

**Notice Inviting e-Tender**  
**West Bengal Medical Services Corporation Limited**  
**Swasthya Bhawan Complex**  
**GN-29, Salt Lake, Sector-V**  
**Kolkata-700091**

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SUPPLY OF PULSE GENERATOR IN THE HOSPITALS AND MEDICAL COLLEGES OF  
THE GOVERNMENT OF WEST BENGAL.

Bid Reference No.: WBMSCL/NIT- 42 /2014

Dated- 17.06.2014

Date of issue: 25.06.2014

The following amendment has been made in the tender document,

**Amendment I** (Revision of Technical Specification)

**Revised Technical Specifications for Pulse Generator System**

1. **Mode of Operation:** Demand or Asynchronous
2. **Voltage output:** 0.3 -12 V or wider with Accuracy $\pm$  10% or 0.05V
3. **Pulse rate:** 30 -180 or more ppm with Accuracy  $\pm$ 10%
4. **Overdrive Pacing :** 60-540 ppm or wider with Accuracy  $\pm$ 10%
5. **Pulse duration:** 0.75-1.5 ms with Accuracy  $\pm$ 10%
6. **Interference rate (asynchronous):** Selected rate
7. **Inhibit sensitivity:** 1 to 16 mV or more
8. **Refractory period(fixed):** 250 ms with Accuracy  $\pm$ 10%
9. **Dimensions (in milimetres):** 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 0.3 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 stored continuously in ambient temperature of 10 - 30°C or wider & relative humidity of 30 - 70% or wider
- Shall be capable of operating continuously in ambient temperature of 10 - 40°C & relative humidity of 30 - 70% or wider

## **17. Power Back-up**

- Power back-up to be by 9 volt

## **18. Standards, Safety & Training**

- Should be USA FDA and CE approved product
- Adequate Alarm System

Alarm/ indication for low battery

19. 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
20. Comprehensive warranty for 5 years and provision of CMC for next 5 years
21. User manual in English
22. Service manual in English
23. List of important accessories (including Velcro Strap, Cable Adapter & patient Cable- 5 ft approx.) with their part number and costing
24. Certificate of calibration and inspection from factory
25. List of equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual
26. Must submit user list and performance report within last 5 years from major hospitals.

## **Amendment II**

**Replace the following** (marked in Red) (In Page : 14)

**b. BID - B** (Should be in multiple page single PDF file)

1	Model of the equipment offered for <b>(Self Declaration)</b>
2	Compliance Statement of the Technical Specifications <b>(Form No. 3 of Section V)</b>
3	One set of Brochure of the offered product / model.
4	CE ("Conformité Européene") & US FDA approval Certificate of the offered model, as applicable. CE ("Conformité Européene") Certificate should be from EU Notified Bodies authorized to conduct audits.
5	Self Certificate quoting the number of Service personnel of the Company maintaining Pulse Generator within the country as well as West Bengal in company pay roll

## AS UNDER

b. **BID - B** (Should be in multiple page single PDF file)

1	Model of the equipment offered for <b>(Self Declaration)</b>
2	Compliance Statement of the Technical Specifications <b>(Form No. 3</b> of Section V)
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4	CE ("Conformité Européene") & US FDA approval Certificate of the offered model, as applicable. CE ("Conformité Européene") Certificate should be from EU Notified Bodies authorized to conduct audits.
5	Self Certificate quoting the number of Service personnel of the Company maintaining Pulse Generator within the country.

### Amendment III

Replace the following (marked in Red) (In Page : 47)

<b>BID - B</b>				
Sl. No.	Activity	Yes/No/NA	Page No in the Bid	Remark
14	Model of the equipment offered for <b>(Self Declaration)</b>			
15	Comparative Data Table of the Technical Specifications <b>(Form No. 3</b> of Section V)			
16	One set of Brochure of the offered product / model.			
17	CE ("Conformité Européene") Certificate of the offered model, as applicable CE ("Conformité Européene") Certificate should be from EU Notified Bodies authorized to conduct audits.			
18	US FDA approval Certificate of the offered model, as applicable			

19	Self Certificate quoting the number of Service personnel of the Company maintaining Pulse Generator within the country as well as West Bengal in company pay roll			
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**AS UNDER**

<b>BID - B</b>				
Sl. No.	Activity	Yes/No/NA	Page No in the Bid	Remark
14	Model of the equipment offered for <b>(Self Declaration)</b>			
15	Comparative Data Table of the Technical Specifications (Form No. 3 of Section V)			
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18	US FDA approval Certificate of the offered model, as applicable			
19	Self Certificate quoting the number of Service personnel of the Company maintaining Pulse Generator within the country.			

## Amendment IV

Replace the following (marked in Red) (In Page : 44)

- (e) The Comprehensive maintenance Contract (Including Spare Parts)
- (i) The Purchaser/ Consignees/ Government of WB, may, at his own and sole discretion enter into a Comprehensive Maintenance Contract (CMC) with the Supplier at the contracted price.
  - (ii) The supplier shall visit each consignee site as recommended in the manufacturer's technical/ service operational manual, but at least once in three months during the CMC period for preventive maintenance.

### AS UNDER

- (e) The Comprehensive maintenance Contract (Including Spare Parts)
- (i) The Purchaser/ Consignees/ Government of WB, may, at his own and sole discretion enter into a Comprehensive Maintenance Contract (CMC) with the Supplier at the contracted price.
  - (ii) The supplier shall visit each consignee site as recommended in the manufacturer's technical/ service operational manual, but at least once in **six months** during the CMC period for preventive maintenance.

## Amendment V

Replace the following (marked in Red) (In Page : 36)

- (iii) The Comprehensive Annual Maintenance and Repair charges (after Warranty period) shall be paid quarterly in four equal instalments.

### AS UNDER

- (iii) The Comprehensive Annual Maintenance and Repair charges (after Warranty period) shall be paid **half-yearly in two equal** instalments.