



### SHORT QUOTATION NOTICE

TU/11-24/Pur/Qtn/2017-18/~~5019-A~~ dated: 6.2.2018

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply, installation & commissioning etc. of following items required for the BRNS-DAE sponsored research Project of Dr. Amit Prakash, Department of Environmental Science, Tezpur University. Those who have participated in response to our Earlier Notice Nos. **TU/11-24/Pur/Qtn/2017-18/4227** dated **26.12.2017** may submit their revised offer/quotation in reference to their earlier offer/quotation, and in such cases no Tender Fee and EMD is to be paid again.

#### LIST OF EQUIPMENT(S) WITH SPECIFICATIONS:

Sl. No.	Item	Specification
1	Radiation Survey Meter	<ul style="list-style-type: none"><li>• Supply and demonstration of handheld, portable and compact digital radiation monitor for gamma and X-rays radiation survey</li><li>• Detector : Geiger-Muller tube</li><li>• Radiation to be measured : Gamma and X-rays</li><li>• Dose-rate range : 10 nSv/h – 100 mSv/h</li><li>• Energy range : 0.05 - 3 MeV</li><li>• Accuracy of DER measurement : <math>\pm 20\%</math></li><li>• Alarm type : Audible after reaching the threshold settings</li><li>• Display : Large LCD display with backlight</li><li>• Communication with PC : USB</li><li>• Power requirements : two AA batteries or Rechargeable battery</li><li>• Operating temperature range : -10 - +50°C</li><li>• Relative humidity at 35°C : 95%</li><li>• Weight of the radiation monitor : Not more than 300 gms</li><li>• Features: Dose rate measurement of gamma and X-ray radiation, Audible alarm, data logging capability, PC communication by USB,</li></ul> Complete set: Survey meter, batteries, Manual, USB cable and any other required accessories
2	HANDHELD MULTI-PARAMETER SYTEM (WITH PH, CONDUCTIVITY, TDS, SALINITY, RESISTIVITY, DISSOLVED OXYGEN ALONG WITH AMMONIUM, NITRATE & CHLORIDE ELECTRODE PACKAG)	<p><b>PH:</b> RANGE: -2.000 TO 20.000, RESOLUTION: 0.1, 0.01, 0.001, ACCURACY: <math>\pm 0.002</math>.</p> <p><b>CONDUCTIVITY:</b> RANGE: 0.001<math>\mu</math>S TO 3000 MS, RESOLUTION: 0.001, ACCURACY: 0.5 % READING <math>\pm 1</math> DIGIT.</p> <p><b>TDS:</b> 1 TO 200 PPT; RESOLUTION: 4 SIGNIFICANT DIGITS; ACCURACY: 0.5 % READING <math>\pm 1</math> DIGIT.</p> <p><b>SALINITY:</b> 0.01 TO 80.0 PPT NaCl EQUIVALENT; RESOLUTION: 0.01; ACCURACY: <math>\pm 0.1</math>.</p> <p><b>DISSOLVED OXYGEN:</b> RANGE 0 TO 90 MG/L, RESOLUTION: 0.01, 0.1, ACCURACY: <math>\pm 0.2</math>.</p> <p><b>CALIBRATION POINTS:</b> UP TO 5 POINTS;</p> <p><b>ISE:</b> RANGE: 0 to 19999; RESOLUTION: UPTO TO 3 SIGNIFICANT DIGITS; ACCURACY: <math>\pm 0.05\%</math> OF READING; UNITS: PPM, M, MG/L, %, PPB, NONE</p> <p><b>CALIBRATION EDITING:</b> YES</p> <p><b>TEMPERATURE:</b> RANGE: -5 TO 105°C.</p> <p><b>DATA LOGGING MEMORY:</b> 5000 DATA.</p> <p><b>POWER :</b> INSTALLED AA BATTERIES (OPTIONAL – AC ADAPTER, 100-240 VLT).</p> <p><b>WATERPROOFING RATE:</b> IP67 RATED.</p> <p><b>ORP MODE:</b> YES</p> <p><b>NITRATE ELECTRODE:</b> BODY: ION PLUS SURE-FLOW COMBINATION</p>

