

Dr Baba Saheb Ambedkar Hospital
(Govt of NCT of Delhi)
Sector-6, Rohini, Delhi – 110085

Hospital Open Tender – List of Items (Orthopedics)

Tender ID – 2017_BSAH_130983_7

Sl.No.	NON-CONSUMABLE ITEMS (STAINLESS STEEL)	Unit	Quantity *
1	T Handle with chuck & key	Each Unit	5
2	T Handle for k-wire introduction (universal T-Handle with chuck)	Each Unit	5
3	Bone holding reduction forceps for forearm bones, serrated jaw & self locking	Each Unit	6
4	Bone plate holding forceps for forearm bones, self locking	Each Unit	6
5	Bone lever for forearm bones	Each Unit	4
6	Bone lever for femur & tibia	Each Unit	4
7	Bone holding reduction forceps for femur & tibia, serrated jaw & speed lock	Each Unit	6
8	Bone plate holding forceps for femur & tibia, self centring & graded locking	Each Unit	6
9	Olecranon Holding, reduction forceps with ratchet locking	Each Unit	2
10	Patella holding clamps with locking:- two prongs	Each Unit	2
11	Patella holding clamps with locking:- four prongs	Each Unit	2
12	Bone Hook (small)	Each Unit	2
13	Bone Hook (medium)	Each Unit	2
14	Bone Hook (large)	Each Unit	2
15	Self retaining retractors 130-200mm with hinge	Each Unit	2
16	Self retaining retractors 250-300mm with hinge	Each Unit	2
17	Bone Cutter (Straight, Curved)	Each Unit	2
18	Mallet (250gm)	Each Unit	2
19	Mallet (450gm)	Each Unit	2
20	Mallet (700gm)	Each Unit	2
21	Osteotomes Straight - 3,mm	Each Unit	2
22	Osteotomes Straight - 5,mm	Each Unit	2
23	Osteotomes Straight - 8,mm	Each Unit	2
24	Osteotomes Straight - 10mm	Each Unit	2
25	Osteotomes Straight - 12mm	Each Unit	2
26	Osteotomes Straight - 15mm	Each Unit	2
27	Osteotomes Straight - 18mm	Each Unit	2
28	Osteotomes Curved - 3,mm	Each Unit	2
29	Osteotomes Curved - 5,mm	Each Unit	2
30	Osteotomes Curved - 8,mm	Each Unit	2
31	Osteotomes Curved - 10mm	Each Unit	2
32	Osteotomes Curved - 12mm	Each Unit	2

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33	Osteotomes Curved - 15mm	Each Unit	2
34	Osteotomes Curved - 18mm	Each Unit	2
35	Lowman's Clamp (small)	Each Unit	2
36	Lowman's Clamp (medium)	Each Unit	2
37	Lowman's Clamp (large)	Each Unit	2
38	Bone curette (small sizes)	Each Unit	5
39	Bone curette (medium sizes)	Each Unit	5
40	Bone curette (large sizes)	Each Unit	2
41	Bone Gouge 3 mm	Each Unit	2
42	Bone Gouge 5 mm	Each Unit	2
43	Bone Gouge 8 mm	Each Unit	2
44	Bone Gouge 10 mm	Each Unit	2
45	Bone Gouge 12 mm	Each Unit	2
46	Bone Gouge 15 mm	Each Unit	2
47	Bone Gouge 18 mm	Each Unit	2
48	Bone Chiesels 3 mm	Each Unit	2
49	Bone Chiesels 5 mm	Each Unit	2
50	Bone Chiesels 8 mm	Each Unit	2
51	Bone Chiesels 10 mm	Each Unit	2
52	Bone Chiesels 12 mm	Each Unit	2
53	Bone Chiesels 15 mm	Each Unit	2
54	Bone Chiesels 18 mm	Each Unit	2
55	Universal Hand Drill with chuck & key (close gear)	Each Unit	5
56	Universal Hand Drill with chuck & key (open gear)	Each Unit	5
57	Plier-cum-wire cutter (small)	Each Unit	2
58	Plier-cum-wire cutter (medium)	Each Unit	5
59	Plier-cum-wire cutter (large)	Each Unit	2
60	Jumbo Cutter	Each Unit	2
61	Bending Iron for (3.5mm plates)	Each Unit	01 set
62	Bending Iron for (4.5mm plates)	Each Unit	01 set
63	Wire tensioner with 2 pegs	Each Unit	02 set
64	Skin Hooks (single)	Each Unit	02 pair
65	Skin Hooks (double)	Each Unit	02 pair
66	Skin Hooks (Cat's paw)	Each Unit	02 pair
67	Nose Plier (small)	Each Unit	2
68	Nose Plier (medium)	Each Unit	2
69	Bone awls for radius & Ulna	Each Unit	1 set

