

**Dated : 19-01--2017**

Project Reference: - Short Rate Enquiry No. **4/SRE/ PM/Biophy/16-17**

Subject:- Short Rate Enquiry for purchasing **pH meter**

Dear M/s

A short rate enquiry is hereby floated/invited for purchasing pH meter required by Department of Biophysics

Technical Specification for **pH meter**

Date/Time of Closure **9.02.2017 3.00pm**

Date/Time of Opening **10.02.2017 3.00pm**

**pH meter - Two in number**

(Approx 2 lakhs each)

1. The pH meter should be able to measure pH Range: -2.0 to 20.0 pH
2. The pH meter should have Resolution (pH) 0.1, 0.01, 0.001pH
3. The pH meter should have Accuracy (pH)  $\pm 0.002$ pH
4. The pH meter should have Range (mV)  $\pm 2000.0$ mV
5. The pH meter should have Range (Relative mV)  $\pm 2000.0$ mV
6. The pH meter should have Range (ORP)  $\pm 2000.0$ mV
7. The pH meter should have Resolution (mV) 0.1mV
8. The pH meter should have Accuracy (mV)  $\pm 0.2$  mV or  $\pm 0.05\%$  of reading whichever is greater
9. The pH meter should have Isopotential Point 7.000pH
10. Should have Automatic calibration facility.
11. Should have data storage facility and record maximum and minimum value.
12. The pH meter should have Range (Conductivity) 0.001  $\mu$ S/cm to 3000 mS/cm
13. The pH meter should have conductivity resolution (Conductivity) 0.001  $\mu$ S minimum, auto ranging up to 4 significant digits
14. The pH meter should have Accurate Conductivity 0.5% of reading  $\pm 1$  digit  $> 3 \mu$ S; 0.5% of reading  $\pm 0.01 \mu$ S  $\leq 3 \mu$ S
15. The pH meter should have Range (TDS) 0.001 to 200.0 ppm
16. The pH meter should have Resolution (TDS) 0.001 ppm minimum, auto ranging up to 4 significant digits.
17. The pH meter should have Range (Salinity) 0.06 to 80.00 psu, 0.05 to 42.00 ppt
18. The pH meter should have Resolution (Salinity) 0.01 psu or 0.01 ppt minimum, auto ranging
19. The pH meter should have resistivity Range 2 ohm to 100.0 meg-ohm
20. The pH meter should have Cell Constant 0.001 to 199.9cm-1
21. Should have digital display with 0.001 pH unit readability
22. Should supply Tri-combination pH/ATC electrode
23. Should supply Electrode + Standard buffer solution (pH 4.0, 7.0, 10.01 x 50ml for each bottle) + standard electrode holder +Ac /DC Adaptor.
24. Should be provided with an electrode holder/arm with smooth movement.
25. 2 year warranty should be provided.
26. The Instrument should have at least one of the certified label : CE/IVD certified or ISO 9001 certified

## **Terms & Conditions**

1. The quotations should be addressed to Professor & Head, Department of Biophysics, AIIMS, Ansari Nagar, New Delhi – 110029 and sent by post/courier **by February 9 2017 upto 3 p.m.** Quotations should be sealed in an envelope and the reference no and item must clearly be written on top of the envelop. (i.e. quotation for the Graphic Workstation).
2. The firm must be registered and having TIN NO./Registration No. (Please mentioned TIN/registration NO. on the bid) or else the quotation will be treated as cancelled.
3. Quotation should only be submitted by authorized dealers/distributors. Authorization certificate must be included with the submission of Quotation. Failure of submission of authorization certificate will render the firm ineligible. Hence the quote of such firm will not be considered.
4. Vendors should provide the product certification by one of this agency: CE/IVD certified or European Union EMC & Safety Compliance Declaration or FCC - North American EMI Verification or UL - North American Product Safety Certification or Demko or VDE - European Union Product Safety Certification.
4. The make and model of the article offered should invariably be quoted. Quotation should be typed/ written in ink overwriting or erased entries should not be there in the quotation. **The rates should be valid for at least three months.**
5. Vat /Sale tax or any other kind of (tax(s) must be mentioned separately. In case no sales tax in chargeable prices must be quoted as net price.
6. **Warranty /Guarantee:** - 5 year comprehensive warranty on site .
7. **Demonstrations:** - If it is required to demonstrate the quoted Model, the firm should get ready for demonstrations the product within one week. There will be and no request entertained for extending time for demonstrations. Failure to demonstrate their offer if requested, will be summarily rejected.
8. **Payment** will be made as per institute rules through electronically viz RTGS/NEFT after delivery, satisfactory installation of the item. The following information should be also mentioned in the invoice:
  1. Name of the beneficiary:
  2. Account No. the beneficiary:
  3. IFCS code of the bank/branch:
9. The Professor & Head of the Department reserves the right to cancel/reject full or any part of the rate enquiry which generally do not fulfill the conditions stipulated in the rate enquiry.
10. The submitted **Quotations will be opened on February 10, 2017 at 3p.m.** in Room No. 15, Department of Biophysics Ground floor , AIIMS , Ansari Nagar, New Delhi – 110029

**Dr. Punit Kaur**