

PVMS OF ORTHOPAEDIC

DRAFT

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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

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.
4. Double drill sleeve4.5/3.2.
5. Insert Drill Sleeve4.5/3.2 length 80mm.
6. Double Drill Sleeve6.5/3.2.
7. Screwdriver Shaft , hexagonal, large, length 100mm.
8. Screwdriver , hexagonal, large with groove, length 240mm.
9. Holding Sleeve, large , length 120mm.
10. Depth gauge for 4.5-6.5 mm screws.
11. Sharp Hook length 155mm.
12. Tension Device articulated.
13. Combination Wrench 11 mm, L 140 mm.
14. DCP Drill Sleeve 4.5mm.
15. LC-DCP Drill Sleeve4.5mm.
16. Universal Drill Sleeve 4.5mm.
17. Bending Template for [DCP@4.5](#) and LC-DCP 4.5, length 120 mm.
- 18 . Ratchet Wrench11 mm, length 140 mm.
19. Bone Holding Forceps , self centering, with soft lock length 239 mm.
20. Bone Holding Forceps ,self centering , with soft lock length258 mm.
21. Bone Holding Forceps, self centering, 277 mm.
22. Reduction Forceps ,serrated jaw with soft lock, length 250 mm.
23. Bone Spreader, blade width 12 mm with soft lock.

Accessories:

Nil

Optional (If any):

Nil

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

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 ,8.0mm dia, 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, length150 mm,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 , length220mm.
- 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
Optional (If any): Nil

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

- 1 Instrument Case / Sterilizing Tray.
- 2 Guide Wire 2.0mm dia , 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.

Accessories:

Optional (If any):

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, length 165mm. 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, length 110mm. 13. Tap for 4.0mm Cancellous bone Screw. 14. T-Handle with quick coupling, length 80 mm. 15. Double Drill Sleeve 3.5/2.5. 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 Sleeve 3.5 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, softlock. 33. Bone Holding Forceps, self-centering, length 191 mm, softlock. 34. Retractor, small, 8mm wide, short narrow tip, length 160mm. 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. 	

Accessories:	-----
Optional (If any):	-----

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.
3. Drill Sleeve, 2.8mm.
4. Depth Guage for Locking Screws.
5. Drill Bit 2.5mm.
6. Bending Iron Left.
7. Tap for Cortex Screw, 3.5mm.
8. Torque indicating Screwdriver, 1.5 Nm.
9. Screwdriver Hexagonal, 2.5mm.
10. Holding Sleeve.
11. Double Drill Guide 2.5/3.5.
12. Extraction Screw for Screws.
13. Broken Screw Extractor.
14. T-Handle with quick coupling.
15. Screw Forceps , self holding.
16. Drill Sleeve for Guide Wire, 1.5mm, short.
17. Screwdriver shaft ,hexagonal, 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.
25. Holding Sleeve for torque indicating screwdriver.

Accessories:	-----
Optional (If any):	-----

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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

1. Instrument Case.
2. Aiming Device.
3. LCP Drill Sleeve 3.5. 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.

Accessories:

Optional (If any):

Clinical Specialty	Orthopedic Surgery
Generic Name	LARGE FRAGMENT INSTRUMENT SET.
Clinical Purpose	Fixation of long bones with plates and screws

TECHNICAL SPECIFICATIONS

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.

<ul style="list-style-type: none"> 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.
<p>Accessories:</p> <p style="text-align: center;">-----</p>
<p>Optional (If any):</p> <p style="text-align: center;">-----</p>

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
<ul style="list-style-type: none"> 1 . Instrument Case. 2. Drill Bit 4.3mm. 3. Drill Sleeve for 4.3 mm drill bit. 4. Depth Guage, 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.

<ul style="list-style-type: none"> 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 21. Periosteal Elevator, straight. 22. Bone Lever Small. 23. Bone Lever, big.
<p>Accessories:</p> <p style="text-align: center;">-----</p>
<p>Optional (If any):</p> <p style="text-align: center;">-----</p>

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
<ul 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.
Accessories: -----
Optional (If any): -----

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.
Accessories: -----
Optional (If any): -----

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

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. Caliberating Pin
25. Locking Screw 2 for Aiming Arm
26. Hammer
27. Protection Sleeve , for Caliberating 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 caliberating pin
- 35. Trocar ,for outer protection sleeve, for caliberating 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.

