

Amendment – VII

Notice Inviting e-Tender

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**SUPPLY OF PULSE GENERATOR IN THE HOSPITAL OF THE GOVERNMENT OF
WEST BENGAL.**

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-27/2014

Dated- 10.04.2014

The specifications of the equipment have been revised by the tender committee after considering the suggestions and feedbacks of the prospective bidders present in the pre-bid meeting held on 17.04.2014

Revised Technical Specification for Pulse Generator System

- 1. Mode of Operation:** Demand or Asynchronous
- 2. Voltage output (Variable in 0.1V unit):** 0.1-12 V with Accuracy $\pm 10\%$ or 0.05V
- 3. Pulse rate(variable in 1ppm units):** 30 -180 or more ppm with Accuracy $\pm 7.5\%$
- 4. Overdrive Pacing (variable in 1ppm units):** 60-540 ppm with Accuracy $\pm 7.5\%$
- 5. Pulse duration:** 0.75-1.5 ms with Accuracy $\pm 10\%$
- 6. Interference rate (asynchronous):** Selected rate
- 7. Inhibit sensitivity (variable in 0.1mV units):** 1 to 16 mV or more

8. Refractory period(fixed): 250 ms with Accuracy $\pm 10\%$

9. Dimensions (in millimetres): 178 x137 x 112 or smaller in Volume

10. Weight [with batterie(s)]: < 200 gm

11. Controls

All controls are to be located on the face and are to be protected by a transparent cover.

12. Sensitivity

This control adjusts the R-wave sensing level. It is continuously variable from 1 to 16 mV or more. There should also be an ASYNCH position at the full counter-clockwise detent. Selection of the ASYNCH position will incapacitate sensing.

13. Output

This control adjusts the amplitude of the pacing pulse over the calibrated range of 0.1 to 12 volts.

14. Rate

This control adjusts the frequency at which pacing pulses are generated over the continuously variable range of 30 to 180 ppm. There should also be separate rapid stimulation controls for high rate atrial pacing only.

15. Rapid stimulation

An independent set of controls is provided for implementation of this function.

16. Environmental Factors

- The Unit shall be capable of being store continuously in ambient temperature of 10 - 40°C & relative humidity of 15 - 90%
- Shall be capable of operating continuously in ambient temperature of 10 - 40°C & relative humidity of 15 - 90%

17. Power Back-up

- Power back-up to be by 9 volt

18. Standards, Safety & Training

- Should be USA FDA and CE approved product
- Alarm System
 - Alarm for low battery
 - Indication if disconnected
 - Alarm Silencer
- Should have local service facility. The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual
- Comprehensive warranty for 5 years and provision of CMC for next 5 years
- User manual in English
- Service manual in English
- List of important accessories (including Velcro Strap, Cable Adapter & Patient Cable- 5 ft approx.) with their part number and costing
- Certificate of calibration and inspection from factory
- List of equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual

Must submit user list and performance report within last 5 years from major hospitals.