

## 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-III

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

The revised technical specifications for the item is given below,

#### Heater cooler unit

1. Separate heating and cooling line with 2 tanks for Oxygenator and Cardioplegia delivery system respectively
2. Setting for keeping temperature gradients between blood and water temperature
3. To work with power supply of 220-240V / 50-60Hz
4. Pressure regulated blanket ports maintaining the temperature of the arterial port
5. Temperature display range of 1-41° Celsius; remote accuracy of  $\pm 0.3^{\circ}$  Celsius
6. Microprocessor based unit of control, cool, re-warm and maintain temperature
7. Water outlet temperature of heat exchanger and blanket range 3-41°C

8. Maximum flow performance of Oxygenator heat exchanger supply port 21-LPM for fast cooling; 2.4 bar maximum pressure for Oxygenator + blanket circulation; and 0.4 bar for Cardioplegia circulation with water flow of 7 LPM
9. Built in ice maker to provide 14 kgs of ice in about 4 hours from 20 °C water
10. Should be capable of providing ice water for Cardioplegia independently with variable cooling rate
11. Re-warming or cooling facility with venous difference mode settable at 6 to 10 °C gradients to hold the water bath temperature at higher or lower than the venous blood temperature
12. Should be provided blanket Adult –1 no. & paediatric–1 no.
13. CE & US FDA approved product.