

Notice Inviting e-Tender

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SUPPLY AND COMMISSIONING OF MEDICAL EQUIPMENT (SET-I) FOR TRAUMA CARE FACILITY
FOR THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVT. OF WEST BENGAL

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL /NIT-01/2019

Dated –02.01.2019

The following amendments have been made in the tender document. The changes are highlighted in yellow in the document below,

Amendment – I

Revised Technical Specification (For all items)

Item No.1

Recovery Trolley

1. Overall Size: 1905 mm L x 710 mm W X 660 mm to 910 mm H
2. Stretcher dimension approx: 1830 mm L X 555 mm W
3. Two section top. Height adjusted by foot operated maintenance free hydraulic pump
4. Height adjustment shall be obtained by hydraulically operated mono block type linear actuator pump foot operated actuation having stroke of 140 +/- 5 mm, push force 10KN at 270 bar, number of complete pumpstroke 22 to 24 for full stroke length
5. X-ray permeable removable stretcher, in two section
6. Backrest raised on ratchet
7. Quick trendelenburg as well as reverse trendelenburg positions shall be provided with easily accessible operating handle provided with two gas springs for easy action
8. S.S. saline rod with 12 mm dia S.S. rod shall telescope in SS socket tube approx 15.8 mm dia X 18G welded on angular base bracket of 14G SS sheet. Nylon bracket provided to prevent colour damage it could be placed at four different locations

9. Complete with sliding X-ray cassette holder, storage tray. Trolley shall be mounted on 125 mm dia non-rusting castor wheels two with breaks and two without
10. Castor made from high grade non floor-staining synthetic materials with integrated thread guards. Wheel centre having precision ball bearing to run smoothly
11. Complete with corner buffers, one on each corner synthetic rubber covered handles
12. Oxygen cylinder cage
13. Should have patient safety belt facility.
14. It shall have a pair of Stainless steel tuck down type railings made of 19 mm dia X 18G tube fitted with M.S. brackets
15. Effective railing height above main frame is approx. 235 mm & length of the railing is 1175 mm
16. Finishing & workmanship of the medical furniture is of prime importance and must be of high standard. All corners shall be rounded off so that there shall be no sharp corners
17. M.S. tubular parts, linkages, flats are to be In-house, pretreated, shot blasted and Epoxy powder coated as per ISI standards, 50 to 60 microns
18. All process parameters to be as per documented IMS producers for Quality Assurance (ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 & ISO 13485:2003 Quality Management
19. Accessories: Rexine covered 25 mm thick rubber mattress

Item No.2

General Orthopaedics instruments & implant

General Requirement:

All Orthopaedic implant and equipment should have EN ISO 13485 / CE / US FDA

All implant should have Drug License and embossing of companies name.

All consumable implants should be at least 316 L / 316 LVM grade SS.

Item No.2a

Item	Quantity
Basic Instrumentations set	
Surgical blade (10,11,15,20)	100 each
BB handle (No. 3 & No 4)	10 each

Item No.2b

Item	Quantity
Different Instrumentations set	

Skin hook retractor (All sizes)	10 each
Langenbeck retractor (All sizes)	Set of 2 each
Hohmann retractor (All sizes)	Set of 2 each
Periosteum elevator (All sizes)	Set of 6 each
Lowmans clamp (All sizes)	Set of 6 each
Bone holding forceps, self retaining (All sizes)	Set of 6 each
Plate holding forceps, self retaining (All sizes)	Set of 2 each
Patella holding clamp	Set of 2 each
Towel clamps (All sizes)	Set of 2 each
Artery forceps (All sizes)	(curved & straight) / 24 x Set of 2 each
Mosquito forceps (All sizes)	(curved & straight) / 12 x Set of 2 each
Allis tissue holding forceps (All sizes)	24 x Set of 2 each
Swab holding forceps	24
Kocher's forceps (Curved & straight)	12 x Set of 2 each
Bone hook (All sizes)	Set of 4 each
SS wire passer	Set of 4 each
Bone nibbler (All sizes)	6 x Set of 2 each
Parrot beak bone nibbler (All sizes)	6 x Set of 2 each
Curved osteotome (All sizes)	6 x Set of 2 each
Straight osteotome (All sizes)	6 x Set of 2 each
Orthopaedic surgical Hammer (All sizes)	6 x Set of 2 each
Bone gouge (All sizes)	6 x Set of 2 each
Bone cutting forceps (All sizes)	6 x Set of 2 each
Plier cum wire cutter	6 x Set of 2 each
SS wire cutter	6 x Set of 2 each
K wire cutter	Set of 6 each
Nose piler	Set of 6 each
Gigli saw with handle	10
Hand drill	6
Oscilating plaster cutting saw with blades	4 pieces

