



# All India Institute of Medical Sciences Jodhpur

Admn/Prop/40/2020-AIIMS.JDH

Dated: - 01<sup>st</sup> October 2020

**Subject:** Purchase of Piezo Surgery Bone System (Implant Centre-2 with accessories for the department of Dentistry at AIIMS, Jodhpur on proprietary basis - **Inviting comments thereon.**

The Institute is in the purchase of Piezo Surgery Bone System (Implant Centre-2 with accessories for the department of Dentistry at AIIMS, Jodhpur from M/s Acteon India Pvt. Ltd (Erstwhile Satelec India Pvt. Ltd), B-94, G.I.D.C Electronic Estate, Sector -25, Gandhinagar-382023, Gujrat on proprietary basis. The proposal submitted by M/s JK Dentavision, New Delhi and PAC certification by user are attached.

The above document are being uploaded for open information to submit subjection, comments, if any from any manufacturer regarding proprietary nature of the equipment within 21days of issue giving reference Admn/Prop/40/2020-AIIMS.JDH. The comments should be received by office of Administrative Officer, Medical College at AIIMS, Jodhpur on or before 22<sup>nd</sup> October 2020 upto 03:00 PM failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

**Yours faithfully,**

**Administrative Officer**

**Enclosed: Related documents enclosed.**



# All India Institute of Medical Sciences Jodhpur

Ref: Tender/AM/2020/07/01  
Date: 3<sup>rd</sup> July, 2020

To,

All India Institute of Medical Sciences,  
Basni Phase - II, Jodhpur, Rajasthan-342005.

## PROPRIETARY ARTICLE CERTIFICATE

This is to Certify that Satelec SAS, a Company of Acteon Group located in France at 17 av. Gustave Eiffel - B.P. 30216 33708 MERIGNAC Cedex – France is the sole and legal manufacturer of Implant Centre 2 for Implantology, Piezo Surgery & Ultrasonic producers.

This is to certify that Implant Centre 2 is used for Implantology, Piezo Surgery & Ultrasonic painless procedures like Implant Placement, Osteotomies, Osteoplasties, Bone Surgery, Crest expansion, Sinus Lift, Extraction & Scaling. It has the following Proprietary and patented functions.

- 1) This system has 3 modes of operation- Implantology , Piezo Surgery & Ultrasonic
- 2) Highly reliable I-SURGE LED motor with its high torque (6Ncm) and wide speed range (100-40000Rpm).
- 3) Ultrasonic power generators are piloted by Newtron® technology, patented electronics.
- 4) Boosted with advance Piezotome® LED handpiece contains 6 ceramic rings for faster and secure surgeries.

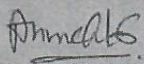
Implant Centre 2 has unmatched performance combined with the practitioner's clinical expertise paves the way for more precise, faster and painless pre-implant surgeries with highly precise cut, linear piezoelectric vibrations & controlled and regular tip amplitude.

It is a force that allows the doctor to implement the procedures in a rapid, conservative & minimally Invasive way.

Implant Centre 2 manufacturing facility is certified with Medical Device Directives 93/42/EEC & EN ISO 13485.

We hereby authorize M/s JK DENTAVISION, Kg-1/424, Vikas Puri New Delhi-110018 India as our authorized distributor for this tender of Implant center 2.

For Acteon India Pvt. Ltd.

  
Authorized Signatory



  
India

ACTEON INDIA PVT. LTD. (erstwhile Satelec India Pvt. Ltd.) | B-94, G.I.D.C Electronic Estate | Sector - 25  
Gandhinagar - 382 023 | Gujarat (INDIA) | CIN No. U33130GJ1999PTC035269  
Tel + 91 (79) 2328 7473 | Fax +91 (79) 2328 7480 | Email - info@in.acteongroup.com

[www.in.acteongroup.com](http://www.in.acteongroup.com)



## 1. PIEZO SURGERY BONE SYSTEM (Implant Centre-2 with accessories)

### A. Technical Specifications

Should have provision for all piezosurgery, implant surgery and Ultrasonics.

1. LED Hand Piece having illumination of 100000 lux, complete with cord of length not less than 3 meters.
2. Should have three (03) mode of functions- Implant motor, Piezosurgery and Ultrasonic.
3. Implant motor speed should be between 100 - 40,000Rpm.
4. It should have Maximum torque: 6Ncm up to 24,000Rpm Maximum torque at instrument end (20:1): 120Ncm.
5. It Should have 20:1 contrangle handpiece compatible with E-Type connection.
6. Ultrasonic frequency/vibrations should be minimum 28 kHz to 36 kHz.
7. Vibration amplitude of 30-100 microns
8. Wattage power range of 50 — 60 watts for effective osteotomies.
9. The system should be able to make precise cuts while limiting thermal necrosis
10. Small, compact and autoclavable LED/fibreoptic hand piece with in- built autoclavable cable connected to hand piece.

*Pranshu Kumar*

*(Signature)*

*(Signature)*



11. Secure locking for cutting tips.
12. Tip should access to difficult areas during surgery with ease and less strain.
13. Should have cavitation effect for maximal safety to soft tissues.
14. The hand piece should have internal irrigation system with no additional attachments for the hand piece or cord (internal cooling)
15. Should have extremely precise irrigation flow, controlled until the tip's end.
16. The working tip should have LED/fibreoptic light source which can be switched off in required. Should be shadow free illumination.
17. Handpiece holder for each hand piece.
18. Should have two (02) dedicated peristaltic pumps for Piezosurgery and Ultrasonic.
19. Should have six (06) Ceramic rings for excellent yield and no overheating extraneous vibrations.

#### **B. Foot Pedal for Implant Motor/Piezoelectric System (Implant Centre-2 with accessories)**

1. Multifunctional foot pedal should comply with IP x 8 Specifications
2. Large pedal surface for operating/power regulating the system.

#### **C. Standard Console for Piezoelectric System(Implant Centre-2 with accessories)**

1. Easy handling
2. Connectors for foot pedal, power cord, irrigation pole and ON/OFF option on back side.
3. Variable power levels should have further range from minimal to maximum.
4. Console should have program selection for Bone cutting and soft tissue decortication
5. Peristaltic pump housing
6. Touch screen full function display to show each command selected.
7. Should have auto cleaning function.
8. Should have adequate protection features and should be able to automatically detect the power requirements as per the use.
9. In case of any error there should be display for the reasons of error.

*Pran Kumar*

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**D. Inserts:**

1. Complete set of Essential tips inserts
2. Complete set of inserts used for Crest splitting.
3. Complete set of inserts used for extraction of tooth and periosteal preparation
4. Complete set of inserts used for Sinus Lift.
5. Complete set of inserts used for Osteotomy Bone Surgery.
6. Should also include set of tips for Orthodontic Peizocision application.
7. Should have complete set of three scaling tips 1 2, 10x.
8. Each kit should include a dedicated autoclavable insert tray.
9. Each kit should include a dedicated insert box for storage.

**E. Technical Details should be:**

- i. A medical grade equipment of Class IIa directives.
- ii. Power requirements: 100-240 V 50/60 Hz
- iii. Operate in our operating room temperatures
- iv. European CE (**04 digits number**) /US FDA approved.
- v. The number of containers depends on the total no. of kit
- vi. Each kit should include a dedicated insert box for storage cum sterilization.

**F. Warranty**

1. Should include 5 years of onsite warranty
2. should quote for 5 year CMC after the completion of warranty
3. Any future additions in software and hardware to the quoted model during the period of warranty should be provided free of cost

*Pramod Kumar*

*(Signature)*

*(Signature)*