

अखिल भारतीय आयुर्विज्ञान संस्थान, रायपुर (छत्तीसगढ़)
All India Institute of Medical Sciences, Raipur (Chhattisgarh)
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AIIMS/R/HS/G/2020/155/0169

Date: 18-04-2020

Inviting Quotations for procurement of Nerve Stimulator with Mapper for A-1 4th Floor MOT, Department of Anesthesiology at AIIMS, Raipur.

QUOTATION NOTICE

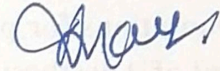
Sealed quotations are invited from intending registered Stockist / Distributors having GST and relevant documents for procurement of Nerve Stimulator with Mapper for A-1 4th Floor MOT, Department of Anesthesiology at AIIMS, Raipur. The quotation with copy of certificate of GST & other documents should be submitted to office of **Hospital Stores, Room No. – 146, C-1 Block, Opp. Department of Nuclear Medicine, Gate No.01, AIIMS, Raipur** or through email on [storesofficer.hp\(@aiimsraipur.edu.in](mailto:storesofficer.hp(@aiimsraipur.edu.in) up to **21-04-2020 before 03:00 pm**. The quotations will be opened on the same day at 03:30 pm. Details of item are given as under:-

Sl.	Name of Item	Quantity	Unit	HSN	Brand/	Unit	GST			Amount
01	Nerve Stimulator with Mapper Specification : As per Annexure-I	01	Nos							
	Grand Total									

Terms & Condition :

1. Firm to mention Make/Brand name in their quotation.
2. Taxes, if any (Kindly mention in above table) should be clearly mentioned in the offer.
3. Document relating to registration of firm i.e. GST and relevant document should be submitted along with quotation.
4. Products are certified from European CE & USFDA as applicable, the Certificate to this effect should be attached.
5. Supply should be done within 15 days after Placement of PO.
6. Price should be FOR Destination basis (i.e. concerned department).
7. 100% Payment will be released after certification from concerned department.
8. **Quotation Name/No. and due date of opening must be mentioned on top of envelops.**
9. LD @ 0.5% of delayed supply per week or part of week for delay of supply of material subject to maximum up to 10% of delayed supply to be deducted.
10. AIIMS Raipur reserves the right to place order for full or part quantity to one or more firms. The AIIMS, Raipur reserves the right to increase/decrease the number of required quantity.
11. All other terms & condition as per GCC applicable.

12. Material to be delivered at A-1 4th Floor MOT Ward, Department of Anesthesiology, Raipur.
13. Validity of the quotation should be 90 days from the date of opening.
14. Firm to submit documentary evidence in support of their claim for GST at the time of submission of bills.
15. Firm to submit sample if required.



V. Sitaramu
Stores Officer-H
AIIMS, Raipur (CG)

QUOTATION NOTICE

Sl. No.	Name of Item	Quantity	Unit	Brand	Rate	GST	Amount
1	100% Cotton Cloth	100	Mtr	None			
2	100% Cotton Cloth	100	Mtr	None			
3	100% Cotton Cloth	100	Mtr	None			
4	100% Cotton Cloth	100	Mtr	None			
5	100% Cotton Cloth	100	Mtr	None			
6	100% Cotton Cloth	100	Mtr	None			
7	100% Cotton Cloth	100	Mtr	None			
8	100% Cotton Cloth	100	Mtr	None			
9	100% Cotton Cloth	100	Mtr	None			
10	100% Cotton Cloth	100	Mtr	None			

APR 2018

Specification for Nerve Stimulator with Mapper
Make - Stimuplex HNS 12 with Sense feature

Annexure- I

Technical Details-

- Instrument Type : BF
- Battery : 9V(alkaline)
- Power Consumption : 6 mA (*mA max)
- Stimulation current : 5 mA max (0-12 k)
- Stimulation Voltage : 95 V
- Stimulation frequency : 1 Hz / 2 Hz
- Allowable load impedance : 0 k - 12 k
- Stimulation duration : 1.0 ms - 0.5 ms - 0.3 ms 0.1 ms - 0.05 ms
- Sense Function Stimulation duration: SENSE (0.10 ms - 0.10 ms - 0.15 ms to 1.0 ms)
- Current measurement accuracy : +/- 0.02 mA
- Impedence measuring range : 1 KOhms - 90 KOhms for target stimulation current >0.5 mA
- Weight : 250 g
- Battery : Use Only 9V alkaline manganese batteries (eg, Duracell MN 1604)