Accessories:

Optional (If any):

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

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

Accessories:

Optional (If any):

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

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

Accessories:

Optional (If any):

Clinical Specialty	Orthopedic Surgery
Generic Name	UNIVERSAL TIBIAL NAIL.
Clinical Purpose	It helps in fixation of shaft of tibia with tibial nail

TECHNICAL SPECIFICATIONS

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. Distel 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. Caliberating 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 Caliberating 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 caliberating pin
39. Trocar for Outer Protection Sleeve, for Caliberating pin
40. Drill Guide for Guide Wire
41. Connecting Screw for inserter-extractor
42. Screwdriver, hexagonal, with universal joint

Accessories:

Optional (If any):

Clinical Specialty	Orthopedic Surgery
Generic Name	UNIVERSAL SPINE INSTRUMENT SET.
Clinical Purpose	These are General instruments for fixation of vertebral fractures

TECHNICAL SPECIFICATIONS

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 Screws 6.0mm
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 Transconnector
32. Wrench for Transconnector 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
Accessories: -----
Optional (If any): -----

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
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
Accessories:

Optional (If any):

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

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

Accessories:

Optional (If any):

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

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 Transconnector
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 Transconnector
22. Instrument Case

Accessories:

Optional (If any):

Clinical Specialty	Orthopedic Surgery
Generic Name	GENERAL INSTRUMENTS.
Clinical Purpose	These are required for every orthopedic procedures

TECHNICAL SPECIFICATIONS

1. Hand Drill
2. Bone Levers

- 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
3. Muscle Retractors
- a). width 23mm , length 40mm
 - b). Width 23mm, length 80mm
 - c). Width 23 mm, length 140mm
 - d) . width 23 mm, length 160mm
4. Universal Chuk with T-Handle, cannulated
5. Bone Forceps
- 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
 - j). Reduction Forceps with points, length 222mm
 - k). Bone Spreader, blade width 5mm, length 144mm
 - l) Bone Spreader, Blade width 12mm, length 260mm
 - m). Fibular Forceps
 - n). Periarticular Reduction Forceps, small and large
6. Periosteal Elevator, 13mm wide , length 200mm
7. Periosteal Elevator, curved shaft, length 200mm
- 1 Hammer, weight 100 g, 350 g
 - 2 Chisel handle
 - 3 Chisel Blades 05 sizes
 - 4 Gouges , 06 different sizes
 - 5 Osteotomes , 06 different sizes
 - 6 Bone Hook , sharp, small
 - 7 Bone Hook , sharp, large
 - 8 Triple Drill Guide
 - 9 Wire Passer
 - 10 Wire tightener
 - 11 Cerclage Wire Tightener
 - 12 Forceps for twisting wires, long
 - 13 Forceps for twisting wires , small
 - 14 Holding forceps for cerclage wires
 - 15 Wire Bending Pliers

16	Parallel Pliers , flat nosed
17	Vice Grip
18	Wire Cutter , small
19	Wire Cutter , large
20	Wire cutter , long
21	Wire Cutter , short
22	Bending Iron for Kirchner Wires
23	Hand Chuck for Kirchner wires
24	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
32.	Bone Cutting Forceps
33.	Bone Rongeurs, Nibblers, straight, 18, 19, 20cm in length
34.	Bone Rongeurs, curved, 18 and 20 cm in length
35.	Bone Skid
36.	Amputation Saw
37.	Plaster Saw
38.	Plaster Spreader
39.	Goniometer
40.	Vernier Caliper
41.	Bone Reamers for Austin More Prosthesis, small and large
42.	Box Osteotome
43.	Gigli saw
44.	Bending Irons for DCP, large
45.	Bending Iron for DCP , small
46.	Intramedullary Bone Saw includes
	a) Bone Saw Assembly.
	b) Blades.
	c) Cams
	d) Chisels
	e) Sterilization Case.
Accessories: -----	
Optional (If any): -----	

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
<p>Accessories:</p> <p>-----</p>
<p>Optional (If any):</p> <p>-----</p>

Clinical Specialty	Orthopedic Surgery
Generic Name	LARGE BONE POWER PRODUCTS.
Clinical Purpose	These are required to operate power tools during surgery

TECHNICAL SPECIFICATIONS

HANDPIECES

1. Battery Modular Hand Piece, maximum variable speed 950 to 1250 rpm.
2. Battery Trigger Full Function Hand Piece, maximum variable speed 950 to 1250rpm
3. Battery Modular Standard Hand piece, maximum variable speed 950 to 1250 rpm
4. Battery Oscillator Hand piece, maximum variable speed 11500cpm
5. Battery Reciprocator Hand piece, maximum variable speed 14500 cpm
6. Electric Modular Hand piece, variable Speed 0-1275rpm
7. Two-Trigger Hand piece, variable speed 0-750rpm
8. Electric Oscillator Handpiece, maximum variable speed 11000rpm
9. Electric Reciprocator Hand piece, variable speed 0-14500cpm

ATTACHMENTS.

