

All-India Institute of Medical Sciences
Ansari Nagar, New Delhi-29
(RESEARCH SECTION)

Ref. No. 33/Prop/N.S/A.S/22-23/Rs

Dated: - 01/03/23

Subject: Procurement of 8 (Eight) Channel wireless EEG System - 01 Nos Inviting comments thereon.

The request has been received from Dr. Ashish Suri, Professor, Dept of Neurosurgery, AIIMS, to purchase the subject item from M/s. Mediworks. (Mfg: M/s. Mentalab GmbH Weinstr Munich Germany, on proprietary basis. The proposals submitted by M/s. Mediworks. (Mfg: M/s. Mentalab GmbH Weinstr Munich Germany, and Performa Invoice and Departmental PAC certifications are attached.

The above documents are being uploaded for open information to *submit* objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item within issue of 15 days giving reference No. 33/Prop/N.S/A.S/22-23/Rs. The comments should be received by office of Stores Officer (RS), Research Section at AIIMS on or before 16/03/23 upto 12:00 p.m., failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.



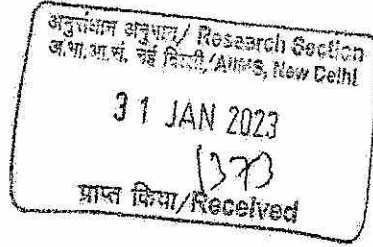
STORES OFFICER (RS)

Encl: Related documents enclosed.

9. PAC Certificate enclosed.
10. Performa Invoice

All India Institute of Medical Sciences
Ansari Nagar, New Delhi, India

To
The Store Officer
Research Section,
AIIMS, New Delhi.



Date: 27-01-2023

Subject: Request for Purchase of 8 (Eight) channel wireless EEG system as an add on to existing wireless EMG system from AD Instruments as per previous PO No:12-47/BT-1850/NS/AS/19-20/RS for the ongoing AIIMS-IIT Delhi collaborative project code No I-1200 through GeM as closed system.

Dear Sir,

We are working on a AIIMS + IIT Delhi collaborative project with code No I-1200. Kindly allow for purchase of 8 (Eight) channel wireless EEG system as an add on to existing wireless EMG system from AD Instruments as per previous PO No:12-47/BT-1850/NS/AS/19-20/RS to evaluate the surgical skills and mental state of surgeons during simulation tasks and to add enhancement and to upgrade the pre-existing technology and give permission from the project I-1200 under "Equipment" head. We are enclosing the Technical Details of the same. Funds are available for the purchase as per sanction order attached. The Approximate cost is INR 15 Lakhs (Approx.) including GST (as applicable).

Thanking You,
Yours Sincerely,

Prof. Ashish Suri
Principal investigator of the Project I-1200
Professor and Unit Head,
Dept. of Neurosurgery, AIIMS, New Delhi



डॉ. आशीष सुरी / Dr. ASHISH SURI
आचार्य / Prof. in
मस्तिष्क शल्य चिकित्सा / Dept. of Neurosurgery
संस्थान, नई दिल्ली / Institute, New Delhi

Ph. Hanish
A.S.
01/02/23

All India Institute of Medical Sciences,
Ansari Nagar, New Delhi, India.

AIIMS + IIT-Delhi Collaborative Neuro-Engineering Project :

A meeting was held at Neurosurgery Skills Training Facility, Department of Neurosurgery, AIIMS, New Delhi on 23/01/2023 regarding the purchase of 8 (Eight) channel wireless EEG system as an add on to existing wireless EMG system from AD Instruments as per previous PO No : 12-47/BT-1850/NS/AS/19-20/RS to evaluate the surgical skills and mental state of surgeons during simulation tasks and to add enhancement and to upgrade the pre-existing technology from AIIMS+IITD collaboration Neuro-engineering project (I-1200)

The purpose of this purchase is to evaluate the surgical skills and mental state of surgeons during simulation tasks and to add enhancement and to upgrade the pre-existing technology.

The meeting was attended by Prof. Ashish Suri, Professor and Head Unit, Neurosurgery, AIIMS, New Delhi and Principal Coordinator of the AIIMS +IITD Neuro-Engineering Projects & Prof. Deepak Joshi, Professor, Department of Bio-Medical Engineering, AIIMS + IIT Delhi and Prof. Prem K Kalra, Professor and Head and Department of Computer Science and Engineering, IIT Delhi and Prof. Chetan Arora , Department of Computer Science and Engineering, IIT Delhi Co-Investigators of the Project respectively.

