



Notice Inviting e-Tender

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Procurement of Battery Powered Orthopaedic Drill for the Dept.of Orthopaedic at Sambhu Nath Pandit Hospital.

(Submission of Bid through *online*)

Bid Reference No.: WBMSC/NIT-1016/2025

Dated-11.12.2025

Amendment-I

Revised Technical Specification Battery-Powered Orthopaedic Drill

ESSENTIAL CRITERIA:-

- Element BCDR Multi-drive hand piece 1200 RPM, Trigger for Step less Speed control, Reverse & Forward Lever, Safety Lock, Instant Stop, 5 mm Cannulated, Operators on 12 Volt DC from BCDR Power Module, Allows Adaptation of various attachments, autoclavable Funnel, compact, versatile and ergonomic.
- BCDR Power Lithium-ion Battery, Replaceable, Not Suitable for STEAM autoclavable ETO, Approx 220 Gram, Lifting Hook for ease insertion, indication of light informing charging parameters when connected to the piece.
- Lithium-ion Battery, Rechargeable, 12 Volt DC, 2700 mAh, Non Autoclavable, Non Suitable for Steam autoclavable or ETO, Overcharge protection, 220 gram, Quick discharge protection, 250 Cycles.
- Single Port Charging Dock Input Voltage: AC 80 Volt to 260 Volt, 50/60 Hz, Output Voltage: 12 Volt DC, Non Autoclavable, Non Suitable for Steam autoclavable or ETO, 125 Gms (Approx), Charging Safety Protection, Over Heat Protection.
- USB/3 PIN Charger Input Voltage: AC 80V to 260V, 50/60 Hz, Output Voltage: 12 V DC, Non Autoclavable, Non Suitable for Steam autoclavable or ETO, 250-450 Gms (Approx), Charging Safety Protection, Over Heat Protection.
- Pin Colet Attachment 0.8 to 1.8 mm
- Pin Colet Attachment 2 to 4 mm

- BCDR Sagittal Saw Hand Piece 14500 CPM, Dedicated Swift Saw hand piece, Operates on 12V DC Batteries, Quick Blade Holding Arrangement with funnel, Steam Autoclavable and ETO friendly under standard conditions, Set of 7 Standard Blades & Ultra Cut Blade, Light weight, Ergonomic, traditional Pistol Grip, Ideal TKR, Amputation & Deep Cuts, Step Less Speed Control, Safety lock and Instant Stop function
- Sagittal Saw Blade Set (Set of 7)
- Multi Attachment Hand piece Drilling Attachment 1200 RPM, 0-6 mm Stainless Steel Jacob Chuck with chuck key, Cannulation Size: 5mm, Weight: 200 Gram, Steam Autoclavable and ETO friendly under standard conditions, Drill Bit with Shank size up to 6 mm.
- Multi Attachment hand piece Reaming Attachment AO Quick Coupling 400 RPM, Cannulation Size: 5mm, Weight: 200 to 250 Gram, Steam Autoclavable and ETO friendly under standard conditions, Suitable for Guide Wires, all intramedullary Reamers with A/O end.
- B C D R Autoclavable Box.

Desirable criteria:-

Drill & Reamer Hand Piece

1. Should have dual triggers for forward and reverse mode, maximum speed of 1200 or more RPM in drilling, 10000 or more CPM in cutting, deliver a torque of 29.4 in/lbs or more. in drilling
2. Selection of the drilling and reaming with different attachments
3. Should have variable speed control on the hand piece.
4. Fully operated cannulated 4.00 mm hand piece
5. Dedicated forward and reverse switch with safe mode.
6. Should have DC brushless Motor for low maintenance
7. Multiprocessor control hand piece
8. No lubrication required

Battery Charger

1. The charging platform should be flat, clean, and seamless to keep it covered with sterile linen or wrap to maintain hygiene inside OT.
2. To support easier of charging during any procedure, the charger must have surface- charging technology to support socket-free/clip-free/port-free charging of autoclavable batteries in both non-sterile and fully sterile- wrapped conditions
3. Should have power/ eco-saving mode to ensure the efficient life of batteries and allow the charger to be on standby (asleep) when all batteries are fully charged.
4. Should have the capability to identify the worn - out battery.
5. Should have an indicator to reflect charging status.
6. Should be able to calculate charging cycle counts of battery.

Battery

1. Should be Li-on based.
2. Should be permanently jacketed in housing and chemical -based insulation for thermal protection of charging cells during autoclaving when fully charged.
3. Should have minimum run time of 18 to 20 minutes.
4. Completely charged battery should have a shelf life of 45 days without any compromise in performance.
5. Should have an indication of light informing charging parameters when connected to the piece.
6. Should have the ability to confirm battery status pre-procedure.
7. At least 6 units per hand pieces.

Certification

Should have valid CDSCO certificate of the brand and model.

Service and support

1. The company must have their service centre in India and regional service support
2. The company must provide a loaner support in case equipment is under warranty or under CMC.
3. The company has to provide training and education for equipment handling to all CSSD, Bio Medical & OT Staff.
4. The company must have to do minimum of three times preventive maintenance in one year with company trained engineer.