Item No.2b1

Item	Quantity
Femoral Nails (S.S) and Instrument set	
Femoral interlocking nail	
9 mm Dia, 34-38 cm length with 2 mm variation	10 pieces each
9 mm Dia, 32 & 40 cm length with 2 mm variation	03 pieces each
10 mm Dia, 34-38 cm length with 2 mm variation	10 pieces each
10 mm Dia, 32 & 40 cm length with 2 mm variation	03 pieces each
11 mm Dia, 34-38 cm length with 2 mm variation	10 pieces each
11 mm Dia, 32 & 40 cm length with 2 mm variation	03 pieces each
Jig for femoral interlocking nail complete set (With triple trocker)	Set of 2 each
Exchange tube	2
AWL Curved and straight	4
Guide wire for interlocking nail (Simple and olive tipped)	Set of 4 each
Tissue protector	2

a) Cannulated b) Flat	
Reamer Cannulated (8,9,10,11,12)	4 pieces each
Conical Bolt	4
Tomy Bar	2
Spanner	4
Guide wire Holder	4
Drill sleeve with Protection sleeve	4
Drill Bit (10 inch Length, Dia 3 mm & 4 mm)	4 pieces each
Trockar	4 pieces each
Proximal Reamer	4 pieces each
Corresponding Nail Cap	140
Corresponding Locking Bolts: All sizes (26-56 mm)	10 sets
Steinman Pin : 4 mm	10

Item No.2b2

Tibial Nails (S.S) and Instrument set	
Tibial interlocking nail (All sizes) reamed & undreamed	
8 mm Dia, 30-34 cm length with 2 mm variation	10 pieces each
8 mm Dia, 28 & 36 cm length with 2 mm variation	04 pieces each
9 mm Dia, 30-34 cm length with 2 mm variation	10 pieces each
9 mm Dia, 28 & 36 cm length with 2 mm variation	04 pieces each
10 mm Dia, 30-34 cm length with 2 mm variation	10 pieces each
10 mm Dia, 28 & 36 cm length with 2 mm variation	10 pieces each
Jig for Tibial interlickoing nail	02 pieces each
Conical Bolt	4
Tomy Bar	2
Spanner	4
Guide wire Holder	4
Drill sleeve with Protection sleeve	4
Drill Bit (10 inch Length, Dia 3 mm & 4 mm)	4 pieces each
Trocar	4 pieces each
Corresponding Nail Cap	140
Corresponding Locking Bolts: All sizes (26-56 mm)	10 sets
Steinman Pin : 4 mm	10

Item No.2b3

Item	Quantity
Recon Plate for 3.5 mm screws	
6 holes to 10 holes	15 pieces each
11 holes and 12 holes	05 pieces each
Recon Plate for 4.5 mm screws	
6 holes to 10 holes	15 pieces each
11 holes and 12 holes	05 pieces each

Item No.2b4

Item	Quantity
LC- DCP Plate	
Small-6 holes to 10 holes	20 pieces each
Narrow-6 holes to 10 holes	20 pieces each
Broad-06 holes to 12 holes	20 pieces each

Item No.2b5

Item	Quantity
Locking LC- DCP Plate	
Small-6 holes to 10 holes	20 pieces each
Narrow-6 holes to 10 holes	20 pieces each
Broad-06 holes to 12 holes	20 pieces each

Item No.2b6

Item	Quantity
DCP Plate	
Small-6 holes to 10 holes	20 pieces each
Narrow-06 holes to 10 holes	20 pieces each
Broad-06 holes to 12 holes	20 pieces each

