

**GOVT. OF INDIA  
CENTRAL WATER COMMISSION  
MIDDLE GANGA DIVISION NO. IV  
ARYA KUMAR ROAD, RAJENDRA NAGAR,  
PATNA -800 016  
Tel. No. /FAX : 0612-2671541**

No. : MGD-IV/HQ-4/Silt/2009-10/162-67

DATE : 19. 01.2010

**NOTICE INVITING QUOTATION**

Quotations in sealed cover superscribed date of opening are invited from experienced manufacturers / authorized Dealers / Reputed Firms suppliers for supply of **01(one)  $\mu$ C Based Double Beam UV-VIS Spectrophotometer (Graphic LCD Display) with PC link Software, 01 (one) no. COD Digestor and 01 (one) no. B.O.D. Incubator, 01(one) No. ION Meter, 01(one) Digital Colony Counter and 01(one) No. Binocular Inclined Microscope** so as to reach this office on or before 1500 hrs. of 22.02.2010. The same will be opened on same day at 1530 hrs. The representatives of the firms quoting the rates may remain present if they so desire. The quotations received after due date and time will not be entertained.

SN.	NAME OF PARTICULARS.	QTY(APPR.)
01.	<b>Supplying &amp; installation of <math>\mu</math>C Based Double Beam UV-VIS Spectrophotometer (Graphic LCD Display) with PC link Software with at least 5 years of service guarantee.</b>	<b>01 No.</b>
<b>SPECIFICATION :</b>		
	TYPE	Double beam, automatic scanning
	LIGHT SOURCE	Tungsten-halogen and deuterium
	WAVE LENGTH RANGE	200 to 900 nm
	WAVE LENGTH REPEATABILITY	$\pm 0.1$ nm
	WAVE LENGTH ACCURACY	$\pm 0.2$ nm
	BANDPASS RANGE	2 nm or smaller
	PHOTOMETRIC DRIFT OR STABILITY	0.0003 absorbance units/hour at 340 nm
	SCANNING SPEED	5 to 3000 nm/min
	SLEW SPEED	10,000 nm/min
	POWER SUPPLY	220 VAC $\pm 25\%$ , 47 to 53 Hz
<b>ACCESSORIES :</b>		
	1. Software performing analysis at least as per DIN/ISO/US-EPA, calibration, blank correction, data import, data export, data handling and reporting, quality control protocols, computer based training.	
	2. Essential spare parts for five years of operation.	
	3. Voltage Stabiliser.	
	4. Dust Cover	
	5. Operation manual	
	6. Matching cuvettes (2 pairs)	

<b>02.</b>	<b>SUPPLYING &amp; INSTALLATION OF COD DIGESTOR</b>	<b>01 no.</b>
	<b>Specification :</b>	
	DIGESTION BLOCK	Made up of metal blocks with 15 holes, electrically heated having thermostat control
	CAPACITY	16 or more samples
	FLASK CAPACITY	50 and 100 ml
	CONDENSER	AIR COOLED
	TEMPERATURE RANGE	Ambient to 180 <sup>0</sup> C, thermostatically controlled
	TIMER RANGE	Up to 3 hours, programmable and built in time with alarm signal
	POWER SUPPLY	220 VAC $\pm$ 25%, 50 Hz, single phase
	<b>ACCESSORIES :</b>	
	1. Operational manual	
	2. Cooling tray.	
	3. Air condenser stand for 15 tubes	
	4. 30 extra reaction vessels.	
	5. 30 air condensers	
<b>03.</b>	<b>SUPLYING &amp; INSTALLATION OF BOD INCUBATOR</b>	<b>01 No.</b>
	<b>Specification :</b>	
	INNER SIZE	Approx. 0.5 x 0.5 x0.8 m (WxDxH)
	MATERIAL	Stainless steel inside chamber hot enameled outside
	RANGE	5 to 50 <sup>0</sup> C, thermostatically controlled
	ACCURACY	$\pm$ 0.5 <sup>0</sup> C
	POWER SUPPLY	220 VAC $\pm$ 25%, 50 Hz, approx. 400 Watt.
	DISPLAY	Digital LED temperature display
	<b>FEATURES :</b>	
	1. Shelves	
	2. High quality insulation between inner chamber chamber and out wall	
	3. Motorised blower for uniform temperature.	
	4. Full length inner glass door with latch for monitoring without disturbing inside temperature	
	5. Built in voltage stabiliser	
	6. Thermometer access hole to display inside temperature with suitable thermometer.	
<b>04.</b>	<b>SUPLYING &amp; INSTALLATION OF ION METER</b>	<b>01 No.</b>
	<b>Specification : Microprocessor controlled with RS-232-C output facility</b>	
	READOUT UNIT DISPLAY	LCD display
	OPERATION TEMPERATURE	5 to 40 <sup>0</sup> C
	POWER SUPPLY	220 VAC $\pm$ 25%, 47 to 53 Hz
	pH RANGE	0 to 14 pH
	RESOLUTION	0.01 pH
	ACCURACY	$\pm$ 0.1 pH
	TEMPERATURE CORRECTION	Automatic and manual
	SLOPE	80 – 120%
	<b>ORP : RANGE</b>	$\pm$ 1999 mV
	RESOLUTION	1 mV
	ACCURACY	0.1% Full Scale
	TEMPERATURE CORRECTION	Automatic and Manual

