



PTR. NO. : E-69, AHMED NAGAR

SHRI SAIBABA SANSTHAN TRUST, SHIRDI

SHIRDI: Post: Shirdi - 423109, Tal. Rahata, Dist. Ahmednagar, Maharashtra (India).
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Email : saibaba•hospital@sai•org•in

Shri Sainath Hospital, Shirdi Annexure "A"

Technical Specification for Ortho Battery Drill System – Ortho O.T. Department
(Preferred Make :- Manman, MDE, SH Pitkar Ortho drill or Equivalent)

| Sr. No. | Description | Qty. | Rate Per Incl. of All Tax | Total Amt. in Rs. |
|---------|---|------|---------------------------|-------------------|
| 1 | Ortho Battery Drill System | 01 | | |
| | Battery Drill Set for Trauma and Joint Replacements | | | |
| | a. Battery Handpiece, preferably modular. | | | |
| | b. Sterile Cover | | | |
| | c. Lid for Battery Hand piece | | | |
| | d. Battery Charger | | | |
| | e. Quick Coupling | | | |
| | f. Drill Chuck (drilling speed), with key | | | |
| | g. Quick Coupling for Kirschner Wires 1.0 to 4.0 mm | | | |
| | h. Attachment for Acetabular and Medullary Reaming | | | |
| | i. Sagittal Saw Attachment, Long | | | |
| | j. Quick Coupling for DHS/DCS Triple Reamers | | | |
| | • Cannulation with 3.8- 4.2 mm diameter: | | | |
| | 1. Weight of handpiece 1000-1400 gm with Battery | | | |
| | 2. Power of 150-200 W | | | |
| | 3. Continuously variable speed without attachment 0-1500 rpm and 270 rpm or better in reaming | | | |
| | 4. Separate forward and reverse triggers and oscillation mode | | | |
| | 5. Handpiece is compatible with radiolucent drive | | | |
| | 6. Instant change between clockwise and counterclockwise rotation | | | |
| | 7. Fully Autoclavable | | | |

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Quotation- 2017 – Jadhav I



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| Sr. No. | Description | Qty. | Rate Per Incl. of All Tax | Total Amt. in Rs. |
|---------|--|------|---------------------------|-------------------|
| | 8. Drill Torque should be maximum as per user requirement | | | |
| | 9. Different locking options for attachments | | | |
| | 10. should preferably have Reliable protection of soft tissue with integrated oscillation mode | | | |
| | 11. Selection of drilling and reaming with same attachments | | | |
| | 12 should have DC brushless motor for low maintenance. | | | |
| | • Adaptors for Drill and Reamer: Chuck attachment: | | | |
| | 1. Jacobs (Chuck) with or with key (Small & large) | | | |
| | 2. Reaming Attachment with Quick coupling. | | | |
| | 3. Pin collect/ wire holder/ quick coupling for K-wire upto 3mm. | | | |
| | 4. Cannulation of 3.8-4.2 mm diameter | | | |
| | 5. Chuck range from 0.5 to 10 mm | | | |
| | • Quick Coupling for Medullary reaming: | | | |
| | 1. Cannulation of 3.8-4.2 mm diameter | | | |
| | 2. Maximum Speed preferably upto 350 rpm | | | |
| | 3. Maximum torque preferably upto 15 Nm | | | |
| | • Quick Coupling attachment: | | | |
| | 1. Cannulation of 1.8-2.2 mm diameter | | | |
| | 2. Maximum Torque: 3 Nm | | | |
| | • Sagittal Saw attachment: | | | |
| | 1. Hand piece should have pistol grip and lightweight. | | | |
| | 2. Should have plane of blade movement adjustable in 8 steps of 45 degree. | | | |
| | 3. Should have accurate variable speed control through trigger | | | |
| | 4. Should be fully autoclavable | | | |