Item No.2b7

Item	Quantity
Locking DCP Plate	
Small-6 holes to 10 holes	20 pieces each
Narrow-06 holes to 10 holes	20 pieces each
Broad-06 holes to 12 holes	20 pieces each
14 hole Broad	10 pieces
16 hole Broad	10 pieces

Item No.2b8

Item	Quantity
Cortical Screw (SS) self tapping	
3.5 mm Dia, 12-40 cm length with 2 mm variation	100 pieces each
4.5 mm Dia, 14-60 cm length with 2 mm variation	100 pieces each

Item No.2b9

Item	Quantity
Locking Cortical Screw (SS)	
3.5 mm Dia, 12-40 cm length with 2 mm variation	100 pieces each

5 mm Dia, 14-60 cm length with 2 mm variation	100 pieces each
2.7 mm Dia, 14-60 cm length with 2 mm variation	100 pieces each

Item No.2b10

Item	Quantity
Cancellous Screws (SS)	
6.5 mm Dia, 30-70 mm length with 5 mm variation	50 pieces each
6.5 mm Dia, 70-90 mm length with 5 mm variation	10 pieces each
6.5 mm Dia, 100-105 mm length with 5 mm variation	10 pieces each
4.0 mm Dia: 16 mm threaded 16-30 mm length with 2 mm variation	20 pieces each
4.0 mm Dia: 16 mm threaded, 35-60 cm length with 5 mm variation	10 pieces each
4.0 mm Dia: full threaded 16-30 mm length with 2 mm variation	20 pieces each
4.0 mm Dia: full threaded, 35-60 mm length with 5 mm variation	10 pieces each

Item No.2b11

Item	Quantity
Locking Cancellous Screws (SS)	
5 mm Dia, 30-90 mm length with 5 mm variation (Short threaded & Full threaded)	50 pieces each
5 mm Dia, 100-105 mm length with 5 mm variation (Short threaded & Full threaded)	10 pieces each
4.0 mm Dia: 16 mm threaded (Short threaded & Full threaded) 16-30 mm length with 2 mm variation	20 pieces each
4.0 mm Dia: 16 mm threaded, 35-60 cm length with 5 mm variation (Short threaded & Full threaded)	10 pieces each
4.0 mm Dia: full threaded 16-30 mm length with 2 mm variation (Short threaded & Full threaded)	20 pieces each
4.0 mm Dia: full threaded, 35-60 mm length with 5 mm variation (Short threaded & Full threaded)	10 pieces each

Item No.2b12

Item	Quantity
Cannulated Cancellous Screws (SS)	
7.0 mm Dia, 70-95 mm length with 5 mm variation (Half threaded) – 16 & 32 mm	50 pieces each
7.0 mm Dia, 70-95 mm length with 5 mm variation (Full threaded)	10 pieces each
7.0 mm Dia, 100 & 105 mm length	10 pieces each

Item No.2b13

Item	Quantity
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Specific Locking plate	
Locking proximal humerus plate : 3-4 hole	20 each
Locking proximal humerus plate : 5-8 hole	10 each
Distal humerus locking plate: 3-6 hole (Medial & Lateral and Right & Left)	20 each
Distal Femur locking plate: 5-13 hole (Right & Left)	20 each
Distal Tibia locking plate: 4-12 hole (Right & Left)	20 each
Proximal Tibia locking plate: 5-11 hole (Right & Left)	20 each

Item No.2c

Item	Quantity
Suture materials (All types) required for orthopaedic surgery All types means: 1. Vicryl (0,00,1,2) 2. Silk (0,00,000) 3. Nylon (0,00,1) 4. Ethibond (1,2,5) 5. Catgut (0,00,1) 0 & 00 sutures should have round body needle & cutting needle (half circle). Sutures with 1 and above size all should have cutting needle.	Box of 100 each

Item No.3

Electric Drill with power saw

Sl. No.	Item Description	Quantity
1.	Driving unit includes Stand, Base, Motor, Foot Control, Flexible shaft, Tool Kit, Oil	Set of 6
2.	Cannulated Drill Hand piece, with Jacob's Chunk and Key (1200 RPM)	Set of 6
3.	Pistol Grip Sagital Saw Hand piece with set of 5 blades	Set of 6
4.	Reaming hand piece Cannulated (400RPM)	Set of 4
5.	Flexible Reamer Shaft 8mm Fixed head	Set of 4
6.	Flexible Reamer Shaft for detachable heads up to 12mm	Set of 4
7.	Reamer head from 8.5mm to 12mm (set of 8)	Set of 4
8.	Oscilating Bone Saw for Power drill	Set of 6
9.	Should be CE approved / US FDA	

