

**SPECIALIZED HEALTH CARE AND
MEDICAL EDUCATION
DEPARTMENT**

GOVERNMENT OF THE PUNJAB



**PRODUCT VOCABULARY MEDICAL
STORE (PVMS) OF ORTHOPEDIC
SURGERY EQUIPMENT**

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Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection.

Clinical Specialty	Orthopedic Surgery
Generic Name	LC-DCP AND DCP BASIC INSTRUMENT SET
Clinical Purpose	It helps in Osteosynthesis of Long Bone of body with LC-DCP plates system
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Countersink, large. 2. T-handle with quick coupling. 3. Tap for 4.5 mm cortical screws, length 125 mm, thread length 70 mm. 4. Tap for 6.5 mm cancellous bone screws. 5. Double drill sleeve 4.5/3.2. 6. Insert Drill Sleeve 4.5/3.2 length 80mm. 7. Double Drill Sleeve 6.5/3.2. 8. Screwdriver Shaft, hexagonal, large, length 100mm. 9. Screwdriver, hexagonal, large with groove, length 240mm. 10. Holding Sleeve, large, length 120mm. 11. Depth gauge for 4.5-6.5 mm screws. 12. Sharp Hook length 155mm. 13. Tension Device articulated. 14. Combination Wrench 11 mm, L 140 mm. 15. DCP Drill Sleeve 4.5mm. 16. LC-DCP Drill Sleeve 4.5mm. 17. Universal Drill Sleeve 4.5mm. 18. Bending Template for DCP@4.5 and LC-DCP 4.5, length 120 mm. 19. Ratchet Wrench 11 mm, length 140 mm. 20. Bone Holding Forceps, self-centering, with soft lock length 239 mm. 21. Bone Holding Forceps, self-centering, with soft lock length 258 mm. 22. Bone Holding Forceps, self-centering, 277 mm. 23. Reduction Forceps, serrated jaw with soft lock, length 250 mm. 24. Bone Spreader, blade width 12 mm with soft lock. 	

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Clinical Specialty	Orthopedic Surgery
Generic Name	DHS/DCS BASIC INSTRUMENT SET
Clinical Purpose	It helps in internal fixation of proximal and Distal femur
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Instrument Case / Sterilizing Tray. 2. DHS/DCS central sleeve locking. 3. Kirchner wire, 2.0 mm Dia, with trocar tip, length150mm. st steel. 4. DHS/DCS Guide wire, 2.5 mm Dia, with threaded tip. 5. DHS angle guide 135 degree. 6. DHS angle guide 140 degree. 7. DHS angle guide150 degree. 8. DHS/DCS Direct Measuring Device 9. DHS/DCS Wrench, length245mm. 10. DHS/DCS T handle with quick coupling, length 80 mm. 11. Drill bitt, 8.0mmdia, length245 mm. 12. DHS Reamer . 13. Knurled Nut for DHS/DCS reamers. 14. DHS/DCS Tap length220 mm. 15. Coupling Screw short. 16. Guide Shaft. 17. Coupling Screw, long. 18. DHS/DCS Wrench for one step insertion, length 230 mm. 19. Coupling Screw cannulated. 20. Kirschner Wire, 2.0 mm Dia, with trocar tip, length150mm,st. steel. 21. Drill Bit, 3.2 mm Dia , length145/120mm, for quick coupling. 22. Drill Bit , 4.5mm Dia, length 145/120mm, for quick coupling. 23. Tap for 4.5mm cortex screws, length 125mm, thread length 70mm. 24. Tap for 6.5mm Cancellous Bone Screws. 25. Double Drill Sleeve 6.5/3.2 26. Screwdriver Shaft, hexagonal, large, length 100mm 27. Screwdriver, hexagonal, large, with grooves, length 240mm. 28. Holding Sleeve large, length 120mm. 	

29. Depth Gauge for 4.5-6.5mm screws.
30. Screw Forceps, self-retaining, L 85mm.
31. DCP Hip Drill Sleeve 4.5.
32. Universal Drill Sleeve 4.5mm
33. DHS/DCS Guide Wire, 2.5 mm Dia, with threaded tip.
34. DHS Angled Guide 135 degree.
35. DHS Angled Guide 150 degree.
36. DHS/DCS Direct Measuring device.
37. DHS/DCS Wrench, length 245mm.
38. DHS/DCS T- handle with quick coupling, length 80mm.
39. Drill Bit 8.0 mm Dia, length 245mm.
40. DHS Reamer.
41. Knurled Nut for DHS and DCS Reamers.
42. DHS/DCS Impactor, length 200mm.
43. DHS/DCS Tap, length 220mm.
44. DHS/DCS Centering Sleeve, short.
45. DHS/DCS Central Sleeve, long.
46. Coupling Screw Short.
47. Guide Shaft.
48. Coupling Screw, long.

ACCESSORIES:

DHS SET FOR PAEDIATRIC AGE GROUP.

All the above instruments for adult DHS in pediatric range

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Clinical Specialty	Orthopedic Surgery
Generic Name	INSTRUMENT SET FOR ANGLED BLADE PLATE 90 DEGREE.
Clinical Purpose	It helps in fixation and corrective osteotomy of bones
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Instrument Case / Sterilizing Tray. 2. Guide Wire 2.0mmDia , with threaded tip, length 230 mm. 3. Drill Bit 4.5/2.1mm Dia, cannulated, length 230/210mm, for Jakob,s chuck. 4. Measuring Device for 7.0mm Cannulated Screws, length 230mm. 5. Bending Template for Cannulated Angled Blade Plate90 degree, 5 holes. 6. Bending Template for Cannulated Angled Blade Plates 90 degrees, 8 holes. 7. Drill Guide for Angled Blade Plates 90 degrees. 8. Inserter/Extractor for Cannulated Angled Blade Plates 90 degrees. 9. Slotted Hammer Small. 10. Impactor. 11. Positioning Plate, triangular, 90 degree/ 50 degree/ 40 degree. 12. Condylar Plate Guide. 13. Double Drill Sleeve4.5/3.2. 14. Triple Drill Guide. 15. Router for quick coupling. 16. Chisel Guide. 17. Seating Chisel Length 320mm. 	

Note:

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Clinical Specialty	Orthopedic Surgery
Generic Name	SMALL FRAGMENT INSTRUMENT AND IMPLANT SET.
Clinical Purpose	It helps in fixation of forearm and bones of hand
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Instrument Case/ Sterilization Tray. 2. Torque-limiting Attachment. 3. Screwdriver Shaft 2.5 4. Drill Bit 2.8mm Dia, length165mm. 5. Threaded L C P Drill Guide for 2.5 mm drill bits. 6. Bending iron for LCP Reconstruction Plates. 7. Screw Holding Sleeve for LCP 3.5. 8. Extraction Screw, conical, for locking head screws. 9. Drill Bit, 2.5mm Dia, for metal. 10. Drill Bit, 3.5 mm Dia, length 100/85mm, for quick coupling. 11. Countersink Shaft 3.5mm, length 72mm. 12. Tap for 3.5 mm Cortex Screw, length110mm. 13. Tap for 4.0mm Cancellous bone Screw. 14. T-Handle with quick coupling, length80 mm. 15. Double Drill Sleeve3.5/2.5. 16. Screwdriver Hexagonal, small, with holding sleeve. 17. Screwdriver Shaft, hexagonal, small, length 100 mm, for quick coupling. 18. Screwdriver, hexagonal, small 3.5mm. 19. Holding Sleeve, length 80mm. 20. Depth Gauge for 2.7-4.0mm screws. 21. Sharp Hook, length 155mm. 22. Holding Clip. 23. Screw Forceps, self-retaining, length 85mm. 24. DCP Drill Sleeve3.5 mm for neutral and load position, 2.5 mm Drill Bit. 25. Bending Iron for plates 2.7 and 3.5, length 150mm, slit widths 4.5 and 2.5mm. 26. Bending Iron for plates 2.7 and 3.5, length 150mm, slit widths 2.5 and 4.5 mm. 27. Bending Pliers for Plates 2.4 to 4.0, length 230 mm. 28. Bending Template for DCP 3.5 and LC-DCP, L 114 mm. 29. Wire Bending Pliers, length 155 mm. 30. Reduction Forceps with points, length 126 mm, soft lock. 31. Reduction Forceps with points, wide, soft lock. 32. Reduction Forceps, serrated jaws, length 146mm, soft lock. 33. Bone Holding Forceps, self-centering, length 191 mm, soft lock. 34. Retractor, small, 8mm wide, short narrow tip, length160mm. 35. Periosteal Elevators, round edge, 6mm wide, length 200mm 36. Retractor, 15mm wide, length 160mm. 37. Depth Gauge for 2.7 to 4.0 mm screws. 38. Allen Key, hexagonal, angled, small. 39. Tension Device, articulated. 	

