tibial tray keeled(CoCr)  3. UHMWPE tibial insert  4. UHMWPE patella component fixed  5. 2 Packets of antibiotic cement 20 gms each  (Shelf life of all items prior to expiry date must be at least 3-5 years)</p>	30	unit
1.009	<p>Megaprosthesis Distal femur Each unit consists of one number of variable sizes of  1.Distal femur component Right/Left  2. Proximal tibia component  3. Resection piece  4. Intramedullary stem  5. Antibiotic bone cement 40gm - 02 nos</p>	10	unit
1.010	<p>Megaprosthesis Proximal femur - Each unit consists of one number of variable sizes of  1.  Modular Bipolar cup  2. Modular head trochanteric component. Left'/Right/Neutral/  3. resection piece.  4. Intramedullary stem piece  5. Antibiotic bone cement 40gm - 01nos.</p>	4	unit
1.011	<p>Megaprosthesis Proximal Humerus- Each unit consists of one number of variable sizes of  1.Proximal humerus component Right/Left  2.Resection piece.  3. Humeral Intramedullary stem  4. Antibioticcement 20gm - 02nos</p>	6	unit
1.012	<p>Megaprosthesis Proximal Tibia -Each unit consists of one number of variable sizes of  1.Distal femur component Right/Left  2.Proximal tibia component  3.Resection piece  4.Intramedullary stem  5. Antibioticcement 40gm - 02 nos</p>	10	unit

1.013	Megaprosthesis Total femur Each unit consists of one number of variable sizes of 1. Proximal femur head component comprising of Modular bipolar cup 2.Modular head, trochanteric component Left/Right/Neutral. 3. Resection coupler 4. Resection piece 5.Distal femur component 6.Proximal tibia component 7. AntibioticCement 40gm 03 nos.	1	unit
1.014	Shoulder prosthesis – Humeral - modularconsisting of cemented humeral stems of various sizes with Humeral head (various options) with the option of combining different humeral stems with humeral head separately Each unit consists of one number of variable sizes of 1. Cemented modular humeral component 2Humeral head 3. One packets of antibiotic cement 20 gms (Shelf life of all items prior to expiry date must be at least 3 years )	5	unit
1.015	Elbow prosthesis – Total–Cemented- modular Cemented prosthesis with various humeral lengths and sizes with anatomical ulnar stems of varying sizes Each unit consistsof one number of variable sizes of 1. Cemented modular distal humeral component 2. Cemented ulnar component Right/Left 3. Two packets of antibiotic cement 20 gms each (Shelf life of all items prior to expiry date must be at least 3-5 years )	2	unit
1.016	Radial head prosthesis – Cemented (Implant with straight and curved stems, head (of varying head diameter and height)	30	unit
1.017	Antibiotic Bone cement 40g High viscosity	20	each
1.018	Antibiotic Bone cement 40g Low viscosity, for use in cement gun	60	each
1.019	Cement mixing system, Each unit consists one number of 1. Cement mixing system (Vacuum based) 2.Femoral break way nozzle 3. Pressuriser. The sample must be compatible with the (Shelf life of all items prior to expiry date must be at least 3-5 years)	4	unit

2	<b>CONSUMABLES - II - SPINE</b>		-
2.020	<p>Spine BIOPSY KIT Tissue Bipsy device provided with ergonomic handle. The needle should be equipped with a cannula made of AISI 304 stainless tempered steel in accordance with international standards The needle should have centimeter markings on the cannula surface, allow to easily determine the depth of insertion into the bone tissue. should have special sharpening at “fish mouth” of the needle tip. the sample architecture. Needle should improve the penetration capacity establishing a perfect cylindrical cutting that maintains intact The set should include: -extraction wire to insert into the cannula tip - Luer-lock cap (on the handle) to avoid the blood loss during the extraction step. Needle should be equipped with a stylet with trocar pyramidal tip to allow a quick and less invasive penetration into the cortical.</p>	20	unit
2.021	Demineralised bone matrix 2.5cc	5	each
2.022	Demineralised bone matrix 5 cc	5	each
2.023	Bone Substitutes This should be an rhBMP-2 (recombinant human bone morphogenetic protein-2) formulation combined with a bovine-derived absorbable collagen sponge (ACS) carrier. Should be FDA & DGCI APPROVED	10	each
2.024	OLIF/ XLIF cage	10	unit
2.025	Stand alone OLIF ' / DLIF cage assembly - cage plug screws	10	unit
2.026	Expandable cages ' / interbody spacers for use in dorsal and lumbar spine made of Titanium.Should have USFDA & DGCI Approval. Instrumentation should be provided at the time of surgery. (assorted sizes).	10	unit
2.027	Interbody cages made of Trabecular Metal Material for use in lumbar spine fusion. Instrumentation should be provided at the time of surgery. (assorted sizes).	10	unit
2.028	Lumbar Interbody PEEK cage: Interbody Implant for use in Lumbar interbody fusion. (assorted sizes).	20	unit
2.029	Lumbar Interbody Titanium cage : Interbody Implant for use in Transforaminal lumbar interbody fusion (TLIF) procedures (assorted sizes).	10	unit
2.030	Extended Tandem Connectors for 4.5 rod system for Paediatric deformity to facilitate intra-operative compression and ' / or distraction maneuvers	20	unit
2.031	Spinal rod to rod connectors compatible with 5.5 mm Titanium rods	20	each
2.032	Domino Rod to Rod Connector (Open Type) Compatible with 5.5 mm rod	10	each
2.033	Domino Rod to Rod Connector (Closed Type) Compatible with 5.5 mm rod	10	each
2.034	Transverse connector assembly ' / cross-links assembly for lumbar spine compatible with 5.5 mm rods (Titanium) US FDA & DGCI APPROVED. Instrumentation should be provided at the time of surgery.	20	unit



2.035	PAEDIATRIC SPINE HOOKS (Compatible with 4.5mm rods) ASSORTED TYPES( supralaminar, infralaminar, pedicle and transverse process hooks)	20	each
2.036	ADULT SPINE HOOKS (Compatible with 5.5 mm rods) ASSORTED TYPES( supralaminar, infralaminar, pedicle and transverse process hooks)	50	each
2.037	Kyphoplasty kit - with 1 baloon and kyphoplasty cement	10	each
2.038	Titanium mesh cage(Harms type cage) assorted sizes	20	each
2.039	5.5 mm Rod for MIS Surgery Rods should Reduces trauma to patient avoiding additional incisions for rod insertion	20	each
2.040	5.5 mm Rods for spine fixation (Titanium), 400mm	20	each
2.041	5.5 mm Rods for spine fixation (Cobalt Chrome), 400mm	10	each
2.042	Reverse Threaded 5.5 mm Rod & Screw system :- Broader specifications <ul style="list-style-type: none"> <li>• System should have mono and multi axial screws with sizes 4.5, 5.5, 6.5 mm diameter and 25-55 mm in length.</li> <li>• System should have G4 reverse thread technology to avoid cross threading.</li> <li>• The price should be quoted with set screw</li> <li>• System should be compatible with 5.5 mm titanium rod.</li> <li>• Instrumentation set should be provided at the time of supply of screws, and should be available till all screws are used (Assorted sizes)</li> </ul>	100	unit
2.043	5.5 mm Dual Lead Screw for Navigation Guided Spine Surgery: Dual Lead thread design, Square Thread, Closure Mechanism, Colour Coated, Price Should be quoted along with SET Screw ( Assorted sizes)	100	unit
2.044	4.5 mm Dual Lead Screw for Paediatric Spine Deformity Implants should be with Low Profile with In-Line Technology and Offset Technology for appropriate implant option for specific patient anatomy. Implant should be compatible with line of Hooks and also should be compatible with Ti and SS and CoCr Rods. Set Screw should be of Square Thread Set Screw. Implant should be compatible with Extended Tandem Connector Price Should be quoted along with SET Screw (Assorted sizes)	50	unit
2.045	5.5 mm Dual Lead Cannulated screws for MIS Surgery Implant & Instrument should Provide ability to treat multi-level procedures Implant & Instrument should be Designed to handle multiple pathologies, from degenerative to deformity Instruments should be provided at the time of surgery Price Should be quoted along with SET Screw and rod	100	unit
2.046	S2 Alar iliac screws Titanium compatable with 5.5 mm rods. Assorted sizes.	20	each
2.047	Pedical screw, H.A. Coated	50	each
2.048	Spine Pedical screws (Titanium) - polyaxial with a possibility to restrict movement between the tulip and screw shaft. For use in deformity	120	each

	correction. sizes 4.5 mm to 6.5mm with different lengths.		
2.049	Spine Pedical screws (Titanium) - Polyaxial compatible with 5.5 mm Titanium rods, sizes 4.5 mm to 6.5mm with different lengths.	120	each
2.050	Spine Pedical screws (Titanium) - Polyaxial Reduction screws compatible with 5.5 mm Titanium rods, sizes 4.5 mm to 6.5mm with different lengths.	120	unit
2.051	Spine Pedical screws (Titanium) - Fixed screw (monoaxial) compatible with 5.5 mm Titanium rods, sizes 4.5 mm to 6.5mm with different lengths.	120	unit
2.052	Spine Pedical Screws(Ti)- Uniplanar Compatible with 5.5 mm rod, assorted sizes	120	unit
2.053	Fenestrated Spine Pedicle screws construct comprising of 4 screws, 2 rods, cement and cement introducing device assembly for insertion of Bone cement for Osteoporotic bones. Assorted sizes. Compatible with 5.5 mm rods	50	unit
2.054	Vertebral Body Augmentation KIT KIT Should contain vertebral body augmentation Cement This should allow for an 8-10 minute working time at 68F/20C, and enable a controlled introduction of cement. KIT Should Consist of a needle and a stylet for bone access. The needle also acts as a cannula through which the cement is introduced into the vertebra KIT Should Consist of 15 gauge biopsy needle consists of a needle and stylet intended for use through an 11 gauge or 13 gauge introducer needle.	20	unit
2.055	Pre-bent sub-laminar wire	50	each
<b>3</b>	<b>CONSUMABLES - III- Arthroscopy</b>		-
3.056	Disposable arthroscopic diathermy cable with tip compatible with stryker diathermy console 90 degree	15	unit
3.057	Titanium suture disc	10	each
3.058	ADJUSTABLE LOOP 4MM X 12MM	30	each
3.059	FIXED LOOP - 20 to 25 MM	30	each
3.060	REAMER - IRRIGATOR - ASPIRATOR ASSEMBLY - comprising of sterile reamer heads, sterile locking clips and sterile graft filter (all sizes) (Instrumentation should be provided at the time of surgery)	10	unit
3.061	Bioabsorbable (PLLA) Interference Screws of various length sizes from 23mm to 35mm with dia from 7mm to 11mm. Two sets of instrumentation should be provided on loaner basis.	200	unit
3.062	Titanium interference screw sizes from 7 to 10mm of various lengths from 23 to 35mm with screw drivers. One set of instrumentation should be provided on loaner basis.	40	unit
3.063	Biocomposite interference screw of various length sizes from 23mm to 35mm with dia from 7mm to 11mm. One set of instrumentation should be provided on loaner basis.	40	unit
3.064	ULTRABRAID Suture	25	each
3.065	Titanium anchors with high tension suture material 2.8mm/3mm	5	each

3.066	5mm suture anchor	10	each
3.067	A sterile, disposable 2.4mm diameter cannulated stainless steel solid needle of approximately 15cm length and needle should be preloaded with braided nitinol wire for suture shuttling	2	each
3.068	A Sterile, disposable at least 20cm length flexible needles in pairs looped together with 2-0 Ultra high molecular weight polyethylene suture for inside out repair of meniscus	10	each
3.069	A sterile, disposable inside out meniscal repair device with needle advancement button on the handle for pushing needle 1cm forward or backward for controlled penetration into the meniscus. The system should contain three disposable cannula attachments for left and right posterior and one anterior meniscal tear	5	each
3.070	A sterile, disposable, all inside meniscal repair kit contains medium size device with distal hooked end for posterior fitting and inside needle for catching only 2-0 ultra-high molecular weight polyethylene suture to make circumferential repair of the soft tissue. The kit should contain flexible knot pusher for pushing the knot posteriorly	2	unit
3.071	A sterile, disposable 15cm long cannulated stainless-steel minor curve shaft and 1.5mm tip with ergonomic plastic handle for simple and mattress stitches of soft tissue repair and the needles should be preloaded with braided nitinol wire for suture shuttling	2	each
3.072	A sterile, disposable 15cm long cannulated stainless-steel straight shaft and 1.5mm tip with ergonomic plastic handle for simple and mattress stitches of soft tissue repair and the needles should be preloaded with braided nitinol wire for suture shuttling	2	each
<b>4</b>	<b>CONSUMABLES - IV- EXTERNAL FIXATOR</b>		
4.073	Bolts 12mm	200	each
4.074	Bolts 16mm	800	each
4.075	Cannulated bolts (wire fixation bolts side & central holed)	300	each
4.076	Slotted bolts	200	each
4.077	C-CLAMP SET	20	each
4.078	Single hole racho cubes	100	each
4.079	Nuts 2mm	2000	each
4.080	Nuts 4 mm	200	each
4.081	Nylock nuts	100	each
4.082	Squire nuts	10	each
4.083	Conical Shanz pin tapering 3mm to 4mm, 40 to 60 thread	50	each
4.084	Conical Shanz pin tapering 5mm to 6mm, 40 to 60 thread	100	each
4.085	METACARPAL PINS 1.5mm to 2.5mm	50	each
4.086	SCHANZ PINS CANCELLOUS, 3.5 to 5mm x 100 to 200 x 16 to 50mm threaded	30	each
4.087	SCHANZ PINS CORTICAL, 3.5 to 5mm x 100 to 200 x 16 to 50mm threaded	30	each
4.088	Single hole twisted plates	40	each
4.089	Italian arch 90 to 120 degrees	20	each