Item No.4

Pneumatic tourniquet

Sl. No.	Item Description
1.	5 cuffs-double cuff 80 X 15 cm, double cuff 57 X 15 cm, single cuff 80 X 9 cm, single cuff 52 X 7 cm, single child cuff 40 X 7 cm. - Set of 2 each
2.	2 channels for 2 double cuff or 2 single cuffs
3.	Max pressure 450 mm Hg.
4.	Time range Atleast 180 min
5.	Auto battery power conversion in the case of sudden AC Power failure
6.	Should be CE approved / US FDA

Item No.5
Physiotherapy Equipments
(Equipment for Acute Rehabilitation Care)

Item No.5a

1. Rigid Spine Board
2. Hard Cervical Collar
3. Philadelphia Collar
4. Occipital Pad
5. Occipital Recess
6. Air Mattress
7. Water Bed
8. Cushion for positioning
9. Foot Board
10. Comprehension stocking
11. Transfer Board
12. Trapezoid bar
13. Thera Band
14. Gym ball
15. Wobble Board

Item No.5b

16. Standing Frame
17. Walker
18. Rollater
19. Axillary Crutches
20. Elbow crutches
21. Manual Folding wheelchair
22. Parallel Bar with Mirror

Item No.5c

23. Continuous Passive Motion
 - a. Upper Limb
 - b. Lower Limb
24. Infrared lamp
25. Ultrasound Therapy-3 MHz with programming
26. Shortwave Diathermy-500 W
27. Trans - Electrical Nerve Stimulation(TENS)
 - a. High TENS
 - b. Low TENS
28. Nerve Stimulator
 - a. Faradic
 - b. Galvanic
 - c. Diagonstic
29. Wax Bath Unit (Large)

Item No.5d

30. Occpational Therapy equipment

1. Arm Ergometer
2. Bilateral Sanding Unit.
3. Wooden Peg Board.
4. Hand Gym Exerciser
5. Dexterity Board.

Item No.5e

31. ORTHOSIS

1. Static hand orthosis
2. Finger Gutter splint
3. Thumb Spica
4. Fore-arm guard.
5. Arm pouch.
6. Chest arm bandage/sling
7. Figure of 8 harness.

8. Bobath cuff.
9. Chest binder.
10. TLSO
11. L S Corset.
12. AFO – Solid ankle prlyporpline

Item No.5f

32. Motorized wheelchair

Item No.5g

33. Tilt table Manual and Motorized

Item No.5h

34. Automatic Balance Master

Item No.6

Spinal Surgical Instrument

Laminectomy Set:

1. Beckmann Adson Laminectomy Retractor Lg. – Set of 4 each (US FDA & CE)
2. Cushing Disc Rongeur Serrated St. Up. & Dn. 2 / 3 mm Bite – Set of 3 each (US FDA & CE)
3. Karrison Punch Up Cut 45 Deg. (1 mm, 2 mm, 3 mm, 4 mm, 5 mm Bite X 7" Lg.) – Set of 2 each (US FDA & CE)
4. Hemi Laminectomy Retractor with Blade and Hook – set of 2 each
5. Echlin Angular Duckbill Rongeurs Compound Action Side Curved Lg. – set of 2
6. O – Connel Nerve Root Retractor cum Dissector – Set of 2 each (US FDA & CE)
7. Stille – Luer Bone Rongeurs Compound Actn. Large St. & Cvd. – Set of 2 each (US FDA & CE)
8. Fenested Disc Rongeur St. – 2 (US FDA & CE)
9. STILLE – LISTON Bone Cutter Compound Action – 2
10. Bruns Spinal Curate (Different Size) – 2 set

