



ಕರ್ನಾಟಕ ವೈದ್ಯಕೀಯ ಮಹಾವಿದ್ಯಾಲಯ ಮತ್ತು ಸಂಶೋಧನಾ ಸಂಸ್ಥೆ, ಹುಬ್ಬಳ್ಳಿ.
KARNATAKA MEDICAL COLLEGE & RESEARCH INSTITUTE, HUBBALLI

No: KMCRI/PMSSY/ SO/ 125 /2025-26.

Date: 29-10-2025

To
 Director
 KMCRI Hubballi.

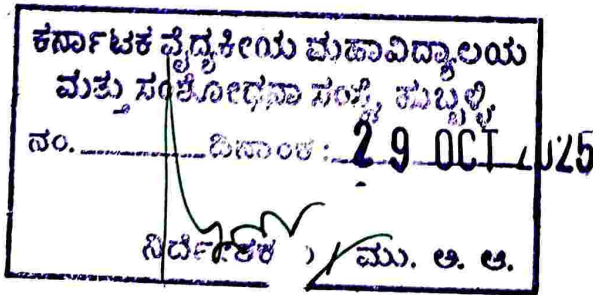
Respected Sir

Subject:- Submission Of Tender Specification For Bone Cutting Saw.

This is for the kind information, i would like to submit the detailed tender specifications for the procurement for a Bone Cutting Saw for department of Surgical oncology. This equipment is essential to enhance patient care, ensure improved surgical outcomes, and maintain advanced standards in operative procedures.

The specifications have been prepared in accordance with current clinical requirements and safety standards. I kindly request you to review the enclosed specifications and grant approval for initiating the tender process at the earliest. Kindly do the needful.

Thanking you.



Yours sincerely

Professor & HOD
 Dept. of Surgical oncology.
 KMCRI, Hubballi.

Professor and HOD,
 Dept. of Surgical Oncology,
 PMSSY, Super Speciality Hospital,
 KMCRI, Hubballi-580 021.
 KMC No. : 51650

**TENDER SPECIFICATIONS FOR HIGH SPEED ELECTRICAL BONE
CUTTING OSCILLATING SAW SYSTEM.**

1. Must have motor driven by electronic commutation technology i.e., brushless design.
2. Consol should be have an irrigation pump is also integrated into the unit with variable flow control.
3. Micro Bone saws should be light weight single cable should be fixed with the saw system
4. The saw system should be Bone Cutting Oscillating, Reciprocating & Sagittal
5. All the hand piece should be separate no adaptors required for common.
6. The sagittal and oscillating blades should be common for both the hand pieces.
7. The saw hand piece should be separate and should not be interchangeable with single hand piece.
8. Must have Single Micro motor for connecting High speed hand pieces, low speed hand pieces and high torque Hand pieces like skull perforation and saw System.
9. The control unit must deliver maximum output of 230V and with a maximum torque of 50 N.cm.
10. Consol should be possible to conduct various types of procedures. Control unit with **LCD Display Touch Screen**, multifunctional foot control, four lineups of motor and extensive attachments.
11. The various parameters should be able to adjust either from touch screen panel or from the multifunction foot switch
12. The torque at the bur end should not be less than 6 N.cm.
13. Must have high speed hand pieces with maximum Speed of 80,000rpm.
14. Must have the motors made of Titanium alloy.

15. Must have additional port in the console.
16. Must have integrated irrigation to cool the burs and blades.
17. Must have all burs and hand pieces recognizable by coding system.
18. System should have quick connect but lockable attachments of various sizes
19. Speed of the motor should be controlled both at the panel of the equipment and foot pedal.
20. The control unit should sense the motor connected to it and thereby providing optimum speed and torque for each hand piece.
21. Must have reverse rotation functionality.
22. Hand pieces should allow post operative oil spray.
23. Must have reverse rotation alarm.
24. The console should be compatible with motor for bone saw attachment.
25. Must have complete to upgrade Universal Bur Length Variable Adjustable Exposure lengths of All Standard attachments.
26. The System should have Craniotome handpieces with different Sizes of Duraguard Adult and Pediatric.
27. The system shall be manufactured by an FDA and CE certified manufacturer.
28. The quoted medical device must be registered under CDSCO and the bidder shall submit the "License to import the medical devise.

Attachments and Tools:

- Reciprocating Saw and Sagittal Saw Hand Piece – Each 1 No
- Reciprocating blades thickness from 0.38mm with the cutting edge of 23 to 28 mm – 5 each.
- Sagittal and oscillating saw blades thickness from 0.4 mm to 15 mm with variable cutting edge and depth -5 each
- Drill attachment 7 cm – 9 cm – 1 no with 1.5 bit 3 nos.
- Straight and Angled Medium attachment - 1 No