
 सत्यमेव जयते	ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA JODHPUR ROMANA, MANDI DABWALI ROAD, BATHINDA, PUNJAB- 151001 ਅਖਿਲ ਭਾਰਤੀ ਆਯੁਰਵਿਗਿਆਨ ਸੰਸਥਾਨ, ਬਠਿੰਡਾ ਅਖਿਲ ਭਾਰਤੀ ਆਯੁਰਵਿਗਿਆਨ ਸੰਸਥਾਨ, ਬਠਿੰਡਾ PROCUREMENT CELL	
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No. AIIMS Bathinda/Procurement/NOC/ 1481

02 Dec 2022

Subject: Purchase of "Advanced Navigation System for Cranial and Spinal Navigation System" on Proprietary basis- **Inviting Comments thereon.**

The request received from Department of Neurosurgery, AIIMS Bathinda for the purchase of Advanced Navigation System for Cranial and Spinal Navigation System from **M/s Medirover, C-25, 1st Floor, Sector-8, Noida-201301** authorized distributor of **M/s India Medtronic Private Limited, 1261, Solitaire Corporate Park, Bldg.No 12, 6th floor, Andheri – Ghatkopar Link Road, Andheri East, Mumbai**, a subsidiary of **M/s Medtronic Inc, 710 Medtronic Parkway, Minneapolis, Minnesota 55432, USA** - on Proprietary basis.

The Notice is being uploaded for general information of Aspirant Manufacturer/Dealer/Distributor to submit their objections/proposal, if any, on proprietorship of this item.

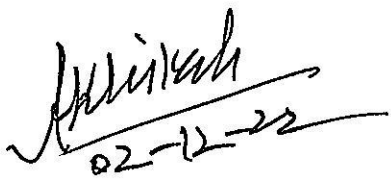
In case, the product of any Manufacturer/Authorized distributor/dealer conforms to the enclosed specifications, they may submit their proposal for the supply same Equipment along with the following: -

- Equipment brochure
- Point-by-Point compliance of the enclosed specifications, along with all relevant documentary evidence:

The objection/proposal should be sent in sealed cover to the **OIC, Procurement Cell, First Floor, C-Block, Admin. Building, AIIMS Bathinda, Mandi Dabwali Road, Bathinda - 151001** so as to reach on or before **16 Dec 2022 up to 12:00 PM.**, failing which it will be presumed that no any other vendor is interested to offer comments/protest and case will be decided accordingly on its merit.

The reference number should be super scribed on sealed envelope.

PROCUREMENT CELL
AIIMS Bathinda


02-12-22
Prof.(Dr.) Akhilesh Pathak
OIC, Procurement Cell

- Enclosed: 1. Technical Specifications
2. PAC Certificate
3. Authorization Letter

1. Technical Specifications

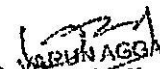
Technical Specification Of Advanced Navigation System For Cranial And Spinal Navigation

General


- The System should be easy to set up user friendly intuitive and should work under Linux/Unix/Windows operating system environment
- The system should be a hybrid system have facility of keeping optical camera and navigation system together or separately to allow optimal use of OVI space. The System should have two monitors one for the surgeon and the other for the OVI Technical staff. A minimum 24" or additional medical grade monitor should be supplied with the system.
- The Surgeon Monitor should be high resolution (1920 x 1200, 60Hz) with a viewable size of 27" widescreen or bigger and the display should be visible at angles at least up to 80°. And the additional medical grade monitor of should be at least 27" widescreen.
- It should have hybrid tracking technology with active and passive instrumentation.
- The system should have Electromagnetic Navigation Module in the same system to support Cranial and Skull base surgeries.
- The System should have the options of Flat Emitter or Side Emitter to support the workflow of the surgeries.
- System should allow electromagnetic based pin less surgery such as tumor resection, shunt placement etc. for adult as well as pediatrics without any compromise on sterility.
- The navigation system must have electromagnetic based dynamic referencing
- The system must have USFDA and CE approval and the quoted model must have at least 10 successful installations in India which are more than 1 years old.
- System should have Wi-fi connectivity for connecting to PACS system for image transfer (optional)
- System should have inbuilt firewall and antivirus security for cyber security.
- Easy access to storage for accessories and instruments
- System should have password security for software access.