11. Ramani Retractor System with 4 nos. Detachable Blades and 2 Nos. Hooks – 2 sets (US FDA & CE)
12. Hibbs Osteotomes Straight Various Width – set of 2
13. Hibbs Chisel Straight Various Width – set of 2
14. Watson Cheyne Dissector – 2 sets
15. Adson Cerebellar Retractor – set of 4 (US FDA & CE)
16. Dandy artery forceps – 30
17. Crutchfield Tongs – 4
18. Cloward cervical set for disectomy and corpectomy – 1 set (US FDA & CE)

Item No.7

Craniotomy Set:

1. Hudson Brace (SNAP LOCK Arrngnt.) with 3 Nos. Burrs, 3 Nos. Perforators and Exten. Piece – set of 3 (2 sets for adult and 1 set for child)
2. Raney's Clip Applicator – 4
3. Raney's Clip – 1000
4. Malleable Brain Retractor 6 mm, 12 mm, 20 mm, 25 mm X 225 mm Lg. – set of 3 each
5. Bayonet Type Dissecting Forceps Tooth & Non-Tooth – 2 each of standard size (US FDA & CE)
6. Gigli Saw Special Type – 20
7. Gigli Saw – Dura Guide – 4
8. Gigli Saw Handle – 8
9. Periostiom Elevator St. & Cvd. – set of 2 each
10. Sucker Canula (1 mm, 2 mm, 3 mm, 4 mm, 5 mm dia) – 3 sets each
11. Penfield Dissector : No. 1, No. 2, No. 3, No. 4 – 3 sets each (US FDA & CE)
12. Mastoid Retractor – 4 sets of different size (US FDA & CE)
13. Tumor Holding Forceps Plain & Tooth (small, medium, large) – 2 each (US FDA & CE)
14. Micro Sharp Hook & Blunt Hook – 2 each
15. Dandy Haemostatic Skull Forceps Fine Tip Side Curved – set of 30
16. Adson Dura Forceps Tooth & Non-Tooth – 2 each
17. Venticular Puncture Needle Graduated – 5
18. Micro Scissors Yasargil type Bayonet Handle – 5 (US FDA & CE)
19. Micro Needle Holder with Catch – 5 (US FDA & CE)
20. V.P. Shunt Tunneler ADULT & CHILD – 4 (US FDA & CE)
21. LYALA Self-Retaining Flexible Arm Retractor – 2 (US FDA)
22. "Y" Clamp for holding – LYALA Self-Retaining Flexible Retractor – 2 (US FDA)
23. Dura Cutting Scissors – 4 (US FDA)

24. Ruskin Boe Rongeurs Compound Action – 4
25. Rotton Groove Dissector – 4
26. Gardner Traction Tong – 4

Item No.8

Skin grafting handle

1. Watson's modification of Humby's Knife
2. Fixed roller
3. Thumb nut with adjustable thickness
4. CE/FDA certified
5. Wooden spreader- 4 such each with handle

Item No.9

General Plastic surgery Instrument

1. Adson's forceps – toothed
– non toothed
2. Fine blunt tipped dissecting scissor – 5"
3. Sharp double skin hook
4. Sharp single skin hook
5. Blunt double skin hook
6. Blunt single skin hook
7. Cats paw retractor (small)

Item No.10

Hand Table

Hand table with adjustable height

Item No.11

Mesh Dermatome

1. Platform – 70-80 cm
2. Meshing 1:2
3. Roller
4. Detachable handle with front & reverse gear

Item No.12

IFT machine

1	Should have 4-Pole interferential therapy facility
2	Should have 4-Pole vector therapy facility
3	Should have 2-Pole bipolar Interferential therapy facility
4	Should have the choice of medium frequencies 4 KHz and 2 KHz
5	Base frequency should be 0 to 150 Hz
6	Sweep frequency should be 0 to 100 Hz
7	Should have the following sweep programs
8	a. Square 1/1 Sec
9	b. Trapezoidal: 1/5 Sec
10	c. Triangular: 6/6 Sec
11	Should have 0-99 minutes presettable timer with alarm
12	Intensity control should be 0-90 mA continuously variable.
13	Should have intensity balance to equalize 2 Channels.
14	Output type should be 100% Isolated
15	Should have LCD/Digital display
16	Input supply to be 230 V AC, 50Hz fitted with Indian plug
17	Standards, Safety and Training
18	Should have the ISO certification
19	The quoted model should have CE or ISO or BIS certificate and copy of the same should be enclosed along with the technical bid.
10	Documentation
21	User/Technical/Maintenance manual to be supplied in English