Note:

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Clinical Specialty	Orthopedic Surgery
Generic Name	SMALL LOCKING IMPLANT INSTRUMENT SET.
Clinical Purpose	It helps in fixation of forearm bones with locking plates and removal of locking plates

TECHNICAL SPECIFICATIONS

1. Instrument Case.
2. Guide Wire, 1.5mm.
3. Drill Bit 2.8mm.
4. Drill Sleeve, 2.8mm.
5. Depth Gauge for Locking Screws.
6. Drill Bit 2.5mm.
7. Bending Iron Left.
8. Tap for Cortex Screw, 3.5mm.
9. Torque indicating Screwdriver, 1.5 Nm.
10. Screwdriver Hexagonal, 2.5mm.
11. Holding Sleeve.
12. Double Drill Guide 2.5/3.5.
13. Extraction Screw for Screws.
14. Broken Screw Extractor.
15. T-Handle with quick coupling.
16. Screw Forceps, self-holding.
17. Drill Sleeve for Guide Wire, 1.5mm, short.
18. Screwdriver shaft, hexagonal, 2.5mm.
19. Bending Iron, right.
20. Reduction Forceps with points.
21. Bone Holding Forceps, self-centering.
22. Periosteal Elevator, round edge.
23. Periosteal Elevator, straight.
24. BoneLever , small.
25. Bone Lever, big.
26. Holding Sleeve for torque indicating screwdriver.

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

Clinical Specialty	Orthopedic Surgery
Generic Name	PROXIMAL HUMERAL LOCKING PLATE INSTRUMENT SET.
Clinical Purpose	It helps in fixation of proximal humerus with locking plates
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Instrument Case. 2. Aiming Device. 3. LCP Drill Sleeve3.5. For Drill Bits 2.8 threaded. 4. Centering Sleeve for Aiming Device. 5. Drill Sleeve for aiming device. 6. Drill Sleeve for guide wire. 7. Depth Gauge. 8. Guide Wire. 	

Note:

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Clinical Specialty	Orthopedic Surgery
Generic Name	LARGE FRAGMENT INSTRUMENT SET.
Clinical Purpose	Fixation of long bones with plates and screws
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Instrument Case. 2. Double Drill Guide, 3.2/4.5. 3. DCP Drill Guide, 3.2. 4. Drill Guide, pointed. 5. Drill Sleeve Insert with stop for screws 4.5 6. Drill Sleeve for drill bit, 3.2. 7. Depth Gauge. 8. T-Handle with quick coupling. 9. Countersink, large, for Cortex Screws 4.5. 10. Tap for Cortex screws 4.5. 11. Tap for Cancellous Screws 6.5mm. 12. Bending Template long. 13. Bending Template, short. 14. Bending Iron, left. 15. Screw Forceps ,self-holding 16. Screwdriver shaft, hexagonal.3.5 17. Screwdriver hexagonal, large 3.5mm. 18. Holding Sleeve. 19. Reduction Forceps with points. 20. Bone Holding Forceps self-centering, large. 21. Extraction Screw for screws 4.5 22. Broken Screw extractor. 23. Drill Bit ,3.2 24. Drill Bit 4.5 25. Periosteal Elevator, round edge. 	

Note:

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Clinical Specialty	Orthopedic Surgery
Generic Name	LARGE LOCKING INSTRUMENT SET.
Clinical Purpose	It helps in fixation of long bones with locking plates and removal
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Instrument Case. 2. Drill Bit 4.3mm. 3. Drill Sleeve for 4.3 mm drill bit. 4. Depth Gauge, for locking screws. 5. Bending Iron, left. 6. Tap for Cortex screw, 4.5mm. 7. Torque indicating screwdriver, 4.0Nm. 8. Screwdriver hexagonal, 3.5. 9. Holding Sleeve. 10. Double Drill Guide,3.2/4.5. 11. Extraction Screw for screws. 12. Broken Screw Extractor. 13. T-Handle with Quick Coupling. 14. Screw Forceps, self-holding. 15. Drill Sleeve for guide wire, 2.5mm, short. 16. Screwdriver Shaft, hexagonal. 3.5 mm. 17. Guide Wire, 2.5mm. 18. Bending Iron, right. 19. Reduction Forceps with points. 20. Bone holding Forceps, self-centering. 21. Periosteal Elevator, round edge 22. Periosteal Elevator, straight. 23. Bone Lever Small. 24. Bone Lever, big. 	

Note:

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Clinical Specialty	Orthopedic Surgery
Generic Name	DISTAL FEMORAL LOCKING PLATE INSTRUMENT SET.
Clinical Purpose	It helps in fixation of distal femoral fractures with locking plates
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Instrument Case. 2. Guide Wire, 2.5mm. 3. Drill Sleeve, for guide wire 2.5mm. 4. Drill Sleeve, 4.3mm. 5. Wrench for fixation sleeve. 6. Fixation Sleeve for Drill Bit. 7. Drill Sleeve for locking screws, small. 8. Drill Sleeve for locking screws, large. 9. Fixation Locking Bolt. 10. Tension Device. 11. Depth Gauge. 12. Insertion Guide for distal Femur, left. 13. Insertion Guide for distal femur, right. 14. Fixation Sleeve for Drill Bit. 15. Wrench for Fixation Sleeve. 16. Tap for Cannulated screws, 7.3 mm, cannulated. 17. Tap for Cancellous Bone Screws, 6.5mm. 18. T-Handle with Quick Coupling, cannulated. 	

Note:

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Clinical Specialty	Orthopedic Surgery
Generic Name	INSTRUMENT SET FOR RECONSTRUCTION PLATE.
Clinical Purpose	It helps in fixation of pelvic bone with reconstruction plates
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Ball Spike, with pointed ball tips. 2. Pelvic Reduction Forceps, oblique, large, ball tips, speed lock. 3. Pelvic Reduction Forceps, angled, small, with pointed ball tips, speed lock. 4. Pelvic Reduction Forceps, with angled pointed ball tips, speed lock. 5. Pelvic Reduction Forceps, small, for use with cortex screws 6. Pelvic Reduction Forceps, large, for use with cortex screws. 7. Pelvic Reduction Forceps, asymmetric, with pointed ball tips. 8. Pelvic Reduction Forceps, long, with three pointed ball tips, speed lock. 9. Disc curved, for Pelvic Reduction Forceps. 10. Disc, flat, for Pelvic Reduction Forceps. 11. Pelvic Reduction Forceps, large, adjustable, speed lock. 12. Bending Pliers, for Reconstruction Plates. 13. Bone Hook, sharp, large. 14. Pelvic Retractor, blunt. 15. Drill Bits, flexible, 2.5. 16. Drill Guide for flexible Drill Bits, 2.5 17. Screwdriver hexagonal, with universal joint. 18. Bending Templates for straight reconstruction plates. 19. Bending Template for straight reconstruction plates. 20. Drill Bits, 2.5 21. Drill Bits 3.0 22. Double Drill Guide, 2.5/3.5 23. Double Drill Guide, 3.0/4.0 24. Depth Gauge. 25. Tap for Cortex Screws,3.5mm 26. Tap for Cancellous Bone Screws,4.0mm 27. Bending Iron for Reconstruction Plates, left 28. Screw Forceps. 29. Screwdriver , hexagonal, 2.5 30. Holding Sleeve. 31. Screwdriver Shaft, hexagonal, 2.5mm 32. T-Handle with Quick Coupling 33. Bending Iron for Reconstruction Plates, right. 34. Instrument Case. 	