4.090	Oblique Arch Support	16	each
4.091	Half ring Stainless Steel sizes 140mm to 180mm	60	each
4.092	Rods 130mm to 200mm	80	each
4.093	Rods 210mm to 300mm	200	each
4.094	Rods 310mm to 400mm	300	each
4.095	Rods 410mm to 450mm	50	each
4.096	Conical washers	50	each
4.097	Flat washers 1 to 2mm	100	each
4.098	Splitted washers	50	each
4.099	Trochar tip Iizarov wires	500	each
<b>5</b>	<b>CONSUMABLES - V - PAEDIATRIC IMPLANTS</b>		-
5.100	PEDIATRIC DHS with lag screw and cortical screw assembly - 135 DEGREE(SHORT & LONG BARREL) with 3.5 mm screws, 3 TO 7 HOLES	20	unit
5.101	Paediatric limb reconstruction system (LRS) - each consists of - compression distraction clicker unit, acute correction T-clamp (centre-1 & end clamps-2 nos); Rails - 15/ 20/25cms	30	unit
5.102	Titanium / stainless steel telescopic Intramedullary nail consists of male & female; size : 2 - 6mm diameter, length : 20 - 40mm	20	unit
5.103	Cannulated Paediatric Osteotomy blade plate - Child Hip plate 3.5mm, angulation 90° with blade length 26, 32, 38mm and displacement 4mm, 8mm	12	unit
5.104	Cannulated Paediatric Osteotomy blade plate - Child Hip plate 4.5mm, angulation 80°, 90°, 100° with blade length 35, 45mm and displacement 4 & 8mm	12	unit
5.105	Cannulated Paediatric Osteotomy blade plate - Infant Hip plate 3.5mm, angulation 90° with blade length 25, 32mm and displacement 7mm	6	unit
5.106	Cannulated Paediatric Osteotomy blade plate - Adolescent hip plate 4.5mm, angulation 90°, 95°, condylar plate - 5, 7, 9 holes with blade length 40, 50, 60, 70mm.	24	unit
5.107	Medial high tibia plate compatible with Proximal tibia osteotomy system	5	each
5.108	Proximal tibia osteotomy system; one each of - osteotomy chisels, bone spreader, gap measuring device	1	each
5.109	3.5mm epiphyseal 8 shaped plate	40	each
5.110	LCP PEDIATRIC HIP PLATES with screws (size-20-110mm) assembly 3.5 & 5mm, 3 to 9 HOLED, angles 90 to 130 degrees. provision for exchange of used implants should be made.	20	unit
<b>6</b>	<b>CONSUMABLES - VI - TRAUMA ANATOMICAL LOCKING PLATES (TITANIUM): Costing has to be given per unit i.e. Plate plus screws. For example, in a 4 holed plate includes 2 cancellous screws and 4 diaphyseal screws. Screws to be provided at the time of surgery. Screw sizes will be determined during surgery. Instrumentation to be provided on loaner basis</b>		-

6.111	3.5 distal radial locking plate right and left 4 to 12 holes (TITANIUM) 1 unit consists of 1 plate and locking screws for all the available holes.	10	unit
6.112	3.5 lateral distal humerous locking plate right and left (4,6,8,10,12holes) (TITANIUM) 1 unit consists of 1 plate and locking screws for all the available holes.	10	unit
6.113	3.5 medial distal humerous locking plate right and left (4,6,8,10,12holes) (TITANIUM) 1 unit consists of 1 plate and locking screws for all the available holes.	10	unit
6.114	3.5mm LATERAL DISTAL TIBIAL LOCKING PLATE Right & left (6, 8, 10, 12,14,16,18 holes) (TITANIUM) 1 unit consists of 1 plate and locking screws for all the available holes.	20	unit
6.115	3.5mm MEDIAL DISTAL TIBIAL LOCKING PLATE Right & Left (6, 8, 10, 12, 14,16,18 holes) (TITANIUM) 1 unit consists of 1 plate and locking screws for all the available holes.	20	unit
6.116	Calcaneal locking plate Right & Left (ANATOMICAL) 3.5 mm (TITANIUM) 1 unit consists of 1 plate and 8 locking screws.	10	unit
6.117	DISTAL FEMORAL LOCKING PLATE AND SCREWS (TITANIUM) - RIGHT & LEFT (4 Holes to 12 holes) 1 UNIT CONSISTS OF i) PLATE-1 No.,(left or right) ii) 6.5'/7 MM LOCKING SCREWS - At least 5 Nos. FOR PLATE HEAD, iii) 4.5'/5 MM LOCKING CORTICAL SCREWS - at least 5 NOS. FOR PLATE SHAFT iv) PLATE HEAD SHOULD HAVE ATLEAST FIVE LOCKING SCREW HOLES AND v) SHAFT SHOULD HAVE COMBI HOLES . Aiming block should be provided along with appropriate instrumentation	20	unit
6.118	LCP- Posterior medial proximal Tibial Plates 3.5 (Rt and Lt) , Titanium , 2,4,6,Holes(quote for entire Assembly with screws)	20	unit
6.119	LCP Proximal Lateral Tibia Plates 4.5/5 (Rt and Lt), 5,7,9,11,13 Holes(quote for entireAssembly with screws) (TITANIUM) 1 unit consists of 1 plate and locking screws for all the available holes.	20	unit
6.120	MEDIAL DISTAL FEMUR LOCKING PLATES 3 to 9 holed.(TITANIUM) 1 unit consists of 1 plate and locking screws for all the available holes.	5	unit
6.121	PROXIMAL FEMORAL LOCKING PLATE AND SCREWS (TITANIUM) - RIGHT & LEFT (4 Holes to 12 holes) 1 UNIT CONSISTS OF I) PLATE-1 No., (left or right) ii) 6.5'/7 MM & 4.5'/5 MM LOCKING SCREWS - 5 Nos. FOR PLATE HEAD, iii) 4.5'/5 MM LOCKING CORTICAL SCREWS - at least 5 NOS. FOR PLATE SHAFT iv) PLATE HEAD SHOULD HAVE ATLEAST FIVE LOCKING SCREW HOLES AND v) SHAFT SHOULD HAVE COMBI HOLES. Aiming block should be provided along with appropriate instrumentation	20	unit

6.122	PROXIMAL HUMEROUS LOCKING PLATE (TITANIUM) Right & Left from 4 holes to 10 holes 1 UNIT CONSISTS OF I) PLATE-1 No., II) 3.5/4 MM LOCKING SCREWS- 6 Nos. FOR PLATE HEAD, III) 3.5/4 MM CORTICAL/Locking SCREWS - 4 NOS. FOR PLATE SHAFT IV) PLATE HEAD SHOULD HAVE AT LEAST SIX LOCKING SCREW HOLES AND V) SHAFT SHOULD HAVE COMBI HOLES. Aiming block should be provided along with appropriate instrumentation	20	unit
6.123	PROXIMAL MEDIAL LOCKING TIBIAL PLATE (TITANIUM) right & left ( 4,6,8,10 Holes) 1 UNIT CONSISTS OF i) PLATE-1 No., ii) 3.5/4 MM LOCKING SCREWS- 3 Nos. FOR PLATE HEAD, iii) 3.5/4 MM CORTICAL/Locking SCREWS - 4 NOS. FOR PLATE SHAFT iv) PLATE HEAD SHOULD HAVE AT LEAST THREE LOCKING SCREW HOLES AND v) SHAFT SHOULD HAVE COMBI HOLES .	10	unit
<b>7</b>	<b>CONSUMABLES - SCREWS</b>		-
7.124	6.5/7 mm partially threaded/fully threaded cannulated cancellous Screws i) Should be made of surgical grade titanium ii) Screws should be supplied with equal number of compatible washers. iii) The complete set of necessary instruments required for screw insertion (including compatible threaded guide wires (10 no's) should be supplied on loaner basis iv) Sizes required in increments of 5 mm: 75 mm to 95 mm - 10 each (50), 100 mm to 120 mm - 15 each (75), 125mm to 135 mm - 5 each (15)	140	unit
7.125	SCREWS, 7MM CANNULATED CANCELLOUS, 16MM THREADED, sizes 40mm to 85mm	150	unit
7.126	SCREWS, 7MM CANNULATED CANCELLOUS, 32 MM THREADED, sizes 60mm to 75mm	20	unit
7.127	SCREWS, 7MM CANNULATED CANCELLOUS, FULLY THREADED, sizes 30mm to 120mm	50	unit
7.128	SCREWS CORTICAL SELF TAPING , 1.5 mm , sizes 10mm to 20mm	40	unit
7.129	SCREWS CORTICAL SELF TAPING , 2mm , sizes 10mm to 20mm	45	unit
7.130	SCREWS, 3.5mm CORTICAL SELF TAPING sizes 12mm to 120mm	500	unit
7.131	SCREWS, 2.4 MM HEADLESS COMPRESSION, sizes 12mm to 30mm (TITANIUM) INSTRUMENTATION SHOULD BE PROVIDED ON LOANER BASIS	25	unit

<b>8</b>	<b>CONSUMABLES - PLATES</b>		-
8.132	LCP DHS PLATE TITANIUM The implants should be available with long barrel (38mm) and short barrel length of (25mm). The DHS barrel plate should be available in the following CCD angles: 130°, 135°, 140° 145°and 150° The DHS barrel plate should be available in 4-6 holes 12.5 MM DHS blade/screw is required in 65-120 mm increments 1 UNIT CONSISTS OF i) DHS blade/screw - 1 nos ii) DHS PLATE - 1 nos iii) 5.0 mm locking screw- 2 nos, 4.5 mm cortex screw- 2 nos	10	unit
8.133	2.7/3.5 MM DISTAL ANTEROMEDIAL TIBIA LCP (TITANIUM ) 4-10 HOLES. Plate head should have at laest 8 locking holes. 1 unit consists of 1 plate and locking screws for all the available holes.	10	unit
8.134	Variable angle LCP condylar plate for distal femur (plate with screw) (all sizes both sides) TITANIUM 6- 18holes, LCP combi-holes in the shaft. 1 UNIT CONSISTS OF i) plate - 1, ii) 5.0 mm variable angle cannulated locking screws -.5 nos, 5.0 mm variable angle locking screws -.4 nos, The VA Periprosthetic Locking Screws 5.0 mm-3 nos,4.5 cortex screw-4 nos. The system should have Aiming Arm for Variable angle-LCP Condylar Plate 4.5/5.0 for MIPO technique. Conical THREADED DRILL SLEEVE to angulate the drill bits in 15-30 degrees, Torque limiting SCREW DRIVER, AIMING DEVICE for MIPO SHOULD BE PROVIDED ON LOANER BASIS	10	unit
8.135	Variable angle LCP Tibial plate for proximal Tibia (plate with screw) (all sizes both sides) TITANIUM 4 - 14 holes LCP combi-holes in the shaft. 1 UNIT CONSISTS OF i) plate -1, ii) 3.5 mm variable angle locking screws -.7 nos,3.5 cortex screw-3 nos. The system should have Aiming Arm for Variable angle-LCP proximal lateral tibial Plate 3.5 mm for MIPO technique. Conical THREADED DRILL SLEEVE to angulate the drill bits in 15 degrees, Torque limiting SCREW DRIVER, AIMING DEVICE for MIPO SHOULD BE PROVIDED ON LOANER BASIS	10	unit
8.136	DHS TROCHANTERIC STABILISATION PLATE Used to stabilize the greater trochanter and lateral wall and it is used as a modular extension of the Dynamic hip screw system. SHOULD BE COMPATIBLE WITH ALL STANDARD DHS	10	unit
8.137	2.4 MM DISTAL RADIUS VARIABLE ANGLE VOLAR LOCKING PLATE TITANIUM UNIT: 1 UNIT CONSISTS OF PLATE-1 No., 2.4 MM VARIABLE ANGLE LOCKING SCREWS-4 Nos. FOR PLATE HEAD, 2.4 MM LOCKING CORTICAL SCREWS - 3 NOS. FOR PLATE SHAFT ii) PLATE HEAD SHOULD HAVE ATLEAST EIGHT LOCKING SCREW HOLES AND SHAFT SHOULD HAVE COMBI HOLES (3Holes-12holes)	20	unit

8.138	2.4'/2.7'/3.5 MM PROXIMAL ULNA LOCKING PLATE TITANIUM i) UNIT: 1 UNIT CONSISTS OF PLATE-1 No., 2.4'/2.7 MM LOCKING SCREWS-4 Nos. FOR PLATE HEAD, 3.5 MM LOCKING CORTICAL SCREWS - 3 NOS. FOR PLATE SHAFT ii) PLATE HEAD SHOULD HAVE ATLEAST FOUR LOCKING SCREW HOLES AND SHAFT SHOULD HAVE COMBI HOLES. REQUIRED SIZES (3H-5NO, 4H-5NO, 5H-2 NO)	10	unit
8.139	2.4'/3.5 MM LATERAL END CLAVICLE LOCKING PLATE (TITANIUM) Right and left UNIT: 1 UNIT CONSISTS OF PLATE- 1 No., 2.4 MM LOCKING SCREWS-4 Nos. FOR PLATE HEAD, 3.5 MM LOCKING CORTICAL SCREWS - 3 NOS. FOR PLATE SHAFT ii) PLATE HEAD SHOULD HAVE ATLEAST FIVE LOCKING SCREW HOLES AND SHAFT SHOULD HAVE COMBI HOLES	10	unit
8.140	2.7MM CALCANEAL LOCKING PLATE (TITANIUM) - Right and left 1 unit consists of 1 plate , 8 locking screws	20	unit
8.141	3.5 MM LATERAL PROXIMAL TIBIAL LOCKING LCP TITANIUM i) UNIT: 1 UNIT CONSISTS OF PLATE-1 No., 3.5'/4 MM LOCKING SCREWS - 5 Nos. FOR PLATE HEAD, 3.5'/4 MM LOCKING CORTICAL SCREWS - 4 NOS. FOR PLATE SHAFT iii) PLATE HEAD SHOULD HAVE ATLEAST FIVE LOCKING SCREW HOLES AND SHAFT SHOULD HAVE COMBI HOLES iii) SUPPLIER SHOULD SUPPLY THE COMPLETE SET OF INSTRUMENTS INCLUDING DRILL BIT, TAP, DEPTH GAUGE, THREADED DRILL SLEEVE, SCREW DRIVER, AIMING DEVICE'/GUIDING BLOCK ON LOANER BASIS TILL STOCKS LAST iv) INVENTORY WITH ALL SCREW SIZES SHOULD BE MAINTAINED IN JIPMER v) SUPPLIER SHOULD BE READY TO EXCHANGE UNUSED PLATES FOR REQUIRED SIZES <b>LEFT: 3H-8no, 4H-10no, 6H-12no, 8H-5no,10H-5no</b> <b>RIGHT: 3H-8no, 4H-10no, 6H-12no, 8H-5no, 10H-5no</b>	20	unit
8.142	3.5 mm precontoured acetabular reconstruction plate 6 to 20 holes (right and left) with screws	10	unit
8.143	3.5 T BUTTRESS PLATE 3 to 4 holes	20	unit
8.144	3.5 T oblique plate right & left 3 to 10 holes	50	unit
8.145	DISTAL HUMERUS EXTRA ARTICULAR ANATOMICAL LOCKING PLATE & screw assembly TITANIUM (i) UNIT: 1 UNIT CONSISTS OF PLATE-1 No., 3.5 MM LOCKING SCREWS-4 Nos. FOR PLATE HEAD, 3.5 MM LOCKING CORTICAL SCREWS - 3 NOS. FOR PLATE SHAFT (ii) PLATE HEAD SHOULD BE ANATOMICAL TO POSTERIOR CONTOUR OF LATERAL CONDYLE, ATLEAST FIVE LOCKING SCREW HOLES AND SHAFT SHOULD HAVE COMBI HOLES (iii) SUPPLIER SHOULD SUPPLY THE COMPLETE SET OF INSTRUMENTS INCLUDING DRILL BIT, TAP, DEPTH GAUGE, THREADED DRILL SLEEVE, SCREW DRIVER, AIMING DEVICE'/GUIDING BLOCK ON LOANER BASIS TILL STOCKS LAST	20	unit