Item No.13

Splint and traction

1. Cervical Traction Set
 - i. Belt for traction - Set of 06 each
 - ii. Traction Cord (1.5 metre) - Set of 06 each
 - iii. Pulley - Set of 06 each

- iv. Weight (2.5 lb) - Set of 12 each
- 2. Lumber Traction Set
 - i. Belt for traction - Set of 06 each
 - ii. Traction Cord (3 metre) - Set of 06 each
 - iii. Pulley - Set of 12 each
 - iv. Weight (2.5 lb) - Set of 12 each
(5 lb) - Set of 12 each
- 3. Spad (Skin) Traction Set
 - i. Above Knee traction Belt - Set of 06 each
 - ii. Below Knee traction Belt - Set of 06 each
 - iii. Spreader (Metal) - Set of 12 each
 - iv. Traction Cord (3 metre) - Set of 06 each
 - v. Bed end pulley - Set of 12 each
 - vi. Weight (2.5 lb) - Set of 12 each
(5 lb) - Set of 12 each
- 5. Splint:
 - i. Thomas Bed Knee Splint
 - Adult-Set of 25 each
 - Child- Set of 25 each
 - ii. Bouler Braun Splint
 - Adult-Set of 25 each
 - Child- Set of 10 each

Form: 8(a)

Format for General Orthopaedics instruments & implant

Item No 2a: Basic Instrumentations set		
Item	Quantity	Total Cost including applicable taxes in INR
Surgical blade (10,11,15,20)	100 each	
BB handle (No. 3 & No 4)	10 each	
Total (to be fed in the designated cell of the BOQ)	-	

Item No 2b. Different Instrumentations set		
Item	Quantity	Total Cost including applicable taxes in INR
Skin hook retractor (All sizes)	10 each	
Langenbeck retractor (All sizes)	Set of 2 each	
Hohmann retractor (All sizes)	Set of 2 each	
Periosteum elevator (All sizes)	Set of 6 each	
Lowmans clamp (All sizes)	Set of 6 each	
Bone holding forceps, self	Set of 6 each	

retaining (All sizes)		
Plate holding forceps, self retaining (All sizes)	Set of 2 each	
Patella holding clamp	Set of 2 each	
Towel clamps (All sizes)	Set of 2 each	
Artery forceps (All sizes)	(curved & straight) / 24 x Set of 2 each	
Mosquito forceps (All sizes)	(curved & straight) / 12 x Set of 2 each	
Allis tissue holding forceps (All sizes)	24 x Set of 2 each	
Swab holding forceps	24	
Kocher's forceps (Curved & straight)	12 x Set of 2 each	
Bone hook (All sizes)	Set of 4 each	
SS wire passer	Set of 4 each	
Bone nibbler (All sizes)	6 x Set of 2 each	
Parrot beak bone nibbler (All sizes)	6 x Set of 2 each	
Curved osteotome (All sizes)	6 x Set of 2 each	
Straight osteotome (All sizes)	6 x Set of 2 each	
Orthopaedic surgical Hammer (All sizes)	6 x Set of 2 each	
Bone gouch (All sizes)	6 x Set of 2 each	
Bone cutting forceps (All sizes)	6 x Set of 2 each	
Plier cum wire cutter	6 x Set of 2 each	
SS wire cutter	6 x Set of 2 each	
K wire cutter	Set of 6 each	
Nose piler	Set of 6 each	
Gigli saw with handle	10	
Hand drill	6	
Oscilating plaster cutting saw with blades	4 pieces	
Total (to be fed in the designated cell of the BOQ)	-	

Item No. 2b1		
Item	Quantity	Total Cost including applicable taxes in INR
Femoral Nails (S.S) and Instrument set		
9 mm Dia, 34-38 cm length with 2 mm variation	10 pieces each	
9 mm Dia, 32 & 40 cm length with 2 mm variation	03 pieces each	
10 mm Dia, 34-38 cm length with 2 mm variation	10 pieces each	
10 mm Dia, 32 & 40 cm length with 2 mm variation	03 pieces each	

