

**DEPARTMENT OF PEDIATRICS  
ALL INDIA INSTITUTE OF MEDICAL SCIENCES**

19 November 2010

To

**Subject: Short rate enquiry for the item to be purchased under the head 'Plan' year 2010-11.  
Our Reference: Short Rate Enquiry no. 22/Paed/2010-2011.**

Dear M/s.

A short rate enquiry is hereby floated/invited for the following item required by Department of Pediatrics, AIIMS, New Delhi.w

<b>Item Name</b>	<b>pH Meter (Bench Top)</b>
<b>Quantity</b>	<b>01 (One)</b>

**Technical Specification**

Bench top microprocessor based pH meter should consist of:

pH Meter ,stand rod, Electrode holder, Electrode with NTC sensor. Should have following salient features:

**Range:**

- p H range: - 0 to + 14
- mV Range:  $\pm 1200$  mV
- Temp Range: - 5 to +250 °C

**Resolution:**

- pH: 0.001 pH
- mV: 0.1 mV
- Temp Accuracy: 0.1 °C
- p H :  $\pm 0.003$
- mV :  $\pm 0.2$  mV
- Temp :  $\pm 0.6$  °C

**Accuracy**

- pH  $\pm 0.003$  pH
- mV  $\pm 0.2$  mV
- Temp.  $\pm 0.6$  °C

**Calibration**

- pH calibration (number of buffers): 1, 2 or 3
- Instrument should have automatic consideration of the temperature behaviour of the stored buffer solutions
- Instrument should have Monitoring of slope and pH(as) with arbitrary limit values
- High Impedance Electrode Input 1 no, Pt 1000/NTC temp sensor input 2 nos, Reference Input 1 no.
- 3 point pH Calibration with facility to store the temperature dependence of the buffer used. Automatic buffer recognition with facility to store calibration data
- Facility to enter user & sample identification
- Facility to store 150 results with date time & identification.

**Specification continue on next page**

**Specification continue from previous page**

- Result printout according to GLP/ISO norms, facility to send the results to LIMS
- Facility to monitor slope & asymmetry pH against freely definable limit values.
- Drift controlled, time controlled & difference controlled measured value acquisition
- Simultaneous display of pH & Temperature
- Facility to connect the Printer through IrDA port
- Power Supply 220V 50 Hz.

**Conditions:**

1. Features in the quotations should be substantiated with proper Principal Company Catalogue.
2. Should operate under a Quality Management System which complies with the requirements of ISO 9001:2008 for design, manufacture and services
3. Copies of all certifications e.g. Quality Standard certificate, Propriety Item/parts, Patent of parts/ technology, Principal company/Authorised Distributorship should be attached with the quotations.
4. 4 In-House Service Engineers from principal company/ or authorised agents should be available on one-day notice basis in case of emergency.
5. Only Principal Companies or Authorized Distributors from Principal companies should quote . Quotations from non - authorized distributors will not be entertained

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## **Terms & Conditions:**

- The quotations should be submitted to the Professor & Head, Department of Pediatrics, Room No. 3058, AIIMS, New Delhi-29 and sent by post/per bearer **by 04 December, 2010 up to 1.00 P.M.** Quotation should be sealed in an envelope and the name of the item clearly written on top of the envelop.
- **The firm should submit two bids in a separate envelope and both bids packed in a single envelope mentioning name of the quoted item.**

**First bid 'TECHNICAL BID'** should contain information of quoted equipment including all supporting documents

**Second bid 'PRICE BID'** should contain cost of the offered equipment. A separate list of the consumables accessories/ reagents/ spare parts etc. required to operate the equipment should be is also enclosed.

**Please ensure that the cost is not disclosed in the technical bid, or else the quotation will be treated as cancelled.**

- The make of the article offered should invariably be quoted. Quotation should be typed written in ink. All overwriting and erased entries will be deleted from the quotation. The rates should be valid for at least FIVE MONTHS.
- VAT/Sales tax or any other kind of tax(s) must be separately mentioned against each item. In case no sales tax is chargeable, prices must be quoted as NET.
- **Warranty/Guarantee:** 2 years warranty with spares and 3 years without spares.
- The firm should be able to give demonstration of the item if required within 1 week of requisition.
- The firm must supply the item within 45 days after confirmation of order.
- The successful bidder has to submit performances bank guarantee of 10% of the order value valid upto warranty period.
- The payment will be made electronically viz RTGS/NEFT against delivery and satisfactory installation of the item. The following information should be also mentioned in the quotation.
  1. Name of the beneficiary:
  2. Account No. of the beneficiary:
  3. IFCS code of the bank/branch:
- The quantity can be increased or decreased to any extent depending upon the actual requirement.
- The Professor & Head of the Department reserves the right to cancel/reject full or any part of the rate enquiry which generally do not fulfil the conditions stipulated in the rate enquiry.
- Note: The specifications of the items are also available at the Institute website [www.aiims.edu](http://www.aiims.edu) & [www.aiims.ac.in](http://www.aiims.ac.in)

**Dr. V K Paul**  
**Professor & Head**

**Dr. Ramesh Agarwal**  
**Assistant Professor &**  
**Faculty in-charge Deptt. Stores**

**The following companies have been requested to participate in the Limited Rate Enquiry for the item 'pH Meter (Bench Top)'.**

**Reference: Short Rate Enquiry no. 22/Paed/2010-2011**

- 1. M/s Metrohm India Limited  
2/15,(3A), 3rd Floor  
West Patel Nagar  
New Delhi-110008**
- 2. M/s Deltech Instruments (P) Ltd  
G – 58, First Floor, Vikas Marg,  
Laxmi Nagar, Delhi – 110 092**
- 3. M/s Shivam IT Solutions Private Limited  
J – 5, West Patel Nagar,  
New Delhi – 110 008**
- 4. M/s Invitro Medical Solution  
E-291, Sarita Vihar,  
New Delhi- 110076**
- 5. M/s Nu Tek Instruments Pvt Ltd  
208, Vardhman Master Plaza,  
DDA, LSC, Ghazipur,  
Delhi – 110 096**