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| Sr. No. | Description | Qty. | Rate Per Incl. of All Tax | Total Amt. in Rs. |
|---------|--|------|---------------------------|-------------------|
| | 5. Should be powered by maintenance free batteries. | | | |
| | 6. It can operate on an oscillating frequency of 0 to 20,000 osc/min. | | | |
| | 7. The amplitude of oscillation should preferably be 4.5° | | | |
| | 8. 5 locking options for the saw blades in the attachment | | | |
| | 9. Saw Blade for TJR Surgery Length 81 to 116 mm, Usable L 60 to 95 mm, Width 12.5 to 25 mm, Thickness 0.89 to 1.47 mm | | | |
| | 10. Saw Blade for General Traumatology Length 46 to 90 mm, Usable Length 25 to 69 mm, Width 10 to 50 mm, Thickness 0.4 to 1.2 mm | | | |
| | • Sagittal Saw Blades | | | |
| | i. Small – 2 | | | |
| | ii. Medium – 2 | | | |
| | iii. Large – 2 | | | |
| | • Quick Coupling for DHS/DCS Triple Reamer: | | | |
| | 1. Cannulation of 3.8-4.2 mm diameter | | | |
| | 2. Speed up to 700 rpm | | | |
| | • Quick Coupling for K-wire: | | | |
| | 1. Continuous adjustment facility for wire diameter from 1 to 4 mm | | | |
| | 2. Speed up to 1500 rpm | | | |
| | • Lid for battery Hand Piece: | | | |
| | 1. Mode Selector Switch to select Drilling/Reaming, Saw, Oscillating Drill mode | | | |
| | 2. Made of Plastic/Stainless steel | | | |
| | 3. Should be autoclavable | | | |
| | • Battery Charger : | | | |
| | 1. Should preferably have 4 charging bays | | | |
| | 2. Should be capable of charging NiCd, NiMh and Lithium Ion batteries and all other types | | | |
| | 3. Should display the charging status of the batteries | | | |

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| Sr. No. | Description | Qty. | Rate Per Incl. of All Tax | Total Amt. in Rs. |
|----------------|--|-------------|----------------------------------|--------------------------|
| | 4. Keeps inserted batteries constantly fully loaded | | | |
| | 5. 200-240 V , 50/60 Hz charger | | | |
| | 6. should have capability to identify the worn out batteries | | | |
| | 7.Should have a button to diagnose errors in the system | | | |
| | • Battery Kit: 2 no.s | | | |
| | 1. Batteries with low internal impedance to deliver high current , High torque | | | |
| | 2. Should have run time of minimum 21 min. | | | |
| | 3. Should include autoclavable housing | | | |
| | 4. Should option for autoclavable batteries | | | |
| | 5. Lithium Ion/Nickel-cadmium battery with a minimum life of 1000 cycles | | | |
| | 6. No self discharging of batteries and no memory effect | | | |
| | 7. Maximum charging time : preferably 30-45 min | | | |
| | 8. Battery: 20-30 V | | | |
| | 9. Safe and easy handling in the operation theatre | | | |
| | • Sterile Cover: | | | |
| | 1. Made of Stainless steel and should accommodate all handpiece, attachment and accessories | | | |
| | 2. Fully autoclavable, For sterile transfer of Power Module to Battery Hand piece | | | |
| | 2. Fully autoclavable | | | |
| | • The life of the equipment should be mentioned | | | |
| | • All Technology should be mandatorily with safety approval - FDA / UL . Approval certificate is to be submitted in addition to CE Certificate for the total unit. | | | |

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| Sr. No. | Description | Qty. | Rate Per Incl. of All Tax | Total Amt. in Rs. |
|----------------|--|-------------|----------------------------------|--------------------------|
| | • Warranty- 1 Year, It should includes PMS visits -4 Nos. and unlimited Breakdown calls with all spare parts | | | |
| | • AMC/CMC Cost- AMC/CMC Cost should be including Taxes. It should be fixed for next 5 years. | | | |
| | • Cost of Consumables to be fixed for warranty period. | | | |
| | • Operators should be given training for its regular use & maintenance training should be given to Biomedical Engineer free of cost. | | | |

Medical Director,
Shri Saibaba Hospitals, Shirdi





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NO.SSS/WS/SSBH/STORES/(P/S)/

/2018

DATE:

To,

**Sub : - Quotation for Purchase of Ortho Battery Drill System
for Ortho O.T. of Shri Sainath Hospital, Shirdi.**

Dear Sir,

We have to purchase Ortho Battery Drill System for Shri Sainath Hospital, Shirdi given in enclosed Annexure "A" & the following terms and conditions.