11 mm Dia, 34-38 cm length with 2 mm variation	10 pieces each	
11 mm Dia, 32 & 40 cm length with 2 mm variation	03 pieces each	
Jig for femoral interlocking nail complete set (With triple trocker)	Set of 2 each	
Exchange tube	2	
AWL Curved and straight	4	
Guide wire for interlocking nail (Simple and olive tipped)	Set of 4 each	
Tissue protector a) Cannulated b) Flat	2	
Reamer Cannulated (8,9,10,11,12)	4 pieces each	
Conical Bolt	4	
Tomy Bar	2	
Spanner	4	
Guide wire Holder	4	
Drill sleeve with Protection sleeve	4	
Drill Bit (10 inch Length, Dia 3 mm & 4 mm)	4 pieces each	
Trockar	4 pieces each	
Proximal Reamer	4 pieces each	
Corresponding Nail Cap	140	
Corresponding Locking Bolts: All sizes (26-56 mm)	10 sets	
Steinman Pin : 4 mm	10	
Total (to be fed in the designated cell of the BOQ)	-	

Item No 2b2		
Item	Quantity	Total Cost including applicable taxes in INR
Tibial Nails (S.S) and Instrument set		
Tibial interlocking nail (All sizes) reamed & undreamed		
8 mm Dia, 30-34 cm length with 2 mm variation	10 pieces each	
8 mm Dia, 28 & 36 cm length with 2 mm variation	04 pieces each	
9 mm Dia, 30-34 cm length with 2 mm variation	10 pieces each	
9 mm Dia, 28 & 36 cm length with 2 mm variation	04 pieces each	
10 mm Dia, 30-34 cm length with 2 mm variation	10 pieces each	

10 mm Dia, 28 & 36 cm length with 2 mm variation	10 pieces each	
Jig for Tibial interlocking nail	02 pieces each	
Conical Bolt	4	
Tomy Bar	2	
Spanner	4	
Guide wire Holder	4	
Drill sleeve with Protection sleeve	4	
Drill Bit (10 inch Length, Dia 3 mm & 4 mm)	4 pieces each	
Trocar	4 pieces each	
Corresponding Nail Cap	140	
Corresponding Locking Bolts: All sizes (26-56 mm)	10 sets	
Steinman Pin : 4 mm	10	
Total (to be fed in the designated cell of the BOQ)	-	

Item No.2b3		
Item	Quantity	Total Cost including applicable taxes in INR
Recon Plate for 3.5 mm screws		
6 holes to 10 holes	15 pieces each	
11 holes and 12 holes	05 pieces each	
Recon Plate for 4.5 mm screws		
6 holes to 10 holes	15 pieces each	
11 holes and 12 holes	05 pieces each	
Total (to be fed in the designated cell of the BOQ)	-	

Item No: 2b4		
Item	Quantity	Total Cost including applicable taxes in INR
LC- DCP Plate		
Small-6 holes to 10 holes	20 pieces each	
Narrow-6 holes to 10 holes	20 pieces each	
Broad-06 holes to 12 holes	20 pieces each	
Total (to be fed in the designated cell of the BOQ)	-	

Item No: 2b5		
Item	Quantity	Total Cost including applicable taxes in INR
Locking LC- DCP Plate		
Small-6 holes to 10 holes	20 pieces each	

Narrow-6 holes to 10 holes	20 pieces each	
Broad-06 holes to 12 holes	20 pieces each	
Total (to be fed in the designated cell of the BOQ)	-	

Item No.2b6		
Item	Quantity	Total Cost including applicable taxes in INR
DCP Plate		
Small-6 holes to 10 holes	20 pieces each	
Narrow-06 holes to 10 holes	20 pieces each	
Broad-06 holes to 12 holes	20 pieces each	
Total (to be fed in the designated cell of the BOQ)	-	

Item No: 2b7		
Item	Quantity	Total Cost including applicable taxes in INR
Locking DCP Plate		
Small-6 holes to 10 holes	20 pieces each	
Narrow-06 holes to 10 holes	20 pieces each	
Broad-06 holes to 12 holes	20 pieces each	
Total (to be fed in the designated cell of the BOQ)	-	