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Clinical Specialty	Orthopedic Surgery
Generic Name	UNIVERSAL FEMORAL NAIL INSTRUMENT SET.
Clinical Purpose	It helps in fixation of femur with universal femoral nails
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Reverse Awl. 2. Screwdriver , hexagonal, 4.0 3. Depth Gauge. 4. Inserter-Extractor for femoral nail. 5. Universal Joint. 6. Screwdriver, hexagonal, cannulated,5.0mm 7. Drill Bits 4.2 8. Ratchet Wrench 9. Fixation Sleeve for Drill Bit 10. L-Wrench, hexagonal,3.0 11. Drill Bit 5.0mm 12. Drill Bit with flat head 5.0 13. Tissue Protector 14. Trocar, use with protection sleeve 15. Protection Sleeve 16. L-Handle Drill Sleeve 17. Insertion Handle for Femoral Nail 18. Connecting Screw, cannulated, for Femoral Nail 19. Proximal Aiming Arm for Femoral Nail 20. Distal Aiming Arm for Femoral Nail. 21. Aiming Arm Shaft for Femoral Nail 22. Locking Screw 1 for Aiming Arm. 23. Radiographic Ruler for Femoral Nail 24. Calibrating Pin 25. Locking Screw 2 for Aiming Arm 26. Hammer 27. Protection Sleeve , for Calibrating pin 28. Locking Screw 3 for Aiming Arm 29. U-Clip, 9.0 30. Wrench for Connecting screw 31. Adjusting Trocar 32. U-Clip 10mm 33. Screwdriver Shaft for End Cap 34. Outer Protection Sleeve, for calibrating pin 35. Trocar ,for outer protection sleeve, for calibrating pin 36. Guide Wire, 2.5mm, length 660mm, with olive head. 37. Guide Wire 2.5mm, length 250mm 38. Drill Guide for Guide Wire 39. Connecting Screw for Inserter-Extractor 40. Screwdriver, hexagonal, with universal joint 41. U-Clip , 11mm 42. Locking Screw 4 for Aiming Arm 43. Instrument Case 44. Flexible Reamers Cannulated, total number 21, starting from 6.0mm, with 0.5 mm increment in diameter 45. Connecting assembly for flexible reamers with power drill 	

46. Manual reamers,cannulated, total number 11, starting from 6.0mm with 1.0mm increment in diameter.	
Clinical Specialty	Orthopedic Surgery
Generic Name	INSTRUMENT SET FOR DISTAL FEMORAL NAIL.
Clinical Purpose	It helps in fixation of distal femur fracture with distal femur nails
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Instrument Case. 2. Reverse Awl 3. Screwdriver Hexagonal, 4.0mm 4. Depth Gauge 5. Inserter-Extractor, for distal femoral nail 6. Screwdriver , hexagonal, cannulated 5.0mm 7. Drill Bit 4.2 8. Fixation Sleeve for Drill Bit 4.2. 9. L-Wrench ,hexagonal,3.0 10. Tissue Protector 11. Trocar, use with protection sleeve 12. Protection Sleeve 13. L-Handle Drill Sleeve, use with protection sleeve. 14. Connecting Screw , Cannulated, for Distal Femoral Nail 15. Screw for Aiming Arm 16. Aiming Arm , long for distal femoral nail 17. Aiming Arm, short, for distal femoral nail. 18. Wrench for connecting screw 19. Hammer 20. Connecting Screw , cannulated, for Distal Femoral Nail 21. Screw for Aiming Arm 22. Aiming Arm , long for Distal Femoral Nail 23. Aiming Arm short, for Distal Femoral Nail 24. Wrench for connecting screw 25. Hammer 26. Screwdriver shaft for End Cap 27. Guide Wire 2.5mm, length 660mm with Olive head 28. Guide Wire 2.5mm, length 660 mm without olive head 29. Guide Wire 2.5mm ,length 250mm 	

Note:

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APPROVED PVMS

Clinical Specialty	Orthopedic Surgery
Generic Name	UNIVERSAL HUMERAL NAIL INSTRUMENT SET.
Clinical Purpose	It helps in fixation of shaft of humerus with humeral nail
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Instrument Case. 2. Reverse Awl 3. Drill Bits 3.0mm length 200mm. 4. Drill Bits 3.2mm, length 200mm. 5. Protection Sleeve 8.0m, length 85mm. 6. Protection Sleeve 10mm, length85 mm. 7. Trocar ,6.0 mm 8. Trocar, 8.0mm 9. Inner Sleeve 6.0mm 10. Screwdriver Shaft, hexagonal, 3.0mm 11. Screwdriver , hexagonal, 3.0mm 12. Fixation Sleeve for drill bits 13. L-Wrench, hexagonal, 3.0mm 14. Inserter-Extractor for Humeral Nail. 15. Universal Joint 16. Radiographic Ruler for Humeral Nail 17. Insertion Handle for Humeral Nail 18. Aiming Arm Straight 19. Aiming Device for distal , curved 20. Aiming Device for Proximal 21. Locking Screw for Aiming Arm 22. Connecting Shaft for Aiming Arm 23. Ratchet Wrench 24. Depth Gauge 25. Guide Wire 2.0mm, length 660mm, without olive head 26. Guide Wire 2.0mm, length 660mm, with olive head 	

Note:

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Clinical Specialty	Orthopedic Surgery
Generic Name	UNIVERSAL TIBIAL NAIL.
Clinical Purpose	It helps in fixation of shaft of tibia with tibial nail
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Instrument Case 2. Insertion Handle for Tibial Nail 3. Aiming Arm Shaft for tibial Nail 4. Proximal Aiming Device for Anteroposterior interlocking, right 5. Distell Aiming Device for Tibial nail 6. Connecting Screw, cannulated, short ,for Tibial Nail 7. U-Clip8.0mm 8. Locking Screw 1 for Aiming Device 9. Calibrating Pin 10. Locking Screw 11 for Aiming Device 11. Locking Screw 111 for Aiming Device 12. Screwdriver, hexagonal, 4.0mm 13. Screwdriver Cannulated, 5.0mm 14. Depth Gauge 15. U-Clip ,9.0mm 16. U-Clip 10.0mm 17. Inserter- Extractor for Tibial Nail 18. L-Wrench Hexagonal,3.0mm 19. Reverse Awl 20. Protection Sleeve 21. Drill Sleeve, 4.0mm 22. Drill Bits, 3.8mm 23. Trocar 8.0mm 24. Fixation Sleeve for Drill Bit, 4.0mm 25. Hammer 26. Drill Bits 5.0mm 27. Drill Bits with flat head 28. Protection Sleeve for Calibrating Pin 29. Tissue Protector 30. Radiographic Ruler for Tibial Nail 31. Wrench, for Connecting Screw 32. Proximal Aiming Device for Anteroposterior Interlocking, left 33. Adjusting Trocar 34. Guide Wire 2.0mm, length 660mm, with olive head 35. Guide Wire 2.0mm, length 660mm, without olive head 36. Guide Wire , 2.5mm, length 250mm 37. Screwdriver Shaft for End Cap 38. Outer Protection Sleeve, for calibrating pin 39. Trocar for Outer Protection Sleeve, for Calibrating pin 40. Drill Guide for Guide Wire 41. Connecting Screw for inserter-extractor 42. Screwdriver, hexagonal, with universal joint 	

Note:

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Clinical Specialty	Orthopedic Surgery
Generic Name	UNIVERSAL SPINE INSTRUMENT SET.
Clinical Purpose	These are General instruments for fixation of vertebral fractures
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Instrument Case 2. Pedicle Awl 3. Pedicle Probe , Straight 4. Pedicle Probe , Curved 5. Feeler for Screw channel,, straight 6. Feeler for Screw channel, curved 7. Insert Device for Fixation Pin 8. Fixation Pin , left 9. Fixation Pin, right 10. Handle with Quick Coupling, straight 11. T-Handle with Quick Coupling 12. Tap 5.0/5.5mm 13. Tap for Cancellous Bone Screws6.0mm 14. Tap 6.5/7.0 15. Screwdriver for long arm Pedicle Screw 16. Screwdriver for Mono-axial pedicle screw 17. Screwdriver for Variable Axis long arm Pedicle Screw 18. Screwdriver for Variable Axis Pedicle Screw 19. Trial Rod 20. Bending Pliers with rolls, for rods 21. Holding Forceps for Rods 22. Rod Pusher for Rod 1 23. Holding Set for 5.0mm screw 24. Running Set for USS Rods 25. Running Forceps for USS Rods 26. Spreader Sleeve 27. Spreader Forceps 28. Compression Forceps 	

