

ALL INDIA INSTITUTE OF MEDICAL SCIENCES

ANSARI NAGAR, NEW DELHI-29.

STORES SECTION (DO)

Ref. No. 34/Stores (DO)/Physio/PAC/2017-18/FSC

Dated-31/01/2018

Sub:- Purchase of 4 Channel Digital Data Acquisition system and software for Conducting Human and Animal Experiments" for the Department of Physiology, (AIIMS), New Delhi-110029, on proprietary basis Inviting comments thereon.

The Institute is in the process to purchase **4 Channel Digital Data Acquisition system and software for Conducting Human and Animal Experiments** for the department of Physiology, (AIIMS), New Delhi from **M/s. ADInstruments Pty Ltd. Australia through M/s. AD Instruments South Asia India Pvt. Ltd. Delhi.** The PAC Certifications by M/s. **ADInstruments Pty Ltd.** as well as the user department 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 15 days from the date of , issue/uploading of the notification giving reference No. **34/Stores(DO)/Physio/PAC/2017-18/FSC.** The comments should be received in office of Stores Officer (FSC), Store Section (DO), Animal House Building, Near Biotechnology Building at AIIMS on or before **17/02/2018** upto **12.30 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 (FSC)

Encl: Related documents enclosed.

Specifications for 4 channel digital data acquisition system and software for conducting human and animal experiments (Digital Polygraph)

Quantity: 10

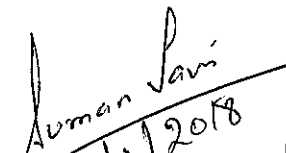
Price: 7.5 lacs / piece

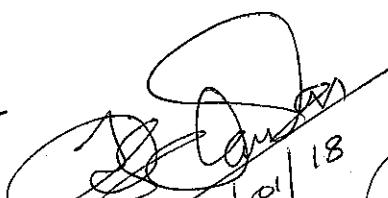
1. The digital data acquisition system must be able to record and display biological signals in animal nerve muscle and human experiments
2. It should have general purpose amplifier for recording bio-potentials
3. Bridge amplifiers
4. 1 stimulation unit capable of delivering square wave pulse of user defined parameters, voltage range: 0 -10 V, pulse duration range: 10 μ s – 1000 msec, frequency range: 0.1 – 100 Hz. Integrated and synchronized with software.
5. 1 Force (tension) transducer, range: 1 – 500 g with weight set for calibration compatible with bridge amplifier.
6. 1 Isotonic (length) transducer, range: 0.1 – 2 cm bridge amplifier
7. 2 electrode set for recording
8. 1 electrode set for stimulation
9. Data sampling frequency up to 10 KHz
10. Hardware should be linked to the computer through high speed USB2 port
11. Compatible desktop computer with i7 processor, 20 inches TFT monitor, 8GB RAM, 1TB HDD, DVD R/W.
12. Laser printer
13. Software included must be user friendly and should have ability for recording, analyzing, storing and printing the data. The software should allow calibration of transducers, display of actual values, controllable gain, filter settings, baseline setting, facility for event marking and annotation. It should be capable of measuring time interval between user selected points, display of data value at user selected point, editing of the records and re-annotation. It should be capable of displaying data in scope mode and chart mode. It should allow calculation of rate, slope from raw channels in offline as well as online mode.
14. 1 KVA UPS with backup time of 30 min.
15. Should have necessary certification for safe use for human.
16. Should have demonstrated ability to integrate with already existing teaching systems for undergraduate teaching
17. Five year warranty as per AIIMS norms.

It is certified that the specifications are broad based, general in respect to the requirement and not to suit to any particular firm/brand


