

24.04.2018

TAMILNADU MEDICAL SERVICES CORPORATION LTD.,
TENDER FOR FIXING RATE CONTRACT FOR SUPPLY AND INSTALLATION OF
BIS MONITORING TO DEPT. OF ANESTHESIA AT GOVT. RAJAJI HOSPITAL,
MADURAI UNDER PMSSY SCHEME

TENDER NO.178/MON/PMSSY-GRHM/TNMSC/ENGG/2017, DT.01.08.2017

Corrigendum

a) The following corrigendum are furnished:-

Sl. No.	Tender Document Reference	Instead of	Read as
1.	Page No.1, 3 & 5	Tender for fixing rate contract for supply and installation of BIS Monitoring to Dept. of Anesthesia at Govt. Rajaji Hospital, Madurai under PMSSY Scheme	Tender for fixing rate contract for supply and installation of Depth of Anaesthesia Monitor to Dept. of Anesthesia at Govt. Rajaji Hospital, Madurai under PMSSY Scheme
2.	Page No.52 Section V: Schedule of Requirements	Existing Text	Revised Text at Annexure - I
3.	Page No.54 & 55 Section VI: Technical Specification	Existing Text	Revised Text at Annexure - II
4.	Page No.61 Section VII: Bid Form and Price Schedule	Existing Text	Revised Text at Annexure - III

b) The following clarification are furnished:-

SI. No.	Tender Document Reference	Point Raised	Clarification furnished
1.	<p>Page No.54 Section VI: Technical Specification</p> <p>1. Specification for BIS Monitor</p> <ul style="list-style-type: none"> • <u>Monitor weight: 4.5lbs (2-3 kg) approx.</u> • <u>Monitor Dimensions: 7.5-10 in wide x 8 in high x 5 in deep (19cmx20.3cmx12.7cm).</u> • <u>Display size: 4 in high x 5.25 in wide (10cm x 13cm)</u> 	Request to delete this point	<p>The ranges of weight and dimension can be accepted provided there is no compromise in the quality of the monitor.</p> <p>Hence, Published specification prevails</p>
2.	<p>Page No.54 Section VI: Technical Specification</p> <p>1. Specification for BIS Monitor</p> <ul style="list-style-type: none"> • <u>Weight: 10.0 oz or (0.284 kg) approx. including integral cable.</u> • <u>Dimensions: 3.75 in wide x 2.5 in high (9.5cm x 6.3 cm) approx.</u> • <u>Cable length: 9 ft (2.7m) integral, Cable .4 and ½ ft (1.4m) from the unit to sensor connector.</u> 	Request to delete this point	<p>The ranges of weight and dimension can be accepted provided there is no compromise in the quality of the monitor.</p> <p>Hence, Published specification prevails</p>

Sl. No.	Tender Document Reference	Point Raised	Clarification furnished
3.	Page No.54 Section VI: Technical Specification 1. Specification for BIS Monitor <ul style="list-style-type: none"> • <u>Sampling rate: 16,384 samples/second.</u> 	Request to mention the range.	No Change. Hence, Published specification prevails
4.	Page No.54 Section VI: Technical Specification 1. Specification for BIS Monitor <ul style="list-style-type: none"> • Common Mode Rejection (Isolation Mode): 110 dB at 50/60 Hz to earth ground. • Frequency/Bandwidth: 0.16-450 Hz. 	Request to mention the range.	No Change. Hence, Published specification prevails
5.	Page No.54 & 55 Section VI: Technical Specification 1. Specification for BIS Monitor	Request to add the monitor should have HL7 ready for connectivity and to use as hub for connecting atleast 3 any third party devices such as ventilator, workstation, pumps etc.	No Change. Hence, Published specification prevails
6.	Page No.54 & 55 Section VI: Technical Specification 1. Specification for BIS Monitor	Request to modify to the new technology to measure EEG by 4 spectral, which will be a measure on both sides of brain. Besides it will give more information of the brain like spectral edge frequency both left and right, colour coding of EEG waveforms with Density	The advanced neuro monitoring parameters like Density spectral array and spectral edge frequency is not needed for a routine depth of anesthesia monitoring

Sl. No.	Tender Document Reference	Point Raised	Clarification furnished
		Spectral Array (DSA) for the waveforms delta, alpha, beta, theta from 0.5 Hz to 30 Hz.	
7.	Page No.54 & 55 Section VI: Technical Specification 1. Specification for BIS Monitor	Request to include the advanced parameter like Cerebral Oximetry, Multigas monitoring available in the same monitor as optional upgrade.	If the upgrade option is available without extra cost, it is accepted.

All other terms and conditions of the tender remain unaltered.

The above forms part of the bidding documents. The bidder shall attach the copy of this corrigendum duly signed by their authorized signatory, in their bid.

Sd/-
General Manager (E)

**SECTION – V - REVISED
SCHEDULE OF REQUIREMENTS**

Sch. No.	Brief Description	Unit	Qty.	Bid security (Rs.)
1.	Depth of Anaesthesia Monitor as per specification	Nos.	8	Rs. 32,000/-

Delivery Schedule: - 30 days from the date of purchase order.

Place of Delivery:- The above equipment is delivered at Dept. of Anesthesia, Govt. Rajaji Hospital, Madurai under PMSSY Scheme.