29. Sleeve to Prevent the rotation of Pedicle Screw
30. Wrench with Quick Coupling, 5.0mm
31. Locking Sleeve for Trans connector
32. Wrench for Trans connector Screw
33. Screw Cutter for long arm Pedicle screw
34. Sleeve for Prevent the rotation for screw cutter
35. Screw Cutter Set for long arm pedicle screw
36. Rod Pusher for Rod 11
37. Laminectomy Rongeurs upwards biting
38. Laminectomy Rongeurs, downwards biting
39. Disc Rongeurs, shaft 130 mm, upwards biting
40. Disc Rongeurs, shaft 130mm, downwards biting
41. Disc Rongeurs, shaft 180mm
42. Spinal Gouge
43. Cobb Elevator
44. Spinal curettes
45. Self-Retaining Retractors Charnleys
46. Self-Retaining Retractors, Adsons.
47. Self-Retaining Retractors, Harvey –Jacksons
48. Nerve root Retractor, straight
49. Nerve Root Retractors, curved
50. Vertebral Body Spreader
51. USS Pedicle Probe
52. Reamer for USS Variable Axis Screw System

Note:

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Clinical Specialty	Orthopedic Surgery
Generic Name	INSTRUMENT SET FOR ANTERIOR CERVICAL SPINE FIXATION SYSTEM.
Clinical Purpose	It helps in fixation of cervical spine from anterior aspect
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Screwdriver Hexagonal, 2.5 mm 2. Holding Sleeve 3. Drill guide 4. Bending plier 5. Distractor 6. Fixation Pin 7. Distraction Pin 8. Holding Forceps for Cervical Spine Plate 9. Insert Device for Fixation Pin 10. Awl 11. Muscle Retractor 12. Screwdriver Hexagonal, 2.0mm 13. Screwdriver for Distraction Pin 14. Screwdriver for extracting screw 15. Adjustor for Washer, semicircle 16. Drill Bit, 2.5mm 17. Instrument Case 	

Note:

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Clinical Specialty	Orthopedic Surgery
Generic Name	INSTRUMENT FOR POSTERIOR CERVICAL SPINE SYSTEM
Clinical Purpose	It helps in fixation of cervical spine from posterior aspect
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Pedicle Probe 2. Feeler for Screw Channel 3. Fixation Pin ,left 4. Fixation pin, right 5. Depth Gauge 6. Occiput Trial Rod 7. Bending Pliers 8. Bending Iron for rods right and left 9. Rod Pusher 10. Sleeve to prevent rotation of Pedicle Screws 11. Guide Sleeve for Awl 12. Holding Forceps for Lamina Hooks 13. Compression Forceps 14. Reduction Forceps 15. Awl for Lamina Hooks 16. Drill Sleeve with scale for drill bit 	

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

Clinical Specialty	Orthopedic Surgery
Generic Name	INSTRUMENT SET FOR ANTERIOR THORACO LUMBAR SPINE FIXATION
Clinical Purpose	It helps in fixation of thoraco lumbar spine from anterior aspect
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Depth Gauge 2. Locking Sleeve 3. Fixed Awl 4. Limited Awl 5. Curved Awl 6. T-Handle with Quick Coupling 7. Cancellous Tap 8. Screwdriver for Variable Axial Screws 9. Screwdriver for vertebral Screws 10. Distractor/Compressor 11. Caliper 12. T-Screwdriver Hexagonal 13. Nut Sleeve 14. Wrench 15. Compression Forceps 16. Wrench for Trans connector 17. Template for Transconnector,20/21 18. Guide for Staple Washer, double hole, small , medium and large 19. Awl for Staple Washer 20. Vertebral Distractor 21. Templates for Trans connector 22. Instrument Case 	

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

Clinical Specialty	Orthopedic Surgery
Generic Name	GENERAL INSTRUMENTS.
Clinical Purpose	These are required for every orthopedic procedures
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Bone Levers <ol style="list-style-type: none"> a. Width 08mm, length 100 mm b. Width 08 mm, length 130mm c. Width 18mm, length 130mm d. Width 18mm, length 150 mm e. Width 18mm, length 190mm 2. Muscle Retractors <ol style="list-style-type: none"> a. Width 23mm , length 40mm b. Width 23mm, length 80mm c. Width 23 mm, length 140mm d. Width 23 mm, length 160mm 3. Universal Chuk with T-Handle, cannulated 4. Bone Forceps <ol style="list-style-type: none"> a. Self-Centering, length 144mm b. Self-Centering, length 191mm c. Self-Centering, length 239 mm d. Self-Centering, 258mm e. Self-Centering, 277mm f. Bone Holding Forceps with ball, length 156mm g. Reduction Forceps, serrated jaws, length 146mm h. Reduction forceps, serrated jaws, length 194 mm i. Reduction Forceps, serrated jaws, length 250mm j. Patella Forceps, length 171mm k. Stagbeetle Forceps, length 117mm l. Reduction Forceps with points, length 126mm m. Reduction Forceps with points, length 222mm n. Bone Spreader, blade width 5mm, length 144mm o. Bone Spreader, Blade width 12mm, length 260mm p. Fibular Forceps q. Periarticular Reduction Forceps, small and large 5. Periosteal Elevator, 13mm wide , length 200mm 6. Periosteal Elevator, curved shaft, length 200mm 7. Hammer, weight 100 g, 350 g 8. Chisel handle 9. Chisel Blades 05 sizes 10. Gouges , 06 different sizes 11. Osteotomies , 06 different sizes 12. Bone Hook , sharp, small 13. Bone Hook , sharp, large 14. Triple Drill Guide 15. Wire Passer 16. Wire tightener 17. Cerclage Wire Tightener 18. Forceps for twisting wires, long 19. Forceps for twisting wires , small 	

20. Holding forceps for cerclage wires
21. Wire Bending Pliers
22. Parallel Pliers , flat nosed
23. Vice Grip
24. Wire Cutter , small
25. Wire Cutter , large
26. Wire cutter , long
27. Wire Cutter , short
28. Bending Iron for Kirchner Wires
29. Hand Chuck for Kirchner wires
30. Instruments for Removal of Damaged Screws
 - a. Reamers, hollow
 - b. Spare Reamer Tubes for Hollow Reamers
 - c. Extraction Bolts
 - d. Extraction Screws
 - e. Forceps for Screw Removal
 - f. Gouge
 - g. Instrument Case
31. Bone Cutting Forceps
32. Bone Rongeurs, Nibblers, straight, 18, 19, 20cm in length
33. Bone Rongeurs, curved, 18 and 20 cm in length
34. Bone Skid
35. Sterilization Tray

Amputation Saw

1. Plaster Saw
2. Plaster Spreader
3. Goniometer
4. Vernier Caliper
5. Bone Reamers for Austin More Prosthesis, small and large
6. Box Osteotome
7. Gigli saw
8. Bending Irons for DCP, large
9. Bending Iron for DCP, small
10. Intramedullary Bone Saw includes
 - a. Bone Saw Assembly.
 - b. Blades.
 - c. Cams
 - d. Chisels

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

Clinical Specialty	Orthopedic Surgery
Generic Name	GENERAL SURGICAL INSTRUMENTS
Clinical Purpose	These are required for soft tissue handling during surgery
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Artery Forceps, small, straight, 15 cm long 2. Artery Forceps, small, curved, 15 cm long 3. Artery Forceps, medium, curved, 20 cm long 4. Artery Forceps, medium , straight, 20 cm long 5. Artery Forceps, large, straight 6. Kocher Forceps, large 7. Allis Forceps, small 8. Allis Forceps, large 9. Hook Retractors 10. Cat Paw Retractors 11. Langenbach Retractors 12. Sponge Holding Forceps 13. Dissecting Scissors, small, curved , 15cm 14. Dissecting Scissors, curved , 20 cm long 15. Dissecting Scissors, curved, 25 cm long 16. Straight Scissors, small , 15 cm long 17. Straight Scissors, medium, 20 cm long 	

