

## Notice Inviting e-Tender

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SUPPLY OF CARDIO THORACIC VASCULAR SURGERY (CTVS) EQUIPMENTS AND COLOUR DOPPLER SYSTEM IN THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVERNMENT OF WEST BENGAL.

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-44/2015

Dated-09.12.2015

The following amendments have been made in the tender document,

### Schedule-I

#### Amendment – I (Revision of Technical Specification)

The revised technical specifications for the item is given below,

#### Advance Coagulation System

Micro-processor based isolated electro surgical diathermy unit compatible with Argon Coagulator system, designed for all open and laparoscopic surgeries with monopolar and bipolar modes.

1. Highest power efficiency rating
2. Real time tissue impedance monitoring technology to deliver the selected power perfectly into a wide range of tissue types reducing thermal spread, RF interference and Neuro muscular stimulation and sparks.
3. Monitoring and alert for return electrode contact.
4. Facilitating two surgeons simultaneously during a surgery.
5. Numeric Error system inbuilt.
6. With a single button, previous power setting can be recalled.

7. Type CF Equipment (IEC 601-1 & IEC 601-2-2) Defibrillator Proof
8. CE & US FDA approved product.
9. Facilitating Under water cutting with coagulating.
10. Spray mode with Highest Crest Factor (7.4-15)
11. Compatible with Smoke Evacuator system, Argon Plasma Coagulator system and CUSA Auto self test, recall for last settings.  
Control by pencil switch or foot switch with protection to recognize COAG  
Operative modes have identification by different audio tones and different panel lights.

### Output Characteristics

#### Bipolar

Low/Precise : 350 -470 KHZ sinusoid

Force/Standard: 350 -470 KHZ sinusoid

Soft/Macro: 350 -470 KHZ sinusoid

#### Monopolar Cut

Low: 350 -400 khz sinusoid. Similar to the pure cut mode except the maximum voltage is limited to a lower value.

Pure: 350 -400 khz sinusoid.

Blend: 350 -400 khz sinusoid. recurring at 27 khz intervals, 25 - 50% duty cycle envelope

#### Monopolar Coag

Desiccate : 220 -400 khz sinusoid

Fulgurate : 350 -400 khz damped sinusoidal bursts

Spray : with 350-400 khz damped sinusoidal bursts

**Note: The bidder should quote the rate of the following re-usable consumable, if any in Form 10 (a)**

1. Long Spatula Electrode in single box pack, 2. Disposable pad, (50 nos. in a box pack for adult/neonatal/pediatric) 3. Pencil with electrode, (50 nos. in a box pack) 4. Reusable Bipolar Forceps, 5. Reusable non-stick Bipolar Forceps in single box pack (optional).