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70	Plaster cutting saw, electric operated with three size (small, medium, Large) cutting blades (cost of blades should also be quoted separately by same supplier)	Each Unit	10
71	<u>Pulse Lavage System:</u> i) Electrically operated. ii) Should allow controlled irrigation, cleaning and operating. iii) Pressure can be electronically controlled. iv) Tubes should be of medical grade silicon and are autoclavable. v) Multiple bottles can be attached for fast irrigation. vi) Digital display of pulse/min. vii) Should have different lavage tips including shower spray tip. viii) should be easy to operate	Each Unit	01 unit
72	<u>Light weight radiation protective aprons for Surgeons</u> , Should be AERB/CE(EUROPEAN)/USFDA approved, radiation protection should be of very high quality, even thickness and even distribution of lead on protection sheet, protection sheet should be flexible and not prone to cracks and pin holes, protection sheet should compose lead minimum 80% and PVC/rubber 20% - ratio-80:20, weight should not exceed 3.3kgs per sqr.meter, belt should be provided to avoid back stress, should have anti skid pads, should have comfortable side cuts for ease of moments during surgery. should be available in different sizes.(light weight and lead free)	Each Unit	10
73	<u>Thyroid protection shield</u> - Should be AERB/CE(european)/USFDA approved, radiation protection should be of very high quality, even thickness and even distribution of lead on protection sheet, protection sheet should be flexible and not prone to cracks and pin holes, protection sheet should compose lead minimum 80% and PVC/rubber 20% - ratio-80:20, should be very comfortable during surgeries.	Each Unit	10
74	Hemby's skin grafting knife blade handle (CE/FDA approved)	Each Unit	1
75	Corticotomes - sizes 2 mm	Each Unit	2

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76	Corticotomes - sizes 5 mm	Each Unit	2
77	Box Chisel	Each Unit	1
78	Bone Nibblers: - Single Action - Straight .	Each Unit	2
79	Bone Nibblers: - Single Action - Curved.	Each Unit	2
80	Bone Nibblers:- Double Action - Straight	Each Unit	2
81	Bone Nibblers:- Double Action - Curved	Each Unit	2
82	Broken screw/drill bit removal forceps	Each Unit	2
83	Bone file (200mm)	Each Unit	2
84	Bone file (150mm)	Each Unit	2
85	Screw box with inbuilt scale for (3.5mm screw)	Each Unit	2
86	Screw box with inbuilt scale for (4.5mm screw)	Each Unit	2
87	Screw box with inbuilt scale for malleolar screw	Each Unit	2
88	Screw box with inbuilt scale for (6.5mm screw)	Each Unit	1
89	Formaline Chamber with three trays (large)	Each Unit	1
90	Spika Table for children	Each Unit	1
91	Spika Table for Adult	Each Unit	1
92	Instrumentation of Kuntcher's intramedullary nailing:- (1) K-nail reamers (7-13mm). (2) K-nail impactor/setter. (3) K-nail extraction set. (4) K-nail Guide wires (3mm). (5) K-nail Guide wires (4mm). (6) K-nail measuring gauge & scale.(7) extraction hook (small, Medium, Large). Brake up rates should be quoted by same manufacturer/Supplier.	Each Unit	2
93	DHS/DCS Instrumentation set:- (1) DHS angle guide 135 deg.(2) T-Handle with quick coupling. (3) Direct Measuring Gauge. (4) DHS Triple reamer. (5) Wrench for DHS screw. (6) DHS Impactor. (7) DHS Tap. (8) Centring sleeve for DHS tap. (9) Centring sleeve for DHS wrench. (10) Coupling screw for inserting DHS screw. (11) Guide shaft for coupling screw. (12) Long coupling screw for DHS/DCS screw removal. (13) DCS triple reamer. (14) DCS angle guide. (15) SS container box with 2 tray. (16) Guide wire with threaded tip. Brake up rates should be quoted by same manufacturer/Supplier.	Each Unit	2
93(i)	DHS angle guide 135 deg.	Each Unit	
93(ii)	T-Handle with quick coupling.	Each Unit	