	<b>TEMPERATURE</b>	
	RANGE	0 to 50 <sup>0</sup> C
	RESOLUTION	0.1 <sup>0</sup> C
	ACCURACY	0.5% Full Scale
	<b>ION ELECTRODES</b>	
	<b>PARAMETER</b>	<b>MINIMUM RANGE, mg/l</b>
	FLUORIDE	0.1 to 100
	NITRATE -N	0.25 to 250
	AMMONIA	0.01 to 100
	CYANIDE	0.025 to 100
	<b>ACCESSORIES :</b>	
	1. Electrodes for Fluoride, pH, ORP, NO <sub>3</sub> , NH <sub>4</sub> with reference electrodes	
	2. Standard solutions and buffers for all electrodes	
	3. Ion adjusting reagent	
	4. Electrode holder and stand for stirrer	
	5. Printer for hard copy analysis results.	
	6. Voltage stabilizer	
	7. Interference, selective ratio and shelf life shall be indicated for each electrode.	
<b>05.</b>	<b>SUUPLYING &amp; INSTALLATION OF COLONY COUNTER</b>	
	<b>Specification :</b>	
	DISPLAY	4 Digit, 9999 Max. Count
	DISH SIZE	3 Digit, 999 Max. Count
	Magnification	110 mm
	POWER	230 V-10% AC, 50Hz, 40W
	ACCESSORIES	Marking Pen- 1 No.
	<b>SALIENT FEATURES</b>	
	1. 110 mm Dia Magnifying Glass	
	2. Audible Confirmation of Each Count	
	3. Uniform Glare Free Illumination	
	4. Digital Readout from 0-9999	
	5. Auto Marker Pen	
	6. Glass Grid with Focusing Facility	
<b>06.</b>	<b>SUUPLYING &amp; INSTALLATION OF BINOCULAR INCLINED PATHOLOGICAL MICROSCOPE</b>	<b>01 NO.</b>
	<b>Specification :</b>	
	<b>ISI Marked IS : 4381 &amp; IS : 8275 ,</b> Built in Halogen illumination with paired eyepieces 5x, 10x W.F. or 15x, objectives 4/5x, 10x, 40/45x, 100x oil immersion (S.L.) with 6volts 20watts halogen illumination co-axial mechanical stage, with day light reflector, nicely packed in a box.	

**Terms & conditions :**

1. Above equipments in good condition should be delivered & installed at Divisional Laboratory, Rajendra Nagar, Patna (Bihar) for which no freight charges will be paid extra
2. The taxes. applicable to Central Govt. should be quoted both in figures and words clearly.
3. Payment will be made by Govt. A/C payee Cheque/DD on production of pre-receipted bill in triplicate after supply of the boats payable at S.B.I, Rajendra Nagar, A.K.Road, Patna.
4. The firms/manufacturers holding the BST/CST/VAT registration no. will be eligible for quoting the rates.
5. The undersigned reserves the right to reject any or all the quotations without assigning any reason.
6. The quotation should be valid for not less than three months.
7. Any correction in the quotation should be clearly attested.
8. Agency has to fully train three person in operation & maintenance of the equipments.
9. The agency has to submit a Demand Draft of Rs.10,000/- as earnest money in favour of Executive Engineer, MGD IV, CWC, Patna payable at Patna.
10. Items/quantity can be increased/decreased at any time by the undersigned.

**Executive Engineer**

**Copy to:**

1. Notice Board, CE, LGB, Patna/Director(Mon.) cum SE(HOC), Patna /MGD V, Patna/ MGD IV, CWC, Patna.
2. The Accounts Branch, MGD IV, CWC, Patna.
3. The Director, Software Management Directorate, 618(S), Sewa Bhawan, R. K. Puram, New Delhi 110066. You are requested to uphold this NIQ on CWC Website. (Soft copy in CD also enclosed)