	(iv) DISTAL HUMERUS EXTRA ARTICULAR ANATOMICAL LOCKING PLATE LEFT: (4H - 5NO, 5H - 5NO, 6H- 5NO, RIGHT: 4H - 5NO, 5H - 5NO, 6H- 5NO)		
8.146	Locking Plate with screw construct for fixation of high tibial osteotomy (TITANIUM) - Head should have at least 3 holes (all sizes) 1 unit consists of 1 plate and locking screws for all the available holes.	10	unit
8.147	Mini fragment plates 3 to 5 holes with screws	6	unit
8.148	Plate, 3.5MM Pubic symphysis 4 to 6 holes with screws	10	unit
8.149	PLATE, 4.5 DCP, 6 TO 12 HOLES	20	unit
8.150	Plate, low profile reconstruction straight plate 3.5mm for acetabulum 6 to 20 holes with screws	20	unit
8.151	Proximal radius locking plate with screw construct for radical head (2.4mm)	10	unit
8.152	Proximal radius locking plate with screw construct for radical neck (2.4/2.7mm) TITANIUM 1 unit consists of 1 plate and locking screws for all the available holes.	20	unit
8.153	Spring plates 3.5mm 3 to 4 holes with screws	5	unit
8.154	PFN WITH HELICAL BLADE (TITANIUM) 1. RANGE : Proximal Femoral nails from 9 mm dia to 12 mm dia length 170 mm to 340 mm 2. UNITS: Each Proximal Femoral nail unit consist of (i) Proximal Femoral nail - 1 No ( 9 mm dia to 12mm dia length 170 mm to 340 mm) (ii) PFN BLADE - 1 No.( 75mm - 120mm ) (iii) 4.9 mm locking bolt x 2	30	unit
8.155	Titanium mount block for wire 1/ cable. should be compatible with 4.5mm locking plates. should have 5mm threads	10	each
9	<b>CONSUMABLES - PLATES</b>		-
9.156	TITANIUM ELASTIC NAIL, 2.5X44	20	each
9.157	TITANIUM ELASTIC NAIL, 3X44	20	each
9.158	Reconstruction femoral nail 1. Should be made of surgical grade stainless steel or titanium 2. Nail should be compatible with antegrade piriform fossa entry 3. Proximal nail should have options for recon bolts, descending trochanteric bolts and lateral to medial standard interlocking bolt (2 each) 4. Distal nail should atleast two locking holes 5. The complete set of instrumentation required for nail and locking bolt insertion should be supplied on loaner basis 6. One nail along with all the requisite bolts will be considered as one unit 7. Sizes required: 9mm x 38, 40, 42 - 4 units each 10mm x 38,40,42 - 8 units each 11mm x 38,40,42 - 8 units each	20	unit
9.159	RETROGRADE FEMORAL NAIL (Left and right) TITANIUM . Each unit consists of 1 nail (both short/long), spiral blade/ screw-1 nos, 5.0 mm locking screw-3 nos	10	unit

	End cap for spiral blade-1 nos		
9.160	INTRAMEDULARY NAIL, INTER LOCKING FEMUR (TITANIUM) 1. RANGE : FEMUR interlocking nails from 9 mm dia to 13 mm dia length 32 to 42 mm 2. UNITS: Each linterlocking nail unit consist of (i) interlocking nail - 1 No (ii) interlock bolts x 4	80	unit
9.161	Tibial nail for Metaphysial with Diphysial fractures. (TITANIUM )Proximal part of nail should have 5 locking options, 3 oblique and 2 medio- lateral. Distal part of nail should have 4 locking option in multiple directions (assorted sizes) 1 unit includes 1 nail with 3 proximal screws and 2 distal screws	30	unit
9.162	PFN NAIL LONG - (TITANIUM) 1. RANGE : Proximal Femoral nails from 9 mm dia to 11 mm dia length 300 mm to 440 mm 2. UNITS: Each Proximal Femoral nail unit consist of (i) Proximal Femoral nail - 1 No ( 9 mm dia to 11 mm dia length 300 mm to 440 mm) (ii) 8 mm cannulated locking bolt ( 65-110) x 1 6 mm cannulated locking bolt ( 65-110) x 1 4.9 mm locking bolt x 2	60	unit
9.163	INTRAMEDULARY NAIL, INTER LOCKING TIBIA (TITANIUM) 1. RANGE : Tibial interlocking nails from 7 mm dia to 10 mm dia length 28 mm to 34 mm 2. UNITS: Each tibial interlocking nail unit consist of (i) Tibial interlocking nail - 1 No (ii) 3.9 ' / 4.9 interlock bolts x 4	80	unit
9.164	TIBIO CALCANEAL (HINDFOOT) FUSION NAIL: TITANIUM 1.RANGE : Nails from 9 mm dia to 13 mm dia length 20 mm to 34 mm 2. UNITS: Each unit consist of (i) TIBIOCALCANEAL nail - 1 No (9 mm dia to 13 mm dia length 20 mm to 34 mm) (ii) 5 mm and 6mm locking screws x 5Nos along with ONE 12.5mm Spiral blade (45-100mm)corresponding to the case	5	unit
<b>10</b>	<b>CONSUMABLES - VII - MISCELLEANOUS</b>		-
10.165	BONE BIOPSY NEEDLE SET	20	
10.166	Saw blades 5mm to 14 mm compatible with CONMED	42	each
10.167	Dermatome blades	20	each
10.168	Burr, Round fluted 6 mm to 12mm	45	each
10.169	DISPOSABLE DIATHERMY CABLES -MONOPOLAR ADULT	400	each
10.170	Cement nozzles	100	each
10.171	ARTHROSCOPY DRAPE SET (Sterile)	75	each
10.172	laminectomy Drapes	200	each
10.173	Sterile Disposable drapes for 2D C-arm (three pieces) with poly strapess - long size	500	each

10.174	Sterile Disposable drapes for 3D C-arm (three pieces) with poly straps - Extra long size	500	each
10.175	THR DRAPE disposable made of material 68-77 gsm spun lace fabric water repellent, length 200cm, width 160cm, consists of headsheet (1x1.5m), adhesive strip (4cmx1.5m), two packets (12x35cm), two tube & cable holder workpad (30x50cm), U-sheet(1.75x1.5m). U-cut(70x15cm), straight 24 cm round, two absorbent workpad (50x10cms) & Polysheet lining (1x1.25m)	50	set
10.176	Transparent Drapes with Adhesive edges (size - 65x40cms) betadine coated	300	set
10.177	WOUND DRESSING STERILE incision size 15x7.5cm	200	each
10.178	WOUND DRESSING STERILE incision size 20x10cm	200	each
10.179	WOUND DRESSING STERILE incision size 30x10cm	200	each
10.180	WOUND DRESSING STERILE IMPERVIOUS SILVER IMPREGNATED incision size 20X 10 CM	200	each
10.181	WOUND DRESSING STERILE IMPERVIOUS SILVER IMPREGNATED STERILE incision size 30X10 CM	200	each
10.182	Corkscrew electrode set spiral needle 0.6 mm with tip cable 1.5 m with 1.5 mm touchproof male connector DIN42802 sterile sets with each 6 electrodes red, green, yellow, blue, black and white, ETO sterilised, packed individually, single use	20	set
10.183	SDN electrode Trigon GN 20'/1500, stainless steel 1.5 mm touchproof connector, 1 electrode green (Ground), needle length 20 mm, diameter 0.45 mm, cable length 1500 mm, single use, ETO sterilised	60	set
10.184	SDN electrodes Trigon 15'/2000, stainless steel 1.5 mm touchproof connector, pair of electrodes red'/black, red'/white, blue'/black, blue'/white, yellow'/black, yellow'/white, violet'/black, violet'/white, grey'/black, grey'/white, needle length 15 mm, diameter 0.45 mm, cable length 2000 mm, single use, ETO sterilised	100	set
10.185	SDN electrodes Trigon 20'/2000, stainless steel 1.5 mm touchproof connector, pair of electrodes red'/black, red'/white, blue'/black, blue'/white, yellow'/black, yellow'/white, violet'/black, violet'/white, grey'/black, grey'/white, needle length 20 mm, diameter 0.45 mm, cable length 2000 mm, single use, ETO sterilised	100	set
10.186	Surface adhesive electrode with push-button, with gel, dimensions: 48 x 38 mm, delivered non-sterile, single use only	100	set
10.187	Fully Synthetic Beta-tricalcium Phosphate Fully Resorbable granules of average Particle size 2mm - 5cc	10	set
10.188	Artificial dural graft Non-biological / synthetic, biocompatible, implantable . Sewable to normal dura. Should be impervious to fluid. For permanent implant. Should lead to minimal adhesion formation And tissue reaction. Expanded polytetrafluoroethylene (ePTFE) preferred.	25	unit
10.189	10% POVIDINE IODINE 100ML BOTTLES	500	each
10.190	PULSE LAVAGE	250	each
10.191	TPS OIL LUBRICANT	20	each

10.192	Injectable Fully Resorbable Synthetic Bone Graft Substitute Setting Paste of Beta-tricalcium Phosphate and Calcium sulphate in 50:50 ratio and with ZPC in a kit - 5cc	10	set
10.193	Injectable Fully Resorbable Synthetic Bone Graft Substitute Setting Paste of Beta-tricalcium Phosphate and Calcium sulphate in 50:50 ratio and with ZPC in a dual syringe mixing system - 2.5cc	10	set
10.194	NEUROSURGERY PATTIES	200	each
10.195	Synthetic High Purity Implant Grade Calcium Sulphate Pre-formed Pellets of size 3mm and 4.8mm - 5cc	10	set
10.196	Synthetic Recrystallised Hemihydrate Calcium Sulphate Kit to Prepare Antibiotic Impregnated Resorbable Pellets for delivery of antibiotics locally - 5cc	10	set
10.197	FIBER GLASS SYNTHETIC PLASTER CAST KIT CONSISTING OF Soft cotton roll, gloves and fibrecast 7.5mm to 12.5 mm	180	set
10.198	DISPOSABLE DIATHERMY PATIENT PLATE PAED	50	each
10.199	DISPOSABLE DIATHERMY PATIENT PLATE ADULT	100	each
10.200	Stimulation probe 85mm monopolar, straight, ball tip 1.5 mm touchproof connector, straight shaft, ball diameter 2.3mm, working length 85mm, with neutral SDN electrode black, cable length 3000mm, single use, ETO sterilised	10	each
10.201	Fully Resorbable Synthetic Bone Graft Substitute Mouldable Putty of Beta-tricalcium Phosphate and Calcium sulphate in 50:50 ratio with ZPC - 10cc	10	each
10.202	RUST REMOVER	50	each
10.203	GIGLY SAW	50	each
10.204	DISPOSABLE SUCTION TUBES WITH SUCTION TIP	500	each
10.205	Nitinol k wire size 1, 1.5, 1.8 & 2mm	20	each
10.206	Radiofrequency ablator single and multiple prongs- 15 in each (compatible with serfas)	10	each
10.207	Fibrin Sealant'/Glue for use in ortho-surgery to prevent CSF leak based on fibrin coagulum formed on mixing fibrinogen and thrombin components in easy to apply chamber and nozzle system. Dual tip syringe system and vials with sterile water for reconstitution should be part of the package. Total quantity should be at least 1 ml after generation of fibrin. Warming and stirring device should be made available in OT or on demand within 24 hours. Components, if derived from pooled or single donor human blood should be free from all known pathogens. (Any agitating device required to mix the glue should be provided during use and kept in Ortho OT)	100	each
10.208	Stapler remover s/s reusable	20	each
10.209	Acepto syringe	10	each
10.210	Hemostatic Dressing for external application , 4 ply non-woven gauze, Size 4x4 inches, impregnated with a natural inorganic mineral with X-ray detectable strip.	100	each
10.211	Patient pre-operative skin preparation Solution 10.5 ml in sterile applicator container for single use with 2% CHG and 70% IPA.	100	each