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93(iii)	Direct Measuring Gauge.	Each Unit	
93(iv)	DHS Triple reamer.	Each Unit	
93(v)	Wrench for DHS screw.	Each Unit	
93(vi)	DHS Impactor.	Each Unit	
93(vii)	DHS Tap.	Each Unit	
93(viii)	Centring sleeve for DHS tap.	Each Unit	
93(ix)	Centring sleeve for DHS wrench.	Each Unit	
93(x)	Coupling screw for inserting DHS screw.	Each Unit	
93(xi)	Guide shaft for coupling screw.	Each Unit	
93(xii)	Long coupling screw for DHS/DCS screw removal.	Each Unit	
93(xiii)	DCS triple reamer.	Each Unit	
93(xiv)	DCS angle guide.	Each Unit	
93(xv)	SS container box with 2 tray.	Each Unit	
93(xvi)	Guide wire with threaded tip.	Each Unit	
94	Interlocking Instrumentation set for tibia & Femur :- (1) Curved Bone Awl. (2) Reaming Rod with staggered olive. (3) Flexible reamer with fixed head 8mm. (4) Flexible reaming shaft. (5) Reaming heads (8.5,9,9.5,10,10.5,11,11.5,12,12.5,13mm). (6) Guide Rod 3mm x 950mm. (7) Guide wire holding forceps. (8) Tissue protector. (9) Proximal jig for tibia/femur to prevent rotation of nail during insertion. (10) Universal Insertion bolt. (11) Driving Head. (12) Ram. (13) Ram guide rod. (14) Wrench. (15) Distal aiming device. (16) Locking Hole finder. (17) Protection sleeve. (18) Pointer. (19) Aiming Trocar. (20) Drill sleeve 4.0mm. (21) Drill bit 4mm. (22) Drill bit 3.2mm. (23) Hexagonal Screw Driver. (24) Fixation bolt. (25) Depth Gauge. (26) Drill sleeve 3.2mm. (27) Medullary Tube. (28) Containers. Brake up rates should be quoted by same manufacturer/Supplier and compatible with nails	Each Unit	1
94(i)	(1) Curved Bone Awl.	Each Unit	
94(ii)	(2) Reaming Rod with staggered olive.	Each Unit	
94(iii)	(3) Flexible reamer with fixed head 8mm.	Each Unit	
94(iv)	(4) Flexible reaming shaft.	Each Unit	
94(v)	(5) Reaming heads (8.5,9,9.5,10,10.5,11,11.5,12,12.5,13mm).	Each Unit	
94(vi)	(6) Guide Rod 3mm x 950mm.	Each Unit	

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94(vii)	(7) Guide wire holding forceps.	Each Unit	
94(viii)	(8) Tissue protector.	Each Unit	
94(ix)	(9) Proximal jig for tebia/femur to prevent rotation of nail during insertion.	Each Unit	
94(x)	(10) Universal Insertion bolt.	Each Unit	
94(xi)	(11) Driving Head.	Each Unit	
94(xii)	(12) Ram.	Each Unit	
94(xiii)	(13) Ram guide rod.	Each Unit	
94(xiv)	(14) Wrench.	Each Unit	
94(xv)	(15) Distal aiming device.	Each Unit	
94(xvi)	(16) Locking Hole finder.	Each Unit	
94(xvii)	(17) Protection sleeve.	Each Unit	
94(xviii)	(18) Pointer.	Each Unit	
94(xix)	(19) Aiming Trocar.	Each Unit	
94(xx)	(20) Drill sleeve 4.0mm.	Each Unit	
94(xxi)	(21) Drill bit 4mm.	Each Unit	
94(xxii)	(22) Drill bit 3.2mm.	Each Unit	
94(xxiii)	(23) Hexagonal Screw Driver.	Each Unit	
94(xxiv)	(24) Fixation bolt.	Each Unit	
94(xxv)	(25) Depth Gauge.	Each Unit	
94(xxvi)	(26) Drill sleeve 3.2mm.	Each Unit	
94(xxvii)	(27) Medullary Tube.	Each Unit	
94(xxviii)	(28) Containers	Each Unit	
95	Instrumentation set for canulated screw (7mm): i) Parellel angle guide. ii) Canulated drill bit 4.5mm and Canulated drill sleeve. iii) Direct Measuring Gauge. iv) Canulated tap for 7mm screw - Calibrated to indicate insertion depth. v) Canulated screw driver. vi) Guide wire threaded tip. vii) Stylet for cleaning drill bit & tap. viii) Container for implants. Brake up rates should be quoted by same manufacturer/Supplier.	Each Unit	1
95(i)	Parellel angle guide.	Each Unit	
95(ii)	Canulated drill bit 4.5mm and Canulated drill sleeve.	Each Unit	
95(iii)	Direct Measuring Gauge.	Each Unit	
95(iv)	Canulated tap for 7mm screw - Calibrated to indicate insertion depth.	Each Unit	
95(v)	Canulated screw driver.	Each Unit	
95(vi)	Guide wire threaded tip.	Each Unit	
95(vii)	Stylet for cleaning drill bit & tap.	Each Unit	