10. Battery Pin Driver Attachment for pins of 1.5 to 4.0 mm
11. Battery Wire Driver Attachment for wires 0.7 to 1.5mm
12. Electric Pin Driver for pin of 2.0-3.2mm
13. Electric Wire Driver for wires of 0.7 to 1.5 mm
14. Pin Driver Attachment for pins from 1.5-4.0mm
15. Wire Driver Attachment for wires from 0.7 to 1.5mm
16. Jacob Chuck 6.25mm 5.1mm cannulated
17. Keyless Chuck 6.25mm, 4.1mm cannulated.
18. Keyless Chuck 3.0mm, 2.0mm cannulation
19. Jacob Chuck 6.0mm, 3.9mm cannulation
20. Trinkle/AO, 3.5mm cannulation
21. Zimmer/Hudson Drill 4.2mm Cannulation
22. Standard Hudson Drill, 4.2mm cannulation
23. AO Drill, 5.1mm cannulation
24. AO Reamer, stain less steel, 5.1 mm cannulation
25. High Torque Jacobs Chuck 6.25mm, 5.1 mm cannulation
26. Aesculap Reamer, stain less steel, 5.1 mm cannulation
27. Zimmer/Hudson Reamer 5:1, stain less steel, 4.2 mm cannulation
28. AO/ASIF Reamer 5:1 stainless steel, 4.0mm cannulation
29. Standard Hudson Reamer 5:1 stain less steel, 4.0 mm cannulation.
30. 5:1 Aesculap Reamer stain less steel, 4.0mm cannulation
31. 5:1 High Torque Jacobs Chuck stain less steel, 4.0 mm cannulation.
32. Reciprocating Saw stain less steel, cutting stroke; 3.2mm 4.0 mm cannulation
33. Sagittal Saw stainless steel, blade oscillation: 15,800 cpm, stroke 4 degree arc.
34. Battery Charger
35. Sterilization case
36. Large Battery
37. Small Battery
38. Sterile Transfer Battery
39. Sterile Transfer Battery Case
40. Sterile transfer shroud
41. Sterile Transfer Platform
42. SureCharge Case
43. SureCharge Filter Paper
44. Charge Adapter for Versipower Plus Batteries
45. Battery for Versipower Plus
46. Battery Rack for Versipower Plus Battery
47. Battery for Versipower Handpiece(old Style)
48. Jacobs Chuck Key 6.25mm
49. Jacobs Chuck Key 4.0mm
50. AC Power Cord 06 feet length.
51. Accessory Cord for battery charger
52. Electric hand piece cord, non sterile
53. Oscillator Wrench
54. Torque Control Handle
55. Automatic Screwdriver with trinkle fittings.

- a) screwdriver with choice of one Bit
- b). Slotted Bit.
- c) Cruciate Bit.
- d) Screwdriver with Hex Bit
- e) HexBit

SAW BLADES

- 1. Large Bone Oscillating Saw Blades, 05 different sizes
- 2. Large Bone Sagittal Saw Blades, 05 different Sizes
- 3. Large Bone Reciprocating Saw Blades, 05 different sizes.
- 4. Large Bone ACL Blades , 05 different sizes
- 5. Large Bone Burs, 05 different sizes.

PNEUMATIC SERIES.

- 1. Drill Reamer, Pneumatic, Stainless steel, with all attachments. Speed. a). Drill 750 rpm, Ream 250 rpm, screw 250 rpm.
- 2. Oscillating Saw, Pneumatic, Stainless Steel with all attachments, operating 14,000cpm.
- 3. Reciprocating Saw, pneumatic ,Stainless Steel, with all attachments, operating 17,000
- 4. Trauma Drill, Pneumatic, stainless steel. Speed , a) Drill 750 rpm ,b)Screw 250 rpm

Accessories: LARGE BONE REVISION PRODUCTS.