11	<b>NON CONSUMABLE - GENERAL INSTRUMENTS</b>		-
11.212	Lead apron normal - consists of frontal overlap, velcro panels, adjustable elastic belt for reduced back & shoulder stress & side slits.	10	each
11.213	Lead apron stand s/s, mobile, with min 10 hangers, with thyroid / gonald hangers.	2	each
11.214	Lead apron zero lead - consists of frontal overlap, velcro panels, adjustable elastic belt for reduced back & shoulder stress & side slits.	10	each
11.215	double lumen cannula curved up/down	1	each
11.216	single cannula straight	2	each
11.217	A reusable suture cutter open ended with 4.2mm shaft diameter left opening and total length of 13cm for arthroscopic suture cutting	1	each
11.218	A tissue grasper cum suture retriever with 4.2mm shaft diameter with self-releasing locking mechanism with small, serrated tips for ease of arthroscopic use	1	each
11.219	Digital dynamometer for manual muscle testing 1. The dynamometer should be portable (battery operated / rechargeable) with removable straps 2. It should be smaller in size so that it can be held in the hand easily to perform the operations 3. Provisions to store the patient's data in the system along with the measured value of the isometric muscle strength 4. Bold display of the calibration, patient name, data, side and the movement (To be displayed until its changed) 5. Measurement of isometric force with high accuracy ranging from 0 to 180 - 190 lbs. (80-100kgs) 6. Recalibration of force to weight ratio should be included 7. Mobile application of the system should be provided for easy usage and handling 8. App should be compatible to any android phone or tablet 9. Measurement units in pounds and kilograms 10. Hold time should have a control of variations. 11. Blue tooth connectivity with provision to transfer files 12. Should be Compatible with IOS 11.0 and Android 4.4 / later	1	each
11.220	A Knot pusher closed end with modified blue handle in order provide ergonomic feel and distal edges should be smooth to avoid suture cutting in rotator cuff repair	1	each
11.221	A metal reusable instrument with 3.4 mm shaft diameter straight shaft and approximately 16cm in length for arthroscopic suture retrieval	1	each
11.222	Arthroscopic soft tissue grasper 2.5 - 3mm	2	each
11.223	Arthroscopic soft tissue grasper 2.5 - 3mm upcurved	1	each
11.224	Arthroscopic soft tissue grasper 3-4 mm	2	each
11.225	Arthroscopic soft tissue grasper with ratchet (locking mechanism) 2.5 - 3mm	2	each
11.226	Arthroscopic soft tissue grasper with ratchet 3-4 mm	2	each
11.227	Arthroscopic Hook scissors 20 -30 degree left	1	each
11.228	Arthroscopic Hook scissors 20- 30 degree right	1	each

11.229	Arthroscopic Hook scissors straight	1	each
12	<b>Arthroscopic narrow punches less than 3 mm cutting width, 3.4 -3.5 mm sheath diameter, working length at least 12 cm</b>		-
12.230	Arthroscopic reusable punch for resection of soft tissue Straight	1	each
12.231	Arthroscopic reusable punch for resection of soft tissue curved left	1	each
12.232	Arthroscopic reusable punch for resection of soft tissue curved right	1	each
12.233	Arthroscopic reusable punch for resection of soft tissue 15 degrees upcurved	1	each
12.234	Arthroscopic reusable punch backbiter for resection of soft tissue	1	each
12.235	Suction Punch , straight with long handle	2	each
13	<b>Arthroscopic punches 3 -4 mm cutting (Bite) width, 3.4 -3.5 mm sheath diameter, working length at least 12 cm</b>		-
13.236	Basket Punch Duckbill straight	1	each
13.237	Basket Punch Duckbill 90 degree curved left	1	each
13.238	Basket Punch Duckbill 90 degree curved right	1	each
13.239	Basket Punch Duckbill 20- 30 degree curved left	1	each
13.240	Basket Punch Duckbill 20 - 30 degree curved right	1	each
13.241	Arthroscopic big bite punch 15 degrees upcurved	1	each
13.242	Basket Punch Duckbill straight backbiter	1	each
13.243	Oval punch more than 4mm bite width straight	2	each
13.244	Oval punch more than 4mm bite width 30 degrees left	1	each
13.245	Oval punch more than 4mm bite width 30 degrees right	1	each
13.246	Arthroscopy knife round, curved, working length 15 -18 mm	2	each
14	<b>Arthroscopic knee curettes with handle:</b>		-
14.247	curette, small, oval, curved 10 degree upwards, working length more than 12cm	1	each
14.248	curette, medium, oval, curved 10 degree upwards, working length more than 12cm	1	each
14.249	Curette, large, oval, curved 10 degree upwards, working length more than 12cm	1	each
14.250	Bending tool	1	each
14.251	Cannula to access posterior horn	1	each
14.252	Double lumen cannula curved left	1	each
14.253	Double lumen cannula curved right	1	each
14.254	Double lumen cannula curved up left	1	each
14.255	Double lumen cannula curved up right	1	each
14.256	Double lumen cannula straight	1	each
14.257	Metal mallet with plastic head , length 22.5cm	1	each
14.258	Notch chisel with handle curved 15 degrees downwards , working length more than 12 cm , round tip, with markings for depth measurement	2	each
14.259	Osteotome. Thin, flat tip, 10mm width for harvesting bone patella tendon graft	2	each
14.260	Osteotome. Thin, flat tip, 8mm width for harvesting bone patella tendon graft	1	each

14.261	rasp , narrow, curved, working length more than 12 cm	1	each
14.262	rasp , narrow, straight, working length more than12 cm	1	each
14.263	Reusable inside out meniscal repair set	2	each
14.264	Thimble for meniscal repair	1	each
14.265	PLATE BENDER	10	each
14.266	Ilizarov wire cutter	2	each
14.267	KWIRE CUTTERS	2	each
14.268	ROD CUTTERS	2	each
14.269	WIRE CUTTER CUM BENDER	5	each
14.270	METAL BONE BIOPSY NEEDLE SET - OUTER SLEEVE CANNULATED 5 MM	2	each
14.271	CEMENT MIXING BOWL WITH SPATULA	2	each
14.272	cement mixing bowl with spatula	5	each
14.273	Centrifuge for PRP and BMA concentrate, table top automated with brushless induction motor 6000 RPM, weight 5 kg with 24 tubes of 15 ml	1	each
14.274	HOKE CHISEL	2	each
14.275	Debakey bull dog clamps vascular size - 25, 30, 45mm	6	each
14.276	DIETHRICH DEBAKEY CROSS ACTION BULLDOG CLAMP ANGLED 50°, JAW 10MM AND 52MM TOTAL LENGTH WITH STANDARD PRESSURE OF 80 GRAMS	6	each
14.277	DIETHRICH DEBAKEY CROSS ACTION BULLDOG CLAMP ANGLED 50°, JAW 14MM AND 54MM TOTAL LENGTH WITH STANDARD PRESSURE OF 80 GRAMS	6	each
14.278	DIETHRICH DEBAKEY CROSS ACTION BULLDOG CLAMP STRAIGHT, JAW 12MM AND 53MM TOTAL LENGTH WITH STANDARD PRESSURE OF 80 GRAMS	6	each
14.279	DIETHRICH DEBAKEY CROSS ACTION BULLDOG CLAMP STRAIGHT, JAW 15MM AND 56MM TOTAL LENGTH WITH STANDARD PRESSURE OF 80 GRAMS	6	each
14.280	Multifunctional A3 copier'/printer, duplex, LAN, RADF, Scan to folder, 20CPM	1	each
14.281	Cuff arm for tourniquet compatible with VBM m/c size - adult	2	each
14.282	Cuff thigh for tourniquet compatible with VBM m/c size - adult	4	each
14.283	Cuff tourniquet compatible with VBM m/c size - paed	2	each
14.284	VOLKMAN CURETTE 220 MM (SIZE 3 MM) OVAL CUP - SHARP EDGED	6	each
14.285	Volkman's curettee backward angled 2" to 4"	4	each
14.286	Volkman's curettee forward angled 2" to 4"	4	each
14.287	SUPERFINE VESSEL DILATOR 13,5CM, STRAIGHT FLAT HANDLE 9MM, TIPS 4X0,3MM. MUST HAVE A HIGHLY POLISHED AREA IN THE WORKING SURFACE TO AVOID INTERLUMINAL INJURY IN THE VESSEL	2	each
14.288	ELEVATOR DISECTOR DOUBLE ENDED	6	each
14.289	FINE DISECTOR REINFIELD	6	each

14.290	FREER DOUBLE ENDED DISSECTOR, WITH SHARP AND BLUNT ENDS 190MM	6	each
14.291	KILLIAN DOUBLE ENDED DISSECTOR WITH SHARP AND BLUNT ENDS 180MM	4	each
14.292	McDONALD DOUBLE ENDED DISSECTOR, 190MM	6	each
14.293	MICRO DISSECTOR FLAT"/CURVED	6	each
14.294	Penfield Dura Dissector, Double Ended, curved, 290mm	6	each
14.295	Penfield Dura Dissector, Double Ended, One side Wax Packer and one side Dissector curved, 190mm	6	each
14.296	Tungsten Carbide Metzenbaum-Aquila-Fino Dissect.Sc curved, bl"/round, TC, SC, golden scres 18cm	2	each
14.297	Tungsten Carbide Metzenbaum-Delicate Dissect.Scis.18cm curved, bl"/bl, black	2	each
14.298	Tungsten Carbide Metzenbaum-Delicate Dissect.Scis.20cm curved, bl"/bl, black	2	each
14.299	Tungsten Carbide Metzenbaum-Delicate Dissect.Scis.25cm curved, bl"/bl, black	2	each
14.300	Tungsten Carbide Metzenbaum-Delicate Dissect.Scis.28cm curved, bl"/bl, black	2	each
14.301	Tungsten Carbide Metzenbaum-Dissec.18cm,cvd., black coated	2	each
14.302	Tungsten Carbide Metzenbaum-Dissec.20cm,cvd., black coated	2	each
14.303	Tungsten Carbide Metzenbaum-Dissec.23cm,cvd., black coated	2	each
14.304	Tungsten Carbide Metzenbaum-Dissect.Scis.20cm,cvd. Titan Nitrite coated-copper	2	each
14.305	Tungsten Carbide Metzenbaum-Dissect.Scis.23cm,cvd. Titan Nitrite coated-copper	2	each
14.306	Tungsten Carbide Metzenbaum-Dissect.Scis.23cm,str. black coated, golden rings	2	each
14.307	Tungsten Carbide Metzenbaum-Dissect.Scis.26cm,cvd. black coated	2	each
14.308	Tungsten Carbide Metzenbaum-Dissect.Scis.26cm,str. black coated	2	each
14.309	Tungsten Carbide Metzenbaum-Dissect.Scis.30cm,cvd. Titan Nitrite coated-copper	2	each
14.310	Tungsten Carbide Metzenbaum-Dissect.Scis.30cm,str. black coated	2	each
14.311	Tungsten Carbide Metzenbaum-Dissecting.Scissors	2	each
14.312	WATSON-CHEYNE DOUBLE END DISSECTOR, 13CM	2	each
14.313	Hinterman K-wire distractor / retractor - small, large	4	each
14.314	Hand held doppler machine portable with pointed 8mhz prob for bedside evaluation of blood flow status	2	each
14.315	Battery operated Power drill (with batteries - 2 Nos + Charger-1 No)	2	each
14.316	HAND DRILL JACOB CHUCK WITH KEY	5	each
14.317	LONG CANNULATED SCREW DRIVER	10	each
14.318	SCREW DRIVERS 3.5 MM : LENGTH 200 MM NON CANNULATED	2	each
14.319	SCREW DRIVERS 3.5 MM : LENGTH 250 MM NON CANNULATED	2	each



14.320	SCREW DRIVERS 4.5 MM : LENGTH 250 MM NON CANNULATED	2	each
14.321	Cobbs spinal elevator straight & angled	4	each
14.322	PERIOSTEAL ELEVATOR	5	each
14.323	Bone file s/s compatible with power reamer attachment	2	each
14.324	FIBRE OPTIC CABLE WITH ADOPTER LENGTH 8.5 FEET OR 260cm(COMPATIBLE WITH KARL STORZ LIGHT SOURCE)	2	each
14.325	8" FERRIS SMITH FORCEPS	2	each
14.326	ALLIES TISSUE FORCEPS 150MM	2	each
14.327	DEBAKEY DISSECTING FORCEPS WITH TUNGSTEN CARBIDE TIP, ROUND HANDLE, MUST BE USEFUL FOR NEEDLE PULLING OF 5 '0' AND 6 '0' SUTURE NEEDLES. 15CM LENGTH AND 2MM JAW.	2	each
14.328	DISSECTING FORCEPS TOOTHED CROSS SERRATED BOSS 2X3 TEETH 5"	10	each
14.329	DISSECTING FORCEPS TOOTHED CROSS SERRATED BOSS 2X3 TEETH 7"	10	each
14.330	DISSECTING FORCEPS TOOTHED CROSS SERRATED BOSS 2X3 TEETH 8"	10	each
14.331	Forceps MOSQUITO CURVED ARTERIES CURVED SERRATED JAW 5"	10	each
14.332	Forceps SPENCERWELL CD ARTERIES	2	each
14.333	HUDSON NONTOTHED forceps	2	each
14.334	HUDSON TOOTHED FORCEPS 170MM	20	each
14.335	LEKSELL Rongeur	2	each
14.336	MICRO-NECRO FORCEPS WITH DEBAKEY AUTRAMATIC JAW, ROUND HANDLE, 15CM TOTAL LENGTH AND 1.2MM JAW.	2	each
14.337	RHOTON MICRO-FORCEPS 15CM/Ø8MM HANDLE, WITH TYING PLATFORM 6X0.7MM, STRAIGHT JAW WITH DIAMOND DUST	2	each
14.338	RHOTON MICRO-FORCEPS 15CM/Ø8MM HANDLE, DIAMAND COATED RING JAWS 2X1MM,WITH GUIDE PIN	2	each
14.339	RHOTON MICRO-FORCEPS 15CM/Ø8MM HANDLE, DIAMAND DUST RING JAWS 1X.5MM,WITH GUIDE PIN	2	each
14.340	Ruskin-Liston Bone Cutting Forceps, Length 18cm, Straight & Curved, Ceramic Black Coated	4	each
14.341	SILVER NON-STICK bipolar forceps with European Style Flat Pin Width of tips sizes from 0.3mm to 2.0mm, length 150mm to 220mm	8	each
14.342	SILVER NON-STICK bipolar forceps with European Style Flat Pin with Round Handle with Golf Ball Finish Width of tips from 0.3mm to 2.0mm, length 150mm to 220mm	8	each
14.343	Standard Dissection forceps - Plain tip, 2mm tip - 110 to 130 mm long	2	each
14.344	Standard Dissection forceps - Plain tip, 3mm tip - 140 to 160 mm long	2	each
14.345	Standard Dissection forceps - Plain tip, 4mm tip - 180 mm long	2	each