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

Clinical Specialty	Orthopedic Surgery
Generic Name	ARTHROSCOPY PRODUCTS.
Clinical Purpose	These instruments help in arthroscopic surgery
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Telescopes, diameter 04 mm, length 12 to 18 cm , autoclave able, fiber optic light transmission <ol style="list-style-type: none"> a. Wide Angle Straight Forward Telescope 0 degree b. Wide Angle Forward Oblique Telescope 30 degree c. Wide Angle Forward –Oblique Telescope 45 degree d. Wide Angle Lateral Arthroscope 70 degree 2. High – Flow Arthroscope Sheaths with Automatic Lock-in Coupling Mechanism and with Snap-in Coupling Mechanism <ol style="list-style-type: none"> a. For use with Telescopes, diameter 04mm, length 18cm b. For use with Telescopes, diameter 6.5mm, working length 12 cm rotating for use with telescopes 0degree, 30 degrees , 45 degrees, 70 degrees, 90 degrees c. High Flow Arthroscope Sheath, diameter 06 mm, with two stopcocks 3. Obturators. <ol style="list-style-type: none"> a. Obturator, Sharp, 03 sizes b. Obturator, semi sharp, 03 sizes c. Obturator, blunt, 03 sizes 4. Arthroscope Punches , all in 03 sizes, cutting width 3.4mm, 2.7mm, 1.5mm. <ol style="list-style-type: none"> a. Punch, through cut, angled 15 degrees upwards b. Punch, through cut , straight c. Punch, through cut , angled 30 degree left d. Punch, through cut, angled 30 degree right e. Punch, through cut , angled 90 degree left f. Punch, through cut, angle 90 degree right g. Scissor Punch, cutting width 0.5mm, sheath diameter 3.5mm h. Scissor Punch, curved sheath left, cutting width 0.5 mm, sheath diameter 3.5mm i. Scissor Punch ,right, cutting width 0.5 mm, sheath diameter 3.5mm 5. Grasping Forceps. <ol style="list-style-type: none"> a. Grasping Forceps, straight, spoon shaped jaws in 03 sizes, 3.4mm, 2.7mm ,4.5 mm, length 13cm b. Grasping Forceps, 30 degrees curved upwards, spoon shaped jaws, serrated, working length 13 cm c. Alligator Grasping Forceps, surgical, length 13 cm d. Aggressive Foreign Body Grasping Forceps, length 15 cm , and 20 cm e. Suture Grasping Forceps, length 15 cm 6. Suction Punch, Sheath Diameter 4.8 mm, working length 13 cm 7. Biopsy Forceps, sheath diameter 3.5 mm and 2.3 mm, length 10-13 cm) 8. Arthroscope Scissors. <ol style="list-style-type: none"> a. Scissors Straight, sheath diameter 3.5 mm, length 13 cm b. Scissors curved right, sheath diameter 3.5mm, length 13 cm c. Scissors curved left, sheath diameter 3.5 mm, length 13 cm 9. Meniscus Retractor, straight, with serrated jaws, length 13 cm 10. Meniscus Grasping Forceps, length 13 cm 11. Cartilage Forceps, 30 degrees curved upwards length 11 cm 12. Hooks and Retractors <ol style="list-style-type: none"> a. Hook and Retractor , Graduated, diameter 3.5 mm, length of hook, 02 sizes, 02mm and 04 mm, working length 12-18cm b. Hook and Retractor, straight, diameter 02 mm, length of hook 02mm, length 04 cm 	

- c. Palpation Hook, graduated, length of hook 5.5mm, hook angled 90 degrees, length 13 cm
- d. Palpation Hook, graduated, length of hook 03mm, length 13 cm
- e. Palpation Hook graduated, angled down wards 20 degrees, length 20 cm
- 13. Knives and Rasps.
 - a. Pointed Knife Straight , 3.5 mm
 - b. Knife , curved , sharp, double edged, length 18 cm
 - c. Retrograde Knife, straight, 3.5mm
 - d. SMILLIE Knife, straight, 3.5 mm
 - e. Hook Knife Straight ,3.5 mm
 - f. Double Edged Knife, curved ,pointed, straight
 - g. Sickle Knife, straight
 - h. Rosette Knife , straight
 - i. Rasp Straight,
- 14. Curettes.
 - a. STROBEL Curette, oval, large, curved 10 degree
 - b. STROBEL Curette, curved 30 degrees, length 13 cm
- 15. Curettes, both sides cutting.
 - a. Curette, oval, large, 20 degree, curved upward
 - b. curette, oval, large, 35 degree, curved upwards
 - c. curette, small, oval, 20 degree curved upwards
 - d. Curette, oval, small, 35 degrees, curved upwards
- 16. Mirror for Inspection of all Joints
 - a. Handle for use with mirror attachments
 - b. STROBEL Mirror Attachment, straight, diameter 6.5mm
 - c. STROBEL Mirror Attachment, 10 degree curved upwards
 - d. STROBEL Mirror Attachment, 40 degrees curved upwards
 - e. STROBEL Mirror Attachment, 70 degrees curved upwards
- 17. STROBEL Gouge, cutting width 4 mm
- 18. STROBEL Chisel, cutting width 4 Mm
- 19. Micro Fracturing Chisel, 05 different sizes
- 20. Rasps 05 different sizes

ACCESSORIES:

Meniscus Sutureset.

- 1. Handle for use with Suture Attachments
- 2. Roller Attachment
- 3. Roller
- 4. Suture Attachment, straight , and 05 different angles
- 5. Cannula, for use with Suture Attachment
- 6. Obturator for use with Cannula
- 7. Knot Tier
- 8. Suture Curette
- 9. Thread Grasping Forceps

Cruciate Ligament Reconstruction Set.

- 1. Tendon Stripper, in 02 sizes
- 2. Open Tendon Stripper
- 3. Tendon Hook
- 4. Tibial Target Guide, for ACL
- 5. Larding Wire
- 6. Guide Sleeve
- 7. Tibial Target Guide Channel Lock , ACL
- 8. Tendon Board

9. Tendon Thickness Tester
10. Thread Clip
11. FLIPPTACK-Retainer only
12. FLIPPTACK, Femoral fixation Button
13. Tissue Forceps
14. Chisel, width 8 mm
15. Tendon Knife
16. Patellar Saw Templates 05 different sizes
17. Measuring Block
18. Bone Block Holder
19. Bone Forceps
20. Cancellous Bone Extractor, in 05 different sizes
21. Handle for use with cancellous bone extractor
22. Drill , Cannulated , in 06 sizes, from 06mm -11 mm
23. Bone drill, cannulated in 14 different sizes, from 4.5 mm – 11 mm
24. Cannulated Drill Sleeve in 05 different sizes
25. Length Guage
26. Thread Hook
27. Femoral Target Guide, ACL , in 03 sizes
28. Handle with Ratchet
29. Impingement Test Rod, in 02 sizes
30. Dilator
31. Femoral Target Guide , for the double bundle technique
32. Tibial Target Guide , for the double tendon technique
33. Positioning Device
34. Button Wrench
35. Knot Holder
36. Positioning Device
37. Tensiometer
38. Metal Mallet
39. Screwdriver Revision Set, in 05 diameters
40. Handle for Blade Dilators and Coring Reamers
41. Coring Reamer System, outer diameter 6-12 mm
42. Blade Dilators , in 08 different sizes
43. Cross Drive Screwdriver
44. Notcher
45. Chisel for ACL Surgery
46. Changing Rods, Guiding Rods
47. Half Pipe, for instrument exchange in the Shoulder Joint
48. Secure Portal System , including positioning needle , cannulated dilator
49. Suturing Instruments for the Rotator Cuff
 - a. Handle for suture attachments
 - b. Roller Attachments
 - c. Roller
 - d. Suture Attachments, in 08 different sizes and shapes
 - e. Suture Forceps in 02 different curves
 - f. Handle with thumb release, with 04 locking positions
 - g. Glenoid Rasp
 - h. S.L.A.P Rasp
 - i. Elevator, sharp, ergonomic handle
 - j. Hook and Retractor, graduated
 - k. Punch, length 18 cm

- l. Hook Scissors
- m. Grasping Forceps
- n. Glenoid Guide
50. Irrigation Cannulas in 04 different sizes
51. Leg Holder, including release clamp 25 mm, neoprene cushion and closure stripe