AIIMS+IITD committee agreed to purchase the 8 (Eight) channel wireless EEG system is the best for this task and will provide accurate and reliable results. The requirement of this system to meet project objectives was approved.

Deepak Joshi

Dr. Deepak Joshi
Associate Professor
Centre for Biomedical Engineering
Indian Institute of Technology Delhi
Hauz Khas, New Delhi-110016

Arora

सह-प्रोफेसर/Associate Professor
कंप्यूटर विज्ञान और इंजीनियरिंग विभाग
Dept. of Comp. Sci. & Engineering
भारतीय प्रौद्योगिकी संस्थान दिल्ली/IIT Delhi
हाउज खास, नई दिल्ली/Hauz Khas, New Delhi-16

Prem Kalra

प्रो. प्रेम क. कलरा/Professor & Head
कंप्यूटर विज्ञान और इंजीनियरिंग विभाग
Dept of Computer Science & Engg
भारतीय प्रौद्योगिकी संस्थान दिल्ली/IIT Delhi
हाउज खास, नई दिल्ली/Hauz Khas, New Delhi-16

Arora

डॉ. अश्विष सुरी/Dr. ASHISH SURI
प्रोफेसर/Prof.



110029
110029

Arora



Dr. SANTANU KUMAR BORA
M.B.B.S., M.S. (Neuro)
Assistant Professor
Dept. of Neurosurgery
All India Institute of Medical Sciences
Ansari Nagar, New Delhi-110029

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Dr. VAISHALI SURI
M.B.B.S., M.D.
Professor, Neurophysiology
Neurosurgery Centre
All India Institute of Medical Sciences
Ansari Nagar, New Delhi-110029

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110029

RESEARCH SECTION

PROPRIETARY /SPECIFIC BRAND GOODS CERTIFICATE

- 1. Item/ Type/Model No. required along with specification. **8 (Eight) channel wireless EEG system as an add on to existing wireless EMG system**
- 2. Is the item a spare parts attachment or accessory for an existing equipment. **Yes, Accessories of the existing system as Closed system.**
- 3. Name of the manufactures/ supplier of the item proposed by the Indentor. **Orginal make Mentalab GmbH , Weinstr. 4, 80333 , Munich , Germany, HRB 264949 (Germany)**
- 4. Are the sole manufactures/ sole distributors of the item. **Yes.**
- 5. Is there any other item with similar/equivalent specification available in the market to meet the job requirement envisaged. If the answer is yes , why the same can't be procured . Demanding officer should bring out comparative functional advantages/ cost effectiveness of the recommended item these offered by other. **No , Close System, Mentalab GmbH , Weinstr. 4, 80333 , Munich , Germany**
- 6. What ewre the efforts made to locate alternative source of supply or use other substitutes. **The purpose of this 8 (Eight) channel wireless EEG system as an add on to existing wireless EMG system from AD Instruments as per previous PO No : 12-47/BT-1850/NS/AS/19-20/RS is to evaluate the surgical skills and mental state of surgeons during simulation tasks and to add enhancement and to upgrade the pre-existing technology.**
- 7. Why open/ limited tender can't be resorted to, for locating alter native source. **The license of Proprietary item for the specified system**
- 8. Are the propriatory items certifying that the rates are reasonable or not. **Yes, Reasonable , Budgetary quotation from distributor enclosed.**
- 9. Any other justification for procuring item single source. **Mentalab GmbH , Weinstr. Munich , Germany is the only manufacturer of 8 (Eight) channel wireless EEG system as an add on to existing wireless EMG system from AD Instruments as per previous PO No:12-47/BT-1850/NS/AS/19-20/RS which is closed system**

All India Institute of Medical Sciences
Ansari Nagar, New Delhi-110029

Dr. Ramandeep Singh
DR. RAMANDEEP SINGH
SCIENTIST-C
Signature of Indentor
(Demanding Officer)

Dr. Ashish Singh
Dr. ASHISH SINGH
Principal Investigator
Dept. of Neurology
All India Institute of Medical Sciences
Ansari Nagar, New Delhi-110029

Dr. Deepank Joshi
Dr. DEEPAK JOSHI
Associate Professor
Centre for Biomedical Engineering
Indian Institute of Technology Delhi
Hauz Khas, New Delhi-110048