Item No.2b8		
Item	Quantity	Total Cost including applicable taxes in INR
Cortical Screw (SS) self tapping		
3.5 mm Dia, 12-40 cm length with 2 mm variation	100 pieces each	
4.5 mm Dia, 14-60 cm length with 2 mm variation	100 pieces each	
Total (to be fed in the designated cell of the BOQ)	-	

Item No: 2b9		
Item	Quantity	Total Cost including applicable taxes in INR
Locking Cortical Screw (SS)		
3.5 mm Dia, 12-40 cm length with 2 mm	100 pieces each	

variation		
5 mm Dia, 14-60 cm length with 2 mm variation	100 pieces each	
2.7 mm Dia, 14-60 cm length with 2 mm variation	100 pieces each	
Total (to be fed in the designated cell of the BOQ)	-	

Item No: 2b10

Item	Quantity	Total Cost including applicable taxes in INR
Cancellous Screws (SS)		
6.5 mm Dia, 30-70 mm length with 5 mm variation	50 pieces each	
6.5 mm Dia, 70-90 mm length with 5 mm variation	10 pieces each	
6.5 mm Dia, 100-105 mm length with 5 mm variation	10 pieces each	
4.0 mm Dia: 16 mm threaded 16-30 mm length with 2 mm variation	20 pieces each	
4.0 mm Dia: 16 mm threaded, 35-60 cm length with 5 mm variation	10 pieces each	
4.0 mm Dia: full threaded 16-30 mm length with 2 mm variation	20 pieces each	
4.0 mm Dia: full threaded, 35-60 mm length with 5 mm variation	10 pieces each	
Total (to be fed in the designated cell of the BOQ)	-	

Item No: 2b11

Item	Quantity	Total Cost including applicable taxes in INR
Locking Cancellous Screws (SS)		
5 mm Dia, 30-90 mm length with 5 mm variation (Short threaded & Full threaded)	50 pieces each	
5 mm Dia, 100-105 mm length with 5 mm variation (Short threaded &	10 pieces each	

Full threaded)		
4.0 mm Dia: 16 mm threaded (Short threaded & Full threaded) 16-30 mm length with 2 mm variation	20 pieces each	
4.0 mm Dia: 16 mm threaded, 35-60 mm length with 5 mm variation (Short threaded & Full threaded)	10 pieces each	
4.0 mm Dia: full threaded 16-30 mm length with 2 mm variation (Short threaded & Full threaded)	20 pieces each	
4.0 mm Dia: full threaded, 35-60 mm length with 5 mm variation (Short threaded & Full threaded)	10 pieces each	
Total (to be fed in the designated cell of the BOQ)	-	

Item No.2b12		
Item	Quantity	Total Cost including applicable taxes in INR
Cannulated Cancellous Screws (SS)		
7.0 mm Dia, 70-95 mm length with 5 mm variation (Half threaded) – 16 & 32 mm	50 pieces each	
7.0 mm Dia, 70-95 mm length with 5 mm variation (Full threaded)	10 pieces each	
7.0 mm Dia, 100 & 105 mm length	10 pieces each	
Total (to be fed in the designated cell of the BOQ)	-	

Item No 2b13		
Specific Locking plate		
Item	Quantity	Total Cost including applicable taxes in INR Total in INR
Locking proximal humerus plate : 3-4 hole	20 each	
Locking proximal humerus plate : 5-8 hole	10 each	
Distal humerus locking plate:	20 each	

3-6 hole (Medial & Lateral and Right & Left)		
Distal Femur locking plate: 5-13 hole (Right & Left)	20 each	
Distal Tibia locking plate: 4-12 hole (Right & Left)	20 each	
Proximal Tibia locking plate: 5-11 hole (Right & Left)	20 each	
Total (to be fed in the designated cell of the BOQ)	-	

Item No.2c

Item	Quantity
Suture materials (All types) required for orthopaedic surgery All types means: 1. Vicryl (0,00,1,2) 2. Silk (0,00,000) 3. Nylon (0,00,1) 4. Ethibond (1,2,5) 5. Catgut (0,00,1) 0 & 00 sutures should have round body needle & cutting needle (half circle). Sutures with 1 and above size all should have cutting needle.	Box of 100 each