14.346	Standard Dissection forceps - Plain tip, 4mm tip - 230 mm long	2	each
14.347	Standard Dissection forceps - Plain tip, 4mm tip - 305 mm long	2	each
14.348	Standard Dissection forceps - toothed tip, 3 mm tip - 230 mm long	2	each
14.349	Standard Dissection forceps - toothed tip, 4mm tip - 305 mm long	2	each
14.350	Standard Dissection forceps - toothed tip, 2.5 mm tip - 140 to 160 mm long	2	each
14.351	Standard Dissection forceps - toothed tip, 2mm tip - 110 to 130 mm long	2	each
14.352	Standard Dissection forceps - toothed tip, 3 mm tip - 205 mm long	2	each
14.353	TILLY'S FORCEPS	2	each
14.354	DEPTH GAUGE Big 3.5 MM , LENGTH 250	2	each
14.355	DEPTH GAUGE Medium 3.5 MM , LENGTH 200	2	each
14.356	DEPTH GAUGE Medium 4.5 MM , LENGTH 200	2	each
14.357	DEPTH GAUGE Small 3.5 MM , LENGTH 150	2	each
14.358	DEPTH GAUGE Small 4.5 MM , LENGTH 150	2	each
14.359	BONE GRAFT PUNCHES LARGE 254 MM, HEAD DIA 12X18MM STRAIGHT & ANGLED	10	each
14.360	BONE GRAFT PUNCHES SMALL 254 MM, HEAD DIA 9X15MM STRAIGHT & ANGLED	10	each
14.361	Guide wire aiming and repositioning device 1.should allow 5 degree angulation and 5 mm offset insertion 2. Should accommodate guide wires upto 3.2 mm	2	each
14.362	SPRING HANDLE MICRO SCISSOR CURVED JAW, TOTAL LENGTH 14,5CM,ROUND HANDLE	2	each
14.363	SPRING HANDLE MICRO SCISSOR STRAIGHT JAW, TOTAL LENGTH 14,5CM,ROUND HANDLE	2	each
14.364	T handle for shanz pin insertion with Jacob chuck 140 mm, chuck key	2	each
14.365	CURVED NEEDLE HOLDER LARGE	2	each
14.366	DeBakey Needle Holder - Tungsten carbide tip - with straight jaws for suture size 5-0 Ring handle, - with ratchet 240-250 mm long	2	each
14.367	DeBakey Needle Holder - Tungsten carbide tip - with straight jaws for suture size 2-0, 3-0 & 4-0 Ring handle, - with ratchet 150-180 mm long	2	each
14.368	DeBakey Needle Holder Tungsten carbide Tip - with straight jaws for suture size 2-0, 3-0 & 4-0 Ring handle, - with ratchet 200-220 mm long	2	each
14.369	Hegar vascular needle holder - with Tungsten carbide edges - 1 mm wide Ring handle, - with ratchet (Size 1: 140 mm long)	2	each
14.370	Hegar vascular needle holder - with Tungsten carbide edges - 1 mm wide Ring handle, - with ratchet (Size 2: 185 mm long)	2	each
14.371	Hegar vascular needle holder - with Tungsten carbide edges - 1 mm wide Ring handle, - with ratchet (Size 3: 205 mm long)	2	each
14.372	Hegar vascular needle holder - with Tungsten carbide edges - 1 mm wide Ring handle, - with ratchet (Size 4: 230 mm long)	2	each
14.373	MAYO NEEDLE HOLDER STRAIGHT WIDE CROSS SERRATED JAWS 7"	2	each

14.374	MICRO-NEEDLE HOLDER ROUND HANDLE, WITH RATCHET, TOTAL LENGTH 15CM, HANDLE Ø8MM, STRAIGHT JAW , JAWS 11X1.5MM, DIAMOND DUST JAWS, STREAMLINED. SHOULD ACCOMMODATE 6'0' SUTURE NEEDLE.	2	each
14.375	MICRO-NEEDLE HOLDER ROUND HANDLE, WITH RATCHET, TOTAL LENGTH 15CM, HANDLE Ø8MM, STRAIGHT JAW , JAWS 11X2MM, DIAMOND DUST JAWS, STREAMLINED. SHOULD ACCOMMODATE 5'0' SUTURE NEEDLE.	2	each
14.376	STRAIGHT NEEDLE HOLDER SMALL, MED, LARGE	2	each
14.377	Tungsten Carbide Crile-Wood Needle Holder 15cm	2	each
14.378	Tungsten Carbide Crile-Wood Needle Holder 15cm black coated	2	each
14.379	Tungsten Carbide Crile-Wood Needle Holder 18cm	2	each
14.380	Tungsten Carbide Crile-Wood Needle Holder 20cm	2	each
14.381	Tungsten Carbide Crile-Wood Needle Holder 22cm	2	each
14.382	Tungsten Carbide Crile-Wood Needle Holder 23cm	2	each
14.383	Tungsten Carbide Mayo-Hegar Needle Holder 14cm	2	each
14.384	Tungsten Carbide Mayo-Hegar Needle Holder 16cm	2	each
14.385	Tungsten Carbide Mayo-Hegar Needle Holder 18cm	2	each
14.386	Tungsten Carbide Mayo-Hegar Needle Holder 18cm black coated	2	each
14.387	Tungsten Carbide Mayo-Hegar Needle Holder 20cm	2	each
14.388	Tungsten Carbide Mayo-Hegar Needle Holder 24cm	2	each
14.389	Tungsten Carbide Mayo-Hegar Needle Holder 26cm	2	each
14.390	Tungsten Carbide Micro-Vascular Needle Holder 14cm	2	each
14.391	Tungsten Carbide Micro-Vascular Needle Holder 18cm	2	each
14.392	Tungsten Carbide Micro-Vascular Needle Holder 20cm	2	each
14.393	Tungsten Carbide Micro-Vascular Needle Holder 23cm	2	each
14.394	Tungsten Carbide Micro-Vascular Needle Holder 26cm	2	each
14.395	BONE HOOK small, med, big	2	each
14.396	Love Nerve hook ball tip	2	each
14.397	Love nerve hook blunt	2	each
14.398	FEMORAL HEAD IMPACTOR nylon faced	2	each
14.399	Graft Impactor offset foot 30 degree 4 x 12 mm	2	each
14.400	Beyers bone Nibbler 7" long	2	each
14.401	Ruskin mini curved bone nibbler 6" long	2	each
14.402	Nitinol wire	50	each
14.403	Detachable handle compatible for Fine osteotome thin slender stem.	2	each
14.404	CURVED OSTEOTOME FOR ACETABULUM	2	each
14.405	HIBBS OSTEOTOMES THIN SOLID FORGED 203 MM - 10 MM WIDE STR & CVD	10	each
14.406	HIBBS OSTEOTOMES THIN SOLID FORGED 203 MM - 15 MM WIDE STR & CVD	10	each
14.407	HIBBS OSTEOTOMES THIN SOLID FORGED 203 MM - 20 MM WIDE STR & CVD	10	each
14.408	HIBBS OSTEOTOMES THIN SOLID FORGED 203 MM - 5 MM WIDE STR & CVD	10	each

14.409	Osteotomes for spinal osteotomies	1	each
14.410	Femoral head template 42-58mm (Increment of 2 mm)	9	each
14.411	Radiolucent pelvic retractor, medium - length 268 mm & large - length 323 mm	1	each
14.412	WIRE PASSER	2	each
14.413	Beath pin drill tip	5	each
14.414	Beath pin spade tip	5	each
14.415	PLIER FLAT NOSE	2	each
14.416	PLIERS HEAVY DUTY	2	each
14.417	PLIERS WITH SIDE CUTTERS FOR WIRE UPTO 2.5 MM CHROMIUM PLATED	5	each
14.418	Foraminotomy Punch, down curved shaft, small handle, 20cm, 2mm bite	2	each
14.419	Foraminotomy Punch, down curved shaft, small handle, 20cm, 3mm bite	2	each
14.420	Foraminotomy Punch, up curved shaft, small handle, 20cm, 2mm bite	2	each
14.421	Foraminotomy Punch, up curved shaft, small handle, 20cm, 3mm bite	2	each
14.422	Kerrison punch down cutting 1mm to 4mm	10	each
14.423	Kerrison punch down cutting 2 to 3 mm 45 deg	4	each
14.424	Kerrison punch down cutting 2 to 3 mm 90 deg	4	each
14.425	KERRISON PUNCH HANDLE, EXCHANGEABLE TIP ' / DETACHABLE - HANDLE LENGTH: 180MM, 200MM & 230MM. (2 each) - UP BITING VARIOUS DEGREE ANGLE - SAME HANDLE SHOULD ACCOMMODATE ALL THE SHAFT ' / SIZES - SHOULD BE AVAILABLE IN FULL BLACK COATED ' / SS MATT FINISH - HANDLE SHOULD BE TOTALLY DETACHABLE INCLUDING THE SHAFT - LENGTH OF BITING SHAFT NON-VARIABLE. - EXTRA THIN FOOT PLATE SHOULD BE AVAILABLE IN ALL BITE SIZES - ALL THE SHAFTS SHOULD BE AVAILABLE IN BLACK COATED ' / SS MATT FINISH.	2	each
14.426	Kerrison punch up cutting 1mm to 4mm	10	each
14.427	MULTIBITE KERRISON PUNCH- TOTAL LENGTH 180MM -UP BITING 130DEG ANGLE - FACITILY FOR MULTIPLE BITING - SHOULD HAVE BONE COLLECTING CHAMBER - SHOULD BE AVAILABLE IN FULL BLACK COATED ' / SS MATT FINISH, SIZES : 2 TO 4	10	each
14.428	Rotatable Kerrison Bone punch assembly ('Billy' or equivalent) sizes 1 mm to 4 mm 2 each. (quote prices of each extra punches separately)	10	each
14.429	DEPTH GAUGE Big 4.5 MM , LENGTH 250	2	each
14.430	BOX WRENCH FOR BOLT	10	each
14.431	BOX WRENCH FOR NUT	10	each
14.432	4 PRONG RETRACTORS	2	each

14.433	ACROMIAL RETRACTOR MEDIUM	2	each
14.434	ACROMIAL RETRACTOR SMALL	2	each
14.435	ANTERIOR CAPSULAR RETRACTOR	2	each
14.436	ANTERIOR GLENOID NECK RETRACTOR	2	each
14.437	BLUNT POINT GELPI RETRACTOR	2	each
14.438	CHARNLEY INITIAL INCISION RETRACTOR : 308 MM WITH BALL, HOOK AND CHAIN	2	each
14.439	DELTOID RETRACTOR	2	each
14.440	DELTOID RETRACTOR LARGE	2	each
14.441	DELTOID RETRACTORS SMALL	2	each
14.442	FINE SUCTION NOZZLES FRAZIER RETRACTOR	10	each
14.443	FINE SUCTION NOZZLES MCGUCKINS RETRACTOR	10	each
14.444	Gelpi-De Bakey Retractor 15cm	4	each
14.445	Gelpi-Loktite Retractor 18cm	4	each
14.446	Gelpi-Seletz Retractor 15cm	4	each
14.447	Gerdar subacromian retractor	2	each
14.448	HAND HELD DELTOID RETRACTOR	2	each
14.449	HIGS RETRACTOR	2	each
14.450	HINGED GELPI RETRACTOR	2	each
14.451	HOHMANN RETRACTOR 10 MM WIDTH, SMALL, SHORT NARROW TIP 220 MM LENGTH	4	each
14.452	HOHMANN RETRACTOR 6 MM WIDTH, SMALL, SHORT NARROW TIP 160 MM LENGTH	4	each
14.453	HOHMANN RETRACTOR 8 MM WIDTH, SMALL, SHORT NARROW TIP 160 MM LENGTH	4	each
14.454	HUMERAL HEAD RETRACTORS	2	each
14.455	Jackson-Burrows Retractor 18cm,blunt	2	each
14.456	Kolbel self retaining glenoid retractor with cutter blade set	2	each
14.457	LANGENBECK RETRACTOR LARGE STRAIGHT	2	each
14.458	LANGENBECK RETRACTOR MEDIUM	2	each
14.459	MITCHELL RUGINE RETRACTOR FAN SHAPED STRAIGHT SHARP EDGE 210 MM	2	each
14.460	MODIFIED FUKUDA RETRACTOR LARGE	2	each
14.461	MODIFIED FUKUDA RETRACTOR SMALL	2	each
14.462	NERVE ROOT RETRACTOR	2	each
14.463	PECTORAL RETRACTOR LARGE	2	each
14.464	PECTORAL RETRACTOR SMALL	2	each
14.465	Rang retractors - set of 2 for sciatic notch	1	each
14.466	RICHARDSON'S RETRACTOR	2	each
14.467	SCOFIELD RETRACTOR	2	each
14.468	SELF RETAINING RETRACTOR FRAME (SHOULDER)	2	each
14.469	WEITLANDER RETRACTOR	2	each
14.470	Bone Nibbler"/Rongeur docuble action fine straight & angled length 190 mm	5	each