Dr. Prem Kumar Kalra
Dr. PREM KUMAR KALRA
Associate Professor
Dept. of Comp. Sci. & Engineering
Indian Institute of Technology Delhi
Hauz Khas, New Delhi-110048

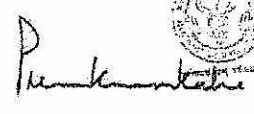
Prem Kumar Kalra
PREM KUMAR KALRA
Professor & Head
Dept. of Computer Science & Engg
Indian Institute of Technology Delhi
Hauz Khas, New Delhi-110048


Technical Details 8 (Eight) channel wireless EEG system as an add on to existing wireless EMG system from AD Instruments


8 channel wireless universal bio signal amplifier


- No. channels • Eight
- Sampling rate • 250, 500, 1K, 2K(offline)
- Dimension • 48x38x20mm
- Weight • 27
- Battery Life • at 1K ~5 hours
- Charging Time • ~90 minutes
- Diff. input range • +400 mV to -400 mV)
- Input Impedance • 10MOhm
- Resolution • 24 bit resolution, <1 uV noise(RMS)
- Additional Sensors • Acc, gyro, magneto, Battery, light, temp:
- Flash Memory • 512 MB
- BT Range • Approx. 10 m
- Compatibility • Existing Wireless EMG system.
- EEG Caps • Dry and Wet (S, M, L)
- Compatibility • Add on accessories to Wireless EMG system (ADInstruments)

Dr. S. K. ...
 Director
 Institute of Medical Sciences
 New Delhi-110029

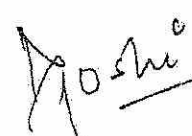

 प्रेम कुमार कलरा / PREM KUMAR KALRA
 प्रोफेसर एवं अध्यक्ष / Professor & Head
 कंप्यूटर विज्ञान और इंजीनियरिंग विभाग
 Dept of Computer Science & Engg
 भारतीय प्रौद्योगिकी संस्थान दिल्ली / IIT Delhi
 हाजि खस, नई दिल्ली / Hauz Khas, New Delhi-16


 डॉ. अशीष सुरी / Dr. ASHISH SURI
 एम्.बी.बी.एस. एम्.डी.
 भारतीय प्रौद्योगिकी संस्थान दिल्ली
 हाजि खस, नई दिल्ली
 All India Institute of Medical Sciences
 Ansari Nagar, New Delhi-110029



 डॉ. अशीष सुरी / Associate Professor
 कंप्यूटर विज्ञान और इंजीनियरिंग विभाग
 Dept. of Comp. Sci. & Engineering
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 हाजि खस, नई दिल्ली / Hauz Khas, New Delhi-16


 डॉ. अशीष सुरी / Dr. ASHISH SURI
 प्रोफेसर / Professor
 अणुविज्ञान विभाग / Dept. of Nuclear Energy
 अणुविज्ञान केंद्र / Nuclear Science Centre
 अणुविज्ञान, नई दिल्ली, भारत / A.I.I.S., New Delhi, India





Dr. Deepak Joshi
 Associate Professor
 Centre for Biomedical Engineering
 Indian Institute of Technology Delhi
 Hauz Khas, New Delhi-110016


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 अणुविज्ञान केंद्र / Nuclear Science Centre
 अणुविज्ञान, नई दिल्ली, भारत / A.I.I.S., New Delhi, India



MEDI WORKS
(ISO 9001 - 2008 Certified)

Add: 3rd Floor, Lajpat Nagar-II, New Delhi-110024
Ph: 011-42663206, 83178377/9 Fax: 011-42663205
Email: info@medi-works.net
Web: www.medi-works.net

Quotation

Quotation Date: 16/01/2023

Quotation Number: Q10008987

This quotation has been prepared for: To,
The Director
All India Institute of Medical Sciences
Delhi,

Subject :- Add-on accessories to Wireless EMG system (ADInstruments).