HD Camera System

1. High Definition Camera Controller with minimum resolution of 1920X1080 pixels with the method of progressive scanning
2. High Definition CCD/CMOS Camera Head
3. Medical Graded Colour LCD/LED Monitor 26 Inch
4. LED / 300 Watt Xenon Light Source with Attachments and Cables.
5. Dual Pump Suction and Irrigation System with mains cord , connecting cable with 12 tubing sets(reusable)
6. Powershaver with mains Cord, Hand Control, two pedal footswitch , SCB Connecting Cable, Multifunctional hand piece with all standard attachments.
7. Shaver Blades in 06 different shapes
8. Built in recording system
9. Multi-specialty Video Cart

OPTIONAL :

Small Joint Telescopic Set

Small Joint Scopes and Sheath Systems

1.9mm Autoclave able Scopes, 0 degree and 30 degrees

Sheath System for 1.9 mm Scopes

2.5 mm Autoclave able Scopes, 0 degree , 30 degrees, 70 degrees

Sheath System for 2.5 mm scopes

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

Clinical Specialty	Orthopedic Surgery
Generic Name	INSTRUMENTS FOR ILIZAROV EXTERNAL FIXATOR.
Clinical Purpose	It helps in fixation of fractures and limb lengthening procedures with help of ilizarov fixator
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Dynametric Wire Tensioner , 02 in number 2. Ratchet Handle with no 10 sockets 3. Ring Key 10mm both sides 4. Tube Wrench 10 mm 02 in number 5. Grip Plier 02 in number 6. Plain Plier 7. Wire Cutter for 03 mm steel wire 8. Double Action Pin Cutter 9. Instrument case. 	

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

Clinical Specialty	Orthopedic Surgery
Generic Name	INSTRUMENTS FOR HEADLESS SCREWS
Clinical Purpose	These instruments required for the application of headless screws
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Instrument Case 2. Threaded guide wire 01 mm 3. Cannulated Screw Driver for head less screws 4. Drill Guide, pointed 	

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

APPROVED PVMS

Clinical Specialty	Orthopedic Surgery
Generic Name	INSTRUMENTS FOR ELASTIC TITANIUM NAILS FOR FEMUR.
Clinical Purpose	These instruments are required for elastic titanium nails for femur
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Instrument Case 2. Angled Awl 3. Wire Benders , 02 in number 4. Wire cutter for for 02mm wire 5. Wire Loader 6. Nail Cutter, heavy duty. 	

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

APPROVED PVMS

Clinical Specialty	Orthopedic Surgery
Generic Name	HAND SURGERY INSTRUMENT SET.
Clinical Purpose	These are used for doing surgery on hand
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Instrument Case 2. Charnley Suture Forceps, length 180mm, 1+2 teeth 3. Charnley Suture Forceps, length 125 mm, 1+2 teeth 4. Volkman Curette, 06 different sizes from 4.4mm to 14.5 mm 5. Stanley Boyd Bone Curette, length 130mm 6. Kern mini bone holding forceps 7. Verbrugge Bone holding Forceps, length 175mm 8. Lewin Bone Holding Forceps, length 135mm 9. Lewin Bone Holding Forceps, length 95 mm 10. Lewin Bone Holding Forceps, length 205 mm 11. Liston Bone Cutting Forceps, length 170mm, straight and curved 12. Stamm Bone Cutting Forceps , length 150mm 13. Rongeur, 150mm 14. Extraction pliers, length 180mm 15. Wire cutter , 180mm 16. Osteotomes, 06 different sizes, from 04mm to 15mm 17. Tendon Retriever, length 203mm 18. Tendon Braiding Forceps 150 mm, straight 19. Tendon Braiding Forceps, 150mm, curved 20. Stack Finger Splints, different sizes, set of 06 in each 06 sizes 21. Harrison Bone Holding Forceps, 190mm 22. Tempest/Mcfarlane hand operating table 23. Lead Hand large, 372 -310mm 24. Lead Hand small, 276-162mm 25. Tenolysis Knife 26. Tendon hook 27. Rubber Band Hooks 28. Tenolysis Double Ended Pulley Retractor 29. Dynamic Compression Bone Clamp for transverse fractures 30. Percutaneous Bone Clamp with k-wire guide 	

Clinical Specialty	Orthopedic Surgery
Generic Name	SKIN GRAFTING SURGERY INSTRUMENT SET.
Clinical Purpose	These are helpful in skin grafting
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Sterilize able Container 2. Irrigating Cannula with olive tip 3. Humby Knife 4. Skin Traction Plate 	
<p>Optional:</p> <ol style="list-style-type: none"> 1. Watson Knife 2. SKIN GRAFT MESHER <ol style="list-style-type: none"> 1. Capable of handling thin and thick grafts of any length 2. Geometrically defined cutting of skin graft 3. Efficient performance 4. Availability of different expansion ratios for flexibility 5. Keyless disassembly OR recommended design of manufacturer 	

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

Clinical Specialty	Orthopedic Surgery
Generic Name	MICROSURGICAL INSTRUMENT SET.
Clinical Purpose	These instruments are helpful in microscopic surgery like vascular repair and re-implantation of limb

TECHNICAL SPECIFICATIONS

1. Instrument Case.
2. Bipolar coagulating Forceps, stainless steel
3. Dual Ended Microsurgical Extender , 04 cm long
4. Dual Ended Microsurgical Forceps
5. Dual ended Microsurgical needle holder, straight
6. Dual ended Microsurgical needle holder, curved
7. Dual ended microsurgical straight blade scissors
8. Dual ended microsurgical curved blade scissors
9. Stainless cleaning bristle brush
10. Instrument Demagnetizer
11. McPherson Scissors curved 08 cm, 03mm thin blade
12. McPherson Scissors straight 08 cm,03mm thin blade
13. Ultra Vannas Scissors, straight 08 cm,angled on edge 04mm blade
14. Ultra Vannas Scissors, 08 cm angled on flat,04mm blade
15. Tenotomy Scissors, 09 mm right
16. Microforceps fine straight, needle point tip, 12cm
17. Microscissors ,curved 45degree, 09 cm
18. Forceps Fine Straight needle point tip0.4 mm, length11cm
19. Forceps Fine Straight, needle point tip, anticorrosive antimagnetic
20. Skin Hook Forceps, round handle
21. Skin Hook Forceps, flat handle
22. Tubing Introducing Forceps
23. Micro Grasping Forceps Straight serrated jaw 01mm, angled shaft
24. Microdissection Tungsten Needle, 19cm long , blunt tip
25. Microdissection Tungsten Needle ,35.5 cm long
26. Classic Dilator forceps 21cm round handle 08mm diameter
27. Cable Silicone for Bipolar Scissors, 10 feet long
28. Bulldog Clamps, small
29. Bulldog Clamps, medium

Clinical Specialty	Orthopedic Surgery
Generic Name	ELECTRO HYDRAULIC /ELECTRO MECHANICAL OPERATION TABLE WITH ACCESSORIES FOR ORTHOPEDIC SURGERY
Clinical Purpose	It is used in Operation Theatre for proper positioning of patient during Orthopedic surgery procedures

TECHNICAL SPECIFICATIONS

Table Top (Radiolucent) with antistatic mattress and equipped with X-ray cassette holder. Table for minimum patient safe working weight of 200 kg in normal position.