14.471	Bone Nibbler"/Rongeur docuble action fine straight & angled length 250 mm	5	each
14.472	Bone Nibbler"/Rongeur docuble action forward angled length 250 mm	5	each
14.473	Bone Nibbler"/Rongeur docuble action straight & angled length 190 mm	5	each
14.474	Bone Nibbler"/Rongeur docuble action straight & angled length 250 mm	5	each
14.475	Disc Rongeurs (Pitutary disc forceps) angled sizes 1mm to 4mm	10	each
14.476	Disc Rongeurs (Pitutary disc forceps) straight sizes 1mm to 4mm	10	each
14.477	Echlin Bone Rongeur Forcep 23cm"/2mm to 4mm, straight	2	each
14.478	Gruenwald (Cushing) Rongeur 18cm"/2, 3, 4 x10mm, curved down, detachable	2	each
14.479	Gruenwald (Cushing) Rongeur 18cm"/2, 3, 4 x10mm, curved up, detachable	2	each
14.480	Gruenwald (Cushing) Rongeur 18cm"/2, 3, 4 x10mm, straight, detachable	2	each
14.481	Ruskin Bone Rongeur Forcep, Double Action 18cm Length"/Bite Size 4mm to 5mm, Straight, Ceramic Black Coated	2	each
14.482	Battery operated Power saw (with batteries - 2 Nos + Charger-1 No)	2	each
14.483	MEASURING SCALE - 15 cm	5	each
14.484	MEASURING SCALE - 30 cm	5	each
14.485	KILNER SCISSORS 5" STRAIGHT & CURVED	8	each
14.486	Mayo Scissors - with tungsten carbide edges - Curved, Large 230 mm long	2	each
14.487	Mayo Scissors - with tungsten carbide edges - Curved, Medium 170 mm long	2	each
14.488	Mayo Scissors - with tungsten carbide edges - Curved, Small 145mm long	2	each
14.489	Mayo Scissors - with tungsten carbide edges - Straight, Large 230 mm long	2	each
14.490	Mayo Scissors - with tungsten carbide edges - Straight, Medium 170 mm long	2	each
14.491	Mayo Scissors - with tungsten carbide edges - Straight, Small 145mm long	2	each
14.492	Metzenbaum Scissors - with tungsten carbide edges - Lazy S Curved, 205 mm long	2	each
14.493	Metzenbaum Scissors - with tungsten carbide edges - Lazy S Curved, 230 mm long	2	each
14.494	Metzenbaum Scissors - with tungsten carbide edges - Curved, 115mm long	6	each
14.495	Metzenbaum Scissors - with tungsten carbide edges - Curved, 145 mm long	6	each
14.496	Metzenbaum Scissors - with tungsten carbide edges - Curved, 180 mm long	6	each

14.497	Metzenbaum Scissors - with tungsten carbide edges - Curved, 205 mm long	6	each
14.498	Metzenbaum Scissors - with tungsten carbide edges - Curved, 230 mm long	2	each
14.499	Metzenbaum Scissors - with tungsten carbide edges - Curved, 260 mm long	2	each
14.500	Metzenbaum Scissors - with tungsten carbide edges - Curved, 285 mm long	2	each
14.501	Metzenbaum Scissors - with tungsten carbide edges - Curved, 300 mm long	2	each
14.502	Metzenbaum Scissors - with tungsten carbide edges - Lazy S Curved, 180 mm long	2	each
14.503	Metzenbaum Scissors - with tungsten carbide edges - Straight, 300 mm long	2	each
14.504	Metzenbaum Scissors - with tungsten carbide edges - Straight, 115mm long	2	each
14.505	Metzenbaum Scissors - with tungsten carbide edges - Straight, 145 mm long	2	each
14.506	Metzenbaum Scissors - with tungsten carbide edges - Straight, 180 mm long	2	each
14.507	Metzenbaum Scissors - with tungsten carbide edges - Straight, 205 mm long	2	each
14.508	Metzenbaum Scissors - with tungsten carbide edges - Straight, 230 mm long	2	each
14.509	Metzenbaum Scissors - with tungsten carbide edges - Straight, 260 mm long	2	each
14.510	Metzenbaum Scissors - with tungsten carbide edges - Straight, 285 mm long	2	each
14.511	PLASTER CUTTING SCISSORS	2	each
14.512	SCISSORS FOR CUTTING POLY PROPLENE SUTURE MATERIAL AND 1'0' SUTUREMATERIAL - ONE SIDE OF THE BLADE WITH SERRATION AND ANOTHER SIDE WITH TUNGESTEN CARBIDE TIP - AVAILABLE LENGTHS: 6", 7", 8"	6	each
14.513	SCISSORS METZENBAUM 5" STRAIGHT & CURVED	8	each
14.514	SCISSORS METZENBAUM 7" STRAIGHT & CURVED	8	each
14.515	Tungsten Carbide Mayo Scissor 17cm, straight, black coated, golden handles	2	each
14.516	Tungsten Carbide Mayo-Stille Scissor 17cm,curved Titan Nitrite coated-copper	2	each
14.517	Charnley scoop long small & medium	4	each
14.518	SCOOP DOUBLE ENDED FINE	6	each
14.519	Continuous Band sealer machine for packing Instruments and Implants for Plasma sterilization	1	each
14.520	HOEN DURA SEPARATOR 15CM/45°	2	each
14.521	HOEN DURA SEPARATOR 15CM/90°	2	each
14.522	Subscapuler's spreader	2	each

14.523	Tendon stripper with rotating blade for iliotibial tract	4	each
14.524	Suction apparatus mobile with disposable/bio-degradable consumable sealed containers	1	each
14.525	YANKAUER SUCTION NOZZLE	10	each
14.526	WIRE TENSIONER (TBW)	2	each
14.527	WIRE TENSIONER DIRECT MEASURE	2	each
14.528	Fukushima Suction Tube conical WL 115mm"/ Fr.6 to 8, flexible	3	each
14.529	Patient warming system Adult (convective Air warming system) with 10 Nos of blankets (Adult size)	1	each
14.530	RAPID BLOOD"/FLUID WARMER Should be horizontally and vertically mountable two standard tubes-4mm and 5 mm flow rate should be 1-20ml"/min user adjustable set point temperature LED display temperature alarm weight should be less than 2 kg	4	each
14.531	GUIDE WIRE 2MMX40	30	each
14.532	GUIDEWIRE 2.5MMX40	30	each
14.533	SS WIRE CUTTERS	4	each
14.534	COMBINATION WRENCH 10,11	25	each
14.535	Triangle support knee positioning large & standard	3	--
14.536	Entire human skeleton model (for ORTHOPEDIC teaching purpose) 1. Should have muscle origin and insertion marked in colours on the bones 2. Should be more than 150 cm in height 3. Should be attached on a rolling stand 4. Should be preferably made of high-quality PVC.	2	--
15	<b>Special quantity items - PAEDIATRIC IMPLANTS</b>		
15.537	Micrometric swivelling clamp, OF-Garches, T-clamp, Multiplanar clamp compatible with Paediatric limb reconstruction system (LRS)	5	each/unit
15.538	Mini-rail lengthener with articulation for short(upto 32.5mm), standard(upto 57.5mm) & long(upto 135.5mm)	5	each/unit
15.539	Mini-rail lengthener without articulation for short(upto 32.5mm), standard(upto 57.5mm) & long(upto 135.5mm)	5	each/unit
15.540	Bone screw - with taper thread design, self tapping design - length 150 - 260mm; thread length 30 - 90mm; 6mm shaft diameter	5	each/unit
16	<b>VII - MISCELLEANOUS Consumables</b>		
16.541	STERILE SURGICAL TOURNIQUET ( All in one exsanguination sterile tourniquet) - sizes 14 - 85cms (small, medium, large, extra large)	3	each
17	<b>NON-CONSUMABLES</b>		
17.542	BITE SIZES : 2 TO 5 (upcutting and down cutting detachable tips, 40degrees and 90 degrees)	2	each
17.543	Fine osteotome thin slender stem, sizes - 2 to 10mm compatible with detachable handle	2	each
17.544	Chisel Blades with handle <b>width 10 mm, short, width 10 mm, long, width 16 mm, short, width</b>	1	each



	<b>16 mm, long, width 25 mm, short, width 25 mm, long, width 5 mm, short, width 5 mm, long</b>		
17.545	Curved Chisel Blades with handle <b>width 10 mm, width 16 mm, width 25 mm</b>	1	each
17.546	Pelvic osteotomes - Straight, angled, short angled bayonet shaped, flag shaped (15 & 20mm width)	1	each
17.547	Pelvic osteotomy chisel, curved length 304/134 mm, width 15 & 20mm	1	each
17.548	Pelvic osteotomy chisel, curved length 309 mm, width 15 & 20mm	1	each
17.549	Radiolucent hohman retractors <b>width 8 mm, length 220 mm, width 22 mm, length 250 mm, width 35 mm, length 275 mm, width 18 mm, length 240 mm, width 24 mm, length 267 mm</b>	1	each
17.550	Radiolucent pelvic retractor (260 mm & 320mm length)	1	each
17.551	CANNULATED REAMERS SET WITH T-HANDLE sizes : 6mm to 13mm	2	each
17.552	Army - Navy retractor - set of 2 Right angled , 8 1/2 inch	1	each

### **Additional tender conditions:**

1. **SAMPLES: ALL IMPLANTS ARE TO BE FDA, CE OR DGCI APPROVED AND ACCOMPANIED BY A REPRESENTATIVE SAMPLE. QUOTATIONS WITHOUT REPRESENTATIVE SAMPLE WILL SUMMARILY BE REJECTED.** Samples should be submitted in the department within ONE month of submission of the tender. It is, therefore, in the own interest of the firm(s) concerned to get their samples verified / inspected and taken back except samples consumed during testing/trial at their own cost and risk. Each sample to have ID label with information, viz. Name/address of firm, Tender ref, tender Item no.
2. It may please be noted that sometimes, the specific size / measurement of an implant / item could only be determined by the surgeon in the operation theatre, due to individual variations in physical measurements of patients. The tenderer should be willing to provide all items within a range of sizes / measurements are available during operation to choose from. It is made clear that only those items which are used are considered for procurement and the rest / unused items are to be taken back by the tenderer at his own risk and cost.
3. Costing should be quoted for " UNITS" not individual component of implants. The supplier will maintain the requisite inventory in the operation theatre along with a complete instrumentation set and replace the implants as and when used immediately, till the requisite number of units are consumed. Thereafter the remaining implants and instrumentation will be returned to the supplier. The supplier has to effect supply irrespective of time till requisite units are supplied. Complete inventory of implants and working instrumentation should be available in the OT till the order is complete. Instrumentation sets with suitable autoclavable boxes TO BE PROVIDED on loaner basis as and when required. Any DEFECTIVE INSTRUMENTATION SHOULD BE REPLACED/ REPAIRED AS AND WHEN THEY OCCURS. The word Set means complete inventory of implants with complete instrumentation set. Unit means a complete implant used in a single surgery for example " for a 4 holed plate a unit means a plate with 4 screws is a single unit."
4. SUPPLIERS MUST QUOTE FOR THE COMPLETE RANGE OF ITEMS IN SET. INCOMPLETE QUOTATIONS WILL BE SUMMARILY REJECTED. The quantity/sizes mentioned is only tentative. The actual quantity/sizes of requirements will be intimated at the time of supply. In case of cost is variable, size-wise, average cost may be quoted unlike the cost of higher/highest sizes.
5. Tenderers are also informed that these rates will be applied for procuring Implants for TNCMCHIS as well as RASTRIYA AROGYA NIDHI (RAN) covered patients and the selected firm has to deliver such implants at the quoted rates even if asked to supply a single item, for such patients. The delivery should be affected within 24 hours of raising a demand and a separate invoice has to be submitted to JIPMER, for this supply.
6. **EXCHANGE CLAUSE:** Provision for exchange of used implants with required sizes/specs should be made through out the tender period.
7. A valid copy of ISO: 13485 Certificate reflecting the name and the address of the manufacturing site to be submitted.
8. **FORM - 28 FROM MANUFACTURER TO BE SUPPLIED, FAILING WHICH QUOTATIONS WILL BE REJECTED.**
9. For overseas manufactures: A licence in Form 10 or in Form 10-A to be submitted.
10. **ONLY MANUFACTURERS OR AUTHORISED REPRESENTATIVES ARE PERMITTED TO PARTICIPATE IN THE TENDER PROCESS. PERMISSION FROM MANUFACTURERS AUTHORISING DEALERS MUST BE ATTACHED.**

### Section-III

#### **GENERAL INSTRUCTIONS TO TENDERERS**

##### **1. Period of contract:**

The contract shall initially be for a period of **one year** that may be extended to **6 months**. The rates approved shall remain unchanged during the period of contract.

##### **2. Bid Security (Earnest Money Deposit)**

- i. In compliance with the OM No. F.9/4/2020-PPD dated 12.11.2020 on the subject —Bid Security/ Earnest Money Deposit, issued by the Procurement Policy Division, Department of Expenditure, Ministry of Finance, Government of India, there is no need for bidders to pay Bid Security/ Earnest Money Deposit for participating in this tender.
- ii. However, in lieu of Bid Security, the bidder must print this —Bid Security Declaration on his/her firm's letterhead duly sign the undertaking and upload the document in the fee cover.
- iii. The bidder hereby declares that they accept the condition that if they withdraw or modify their bids during period of validity etc., they will be suspended for a period of two years from participating in any tender invited by JIPMER, Puducherry with effect from the date of their withdrawal or modification of their bid.