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95(viii)	Container for implants.	Each Unit	
96	Instrumentation for Small Canulated Cancellous Screws: i) Threaded Guide Wire - 1.25mm. ii) Threaded Telescopic Drill Guide with Stop. iii) Canulated Drill Bit 2.7mm with long coupling end. iv) Direct measuring device. v) Small canulated counter sink. vi) Small canulated tap. vii) Tap sleeve. viii) Drill Sleeve. ix) Small canulated hexagonal screw driver, fully canulated. x) Canulated drill bit 3.5mm. xi) Stylet small drill sleeve 1.25mm/2.7mm diameter. xii) Screw forceps. xiii) Clip with washers. Brake up rates should be quoted by same manufacturer/Supplier.	Each Unit	1
96(i)	Threaded Guide Wire - 1.25mm.	Each Unit	
96(ii)	Threaded Telescopic Drill Guide with Stop.	Each Unit	
96(iii)	Canulated Drill Bit 2.7mm with long coupling end.	Each Unit	
96(iv)	Direct measuring device.	Each Unit	
96(v)	Small canulated counter sink. vi) Small canulated tap.	Each Unit	
96(vi)	Tap sleeve.	Each Unit	
96(vii)	Drill Sleeve.	Each Unit	
96(viii)	Small canulated hexagonal screw driver, fully canulated.	Each Unit	
96(ix)	Canulated drill bit 3.5mm.	Each Unit	
96(x)	Stylet small drill sleeve 1.25mm/2.7mm diameter.	Each Unit	
96(xi)	Screw forceps.	Each Unit	
96(xii)	Clip with washers.	Each Unit	
97	Instrumentation set for supracondylar nailing (femur) with container: i) Curved bone awl. ii) Guide rod dia.2.8mm, length 950mm.iii) Reaming rod with staggered olive dia.2.8mm, length 950mm. iv) Ram guide rod. v) Flexible reamer with fixed head 8mm. vi) Flexible reaming shaft. vii) Detachable reaming heads dia.9-13mm with increment of 0.5mm. viii) Medullary exchange tube. ix) Guide wire holder. x) Tissue protector. xi) Ram. xii) Depth Gauge. xiii) Wrench. xiv) Screw targeting jig for supracondylar nail. xv) Driving head. xvi) Insertion bolt. Brake up rates should be quoted by same manufacturer/Supplier.	Each Unit	1
97(i)	Curved bone awl.	Each Unit	

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97(ii)	Guide rod dia.2.8mm, length 950mm.	Each Unit	
97(iii)	Reaming rod with staggered olive dia.2.8mm, length 950mm.	Each Unit	
97(iv)	Ram guide rod.	Each Unit	
97(v)	Flexible reamer with fixed head 8mm.	Each Unit	
97(vi)	Flexible reaming shaft.	Each Unit	
97(vii)	Detachable reaming heads dia.9-13mm with increment of 0.5mm.	Each Unit	
97(viii)	Medullary exchange tube.	Each Unit	
97(ix)	Guide wire holder.	Each Unit	
97(x)	Tissue protector.	Each Unit	
97(xi)	Ram.	Each Unit	
97(xii)	Depth Gauge.	Each Unit	
97(xiii)	Wrench.	Each Unit	
97(xiv)	Screw targeting jig for supracondylar nail.	Each Unit	
97(xv)	Driving head.	Each Unit	
97(xvi)	Insertion bolt.	Each Unit	
98	Autoclaving/Surgical Tray - SS, size-L18" x B12" x D3 1/2"	Each Unit	2
99	Surgical Dressing/Autoclaving Drums - Size - 9" x 9"	Each Unit	2
100	Surgical Dressing/Autoclaving Drums - Size - 11" x 9.5"	Each Unit	2
101	<u>Electrical Tourniquet System with inbuilt pressure infuser (CE, ISO certified) :</u> # To operate at 220V # Should have in built manual safety mode # Should have automatic blood exanguination features # Should have digital display of cuff pressure # Should have inbuilt automatic alarm system with timer # Should have mobile stand with basket # Should have the following accessories- # High quality silicon cuffs for child arms, thigh & legs, for adult arms, thigh & legs # cost of accessories should be clearly mentioned in price bid for future need as and when required.	Each Unit	1
102	<u>Elastic Nail Instrument:</u> a) Elastic Nail Introducer/Extractor with SS Chuck & key b) Elastic Nail Punch, 2.5,3,3.5,4,4.5mm	Each Unit	1