Table Top is arranged as:

- Head plate
- Back plate
- Seat plate
- Two separate leg plates.
- Base of the table stainless steel/ABS cover, 4 swivel castors

MOVEMENT:

- Position of the table should be operated Electro hydraulically / electrically
- X-ray cassette tunnel should be full length of the Table Top
- Sliding table top movement
- up and down movement height range: 750-1000mm (approx.)
- Trendelenburg/Reverse Trendelenburg 25-30⁰(approx.)
- Lateral tilt 20⁰(approx.)
- Back plate: up 60- 75⁰/down 40-50⁰(approx.)
- Leg plate: up 20⁰/down 90⁰(approx.)
- battery operation

Accessories:

- | | |
|------------------------------|---------|
| ▪ Leg traction device | 01 set |
| ▪ Upper limb traction device | 01 set |
| ▪ Arm rest with clamp | 02 each |
| ▪ Fixation strap | 02 each |
| ▪ Anesthesia screen | 01 |
| ▪ Goepel leg rest | 02 each |

▪ Large width body strap	01
▪ Adjustable bottle holder rod	01

Clinical Specialty	Orthopedic Surgery
Generic Name	MOBILE C-ARM IMAGE INTENSIFIER
Clinical Purpose	A device used to make a brighter version of an image on a photoelectric screen

TECHNICAL SPECIFICATIONS

C-arm x-ray unit mobile for radiography and fluoroscopy
 High frequency, power output of 2-3KW or more.
 40 to 110KV with one shot fluoroscopy facility of 6mA or more.
 X-ray tube with stationary anode or better
 Single/Dual focal spots of 0.6 and 1.4/1.5 mm
 Automatic fluoro dose control
 Collimator : Adjustable collimator, iris and blades diaphragms motorized with x-ray grid
 TV camera: High sensitivity, CCD camera.
 Display : Two 48cm (19”) LCD/LED monitors
 Digital video memory
 Noise reduction filter, last image hold, pulsed fluoroscopy
 Edge enhancement, image inversion to be provided
 Real time digital image rotation
 Fluoroscopy footswitch: one cassette holder 24x30cm
 Laser localizer lights cross beam type.
 System should have DICOM Compatibility
 Provision of USB Port

ACCESSORIES:
UPS: Online sine wave compatible UPS with 20 minutes backup
Protection: Lead aprons, Lead goggles, thyroid shields etc

OPTIONAL :
 Thermal Printer
 2 TB HDD for external Back Up

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

APPROVED PVMS

Clinical Specialty	Orthopedic Surgery
Generic Name	PNEUMATIC DRILL SYSTEM
Clinical Purpose	This system is operated by compressed air and used to operate power tools
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Complete Pneumatic Drill System 2. Hand piece with Variable Speed Trigger 3. Operating speed: 900RPM or better 4. One hand operation 5. “Forward / Reverse control” right on instrument base 6. Coupling connecting system 7. High Torque Reaming Coupler 8. Nitrogen Regulator Single Output 9. Air Hose 10 foot length approx. 10. Automatic wire driver for wires from 0.7 mm to 1.6 mm. 11. Automatic pin driver for wires from 1.7 mm to 3.2 mm. 12. Standard Twist Drill 1.6 x 127mm 13. Standard Twist Drill 2.0 x 127mm 14. Standard Twist Drill 2.4 x 127 mm 15. Standard Twist Drill 2.8 x 127 mm 16. Standard Twist Drill 3.2 x 127 mm 17. Standard Twist Drill 3.6 x 127 mm 18. Minor deviation in sizes is acceptable. 	

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

Clinical Specialty	Orthopedic Surgery
Generic Name	TOURNIQUET PNEUMATIC
Clinical Purpose	This system is used in limb surgery for bloodless field
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Automatic tourniquet. 2. Two gauges to show circuit pressure and cuff pressure. 3. To be easy to inflate and deflate. 4. Hand pump to allow manual inflation of the cuff in an emergency. 5. Mobile stand with a basket for cuffs 6. 12" and 18" double bladder tourniquet cuffs with velcro fittings. 	
<p>Optional:</p> <p>Pediatric sizes</p>	

APPROVED PVMS

Clinical Specialty	Orthopedic Surgery
Generic Name	ELECTRIC DRILL
Clinical Purpose	This system is operated by electric supply and used to operate power tools
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Corded electric hand piece with quick release drill attachments 2. Instrument forward reverse and oscillating mode. 3. Hand piece and all attachment should be autoclave able. 4. Control method : triggered 5. Speed : 0-1100rpm or better 6. Cannulation : 4.1mm 7. Saw type reciprocating 8. Speed :0-8000 cycle/min or better 9. Quick change attachments locking mechanism sagittal saw attachment, Burrs/Blades, Oscillating saw with separate Hand Pieces, 10. Wire and pin drive attachments. 11. K-wire driver, Reamer attachment and Drill Bit attachment. 	
Accessories:	
Sterilization Container	
Optional:	
Foot Control Switch	

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

Clinical Specialty	Orthopedic Surgery
Generic Name	BATTERY OPERATED DRILL
Clinical Purpose	This system is operated by battery and used to operate power tools
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Cordless Battery operated electric hand piece with quick release drill attachments 2. Instrument forward reverse and oscillating mode. 3. Hand piece and all attachment fully machine washable 4. Control method : triggered 5. Speed : 0-1000rpm or better 6. Cannulation : 4.1mm or better 7. Saw type reciprocating 8. Speed :6500 - cycle/min or better 9. Sagittal Saw/Oscillating saw: 10. Speed :0-11000 cycle/min or better 11. Quick change attachments locking mechanism sagittal saw attachment, Burrs/Blades, Oscillating saw with separate Hand Pieces, 12. Wire and pin drive attachments. 13. K-wire driver, Reamer attachment and Drill Bit attachment. 	
Accessories:	
Sterilization Container	
Optional:	
Foot Control Switch Extra Battery (The end-user will ensure the functioning of main and extra battery on regular basis)	

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

Clinical Specialty	Orthopedic Surgery
Generic Name	PNEUMATIC DERMATOME
Clinical Purpose	This device is used to harvest skin graft
TECHNICAL SPECIFICATIONS	
<p>High speed cutting vibration free Skin grafts from 0.05 mm to 1.00 mm are adjustable in 0.1 mm increments. Approximate graft widths of 73 mm, 48 mm and 23 mm. Operating Speed range 2000-14000 rpm. Adjustable or more Complete with Foot Switch, Hose, Regulator etc.</p>	

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

APPROVED PVMS

Clinical Specialty	Orthopedic Surgery
Generic Name	ELECTRIC DERMATOME
Clinical Purpose	This device is used to harvest skin graft
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. Electric Control Unit 2. Flexible connecting cable for dermatome 3. Foot pedal / Hand Control 4. Micro Dermatome Hand piece 5. Cutting width keyless adjustable 6. Thickness adjustable with the graduation of 1/2mm Increment. 7. Cutting thickness 0.5-1.5mm 8. Cutting width max. 70mm-100mm 9. Accessories: 10. Main power cord 5m long 11. Dermatome Blades box of 10 12. Calibration guide 	
Accessories:	
Sterilization Container	

Clinical Specialty	Orthopedic Surgery
Generic Name	POP CUTTER
Clinical Purpose	This device is used for cutting of plaster cast
TECHNICAL SPECIFICATIONS	
<ol style="list-style-type: none"> 1. The micro filter retains 99.997% of all dust Particles 2. High oscillating speed 16000 CPM or better 3. Low oscillating speed 6500 CPM or better 4. Sound level : 70 dB(A) or better 5. Filtration 99.9% 6. Sound level : 70 dB(A) or better 	
<p>Accessories:</p> <p>Saw blade 65mm approx. Saw blade 50mm approx.</p>	
<p>Optional:</p> <ul style="list-style-type: none"> • Vacuum Dust bags for waste collection. 	

Clinical Specialty	Orthopedic Surgery
Generic Name	BONE SCALPEL
Clinical Purpose	This device is used for removal of bones in pieces
TECHNICAL SPECIFICATIONS	
<p>Unit for ultrasonic bone scalping having 22-24 KHz 1,300,000 or more strokes per minute Complete with foot switch, probe covers, cart and wrench set. Irrigation tubing sets Tips for hard tissue removal Bone Scalpel – 10mm, Blunt includes 10mm blade and short extension Bone Scalpel – 10mm, Blunt, Long Curved includes 10mm blade, long curved extension, and silicone sleeve Bone Scalpel – 10mm, Blunt, Long Straight includes 10mm blade, long straight extension and silicone sleeve Bone Scalpel – 20mm, Blunt includes 20mm blade and short extension Bone Scalpel – 20mm, Unilateral Serrations includes blade, short extension and silicone sleeve</p>	