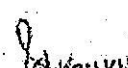
Cranial Application

- The System should have self-descriptive software interface which allow you move quickly through the all cranial procedures workflows and to give you easy access to system-wide tools for common features. System should allow selecting tasks related to procedure as per user preference.
- The system software should have ability to design customized screens profile.
- Should have facility for fiducial marker-less registration.
- The system should have ability to support pre-op examination using CD/DVD/PAC/USB system.


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- The navigation system should have point as well as surface registration with accuracy prediction system. It should also allow combination of point and surface registration techniques for better accuracy.
- It should have universal instrument adapter tracking system to navigate a variety of already in-use surgical instruments like suction, drills, endoscopes, etc. The kit should include adapters as well as trackers of various sizes to ensure hassle free use with instrumentation of various sizes without restricting surgeon's operating and handling field
- The system should include a frameless biopsy system with real-time navigable factory calibrated biopsy needles.
- The System should have ability to create and edit multiple surgical plans.
- The patient reference frame of optical technology should have options to do functions like magnify the images, go to next or back window on software workflow, take a screen shot, to change the screen layout and to respond the command prompt in case to operate the system in sterile field when no one is present on staff cart.
- The navigation system should have hardware & functional planning software for stereotactic surgery including functional stereotactic procedures. This should allow surgeons to pre-operatively or intra-operatively plan complex procedures. The software should re-orient the scan images along the AC-PC plane. The stereotactic system should be adaptable to major frames like Leksell and CRW. Or an additional planning system should be provided with the system for planning of functional neurosurgery/stereotactic procedures.
- The navigation system should have fiber tracking software that allows surgeons and staff to prepare, plan, etc. the fiber tracts from raw MRI tractography data. The fiber tracking software should enable surgeon to build and manipulate tracks pre-operatively as well as intraoperatively. The fiber tracking software is used for planning for complex procedure like tumor surgeries that are located near areas of the brain responsible for some vital functions. The system should have streamlined interface to import and process diffusion-weighted MRI scans and enables routine of implementation of DTI processing. The system should also allow advanced visualization of structures and seamless import of DTI unprocessed datasets and allows intraoperative tensor calculation and fibers seeding manipulation or planning and fiber tracks and fiber track visualization. Or an additional planning system must be provided with the navigation system to perform the mentioned functions.
- The system should have 3D graphics capability and software to merge CT & MRI images.
- Look ahead view capability to show the images at 1mm to 150mm (increments of 5mm) in front of the probe.
- The system should have Virtual Projection option with adjustable width and length of the probe order to get better trajectory understanding.
- Every instrument should have facility to be compatible with both a right- and left-handed surgeon.
- The navigation software should be able to correlate with pre-operative MR/CT images. These images should have view side by side or overlaid.

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- The system should have ability to draw brain, tumor, vessels & ventricles as in 2D images and 3D model. Software should have easy and advanced options which help build models of user choice.
- Interactive fiber tracking and output tracts to navigation system
- Software should fuse fMRI activation maps into the software and viewed 3D model in Navigation
- Software should have video recording and snapshot capture feature to capture the navigation screen.

Spine Application

- The Spine Application should be a unified Spine Application which should comprise of 3D Spine (Spine Navigation with Spine CT Data) and Virtual Fluoroscopy Navigation for Spine.
- The Application should be able to memorize multiple surgeon preferences for each procedure
- There should be a wireless control from the sterile field in form of surgeon mouse or touchscreen capability
- It should be able to do a customized setup and automated functionality check
- It should have universal instrument adapter tracking system with passive option for tracking existing instruments in the department
- The system should have image guided spinal instruments like Awl/Probe/Tap system with straight or T-handles option
- Transfer of spine exams to the navigation system should be possible with USB stick.
- The System should have Navigation instruments for Minimal Invasive Spine Procedure with minimally invasive clamps, etc.
- The System should have Navigable instruments for treating upper spine with e.g., range of tups, drill bits, screwdriver.
- Spinal navigation package should allow the application of region mapping and pre-op screw planning
- Software should have capability to merge CT and Fluoroscopic images for Navigation.
- Software should automatically identify new instruments for tracking.
- Should come with factory calibrated Jamshidi Needle that is real-time navigable without even a single step calibration in Operation Theatre. The Jamshidi Needle also be such it can integrate the existing navigation and nerve monitoring system in the Operation Theatre.
- Should come with a factory calibrated high speed drill that is real-time navigable and fixed with a factory calibrated tracker without any calibration requirement in Operation Theatre. The factory calibrated high speed drill handpiece should be compatible with the existing drill system in the Operation Theatre. The drill handpiece should be navigable for both cranial and spine procedures.
- Should come with a C-Arm integration kit for seamless integration of the system with C-Arm.