##### **3. Eligibility conditions of bidders:**

- i. The Tenderer must be a domestic manufacturer that is a 'Class-I local supplier' or a 'Class-II local supplier' as defined under Public Procurement (Preference to Make in India), order 2017 of MoC and I (DIPP), Govt. Of India, as further amended by orders of even number dated 28.05.2018, 29.05.2019, 04.06.2020 and 16.09.2020. In case the manufacturer does not quote directly, they may authorize an agent as per proforma of Manufacturer authorization form as given in the Tender enquiry document to quote and enter into a contractual obligation.
- ii. In compliance with order (Public Procurement No.1) No. 6/18/2019-PPD dated 23rd July 2020 issued by the Public Procurement Division, Dept. of Expenditure, Min of Finance under Rule 144(xi) of GFR 2017 any bidder 'from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority.
  - a. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
  - b. "Bidder from a country which shares a land border with India" for the purpose of this Order means: -

- I. An entity incorporated, established or registered in such a country; or
- II. A subsidiary of an entity incorporated, established or registered in such a country; or
- III. An entity substantially controlled through entities incorporated, established or registered in such a country; or
- IV. An entity whose beneficial owner is situated in such a country; or
- V. An Indian (or other) agent of such an entity; or
- VI. A natural person who is a citizen of such a country; or
- VII. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

c. The beneficial owner for the purpose of (5.2.2) above will be as under:

- I. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation—

- "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent, of shares or capital or profits of the company;
  - "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;
- II. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership.
  - III. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals.
  - IV. Where no natural person is identified under (a) or (b) or (c) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
  - V. In case of a trust, the identification of the beneficial owner(s) shall include the identification of the author of the trust, the trustee, the beneficiaries with 15% or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

d. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

e. In case of turnkey contracts, the successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

- f. Bidders must certify compliance with the above mentioned provisions in the tender form as per Section VII.
- g. The bidder should have successfully completed the delivery of the item of at least 25% of the quantity required in this tender to a government hospital in the last 3 years.
- h. The bidder or the manufacturer must have an average annual turnover of at least Rs.1,00,00,000/-(Rupees one crore only) each during the last three financial years i.e. 2017-18, 2018-19, 2019-20.
- i. Bidder should have ISO Certification.

#### **4. Purchase Preference**

- i. The Procurement of goods and services under this e-tender will be regulated as per the applicable provisions of Public Procurement (Preference to Make in India), order 2017 of MoC and I (DIPP), Govt. Of India, as further amended by orders of even number dated 28.05.2018, 29.05.2019, 04.06.2020 and 16.09.2020. Salient portions of the order are reproduced in Appendix A of this tender document by way of information. Bidders are advised to see the original orders and satisfy themselves that they qualify to participate in the tender. Bidders who are claiming eligibility to participate in this tender must submit a certificate in format given in Appendix A along with documentary evidence in support of their claim wherever necessary failing which their bid will be summarily rejected. The purchaser reserves the right to give preference to the 'Class-I local supplier'.
- ii. The Purchaser reserves the right to give the purchase preference to small-scale sectors, Micro and small scale enterprises etc. as per the instruction in vogue while evaluating, comparing and ranking the responsive Tenders as given in the MSMED Act 2006 reproduced below:
  - a. In exercise of powers conferred in Section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act 2006, the Government has notified a new Public Procurement Policy for Micro & Small Enterprises effective from 1st April 2012. The policy mandates that 25% of procurement of annual requirement of goods and services by all Central Ministries/Public Sector Undertakings will be from the micro and small enterprises. The Government has also earmarked a sub-target of 4% procurement of goods & services from MSEs owned by SC/ST entrepreneurs out of above said 25% quantity.
  - b. In accordance with the above said notification, the participating Micro and Small Enterprises (MSEs) in a tender, quoting price within the band of L1+15% would also be allowed to supply a portion of the requirement by bringing down their price to the L1 price, in a situation where L1 price is from someone other than an MSE. Such MSEs would be allowed to supply up to 25% of the total tendered value. In case there are more than one such eligible MSE, the 25% supply will be shared equally. Out of 25% of the quantity earmarked for supply from MSEs, 5% quantity is earmarked for procurement from MSEs owned by SC/ST entrepreneurs. However, in the event of failure of such MSEs to participate in the Tender process or meet the

tender requirements and the L1 price, the 5% quantity earmarked for MSEs owned by SC/ST entrepreneurs will be met from other participating MSEs.

- c. The MSEs fulfilling the prescribed eligibility criteria and participating in the Tender shall enclose with their tender a copy of their valid registration certificate with District Industries Centres or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or any other body specified by Ministry of Micro and Small enterprises in support of their being an MSE, failing which their tender will be liable to be ignored.
- d. Special provision for Micro and Small Enterprise owned by women: – Out of the total annual procurement from Micro and Small Enterprises, 3 per cent from within the 25 per cent target shall be earmarked for procurement from Micro and Small Enterprises owned by women.
- e. Note: “If the bidder is a MSME, it shall declare in the bid document the Udyog Aadhar Memorandum Number issued to it under the MSMED Act, 2006. If a MSME bidder do not furnish the UAM Number along with bid documents, such MSME unit will not be eligible for the benefits available under Public Procurement Policy for MSEs Order 2012.

## **5. Demonstration of sample**

The tenderer must give a sample within **ten** days of the closing of online submission of bids failing which the bids will be rejected.

## **6. Instructions for the filling the tender form**

- i. E-Tender form shall be completed in all respect, signed in full and stamped at appropriate places and initialed and stamped on all remaining pages. Incomplete or e-tenders without tender processing fee, bid security declaration, Make-in-India self-certification as in Appendix-A only by original manufacturer, GFR 144 (xi) compliance certificate as in Section-X shall be treated as invalid.
- ii. Bidders have to ensure that all the documents are properly filled.
- iii. Conditional tenders are liable to be rejected.
- iv. Bids received and found valid will be evaluated by JIPMER to ascertain the complete work/services under the specification and documents. The bidder should take care to submit all the information sought by JIPMER in prescribed formats.
- v. Incomplete bids, bids in paper format, conditional bids, telephonic bids or tenders submitted after the due date and time will not be considered and summarily rejected. Vendors are, therefore, advised to submit their bids well on time.
- vi. **The bidder can quote for one or more items mentioned in the list. Bidder has to give all details (HSN, MSME, Make-in-India, make/brand, model, pack size and remark) mentioned in BOQ for all quoted items, failure of that the bid will be rejected summarily.**

## 7. Submission of tenders

The bidders must ensure that they submit the **on-line bids** within the scheduled closing date & time.

## 8. Late Tender:

There is NO PROVISION of uploading late tender beyond stipulated date & time in the e-tendering system.

## 9. Alteration and Withdrawal of Tender

- i. The bidder, after submitting its bid, is permitted to alter/modify its bid, within the deadline for submission of bids. Alterations/modifications to bids received after the prescribed deadline will not be possible on the e-tender portal.
- ii. No tender should be withdrawn or modified after the deadline for submission of tender and before expiry of the tender validity period. If a bidder withdraws or modifies the tender during this period, it will result in the tenderer being suspended from participating in all tenders invited by JIPMER for a period of two years with effect from the date of withdrawal, as per the terms and conditions of bid security declaration furnished by the bidder in its tender.

## 10. Preparation of e-tenders

This is a Two-Bid Tender system, consisting of the **Techno-Commercial Bid and Price Bid** that are to be uploaded in the prescribed formats in the e-tendering portal. The tender(s) shall only be submitted online as mentioned below:

### I. **Techno-commercial Bid shall comprise**

- a. Fee Cover
  - i. **E-tender Processing fee** of Rs.590/- (Rupees five hundred and ninety only) inclusive of 18% GST payment **receipt** duly self-attested and rubber stamped should be uploaded.
  - ii. Scanned copy (100 or 200 DPI) in pdf format of **Bid Security Declaration** as per format attached in Section-IX
- b. In the cover named “Prequal/Technical” the scanned copy in pdf format of the following documents are to be uploaded:
  - i. The **Bidder’s Profile** as in Section-VI, **Tender Form** as in Section-VII must be downloaded duly filled signed and stamped, and an **Authorization letter** for signing tender documents if a person other than the Owner, Partner, Managing Director is signing the documents, must be uploaded as a single PDF file.

- ii. **Copies of Supply orders/Completion certificate** in support of Eligibility condition 1 and 2 and **Copies of abridged Annual report of last 03 years** (Income tax return acknowledgement, Assets and Liabilities, Balance sheet and Profit & Loss Account) must be uploaded as a single PDF file
- iii. **Manufacturer's Authorization letter** in company letterhead in format in given Section-VI and, in case the bidder is empaneled by the Competent Authority under **GFR 144 (xi) (mandatory)** a copy of the same or **GFR 144(xi) compliance certificate** as in Section-X must be uploaded.
- iv. Copy of Self Certified **GST registration certificate** and Copy of **PAN Card** must be uploaded as a single PDF file.
- v. **Bank Details** (Beneficiary name, Bank name, Account number, IFSC code, Branch address on letterhead) and **Check list** as in Section-VIII in the prescribed format duly filled and signed must be uploaded as a single PDF file.
- vi. Self-certification for supporting the claim to be a local supplier under the "Public Procurement preference to Make in India" order in format as in **Appendix-A (mandatory)** and any other document that the bidder wishes to submit as a single PDF file.
- vii. **A file mentioning the list of items without price** for which bidder is quoting must be uploaded as a single PDF file.

## **II. Price Bid:**

Prices are to be quoted in the prescribed Price Bid format provided in the e-tender portal using the BOQ template only. The price should be quoted for the **accounting unit** indicated in the e-tender document.

### **Note:**

- i) The bidder has to be diligent while filling up the Techno-Commercial Bid and Price Bid provided in prescribed formats and must not tamper with the contents of the sheets.
- ii) Bidders must ensure that the documents uploaded in pdf format are legible.
- iii) It is the responsibility of bidder to go through the Tender document to ensure furnishing all required documents in addition to above, if any.
- iv) The Make in India self-certification as in Appendix-A must be given and uploaded by original manufacture. The distributor can upload the Appendix-A given by original manufacture.
- v) ITE- Item-wise Eligibility Sheet should be downloaded, the items that the bidder wishes to quote must be selected as "Eligible", and this "ITE file" must also be uploaded for the price bid to be considered by the system. The selected items will be displayed once uploaded and the bidder can verify that all items he wishes to quote for, are present in the list
- vi) A person signing (manually or digitally) the tender form or any documents forming



part of the contract on behalf of another shall be deemed to warrant that he has authority to bind such other persons and if, on enquiry, it appears that the persons so signing had no authority to do so, the purchaser may, without prejudice to other civil and criminal remedies, cancel the contract and hold the signatory liable for all cost and damages.

- vii) A bid, which does not fulfill any of the above requirements and/ or give evasive information/reply against any such requirement, shall be liable to be ignored.
- viii) Tender sent by fax/telex/cable shall be ignored.

#### **11. Digital Signing of Tender**

The tenderers shall submit their tenders as per the instructions contained as above. Tenders shall be uploaded with all relevant tender documents in the prescribed format. The relevant tender documents should be uploaded by an authorized person having Class 3 digital signature certificate.

#### **12. Tender currencies.**

The tender shall be quoted only in INR.

#### **13. Additional information and instruction on GST:**

If the Tenderer desires to ask for GST or any other taxes to be paid extra, the same must be specifically stated. In the absence of any such stipulation, the price will be taken inclusive of such taxes and no claim for the same will be entertained later. The rate of GST quoted in the tender shall be taken for price comparison. However, the rate of GST quoted in the tender or the actual rate of GST applicable, whichever is lower shall be payable by the purchaser. The supplier can charge a higher GST than quoted in the tender only if the rate of GST was revised by the government after the tender closing date.

#### **14. Bid Security (Earnest Money Deposit)**

- i. In compliance with the OM No. F.9/4/2020-PPD dated 12.11.2020 on the subject —Bid Security/ Earnest Money Deposit<sup>tl</sup>, issued by the Procurement Policy Division, Department of Expenditure, Ministry of Finance, Government of India, there is no need for bidders to pay Bid Security/ Earnest Money Deposit for participating in this tender.
- ii. However, in lieu of Bid Security, the bidder must print this —Bid Security Declaration<sup>l</sup> on his/her firm's letterhead duly sign the undertaking and upload the document in the fee cover.
- iii. The bidder hereby declares that they accept the condition that if they withdraw or modify their bids during period of validity etc., they will be suspended for a period of two years from participating in any tender invited by JIPMER, Puducherry with effect from the date of their withdrawal or modification of their bid.

#### **15. Tender opening**

- i. The Tender Inviting Authority will open the e-tenders at the specified date and time and at the specified place as indicated in the NIT. In case the specified date of tender opening falls on / is subsequently declared a holiday or closed day for the Tender Inviting Authority, the tenders will be opened at the appointed time and

place on the next working day.

- ii. Authorized representatives of the tenderers, who have submitted tenders on time, may attend the tender opening provided they bring with them letters of authority from the corresponding tenderers. The tender opening official(s) will prepare a list of the representatives attending the tender opening. The list will contain the representatives' names & signatures and corresponding tenderers' names and addresses.
- iii. This being a Two-Bid Tender system, the **Techno-Commercial Tenders** are to be opened in the first instance, at the prescribed time and date as indicated in NIT. These Tenders shall be scrutinized and evaluated by the competent committee/ authority with reference to parameters prescribed in the tender document. During the Techno- Commercial Tender opening, the tender opening official(s) will read the salient features of the tenders like brief description of the goods offered, delivery period, bid security declaration and any other special features of the tenders, as deemed fit by the tender opening official(s). Thereafter, in the second stage, the Price bids of only the Techno - Commercially acceptable offers (as decided in the first stage) shall be opened for further scrutiny and evaluation on a date notified after the evaluation of the Techno-Commercial tender.

## **16. Scrutiny and evaluation of tenders**

### **A. Basic Principle**

Tenders will be evaluated on the basis of the terms & conditions already incorporated in the tender enquiry document, based on which tenders have been received and the terms, conditions etc. mentioned by the tenderers in their tenders. No new condition will be brought in while scrutinizing and evaluating the tenders.

### **B. Scrutiny of Tenders**

- i. The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished and, whether the documents uploaded are in legible form.
- ii. The Purchaser's determination of a Tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.
- iii. The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the tender document. The tenders, which do not meet the basic requirements, are liable to be treated as non-responsive and will be summarily ignored.
- iv. The following are some of the important aspects, for which a tender shall be declared non-responsive during the evaluation and will be ignored;
  - i. Tender validity is shorter than the required period.
  - ii. Non-submission of Bid Security Declaration.
  - iii. Non-submission of receipt of tender processing fee.
  - iv. Non-submission of self-certification in format as given in Appendix-A only by original manufacturer, for determining eligibility to participate in the tender under the "Public Procurement preference to Make in India" order.
  - v. Non-submission of GFR-144 (xi) compliance certificate.