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Clinical Specialty	Orthopedic Surgery
Generic Name	SCREW REMOVAL SET
Clinical Purpose	This set is used to remove the screws
TECHNICAL SPECIFICATIONS	
<p>Hollow Reamer , complete, for 3.5mm cortex, 3.5mm cannulated and 4.0 mm cancellous Bone screws Spare Reamer Tube, for Hollow Reamer Extraction Bolt, for 3.5mm cortex, 3.5mm cannulated and 4.0 mm cancellous Bone screws Hollow Reamer , complete, for 6.5mm cancellous Bone and 7.0mm Cannulated screws Spare Reamer Tube, for Hollow Reamer Extraction bolt, for 6.5mm cancellous Bone and 7.0mm Cannulated screws Spare Reamer Tube, for Hollow Reamer Extraction bolt, for 1.5mm screws Hollow Reamer, complete, for 1.5mm screws Spare Reamer Tube, for Hollow Reamer Extraction bolt, for 2.0mm screws Hollow Reamer, complete, for 2.0mm screws Hollow Reamer, complete, for 2.7mm screws Spare Reamer Tube, for Hollow Reamer Extraction bolt, for 2.7mm screws Hollow Reamer, complete, for 4.5mm screws Spare Reamer Tube, for Hollow Reamer Extraction bolt, for 4.5mm screws Conical extraction Device, for Threaded washers Conical extraction screw, for 1.5mm and 2.0mm Cortex Screws Conical extraction screw, for 2.7mm and 3.5mm Cortex Screws Conical extraction screw, for large screws and 4.9mm bolts Countersink, for 3.5mm cortex and 4.0mm Cancellous Bone Screws Countersink, for 4.5mm cortex and 6.5mm Cancellous Bone Screws Handle with mini quick coupling T-handle with quick coupling Solid Hexagonal Screwdriver, with 4.0mm hex for removal of 6.5mm and 7.3mm cannulated screws 1.0mm Cruciform Screwdriver Shaft, self-retaining</p>	

1.3mm Cruciform Screwdriver Shaft, self-retaining

1.5mm/2.0mm Cruciform Screwdriver Shaft, self-retaining

Small Hexagonal Screwdriver Shaft, for 2.7mm, 3.5mm Cortex and 4.0mm Cancellous Bone screws and removal of 3.5mm Cannulated Screws and 3.9mm Locking Bolts, quick coupling

StarDrive Screwdriver Shaft , self retaining, T15, quick coupling

Large Hexagonal Screwdriver with T-handle, for 4.5mm Cortex, 6.5mm Cancellous Bone screws, 4.5mm and 7.0mm Cannulated Screws and 4.9mm Locking Bolts

Large Hexagonal Screwdriver shaft, for 4.5mm Cortex, 6.5mm Cancellous Bone screws and removal of 4.5mm and 7.0mm Cannulated Screws and 4.9mm Locking Bolts , quick coupling

Cannulated driver for Threaded washers

Solid Cruciform shaft, for 3.0mm Cannulated screws

Sharp Hook

Conical Extraction Screw

Forceps for broken screw removal

Hollow Gouge for broken screw exposure, 205mm length

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Clinical Specialty	Orthopedic Surgery
Generic Name	ACL INSTRUMENT SET
Clinical Purpose	This is used for open reconstruction of ACL
TECHNICAL SPECIFICATIONS	
<p>Cannulated drill bit 6mm</p> <p>Cannulated drill bit 7mm</p> <p>Cannulated drill bit 8mm</p> <p>Cannulated drill bit 9mm</p> <p>Cannulated drill bit 10mm</p> <p>Cannulated headed reamer, 4.5mm</p> <p>Cannulated headed reamer, 6 mm</p> <p>Cannulated headed reamer, 7 mm</p> <p>Cannulated headed reamer, 8 mm</p> <p>Cannulated headed reamer, 9 mm</p> <p>Cannulated headed reamer, 10 mm</p> <p>Femoral drill guide, 5mm offset</p> <p>Femoral drill guide, 6mm offset</p> <p>Femoral drill guide, 7mm offset</p> <p>Drill guide arm, Drill guide pin sleeve</p> <p>Tibial pin marking hook, 55⁰</p> <p>Tendon stripper, 7mm</p> <p>Femoral depth gauge</p> <p>Graft preparation station base</p> <p>Soft tissue clamp adjustable</p> <p>Graft sizer</p> <p>Jacobs chuck handle</p> <p>Key for Jacobs chuck handle</p> <p>Hexagonal screwdriver</p> <p>Rapid Notcher</p> <p>ACL instrument tray</p>	

ACL instrument set and tray (Complete set)
ACCESSORIES: Guide wire 38 cm Drill guide pin w/o eyelet 2.5mm x 25 cm Drill guide pin w/eyelet 2.5mm x 38 cm

Clinical Specialty	Orthopedic Surgery
Generic Name	INSTRUMENT SET FOR CANNULATED SCREWS (LARGE CANNULATED CANCELLOUS INSTRUMENT SET)
Clinical Purpose	This set is used to apply Cannulated screws
TECHNICAL SPECIFICATIONS	
Cannulated drill bit 4.5mm Cannulated taps Protection sleeve 4.5mm dia Parallel wire guide Direct measuring device Threaded guide wire 2mm dia Large Cannulated hexagonal screw driver Stylet 2mm SS Box with 2 tray	
OPTIONAL	
Drill bit 2mm dia for quick coupling length 100mm Counter sink Cannulated length 230mm Parallel drill guide 4.5mm Trocar 2mm dia length 118mm Drill sleeve 4.5/2.0 mm length 109mm Drill sleeve 8/4.5 mm length 100mm Protection sleeve 11.0/8.0mm	

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

Clinical Specialty	Orthopedic Surgery
Generic Name	T-REAMER SET RIGID TYPE NON-CANNULATED
Clinical Purpose	It is used to ream the intramedullary Canal for long bones
TECHNICAL SPECIFICATIONS	
Reamer set Rigid type with T-Handle with diameter 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm & 16mm	

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

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Clinical Specialty	Orthopedic Surgery
Generic Name	MAGNIFYING OPERATING LOOPS
Clinical Purpose	Use in fine surgery especially surgery on nerves, tendons and small vessels.
TECHNICAL SPECIFICATIONS	
<p><u>TYPE A</u> Binocular alilean loupes with fatigueless view. Magnification: 2.5x – 3.0x Working distance: 550-300 mm. Field of view: 115-70 mm. Titanium or sport frame designed specifically to use with loupes in different colors.</p> <p><u>TYPE B</u> Binocular prismatic loupes with fatigueless view. Magnification: 4.0x – 4.5x Working distance: 550-400 mm. Field of view: 95-65 mm. Titanium or sport frame or head band system designed. Specifically to use with loupes in different colors.</p> <p><u>TYPE C</u> Binocular prismatic loupes with fatigueless view. Magnification: 5.5x – 6.0x Working distance: 550-350 mm. Field of view: 60-40 mm. Titanium or sport frame or head band designed Specifically to use with loupes in different colors.</p>	
<p>Accessories:</p> <ul style="list-style-type: none"> • Storage case • Magnification loupes and frame (incase of spectral frame) • Flip paddle • Protective lens cap • Protective shield • Screw driver • Cleaning cloth • Head strap • User Mannual 	

Clinical Specialty	Orthopedic Surgery
Generic Name	AMPUTATION SET
Clinical Purpose	It is used to amputate the limb
TECHNICAL SPECIFICATIONS	
<p>Large size bone set</p> <p>Small size bone set</p> <p>Amputating knife bone set</p> <p>Bone foil bone set</p> <p>Tissue protector bone set</p> <p>Bone rasp bone set</p> <p>Details to be define by the end user</p>	

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

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Clinical Specialty	Orthopedic Surgery
Generic Name	INSTRUMENT SET FOR AO EXTERNAL FIXATOR
Clinical Purpose	It is used to apply AO external fixator
TECHNICAL SPECIFICATIONS	
<p>TRIPLE TROCAR</p> <p>Trocar 3.5mm</p> <p>Rill sleeve 3.5mm</p> <p>Drill sleeve 5mm</p> <p>Drill Bit</p> <p>3.5mm diameter</p> <p>4.5mm diameter</p> <p>Open compressor/distracter</p> <p>Socket wrench</p> <p>Combination wrench</p> <p>Universal chuck with T-handle</p>	

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Clinical Specialty	Orthopedic Surgery
Generic Name	SIMULATOR FOR ORTHOSCOPY
Clinical Purpose	Fundamentals of orthroscopy surgery training Orthoscopy basic skills
TECHNICAL SPECIFICATIONS	
<p>The generalized specifications of Simulators to be prepared by the end-user. The end-user shall certify the generalization of specifications and get it approved from the concerned committee and competent authority before the process of procurement.</p>	

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