

The University of Burdwan
Department of Environmental Science

Date: 18.11.21

Tender notice no.: DST/WTI/ENVSC/2021

Sealed quotations are invited from authorised vendors/manufacturers for the supply of following item under the Department of Science & Technology, Govt. of India funded research project having Ref. No. DST/TMD/EWO/WTI/2K19/EWFH/2019/217(G2) dated 24/02/2021 under the Co-Principal Investigator Dr Srimanta Gupta, Associate Professor, Department of Environmental Science. Vendors/suppliers are asked to quote the lowest rate over the listed price for the same. VAT and other applicable taxes must be clearly mentioned in the quotation. The quotation should follow the specifications as per given in the tender.

Item no. 1. ORP TESTER

SPECIFICATIONS FOR ORP TESTER

ORP Range: ± 1000 mV; Resolution: ± 1 mV; Relative accuracy: ± 3 mV; Offset Calibration point: One (within ± 200 mV); **Temperature** Range: 0 to 60.0°C, 32.0 to 140.0°F ; Resolution: 0.1°C, 0.1°F; Compensation: Yes, manual input; Input window: 0 to 60.0°C, 32.0 to 140.0°F; Display: Graphic, dot matrix 80 x 100 pixel; Backlight: Yes, selectable (30 sec from the last key press); Auto shutoff: 8.5 min (from last key press); Reset: User, factory; Hold function: Yes; Power requirements: 4 AAA batteries Battery life >250 hr; Ingress protection: IP67 waterproof; Regulatory certifications: CE, FCC; Operating temp.: 5 to 45°C; Relative humidity: 5 to 85% non-condensing; **Supply should include:** Main tester, soft carry case, lanyard, clear sample/storage cap, AAA batteries.

Item no 2. PH/CONDUCTIVITY/TDS/SALINITY/TEMP TESTER

SPECIFICATIONS FOR PH/CONDUCTIVITY/TDS/SALINITY/TEMP TESTER

pH Range: -1.00 to 15.00; pH Resolution: 0.01 pH; Relative accuracy: ± 0.02 ; pH Calibration points: Up to 3 points; Buffer set standard selection: USA - 4.01, 7.00, 10.01 & NIST - 4.01, 6.86, 9.18; Calibration window: ± 1.00 pH; Calibration type: Point to point.

Conductivity Range: 0.00 to 20.00 mS/cm; Resolution: 0.1 μ S/cm for 0.0 to 200.0 μ S/cm, 1 μ S/cm for 200 to 2000 μ S/cm and 0.01 mS/cm for 2.00 to 20.00 mS/cm; Relative accuracy: $\pm 1\%$ full scale; Normalization temp.: 25.0°C; Temp. coefficient: 0.0 to 10.00%; Calibration points: Up to 3 points; **TDS** Range: 0.00 to 10.00 ppt (depending on TDS factor); Resolution: 0.1 ppm for 0.0 to 100.0 ppm, 1 ppm for 100 to 1000 ppm and 0.01 ppt for 0.10 to 10.00 ppt; Relative accuracy: $\pm 1\%$ full scale; Calibration points: Up to 3 points; TDS factor: 0.40 to 1.00 (selectable); **Salinity** Range: 0.00 to 10.00 ppt; Resolution: 0.10 ppt; Relative accuracy: $\pm 1\%$ full scale; Calibration point: One; **Temperature** Range: 0 to 60.0°C, 32.0 to 140.0°F; Resolution: 0.1°C, 0.1°F; Accuracy: ± 0.6 °C for 0.0 to 50.0°C and ± 1.1 °C for 50.1 to 60.0°C; Compensation: Yes (ATC); Calibration window: ± 5.0 °C; **supply includes:** soft carry case, lanyard, clear sample/storage cap, AAA batteries.

Item no. 3. DO MEMBRANE FOR DO METER

SPECIFICATIONS FOR DO MEMBRANE

RDO replacement optical cap

Sealed quotations must reach within seven (07) days to Co-PI Dr Srimanta Gupta, Department of Environmental Science, The University of Burdwan, Golapbag, Burdwan-713104, West Bengal, India.