- vi. Tenderer has not agreed to give the required performance security of required amount in an acceptable form.
- vii. Non-submission of samples within ten days of the closing of online submission of bids
- viii. Poor/ unsatisfactory past performance.
- ix. Tenderers who stand de-registered/banned/blacklisted by any Central Govt. Ministries/Departments/Hospitals/Institutes.
- x. Tenderer is not eligible as per tender conditions.
- xi. Tenderer has not quoted for the entire quantity as specified in the List of Requirements/ BOQ for the item quoted.
- xii. Non-submission of all details of quoted items (HSN, MSME, Make-in-India, make/brand, model, pack size and remark).
- xiii. Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry, like delivery terms, delivery schedule, terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.

#### **17. Minor Informality/Irregularity/Non-Conformity**

If during the preliminary examination, the purchaser find any minor informality and/or irregularity and/or non-conformity in a tender, the purchaser may waive the same provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the tenders. Wherever necessary, the purchaser will convey its observation on such 'minor' issues to the tenderer by registered/speed post etc. asking the tenderer to respond by a specified date. If the tenderer does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.

#### **18. Award of work**

- i. The selection of the agency will be at the sole discretion of the JIPMER who reserves its right to accept or reject any or all the proposals without assigning any reason thereof.
- ii. The lowest bid will be evaluated on the basis of annual estimated amount as quoted by bidders in the quotation including taxes.
- iii. Upon evaluation of offers the decision on the award of contract will be intimated to the successful bidder.
- iv. The annual estimate is given only as an indication. The actual quantity procured may increase or decrease. No assurance is given that the quantity stated will actually be procured.

## Section-IV

### GENERAL CONDITIONS OF CONTRACT

#### 1. **Price of goods**

The rate quoted in the e-tender will be fixed for the whole contract period.

#### 2. **Technical Specifications and Standards**

The Goods & Services to be provided by the supplier under this contract shall conform to the technical specifications mentioned in “Technical Specification” under Section II.

#### 3. **Terms of Delivery**

- i. Goods shall be delivered by the supplier within 30 days of issue of supply order. Please note that the time shall be the essence of the contract.
- ii. Any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:
  - a) Imposition of liquidated damages,
  - b) Forfeiture of its performance security and
  - c) Termination of the contract for default.

#### 4. **Liquidated Damages**

If the supplier fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, the Purchaser/Consignee shall, without prejudice to other rights and remedies available to the Purchaser/Consignee under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of goods, installation, commissioning and/or services until actual delivery or performance subject to a maximum of 10% of the contract price. Once the maximum is reached Purchaser/Consignee may consider termination of the contract as per GCC 11. Since the Liquidated damages are in virtue of non-performance of services, it will attract GST or any other applicable taxes which in turn shall be deducted from the bidder.

#### 5. **Performance Security**

The successful bidder shall have to deposit an amount 3% of the value of contract as Performance Security Deposit (PSD) within two weeks after award of contract, through SBI Collect available on JIPMER website. In the event of any failure /default of the supplier with or without any quantifiable loss to the purchaser, the amount of the performance security is liable to be forfeited.

Subject to the condition mentioned above the Performance Security will be released without any interest to the supplier on completion of the supplier's all contractual obligations

including the warranty obligations and extension of time (with or without Liquidated Damages).

#### **6. Payment Procedure**

The contractor shall submit bill in triplicate upon satisfactory supply of goods. Bill must be raised based on the rate quoted in e-tender. Every effort shall be made to ensure that the payment will be made within 45 days of submission of bill. No advance payment will be considered. TDS will be deducted as per provision of Income Tax Act, GST Acts and other statutes as relevant.

#### **7. Risk Clause**

The contractor shall at all times have standby arrangements for carrying out the work under the contract, in case of any failure of the existing arrangements. JIPMER reserves the right for termination of the contract at any time by giving 30 days written notice, if the items delivered are found to be unsatisfactory and also has the right to award the contract to the next higher bidder willing to supply the item at the cost, risk and responsibilities of contractor and excess expenditure incurred on account of this will be recovered by JIPMER from the contractor's Performance Security Deposit or pending bills or by raising a separate claim.

#### **8. Termination clause:**

During the period of agreement if it is found that the agency is not providing proper services, the JIPMER reserves rights to make the vendor forfeit the security deposit deposited with JIPMER or part thereof in favour of JIPMER and agreement will be terminated after giving 30 days' notice. Furthermore, in such situations, tender can be allotted to second lowest bidder and the difference in cost shall be recovered from the earlier vendor who is breach of the contract. In addition in case it is found that the supplier is charging by fraudulent means or indulging in criminal activities the contract will be terminated immediately.

#### **9. Jurisdiction of the courts**

Jurisdiction of the courts for settlement of disputes:- Jurisdiction for the settlements of disputes if any is Puducherry only.

In above mentioned conditions Director JIPMER reserves all the rights.

**Section-V**

**BIDDER'S PROFILE**

**This form duly filled and signed by authorized representative of the bidder and the scanned copy must be uploaded online**

1.	Name & Designation of the contact person	
2.	Name and Address of the Tenderer	
3.	Phone No a) Land line number (functional between 9 am and 5pm)	
4.	Mobile No of contact person (available from 9am to 6pm)	
5.	Email ID of the Tenderer	
6.	Email ID of the contact person	
7.	Local supplier/Distributor in Chennai/ Puducherry or any other place (complete address must be written)	
8.	Manufacture Name	
9.	Manufacture Address	
10	Whether Tenderer is registered MSE Manufacture the product quoted. (If registered MSE, submit copy of the Udyog Aadhaar certificate or Equivalent Certificate)	Yes / No
<p>If there is any change in the above details, I will immediately intimate you by speed post or fax or email</p> <p>I.....hereby declare that the details given above are true to the best of my knowledge and I have thoroughly read and understood the terms and conditions of the tender and shall abide by the rules,</p> <p style="text-align: right;">Signature (Name and Designation &amp; Seal)</p> <p>Dated:</p>		

**NB: This form must be duly filled in by an authorized person**

**Section-VI**  
**MANUFACTURER'S AUTHORISATION FORM**  
**(Letterhead)**

The Director,  
JIPMER, Puducherry

Dear Sir,

Ref: Your TE document No: \_\_\_\_\_ dated: \_\_\_\_\_

We, \_\_\_\_\_ who are proven and reputable manufacturers of \_\_\_\_\_ (name and description of the goods offered in the Tender) having factories at \_\_\_\_\_, hereby authorize Messrs. \_\_\_\_\_ (name and address of the agent) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also state that we are not participating directly in this tender for the following reason(s):  
\_\_\_\_\_. (Please provide reason here).

We further confirm that no supplier or firm or individual other than Messrs \_\_\_\_\_ (name and address of the above agent) is authorised to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us. We also hereby extend our full warranty, CMC/AMC as applicable as per the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document. We also hereby confirm that we would be responsible for the satisfactory execution of contract placed on the authorised agent.

We also confirm that the price quoted by our agent shall not exceed the price which we would have quoted directly”

Yours faithfully,  
[Signature with date, name, designation and Email]  
for and on behalf of Messrs \_\_\_\_\_  
[Name & address of the manufacturers]

Note:

- (1) This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.
- (2) Original letter may be sent.
- (3) The purchaser reserves the right to verify this document with its signatory.

**SECTION-VII**  
**TENDER FORM**  
**(On Firms' Letter Head)**

To  
The Director  
JIPMER, Puducherry 605006

Date \_\_\_\_\_

Ref. Your TE document No. \_\_\_\_\_ dated \_\_\_\_\_

We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. \_\_\_\_\_, dated \_\_\_\_\_ (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver \_\_\_\_\_ (Description of goods and services) in conformity with your above referred document **for the sum as shown in the price schedules attached herewith and made part of this tender**. If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC, Special Conditions of Contract", for due performance of the contract.

We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and we certify that this bidder is not from such a country/ from such a country and has been registered with the Competent Authority and a copy of the valid registration by the Competent Authority is attached as evidence of the same (Strike out what is not applicable). In case there are Turnkey works to be carried out this bidder will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. We hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.

We agree to keep our tender valid for acceptance as required in the GIT, Special Instructions to Tenderers" or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities in the last 7 years.

We confirm that we fully agree to the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum if any.

(Signature with date)  
(Name and designation)

Duly authorized to sign tender for and on behalf of



**Section-VIII**

**CHECK LIST FOR SUBMISSION OF TENDER**

(To be filled by the tenderer and submitted along with the bid)

Sl. No.	Particular	Yes / No
1	i. Tender Processing Fee (Mandatory for all bidders) ii. Bid security declaration	
2	Copies of Supply orders/Completion certificate in support of Eligibility condition 2(ii).	
3	Copy of PAN Card	
4	Copy of ISO Certification of bidder, ISI/CE Certification of each product wherever asked	
5	Copies of last three years Income Tax Return statement with Balance sheets & Profit & Loss A/c i.e. 2017-18, 2018-19, 2019-20.	
6	Copy of GST Registration Certificate	
7	Authorization letter for signing tender documents if a person other than the Owner, Partner, Managing Director is signing/uploading the tender	
8	Tender form as in Section – VII duly signed and stamped	
9	Manufacturer's authorization form in format as in Section VI and	
10	Self-certification for supporting the claim to be a local supplier under the "Public Procurement preference to Make in India" order in format as in Appendix A	
11	A copy bidder's empanelment by the Competent Authority under GFR 144 (xi) or GFR 144 (xi) compliance certificate	
12	A PDF file containing list of all items quoted by the bidder without price bid in technical cover	
13	All details of the items (HSN, MSME, Make-in-India, make/brand, model, pack size and remark) quoted by the bidder.	
14	Any other document(s) enclosed (To be specified)	

I/We certify that the information furnished above is true and correct. The terms and conditions are acceptable to us and have the authority to bid a tender.

Signature of the owner/  
Managing Partner/Director

Name:

Seal:

Date:

Place:

**SECTION – IX**

**Bid Security Declaration  
(To printed on the Firm's letterhead)**

(In compliance with the OM No. F.9/4/2020-PPD dated 12.11.2020 on the subject —Bid Security/ Earnest Money Deposit, issued by the Procurement Policy Division, Department of Expenditure, Ministry of Finance, Government of India, there is no need for bidders to pay Bid Security/ Earnest Money Deposit for participating in this tender. However, in lieu of Bid Security, the bidder must print this —Bid Security Declaration on his/her firm's letterhead duly sign the undertaking and upload the document in the fee cover.)

I/We hereby declare that we accept the condition that if I/We withdraw or modify our bids during period of validity etc., we will be suspended for a period of two years from participating in all tenders invited by JIPMER, Puducherry with effect from the date of our withdrawal or modification of our bid.

(Signature with date)

(Name and designation)

Duly authorized to sign this tender and declaration

for and on behalf of \_\_\_\_\_ (Name of the Bidder's Firm) Seal

## **Appendix-A**

### **Self-certification format for claiming purchase preference under the “Public Procurement preference to Make in India” order**

As per the order issued by

(i) Department of Industrial Policy and Promotion (DIPP) vide No. P-45021/2/2017-BE-II dated 15.06.2017 as further amended by Order No.P-45021/2/2017-B.E.-II dated 28.05.2018, Order No.P-45021/2/2017-B.E.-II dated 29.05.2019, Order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020 and Order No. P-45021/2/2017-PP (BE-II) dated 16.09.2020; and

(ii) Department of Pharmaceuticals vide No. F- 31026/36/2016-MD dated 18.05.2018 and the subsequent orders thereof; The purchaser reserves the right to give preference to the local supplier.

A local supplier (definition of “local supplier” is given in clause 2 of the aforesaid order of DIPP as amended from time to time) has to submit the following along with their e-tender(s) failing which their bid will be evaluated without considering such preference mentioned in the DIPP order dated 15.06.2017 further amended on 28.05.2018, 25.09.2019 and 04.06.2020:

a. The local supplier at the time of e-tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made in the format in Annexure A.

“Certified that the following items quoted has more than 50% or 20% to 50% of value addition in India at the location(s) mentioned against each and is eligible for purchase preference as per the Govt. of India “Public Procurement preference to Make in India” order Dt.15.06.2017 as further amended by Order No.P-45021/2/2017-B.E.-II dated 28.05.2018, Order No.P-45021/2/2017-B.E.-II dated 29.05.2019, and Order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020.

<b>Sl. No</b>	<b>Name of the item</b>	<b>Details of the location(s) at which the local value addition was made.</b>

Authorized Signature:

Name:

Designation:

b. In cases of procurement for a value in excess of Rs. 10 Crore. the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

c. Minimum Local Content: ‘Class-I local supplier’ means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%, as defined

under the Order. “Class-II local supplier” means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this Order.

d. Margin of Purchase Preference: The margin of purchase preference shall be 20%.

e. Manufacture under license/technology collaboration agreements with phased indigenization are exempted from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement/transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content

f. Decisions on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating the procuring entity.

g. A constituted committee with internal and external experts will examine for independent verification of self-declarations and auditor’s/accountant’s certificates on random basis and in the case of complaints.

h. A fees of Rs.10000/- in the form of demand draft favoring The Director, JIPMER, payable at Puducherry, is required to be deposited with complaints for verification of local content.

i. False declarations will be breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

j. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities.

Officer in Charge  
Purchase Section  
JIPMER Puducherry  
For Director, JIPMER

**SECTION – X**

**GFR-144 (xi) compliance certificate  
(To printed on the Firm's letterhead)**

Tender No:

**GFR-144(xi) compliance certificate** (as per order F.No. 6/18/2019-PPD, Ministry of Finance, GOI)

I have read the clauses regarding restrictions under GFR144(xi) on procurement from a bidder of a country which shares a land border with India. I certify that ....., the vendor

- is not such a country
- is from a country and has been registered with a competent authority (attached evidence of valid registration).

(Select one of the above and strike off the other)

I hereby certify that we fulfill all requirement in this regard and is eligible to be considered for the procurement on CPP portal.

Thanking you.

Authorized Signatory