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- Proper size containers should be provided for sterilization of instruments with silicon pad.
- Consumable for first 100 cases should be provided.
- User manuals should be in English. If necessary Proper training programmes/workshop should be arranged and trained manpower support for at least for initial 30 cases after installation or up to a period when the staff/technicians at AIIMS Bathinda are trained in usage, handling, storage and proper sterilization methods of supplied equipment has to be ensured by the bidder.
- All items should be US FDA /European CE/BIS certified.
- Instruments not exactly as per description below but with similar functionality will be considered.
- Cost of Consumable should be quoted for future purchase and freeze for 2 years.
- Demo of the quoted model (Anywhere across the globe), will be mandatory at the cost of bidder if so desired by the user, after the opening of the technical bid and prior to opening of financial bid. This is for technical evaluation
- Should perform calibration yearly & preventive maintenance half yearly during warranty & CMC which will include spares replacement, Preventive Maintenance & Breakdown calls.
- Warranty: 5 years onsite comprehensive including spares +5 years CMC
- Compliance report to be submitted in a tabulated and point-wise manner, clearly mentioning the page/ para number with authenticated catalogue /manual, without which it will not be considered. Points not covered in the brochure must be specifically addressed in a separate certificate.
- Quoting company should have relevant experience in successful execution of similar work in at least 3 to 4 institute of national importance or central government institute. and performance certificate of the same should be attached.


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3. Authorization Letter

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Medtronic

India Medtronic Pvt. Ltd.

November 4, 2022

To,
The Director,
All India Institute of Medical Sciences
Bathinda, Mandi Dabwali Road, Bathinda
(Punjab)- 249201.

Subject Procurement of Advanced Navigation system for cranial & spinal navigation for Neurosurgery department.

Dear Sir/Ma'am,

We, India Medtronic Private Limited, having our registered office address at 1261, Solitaire Corporate Park, Bldg. No. 12, 6th Floor, Andheri - Ghatkopar Link Road, Andheri (East), Mumbai - 400093, India. ("India Medtronic"), are the subsidiary of Medtronic Inc. with address at 710 Medtronic Parkway, Minneapolis, Minnesota 55432, USA., who are the manufacturers of Medtronic range of medical devices, hereby certify that Medrover, having its principal place of business at C-25, 1st Floor, Sector-8, Noida-201301, is as on today and until 30th April 2023, an authorized distributor of India Medtronic Private Limited for Advanced Navigation system for cranial & spinal navigation for Neurosurgery department.

No company or firm or individual other than Medrover, C-25, 1st Floor, Sector-8, Noida-201301 is authorized to bid, negotiate and conclude the contract in regard to this business against this specific subject matter

As a company policy, all our agreements with independent distributors are renewed once in two (2) years. Further, we wish to confirm to you that in case the distributor agreement with Medrover is not extended or terminated for any reason whatsoever, India Medtronic Private Limited undertakes to meet the servicing, importing, honoring warranty and product quality related legal obligations incumbent on reputable suppliers with respect to supplies made.

We further certify the technical adequacy and expertise of the above products offered by us to Medrover and we will provide them with back up support for and technical updates.

Yours Faithfully,
For India Medtronic Pvt Ltd

Digitally signed
by Mahesh Bhatia
Date: 2022.11.04
13:18:07 +0530'

Authorized Signatory
Mahesh Bhatia
Country Sales Manager - Neurosurgery & CST North and East

Address: 1261, Solitaire Corporate Park, Bldg No 12, 6th Floor, Andheri - Ghatkopar Link Road, Andheri (East), Mumbai - 400093, India.

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