



**INDIAN INSTITUTE OF TECHNOLOGY, KANPUR**

**GT ROAD, KALYANPUR, KANPUR - 208016**

**UTTAR PRADESH, INDIA**

**TENDER REFERENCE NO.: IITK/BSBE/AP/2021-2022/NC-16**

**BID SUBMISSION END DATE- 18.01.2022**

**TENDER DOCUMENTS**

For

**“Purchase of Electrophysiology LIPID BILAYER MODULE”**

## **Tender document**

Department of Biological Sciences & Bioengineering  
Indian Institute of Technology Kanpur  
Kanpur (UP) 208016 India

Enquiry date: **December 21<sup>st</sup>, 2021**

Enquiry No: **IITK/BSBE/AP/2021-22/NC-16**

Sealed quotations are invited for **Electrophysiology LIPID BILAYER MODULE**. The detailed specification is described below.

### **Specifications of the Electrophysiology LIPID BILAYER MODULE:**

- Standalone turn-key system with extremely small footprint
- Complete lipid bilayer recording station including a four-channel amplifier and recording software
- Temperature control system (water cooled peltier technology for heating and cooling, digital control, temperature monitoring and logging)
- Lipid bilayer workstation should have certified laptop for use with Orbit mini system, with the following minimum requirements: • Intel i7 core • 8GB RAM • 1TB HD • Full HD display
- Recording Chips Four-well recording chip:• 13 2001 - 50  $\mu\text{m}$  • 13 2002 - 100  $\mu\text{m}$  • 13 2003 - 150  $\mu\text{m}$
- Liposomes preparation module Consists of : Vesicle Formation chamber, Temperature controller, pairs of ITO slides and O-rings, Vesicle Control software
- Integrated four channel low-noise amplifier
- Optional temperature control - automated active cooling and heating
- Low noise recordings at highest bandwidths
- Increased throughput due to four simultaneous recordings
- Dedicated comprehensive recording software included
- Target molecules can be introduced directly or by fusion of (proteo-)liposomes
- Ion channels: voltage and ligand gated, temperature sensitive
- Nanopores, antimicrobial peptides, toxins and many more...
- Cost-efficient experiments with disposable MECA chips

Quotations must be addressed to:

**Dr. Appu Kumar Singh**  
**Lab18**

Department of Biological Sciences & Bioengineering  
Indian Institute of Technology Kanpur

Kanpur 208 016, India

Email: [singhappu@iitk.ac.in](mailto:singhappu@iitk.ac.in), [nkhullar@iitk.ac.in](mailto:nkhullar@iitk.ac.in)

**Terms and Conditions:**

1. All equipment must be compatible with Indian electrical standards and codes. Engineering documentation on the physical sizes and weights of all major and minor components must be submitted.
2. IIT Kanpur is fully exempted from payment of GST on Imported Goods against our DSIR certificate.
3. IIT Kanpur is partially exempted from payment of Customs Duty (We will provide Custom Duty Exemption Certificate, CD applicable is 5.5%).
4. TENDER Specific Manufacturer Authorization Form from OEM Required.
5. The Institute reserves the right of accepting or rejecting any/all quotations without assigning any reason thereof.
6. All prices should be **F.O.R.**
7. Installation by OEM is preferred.

**TENDER ACCEPTANCE LETTER**  
**(To be given on Company Letter Head)**

Date: \_\_\_\_\_

To,

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: \_\_\_\_\_

Name of Tender / Work: -

\_\_\_\_\_

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: \_\_\_\_\_ as per your advertisement, given in the above mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. \_\_\_\_\_ to \_\_\_\_\_ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

**Yours Faithfully,**  
**(Signature of the Bidder, with Official Seal)**

**Declaration for Local Content**

**(To be given on Company Letter Head - For tender value below Rs.10 Crores)**

**(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for tender value above Rs.10 Crores)**

Date: \_\_\_\_\_

To,  
The Director,  
Indian Institute of Technology Kanpur,  
GT Road, Kalyanpur, Kanpur -208016

Sub: Declaration of Local content

Tender Reference No: \_\_\_\_\_

Name of Tender / Work: -  
\_\_\_\_\_

1. Country of Origin of Goods being offered: \_\_\_\_\_
2. We hereby declare that items offered has \_\_\_\_\_% local content.

*“Local Content”* means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

*“\*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.”*

**Yours Faithfully,  
(Signature of the Bidder, with Official Seal)**