Factory Setting:

- Max Current : 5mA
- Stimulus duration : 0.1 ms
- Stimulation Frequency : 2 Hz
- Automatic switch off : 20 min
- Current threshold : Off
- Language : English

Feature that are user friendly and ensures safety, large full graphics display:

The enlarged full graphics LC display gives you all necessary information at a glance. Good visibility is ensured by a wide angle of view. The following information is displayed on the stimulation screen at all times:

- Stimulus amplitude in mA (large digits)
- Current range :
- Stimulus duration - 0.1 ms
- Stimulus frequency in HZ
- Load impedance in K Ω
- Charge delivered (in nC, if activated)

Digital dial

Precise and Tactile current adjustment with convenient tactile feedback.

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Direct access keys

Direct access keys let you conveniently adapt the most important and frequently used setting to the clinical environment. (amplitude range - mA)

Convenient menu navigation

Adjust your default setting conveniently by navigation through the menu with the arrow keys on the menu keypad . just press the power on/off button for less than a second to jump back to the stimulation screen.

Sequential electrical nerve stimulation (SENSe) – The stimuplex® HNS 12 nerve Stimulator features the options of selecting a frequency of either 1 Hz, 2Hz or 3 Hz for SENSe and a stimulus duration of 0.05 ms – 0.10 ms – 0.30 ms – 0.50 ms – 1.00 ms.

Sequential electrical nerve stimulation (SENSe) technique utilizes an alternating sequenced stream or series of three electrical pulses of varying pulse duration at any given amperage. The two accurate 0.1 ms pulses are sequenced with a pulse of longer duration (e.g. 0.3 ms). A longer duration pulse elicits motor responses at greater distance at lower frequency, increasing sensitivity and specificity by adding a third, longer pulse. This acts like a homing signal to elicit a motor response even when the needle is far from or not aimed directly at the nerve.

The shorter pulses maintain the accuracy underlying successful nerve location, whereas the longer duration pulse enables stimulation at a greater distance.

The results in getting the first muscle twitch already at a distance from the nerve and requires less adjustment to the amperage control, while maintaining the visual feedback.

Safety Features

▪ Threshold current-

This option can be used to visually and acoustically indicate when the stimulus duration – dependent current threshold goes out – of tolerance indicating that the needle may be too close to the nerve.

• **Visual warning :**

The full digital of the target current display are converted to contoured digits when the current threshold drops below the present level.
The LED flash yellow (instead of green).

• **Acoustic warning :** A warning signal is additionally sounded.

Stimulus duration ms	0.05	0.10	0.30	0.50	1.00
Current threshold mA	0.50	0.30	0.20	0.15	0.10

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▪ **Impedance check**

The HNS 12 alarms you to unacceptable importance level that can be caused by a loose electrode cable or dry skin electrode.

- **Auto adjust current feature-** the current is adjusted automatically when the stimulus duration is changed.

User Benefits

- Advanced ergonomics: Ergonomics shape and large display
- Digital ratchet dial for precise and tactile current adjustment
- Alarm screens and acoustic signals inform the user of any relevant deviation
- Direct access keys allow quick switching between stimulus current and impulse duration.
- Easy – to navigate menu for selecting values and advanced setting.

Additional special features : - Optional Accessories

Stimuplex® Pen- The new Stimuplex® Pen for percutaneous nerve mapping. It helps to pre-assess the puncture site. Also suitable for training sessions.

Features : Disposable stimulation needles for single shot & continuous technique

HNS 12 Sense is to be used along with our well – proven range of stimulation needles (Stimuplex® for single shot technique & Contiplex® Sets for continuous technique for effective blockade.)

Certification- European CE and USFDA Certified.

Warranty – One Year from the date of installation.

Handwritten signature