- 1. Cebotome Revision Drill Kit
- 2. Cebotome Metal Cutting Wheel Kit
- 3. Cebotome Metal Cutting Bur Kit
- 4. Burs ,side cutting, fluted
- 5. Burs, round cutting, fluted
- 6. Burs ,Barrel cutting, fluted
- 7. Burs, contoured cutting, fluted

Optional (If any):

Clinical Specialty	Orthopedic Surgery
Generic Name	ARTHROSCOPY PRODUCTS.
Clinical Purpose	These instruments help in arthroscopic surgery

TECHNICAL SPECIFICATIONS

- 1. Hopkins Telescopes, diameter 04 mm, length 12 to 18 cm , autoclavable, fiber optic light transmission incorporated
 - 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

- 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.
- 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.
- 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.
- 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.
- 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
- 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 SUTURE SET.

- 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
- 2. High Definition 3CCD Camera Head- Eyecup
- 3. High Definition 3CCD Camera Head-Cartridge
- 4. Digital Colour LCD Monitor
- 5. 300 Watt Xenon Light Source with Attachments and Cables.
- 6. Small Joint Scopes and Sheath Systems
- 7 . 1.9mm Autoclavable Scopes, 0 degree and 30 degrees
- 8 . Sheath System for 1.9 mm Scopes
- 9 . 2.5 mm Autoclavable Scopes, 0 degree , 30 degrees, 70 degrees
- 10 . Sheath System for 2.5 mm scopes
- 11 . Suction and Irrigation System with mains cord , connecting cable
- 12 . Powershaver with mains Cord, two pedal footswitch , SCB Connecting Cable
- 13 . Shaver Blades in 06 different shapes
- 14 . Multi speciality Video Cart

Optional (If any):

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

- 1. Dynametric Wire Tensioner , 02 in number

<ol style="list-style-type: none"> 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.
<p>Accessories:</p> <p style="text-align: center;">-----</p>
<p>Optional (If any):</p> <p style="text-align: center;">-----</p>

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 	
<p>Accessories:</p> <p style="text-align: center;">-----</p>	
<p>Optional (If any):</p> <p style="text-align: center;">-----</p>	

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. 	
Accessories: -----	
Optional (If any): -----	

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. Volkmann 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 to15mm
- 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 06in 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

Accessories:

Optional (If any):

Clinical Specialty	Orthopedic Surgery
Generic Name	SKIN GRAFTING SURGERY INSTRUMENT SET.
Clinical Purpose	These are helpful in skin grafting

TECHNICAL SPECIFICATIONS

- 1. Sterilizable Container
- 2. Irrigating Cannula with olive tip
- 3. Humby Knife
- 4. Skin Traction Plate
- 5. Dermatome
- 6. Skin Graft Mesher

Accessories:

Optional (If any):

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. Operating Microscope
3. Magnifying loops
4. Bipolar coagulating Forceps, stainless steel
5. Dual Ended Microsurgical Extender , 04 cm long
6. Dual Ended Microsurgical Forceps
7. Dual ended Microsurgical needle holder, straight
8. Dual ended Microsurgical needle holder, curved
9. Dual ended microsurgical straight blade scissors
10. Dual ended microsurgical curved blade scissors
11. Stainless cleaning bristle brush
12. Instrument Demagnetizer
13. McPherson Scissors curved 08 cm, 03mm thin blade
14. McPherson Scissors straight 08 cm, 03mm thin blade
15. Ultra Vannas Scissors, straight 08 cm, angled on edge 04mm blade
16. Ultra Vannas Scissors, 08 cm angled on flat, 04mm blade
17. Tenotomy Scissors, 09 mm right
18. Microforceps fine straight, needle point tip, 12cm
19. Microscissors , curved 45degree, 09 cm
20. Forceps Fine Straight needle point tip 0.4 mm, length 11cm
21. Forceps Fine Straight, needle point tip, anti corrosive antimagnetic
22. Skin Hook Forceps, round handle
23. Skin Hook Forceps, flat handle
24. Tubing Introducing Forceps
25. Micro Grasping Forceps Straight serrated jaw 01mm, angled shaft
26. Microdissection Tungston Needle, 19cm long , blunt tip
27. Microdissection Tungston Needle , 35.5 cm long
28. Classic Dilator forceps 21cm round handle 08mm diameter
29. Cable Silicone for Bipolar Scissors, 10 feet long
30. Bulldog Clamps, small
31. Bulldog Clamps, medium