S.no	Offered Product	Qty	Price in Rupees
1	<ul style="list-style-type: none"> • EX+8 Explore Plus 8-channel universal wireless amplifier <ul style="list-style-type: none"> ○ EX+8 ExplorePlus 8-channel device ○ HRB-C-09 Dry electrode button cable ExplorePlus,9 electrodes, custom length ○ DRY-FLT-XL Dry electrode - flat, extra thick 3 incl ○ DRY-BRSH-XL Dry electrode - brush XL 6 incl. ○ HRG-C-09 Gel electrode cable Explore-Plus, 9 electrodes, custom length ○ MCSCAP-M EEG cap size M 1 incl. ○ MCSCAP-L EEG cap size L 1 ○ ELAST-CP Elastic cap 1 incl. ○ BT-DNGL USB Bluetooth Dongle 1 incl. ○ USB-CBL USB charging cable 1 incl. ○ EEGSET EEG starter set containing gel, syringe, and cleaning set 1 incl. ○ XCASE Shockproof case (Xcase) 1 incl. <p><i>The system will require LabChart Lightening Software (ADInstruments)</i></p>	1	1268500.00
	Sub total		Rs 1268500.00
	GST 18% (with exemption certificate) HSNCODE 9023		Rs 228330.00
	Total FOR AIIMS Delhi		Rs1496830.00

Terms and Conditions

- a) Order to be placed in favour of: M/s. Medi Works,
A-56, 3rd Floor, Lajpat Nagar - II,
New Delhi-110024
GSTIN: 07AEFPS1566N2ZX
- b) Prices quoted are at FOR destination value in INR (Indian Rupees) inclusive of all taxes.
- c) GST exemption certificate to be provided to avail GST discount, else GST will be charged as actual.
- d) Payment Terms: Payment by 100% Electronic Transfer in favour of:

Medi Works
Bank Name: - Indian Overseas Bank
A/C NO. 158633000000001

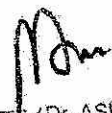


डॉ. अशिश सुरी / Dr. ASHISH SURI
अध्यक्ष / Professor
तंत्रिका तंत्र विभाग / Dept. of Neurosurgery
ललित विज्ञान केंद्र / Neurosciences Centre
आर्य समाज, नई दिल्ली, 110029, NDA/ADPS, New Delhi, India

8 channel wireless universal bio signal amplifier

- No. channels
- Sampling rate
- Dimension
- Weight
- Battery Life
- Charging Time
- Diff. input range
- Input Impedance
- Resolution
- Additional Sensors
- Flash Memory
- BT Range
- Compatibility
- EEG Caps
- Compatibility
- Eight
- 250, 500, 1K, 2K(offline)
- 48x38x20mm
- 27
- at 1K ~5 hours
- ~90 minutes
- +400 mV to -400 mV)
- 10MOhm
- 24 bit resolution, <1 uV noise(RMS)
- Acc, gyro, magneto, Battery, light, temp:
- 512 MB
- Approx. 10 m
- Existing Wireless EMG system.
- Dry and Wet (S, M, L)
- Add on accessories to Wireless EMG system (ADInstruments)




 डॉ. अशिश सुरी / Dr. ASHISH SURI
 अध्यक्ष / President
 एम.एस.सी. / M.S.C. / Dept. of Health & Quality
 एम.एस.सी. / M.S.C. / Department of Health & Quality
 एम.एस.सी. / M.S.C. / Department of Health & Quality



Munich, Germany
23.01.2023

To whom so it may concern

MANUFACTURER: Mentalab GmbH
Weinstr. 4
80333 Munich
Germany
HRB264949 (Munich)

This is to certify that Mentalab GmbH ("Mentalab"), having registered office at Weinstr. 4, Munich, Germany is the sole manufacturer and supplier for the world smallest (48x38x20 mm) and lightest (27gms), smart phone and computer enabled wireless eight channel universal bio-amplifier for recording ECG, EEG, EMG or EOG signals with Accelerometer, gyroscope & magnetometer sensors and run with LabChart Lightning Software and also integrates with other parameters recorded by PowerLab systems developed by ADInstruments Ltd, New Zealand.

We further authorise M/s Mediworks, A-56, Lajpat Nagar – II New Delhi – 110024 to submit a tender, process the same further and enter into a contract with you against your requirements.

We also hereby extend our full warranty, CMC as applicable as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

With Kind Regards

Dr. Sebastian Herberger (CEO)



डॉ. अशिश सुर / Dr. ASHISH SUR
अध्यापक / Professor
अधिष्ठाता, अंतर्ज्ञान विभाग / Dept. of Neurosurgery
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एन.डी.एस., नई दिल्ली 110029 / AIIMS, New Delhi India