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	c) Elastic Nail Introducing Rod d) Slotted Hammer for Introducing Rod e) Bone Owl for entry portal		
103	OSCILLATING PLASTER CUTTING SAW WITH VACUUM SUCTION WITH COMPATIBLE ASSORTED BLADES:- Oscilating plaster saw with plaster vacuum suction(Electric 250V) icluding all accesaries and different blades to cut POP cast , fiber glass fibre glass or other hard dressing. vacuum acceseries. 1) Replacemenmt cost vase Bags. 2) Adapter Cord with Hose. 3) Adapter hose. Blades rates should be separately quoted by the same firm/ supplier	Each Unit	2
	PHYSIOTHERAPY ITEMS -NON-CONSUMABLE		
1	CONTINUOUS PASSIVE MOTION UNIT Knee & Hip CPM Tech. Specification It shuld be light weight machine easy to use. It should have range of motion for knee 0° - 110° flexion. It should have hip attachment module with ROM 0° - 80° flexion. It should have digital display of ROM settings treatment time, pause time. It should accommodate patient from children to adults. Treatment time: Programmable Memory/Programme: at least 30 treatment protocol capacity Power supply: 200-240VAC at 50-60 Hz Safety Features: provided with patient safety switch, ISO/FDA certified Make: Indian	Each Unit	1
2	Quadriceps Exercise Table The unite should consist of foam padded table and a torque unit with two lever arms one of which holds the weight while the other produces contact with the patient. The angle between two arms should be adjustable. Make: Indian	Each Unit	1
3	Shoulder Wheel	Each Unit	2

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	<p>100 cm diameter wheel revolve smoothly with drum and is fitted with calibrated sensitive resistance mechanism.</p> <p>Resistance is controllable to from zero to Maximum.</p> <p>A 360° scale is provided on the drum to measure and record the degrees of revolution from either directions.</p> <p>Arch of motion can be varied from 30 cm to 80 cm diameter.</p> <p>Wheel should be mounted on three laminated hard wood wall boards and two boards are fitted with two stainless steel channels (80 cm height x 6 cm width) to give the wheel 48 cm height adjustment to suit each patient.</p> <p>Powder coated finish.</p>		
4	Voltage stabilizer 2 kva	Each unit	4
5	<p>Pinch Dynamometer (Hydraulic) 95 pounds</p> <p>Hydrolic pinch Gauge made of high quality cast aluminium</p> <p>For measuring Pinch Forces (Tip, Key and Palmer) from 0 -45 lbs (0 -20 kg)</p> <p>Dual scale showing both in Pounds and Kilograms.</p> <p>Indicator pin remains at highest level of strength</p> <p>Including carrying case</p>	Each Unit	1
6	Gym Ball - 38"	Each Unit	1
7	<p>Ultrasound Therapy Unit with dual frequency</p> <p>The system should have following features:</p> <p>Micro processor based , computerized unit compact , digital unit with user friendly control panel.</p> <p>Ultrasound frequency: Two → 1 MHz and 3 MHz</p> <p>Output mode ; Continuous and pulsed</p> <p>Intensity: 0-2 W/cm² (Continuous) : 0-3 W/cm² (Pulsed)</p> <p>Treatment Head : Two → 5 cm² and 0.8 cm²</p> <p>Treatment Timer: 1 to 60 minutes, withacoustic signal</p> <p>safety Features :ISO /FDA certified</p> <p>Power: 220 V AC, 50 Hz</p>	Each Unit	1

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	Accessories: Ultrasound gelbottle Make; Indian		
8	Rowing Machine # Should have incline rower with beam sturdy steel frame at 360deg allows smooth forward and backward movement. # Should have internal roller track for comfortable glide. # Should have non-slip foam grips # Should have Padded sliding seat. # should have footrest. # Should be light weight.	Each Unit	1
9	Hydro collator with 12 steam packs Made out of heavy gauge stainless steel sheet, double walked, will insulated in between Size: 60cmX40cmX76cm high (approx) fitted with 2000 watts immersion heater pilot light and thermostat for heat control comes with 12 stem packs of different sizes Make: India (Separate rate for stem packs quoted by same firm/ supplier)	Each Unit	02 units

*The quantity is approximate and may vary at the time of placing orders.