Accessories:

Optional (If any):

Clinical Specialty	Orthopedic Surgery
Generic Name	Electro Hydraulic 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 160 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 cover, 4 swivel castors

MOVEMENT:

- Position of the table should be operated hydraulically / electrically
- X-ray cassette tunnel should be full length of the Table Top
- Sliding table top movement
- up and down movement height range: 700-1000mm (approx)
- Trendelenburg/Reverse Trendelenburg 25-30° (approx)
- lateral tilt 20° (approx)
- Back plate: up 75°/down 40-50° (approx)
- Leg plate: up 20°/down 90° (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

Optional (If any):

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	
<p>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 1.5 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/TFT 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.</p>	
ACCESSORIES:	
UPS: Online sine wave compatible UPS with 20 minutes backup	
Protection: Lead aprons, Lead goggles, thyroid shields etc	
Optional (If any):	

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	
<ul style="list-style-type: none"> • Complete Pneumatic Drill System • Hand piece with Variable Speed Trigger • Operating speed: 1,600 RPM. Or better Torque 135 in. oz • One hand operation 	

- “Forward / Reverse control” right on instrument base
- 5/32” Jacobs coupler Quick coupling connecting system
- 1/4” Jacobs High Torque Reaming Coupler
- Nitrogen Regulator Single Output
- Air Hose 10 foot length
- Automatic wire driver for wires from 0.7 mm to 1.6 mm.
- Operating speed: 1,400 RPM
- Automatic pin driver for wires from 1.7 mm to 3.2 mm.
- Operating speed: 1,400 RPM
- Standard Twist Drill 1.6 x 127mm
- Standard Twist Drill 2.0 x 127mm
- Standard Twist Drill 2.4 x 127 mm
- Standard Twist Drill 2.8 x 127 mm
- Standard Twist Drill 3.2 x 127 mm
- Standard Twist Drill 3.6 x 127 mm
- Minor deviation in sizes is acceptable.

Accessories:

Optional (If any):

Clinical Specialty	Orthopedic Surgery
Generic Name	Tourniquet Pneumatic
Clinical Purpose	This system is used in limb surgery for bloodless field

TECHNICAL SPECIFICATIONS

- Automatic tourniquet.
- Two gauges to show circuit pressure and cuff pressure.
- To be easy to inflate and deflate.
- Hand pump to allow manual inflation of the cuff in an emergency.
- Mobile stand with a basket for cuffs
- 12" and 18" double bladder tourniquet cuffs with velcro fittings.

Accessories:

Pediatric sizes

Optional (If any):

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

- Corded electric hand piece with quick release drill attachments
- Instrument forward reverse and oscillating mode.
- Hand piece and all attachment fully machine washable
- Control method : triggered
- Speed : 0-1100rpm or better
- Cannulation : 4.1mm
- saw type reciprocating
- Speed :0-8000 cycle/min or better
- Small footprint ,irrigation pump head , quick change attachments locking mechanism sagittal saw attachments wire and pin drive attachments

Accessories:

Optional (If any):

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

- Cordless Battery operated electric hand piece with quick release drill attachments
- Instrument forward reverse and oscillating mode.
- Hand piece and all attachment fully machine washable
- Control method : triggered
- Speed : 0-1100rpm or better
- Cannulation : 4.1mm
- saw type reciprocating
- Speed :0-8000 cycle/min or better
- sagittal Saw:
- Speed :0-14000 cycle/min or better
- Small footprint ,irrigation pump head , quick change attachments locking mechanism sagittal saw attachments wire and pin drive attachments

Accessories:

Optional (If any):

Clinical Specialty	Orthopedic Surgery
Generic Name	Pneumatic Dermatome
Clinical Purpose	This device is used to harvest skin graft

TECHNICAL SPECIFICATIONS

Smooth high speed cutting action ensures an almost effortless and vibration free procedure.
 Cut thicknesses are easily selected and constantly maintained using the calibrated depth gauge.
 Skin grafts from 0.05 mm to 1.00 mm are adjustable in 0.1 mm increments.