Terms and Condition

1. The **Ortho Battery Drill System** will have to be supplied F.O.R. Shirdi.
2. The rate should be inclusive of GST, transport charges, T.O.T. Etc.
3. You will have to mention name of the company, packing, rate per unit, total cost etc.
4. Packing, forwarding, and other charges will not be paid by the Sansthan.
5. The delivery of the ordered material will have to made at Shri Saibaba Hospital, Shirdi on any working days between 10 a.m. to 6 p.m.
6. In case if supply is not made in the proper time and if material is to be purchased from other party at higher rates than the rates given in quotation you will be responsible to compensate the excess amount paid by the Sansthan.
7. You will have to supply the ordered material at the quoted rates in the quotation and no increase will be given or allowed in the rates for any reason whatsoever.
8. In case of breakage / leakage in transit, prior to delivery to Sansthan, you will have to replace the same immediately failing which payment will be made by deducting the cost of the same.
9. Payment will be made by the Sansthan on confirmation of the name of the company, quality, quantity, grade if any etc. as specified in the quotation. No advance payment will be made against the supply.
10. All the Equipments shall be new and manufactured from virgin materials. All the requirements of this supply shall be sourced from the original equipment manufacturer of the model quoted. In case the machine is imported one to import substitution is permitted neither before the wards nor after the award for any part or accessory.
11. Any accessory / accessories not mentioned specifically but required to make system working will have to be supplied without any extra cost.

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12. The supplier has to mention the one time visit charges for breakdown and servicing.
13. Equipment mentioned in the Technical specification shall operate on 230V $\pm 10\%$, 50Hz, single phase electric supply if not mentioned specifically.
14. The necessary protective relaying / circuitry shall be there with the machines.
15. The equipment shall have valid CE marking and US FDA approval (Wherever necessary) and documentary evidence to that effect shall be submitted.
16. The equipment shall be having warranty of 01 year. The warranty and CMC shall cover the batteries and lamps irrespective of whether those are treated as consumables or otherwise.
17. Minimum 4 Nos. of preventive maintenance visits and unlimited breakdown call visits as per requirement must be attended in the warranty and AMC/CMC period. The services to the equipment in warranty and CMC period will be considered as same.
18. The equipment should be provided with one hard copy in original of the detailed service manual and operation manual. Further, a soft copy is also required.
19. Repairs and maintenance training to two Biomedical Engineers should be given for one week or more as per requirement.
20. The equipment must be tropicalized as below-
Working Temperature : Max.45⁰
Storage Temperature : Max.50⁰C,
Relative humidity for working : 40 – 60%,
Relative humidity for Storage : Max 90%
21. Among the other things, the responsiveness in Technical Bid will be based on successful demonstration of the offered model of the equipments to SSST officials as mentioned elsewhere in the tender specifications.
22. The supplier has to submit user list with contact telephone numbers for the model quoted.
23. The supplier has to give past performance certificate of the quoted equipment.
24. The supplier should submit all the Datasheets of the quoted model for technical comparison.
25. The product should be time tested, branded and should be OEM.

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26. The life of the equipment should be mentioned.
27. The quotation must be clearly mention on the sealed envelope **“Ortho Battery Drill System of Ortho O.T. for Shri Saibaba Hospital”**.
28. The quotation in sealed cover may please be submitted to our Shirdi office on or before **Dt. 22/05/2018**.

Thanking you and with blessings of Shri Saibaba.

Yours Sincerely,

Medical Director & Civil Surgeon,
Shri Saibaba Sansthan Trust,
Hospital Shirdi.



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