Note :

- 1) The rate contract should be valid for a period of 2 years from the date of acceptance of the tender and extendable for further period on mutual acceptance.
- 2) The quantity indicated in tentative and will vary as per the actual requirement during the rate contract period. The supplier should have no claim against the purchase on the actual quantity of orders placed during the rate contract period.
- 3) However, during the rate contract period, further quantity may be ordered for any other Govt. Medical Institutions at the same rate and terms & conditions.

SECTION VI : TECHNICAL SPECIFICATIONS - REVISED

1. SPECIFICATIONS FOR DEPTH OF ANAESTHESIA MONITOR

General specifications

- Product Description: Bispectral Index monitoring system for display of processed data and real-time EEG waveforms.
- Monitor weight: 4.5lbs (2-3 kg) approx.
- Monitor Dimensions: 7.5-10 in wide x 8 in high x 5 in deep (19cmx20.3cmx12.7cm) approx.
- Display size: 4 in high x 5.25 in wide (10cm x 13cm) approx.
- A minimum of 10" color touch screen monitor is required.
- Digital Output: USB Ports A B, RS2332 serial port
- Power requirement: 100-240 V AC, 50-60 Hz, 0.7 ampere max.
- Electrical safety: should conforms to: UL 60601-1, IEC 60601-2-26, CAN/C22.2#604.1.
- Battery should be minimum of 3 hours.
- Recharge time: 6 hours.
- Software updates: user-via USB port (Type A).

Monitor Interface Unit specification:

- Weight: 10.0 oz or (0.284 kg) approx. including integral cable.
- Dimensions: 3.75 in wide x 2.5 in high (9.5cm x 6.3 cm) approx.
- Cable length: 9 ft (2.7m) integral, Cable .4 and ½ ft (1.4m) from the unit to sensor connector.
- Analog to Digital Converter: Noise –shaped sigma data
- Sampling rate: 16,384 samples/second.
- Resolution: 16 bits at 256 samples/second.
- Input Impedance: 50 M ohms typical.
- Noise: <0.3 mic VRMS (2.0 mic V peak-to-peak); 0.25 Hz to 50 Hz.
- Common Mode Rejection (Isolation Mode): 110 dB at 50/60 Hz to earth ground.
- Frequency/Bandwidth: 0.16-450 Hz.

EEG Specifications:-

- Epoch duration: 2 seconds.
- Artifact rejection: Automatic
- EEG Scales: 25 micV/div (+/- 1 mV full scale)
- EEG Sweep Speeds: 25mm/sec
- Computed parameters: Bi-spectral Index, suppression ratio, EMG, Signal quality Index and Burst Count.
- User defined displays: Trend and Real-time EEG waveforms.
- Update Rate: 1 second for BIS number, 10 seconds for Trend
- Event Markers: Recording facility with pen drive is acceptable.
- Alarms: Auditory and visual, user adjustable limits.
- Filters: ON (2-70 Hz with notch) or OFF (25-100 Hz)
- Mode: Sensor automatically selects mode.
- Should be supplied with following:-
 - a) 2 Channeled Adult Sensor – 2
 - b) Paediatric Sensor - 1

General conditions:

1. All Equipment should be USFDA/CE (European)/UL/DGCI approved for medical use.
2. Manufactures/Suppliers should have ISO certification for Quality Standards.
3. Electrical safety conforms to standards for electrical safety IEC-60601 or better-general requirements.
4. Certificate of calibration and inspection.

Note: Bidders shall furnish technical compliance statement for the model quoted , details of manufacturer including deviations if any. Technical catalogue /data sheet shall also be furnished in support of technical compliance statement with out fail.

ANNEXURE -III

PRICE SCHEDULE - REVISED

1	2	3	4	5					6	7	8
				PRICE FOR EACH UNIT							
Sch No.	Item Description	Country of origin	Quantity & Unit	Ex-factory Ex-warehouse Ex-showroom off-the shelf for CIF (a)	Packing & forwarding (b)	Inland transport, Insurance and Incidental costs incidental to delivery (c)	Incidental services as listed in clause 7 of SCC (d)	Custom s duty (e)	Unit price a+b+c+d+e	Total price per schedule for delivery at final destination (4 x 6)	GST – IGST/CGS T/ SGST payable if contract is awarded
1.	Depth of Anaesthesia Monitor as per specification		8 Nos.								

i. Unit price in (6) (Rs. in words)

1. Depth of Anaesthesia Monitor as per specification with HSN code/ rate of GST.....

a) Annual Maintenance Charges (labour only) per year /per unit for 5 years after 5 years free warranty maintenance period

1. Depth of Anaesthesia Monitor as per specification with HSN code/ rate of GST.....

b) Annual Maintenance Charges (Comprehensive) for 5 years / per year / per unit after free warranty maintenance period

1. Depth of Anaesthesia Monitor as per specification with HSN code/ rate of GST.....

Note:

- (a) In case of discrepancy between unit price and total price, the unit price shall prevail.
- (b) **This price schedule should be placed in separate sealed cover “Cover B”**
- (c) **GST applicable for Annual Maintenance Charges shall be indicated separately.**
- (d) **The bidder should indicate the HSN code of the equipment/ service and applicable GST rates.**
- (e) **The bidder should quote for the prices separately from column 5(a) to 5(e) and should not state “as inclusive”.**

Place :

Signature of Bidder.....

Date :

Name

Business Address