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

PROPRIETARY / SPECIFIC BRAND GOODS CERTIFICATE

1	Item/Type/Model No. required along with specification	Power Lab 4 channel data acquisition system for conducting human and animal experiments
2	If the item a spare part attachment or accessory for existing equipment	NA
3	Name of the manufacturers/Supplier of the item proposed by the indenter.	AD Instruments
4	Are they sole manufacturer/sole distributors of the item.	Yes
5	If there any other item with similar/equivalent specification available in the market to meet the job requirement envisage. If the answer is yes, why the same comparative functional advantage/cost effectiveness of the recommended item from these offered by other.	The department has already 10 setups which are used for undergraduate and postgraduate teaching. To meet the demand for increased number of students (32 MBBS students) we need 10 more exactly similar setups for uniform teaching. Therefore any other item will not be compatible with the existing and thereby not serve the purpose.
6	What were the efforts made to locate alternative source of supply of use other substitutes	NA
7	Why open/limited tender can't be resorted to, for locating alternating source.	Same as point no. 5
8	Are the proprietary items certifying that the rates are reasonable or not.	Yes
9	<p>Any other justification for procuring item from single source.</p> <ol style="list-style-type: none"> 1. As per Section no. 6.26 of the Purchase Manual, the purchase of above mentioned "Power Lab 4 channel data acquisition system" exactly similar to existing can be considered under 'Proprietary Usage'. 2. The experiments and SOP are already standardized on the existing system and faculty is well versed with the Power, flexibility and user-friendliness of the system. 3. This fully customizable Teaching system has ready to use experiments with step by step experimental protocols for wide range of Physiology /Applied science practicals for UG and PG. This is not available with any other manufacturer. 	

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4. The proposed new systems will be compatible with existing PowerLab systems purchased in 2013 with reference **27-03/Physio/2013-14/FSC-I**. Thus all these systems can work together on the same software platform with centralized data storage facility

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Signature of Indenter
(Demanding Officer)

DR. SUMAN JAIN
Professor, Deptt. of Physiology
A.I.I.M.S./A.I.I.M.S.
New Delhi-110029

Deepak

(Counter Signed)

(Head of the Department)

डॉ. के.के. दीपक/Dr. K.K. DEEPAK

आचार्य एवं अध्यक्ष/Professor & Head
शरीरक्रिया विज्ञान विभाग/Deptt. of Physiology
अखिल भारतीय आयुर्विज्ञान संस्थान
All India Institute of Medical Sciences
New Delhi-110029

I certify that the item at S. No. 1 above is required to be procured on single tender basis as the source of supply is definitely known/the specific brand proposed was advantages in meeting our functional requirements and limited tender system could be dispensed with as they would serve no useful purpose in this particular case.

(Strike out whichever is not applicable)

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September, 1st, 2017

PROPREIRARY CERTIFICATE

To Whom It May Concern

This letter is to certify that ADInstruments Pty Ltd of Unit 13, 22 Lexington Drive Bella Vista NSW 2153 Australia is the only manufacturer and developers of the **PowerLab® System, LabTutor® Software and LabChart Software, Lt Labstation** for Physiology Teaching and Research Application.

*No other company manufactures and provides the **PowerLab® DAS, LabChart, LabTutor®, Lt Labstation and Lt Teaching solution** as an integrated Physiology solution for laboratory teaching that allows to delivery Lessons either online or offline, on one of our innovative learning platforms: Lt and Lt Labstation.*

Lt LabStation gives you all the content and flexibility of Lt, in a package designed to be used offline in the lab. Create, edit and access your lessons online, then have your student's complete lessons offline in the lab.

Lt is the latest evolution. Delivered on our award-winning cloud-based learning platform, Lt gives students the flexibility to work anywhere, anytime, on any device with an internet connection.

The above cited features and benefits are unique to PowerLab system (ADInstruments) which make it proprietary in nature.

The following products are manufactured in our factory in Bella Vista, Sydney Australia:

- PowerLab 26T Teaching System
- MLS400 LabTutor 4 software suite
- MLU260/8 LabChart Pro v8 software (Win & Mac)
- PTK10 Human Respiratory Kit
- PTK12 Psychophysiology Kit
- PTK25 Wireless HRV Kit
- FE221 Bridge Amp and MLT0015 Isotonic Tr.
- PTK19 Nerve & Muscle Kit

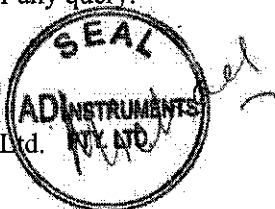
Note:- Log on to <http://www.adinstruments.com> for regular updated information.

PowerLab® systems are manufactured under a quality system certified as complying with ISO 9001:2000 quality management systems & conform to International Safety standards. The CE mark is for EU directives along with CLASS 8750 81 Medical Electrical Certificate (Certified to US Standards). In accordance with European standards the systems comply with electromagnetic compatibility requirement under EN60601-1, which encompasses the EMC directive.

Please feel free to contact us directly for any query.

Sincerely

For & on behalf of ADInstruments Pty Ltd.
General Manager APAC & MENA



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www.adinstruments.com
ABN: 64001696171

Handwritten signature and date: 18/9/17

Handwritten signature and date: 18/5/17