Accurately controlled graft widths of 73 mm, 48 mm and 23 mm are readily achieved by

fitting the appropriate easy-fit soleplate. Operating Speed range 2000-14000 rpm Adjustable or more. Complete with Foot Switch, Hose, Regulator etc.
Accessories: -----
Optional (If any): -----

Clinical Specialty	Orthopedic Surgery
Generic Name	Electric Dermatome
Clinical Purpose	This device is used to harvest skin graft

TECHNICAL SPECIFICATIONS
<ul style="list-style-type: none"> • Electric Control Unit • Flexible connecting cable for dermatome • Waterproof foot pedal • Micro Dermatome Hand piece • Cutting width keyless adjustable • Thickness adjustable 1/10mm steps • Cutting thickness 0.5-1.5mm • Cutting width max. 70mm • Accessories: • Main power cord 5m long • Dermatome Blades box of 10 • Calibration guide
Accessories: -----
Optional (If any): -----

Clinical Specialty	Orthopedic Surgery
Generic Name	POP Cutter
Clinical Purpose	This device is used for cutting of plaster cast
TECHNICAL SPECIFICATIONS	
<ul style="list-style-type: none"> • The filtration system consisting of an easy to change disposable collection Bag, two cloth filters and a micro filter. • The micro filter retains 99.997% of all dust Particles • Suction can be switched between powerful 'high' and quiet 'low' setting to Suit operator and patient convenience. • Hand piece Specification • High oscillating speed 16000cpm or better • Low oscillating speed 11800 cpm or better • Sound level : 70 dB(A) or better • Extractor Specification Motor power (max.) 1 kW or better • Filtration 99.997% • Dust bag capacity 7-9 liters or better • Sound level : 70 dB(A) or better 	
Accessories:	

Optional (If any):	

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 or 1,300,000 or more strokes per minute</p> <p>Complete with foot switch, probe covers, cart and wrench set.</p> <p>Irrigation tubing sets</p> <p>Tips for hard tissue removal</p> <p>Bone Scalpel – 10mm, Blunt includes 10mm blade and short extension</p> <p>Bone Scalpel – 10mm, Blunt, Long Curved includes 10mm blade, long curved extension, and silicone sleeve</p> <p>Bone Scalpel – 10mm, Blunt, Long Straight includes 10mm blade, long straight extension and silicone sleeve</p>	

Bone Scalpel – 20mm, Blunt includes 20mm blade and short extension Bone Scalpel – 20mm, Unilateral Serrations includes blade, short extension and silicone sleeve
Accessories: -----
Optional (If any): -----

Clinical Specialty	Orthopedic Surgery
Generic Name	Screw Removal set
Clinical Purpose	This set is used to remove the screws

TECHNICAL SPECIFICATIONS

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

<p>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 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</p>
<p>Accessories: -----</p>
<p>Optional (If any): -----</p>

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 Cannulated drill bit 7mm Cannulated drill bit 8mm Cannulated drill bit 9mm Cannulated drill bit 10mm Cannulated headed reamer, 4.5mm Cannulated headed reamer, 6 mm Cannulated headed reamer, 7 mm Cannulated headed reamer, 8 mm</p>

Cannulated headed reamer, 9 mm Cannulated headed reamer, 10 mm Femoral drill guide, 5mm offset Femoral drill guide, 6mm offset Femoral drill guide, 7mm offset Drill guide arm Drill guide pin sleeve Tibial pin marking hook, 55° Tendon stripper, 7mm Femoral depth gauge Graft preparation station base Soft tissue clamp adjustable Graft sizer Jacobs chuck handle Key for Jacobs chuck handle Hexagonal screwdriver Rapid Notcher ACL instrument tray 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
Optional (If any): -----

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

Accessories: -----
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

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	
Accessories: -----	
OPTIONAL -----	

Clinical Specialty	Orthopedic Surgery
Generic Name	Magnifying Operating Loops
Clinical Purpose	This device is used in microsurgical procedures to magnify the structure
TECHNICAL SPECIFICATIONS	
Operating loops 04x with panoramic view Magnification ranging from 2.5 to 6 times	

Accessories:	-----
OPTIONAL	-----

Clinical Specialty	Orthopedic Surgery
Generic Name	Amputation set
Clinical Purpose	It is used to amputate the limb

TECHNICAL SPECIFICATIONS	
<p>Large size Small size Amputating knife Bone foil Tissue protector Bone rasp</p>	
Accessories:	-----
OPTIONAL	-----

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 Trocar 3.5mm Rill sleeve 3.5mm Drill sleeve 5mm Drill bit</p>	

3.5mm diameter 4.5mm diameter Open compressor/distracter Socket wrench Combination wrench Universal chuck with T-handle
Accessories: -----
OPTIONAL -----

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