INVITATION FOR QUOTATION

TEQIP-III/2018/geca/Shopping/35 **20-Dec-2018**

To,

M/S

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period (In days)	Place of Delivery	Installation Requirement (if any)
1	Bench conductivity/tds/ Temp. Meter	2	45	Govt. Engg. College, Ajmer N.H. 8,Barliya Circle, Near Nareli Temple, Ajmer	On-site installation and testing & commissioning required. Price must be included in quotation
2	BOD Analysis	1	55		
3	Cooled Incubator	1	55		
4	Evaporating Dish	2	45		
5	Glassware-I	4	55		
6	Glassware-II	4	45		
7	Glassware-III	4	45		
8	Hand-Held Dissolved Oxygen Meter	1	45		
9	Hot air oven 95 liter	1	45		
10	Imhoff Cone	2	45		

11	Jar Test Flocculator	1	45	Govt. Engg. College, Ajmer N.H. 8,Barliya Circle, Near Nareli Temple, Ajmer	On-site installation and testing & commissioning required. Price must be included in quotation
12	Microprocessor Based pH Meter	1	45		
13	Multi parameter Photometer	2	45		
14	Nephelo-turbidity meter	1	45		
15	Sound level meter	1	45		
16	Thermo reactor COD Analysis	1	45		
17	Water Distillation Unit	1	45		

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. Quotation,

   3.1 The contract shall be for the full quantity as described above.

   3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.

   3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.

   3.4 Applicable taxes shall be quoted separately for all items.

   3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

   3.6 The Prices should be quoted in Indian Rupees only.
4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **55** days after the last date of quotation submission.
6. Evaluation of Quotations, The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

   6.1 are properly signed ; and

   6.2 confirm to the terms and conditions, and specifications.

7. The Quotations would be evaluated for all items together.
8. Award of contract:

   The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

   8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

   8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
9. Payment shall be made in Indian Rupees as follows:

   Delivery and Installation - 90% of total cost

   Satisfactory Acceptance - 10% of total cost
10. All supplied items are under warranty of **60** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **12:30** hours on **18-Jan-2019 .**
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any)
14. Testing/Installation Clause (if any) **On-site installation and testing & commissioning required. Price must be included in quotation**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,

    N.H.8 , BARLIYA CIRCLE, NEAR NARELI TEMPLE, AJMER
17. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

Annexure I

Sr. No	Item Name	Specifications
1	Jar Test Flocculator	High visibility LED displays for speed and time Illuminated back panel to simplify sample observation Construction material :-epoxy painted metal structure Back panel :- Disconnect able illuminated Stainless steel stirring rod adjustable in height by a self blocking chuck, DC gear motor Monoselector same speed for each rod Power: 15-20W Dimensions (WxHxD) 935x347x260 mm Weight 17 kg (37.4 lb) Electronic speed control:- from 10 to 300 rpm Speed setting interval :-1 rpm Microprocessor controlled timer (0 to 100 minutes or continuous) (With all the required accessories and 3 set of consumables, if any required)
2	Microprocessor Based pH Meter	Large Backlit graphic display which shows Electrode Status, time, date, sample ID, User ID and Calibration Points •5 Point pH Calibration with automatic recognition of buffers (for US/NIST and DIN) •Calibration edit facility to fix calibration errors without full recalibration •Non volatile memory holds up to 2000 data points with time and date stamp. •Transfer of data with USB and RS232 ports and complimentary data analysis software •Power as well as battery operated TECHNICAL SPECIFICATIONS: pH Range : -2.00 to 20.000 Resolution : 0.1, 0.01, 0.001 Relative Accuracy: ±0.002 pH Calibration Points: Up to 5 Calibration Editing: Yes mV Range-mV : ± 2000.0 mV Resolution : 0.1 Relative Accuracy: ±0.2 mV or ±0.05% of reading whichever is greater EH ORP Mode : Yes Temperature Range : -5 to 105°C, 23 to 221°F Resolution : 0.1 Relative Accuracy: ±0.1 offset Calibration: 1 Point Data logging : 2000 Data Points with time & 2date stamp Output : RS232, USB Power AC Adapter: Included-universal, 100-240 VAC Battery Power: Optional- 4 AAs and With All other Accessories required for the Test
3	Bench	Large screen that displays Conductivity or TDS readings with

	conductivity/ tds/ Temp. Meter	Temperature in ºC or ºF, Ready indicator let you know when readings are stable Selectable cell constant, Auto-ranging across 5 Conductivity and TDS ranges, Integral electrode holder, Conductivity Range 0.01 to 200.0 mS/cm Resolution 0.01 µS; 0.1 µS ; 1 µS ; 0.01 mS ; 0.1 mS * Accuracy ±1% Full scale TDS Range 0.01 to 100 ppt @ 0.5 TDS factor (to 200 ppt @ 1.0 TDS factor) Resolution 0.01 ppm; 0.1 ppm ; 1 ppm ; 0.01 ppt ; 0.1 ppt Accuracy ± 1% Full scale + 1 digit Calibration Points (Cond. / TDS) :-5 points Temperature Range 0.0 to 100.0 0C Resolution/Accuracy: 0.10 C / 0.1 0F ; ± 0.5 0C /± 0.9 0F Built-in Electrode Arm: Yes Temperature Coefficient: 0.00 to 10.00 % Temperature Normalization: 15 to 30 ^{0}C Memory 100 Data sets Electrode Included, ultem body CONSEN9501D,cell constant 1.0, minimum1 m cable Power Requirement Included, 100 /240VAC SMPS Power Adapter with ,9V,6W, CENTRE +ve (0 to 100 minutes or continuous) (With all the required accessories and 3 set of consumables, if any required)
4	**Multi parameter Photometer**	Instrument should be able measure hardness, alkanity, concentration of chlorides etc. USB connectivity to download up to 500 results, method upload for User Defined Tests, new application updates and remote control – maintains the IP67 waterproof rating when the USB cable is connected! Designed for the Palin test System – tablet reagents, liquid reagents and the Tube test range of nutrients, heavy metals and COD testing reagents. Large backlit LCD screen, automatic test prompts, dilution correction and choice of result units Dual light source photometer offering direct-reading of pre-programmed test calibrations, Absorbance and Transmittance Peak Wavelengths 450nm, 500nm, 550nm, 570nm, 600nm, 650nm Accuracy ± 1.0% T Display 320 x 240 pixel LCD with backlight and contrast adjustment User Interface On-screen prompts available in English Size (W x L x H) and weight:- 150 x 250 x 70mm, 975g Power Supply 3 x 1.5v 'AA' batteries ,mains power delivered by USB port Connectivity Palin test Bluetooth SMART (4.0) profile and USB for data download User Defined Methods Up to 30 additional methods Memory Capacity Up to 500 data sets. Each data set includes date, time, Sample ID, Operator ID, method number, method name, result, units Test Cuvettes Automatic centering for cylindrical cuvettes from 13 –

		20mm (0 to 100 minutes or continuous) (With all the required accessories and 3 set of consumables, if any required)
5	Thermo reactor COD Analysis	Construction material:- Epoxy painted metal structure Holes number and diameter:- 14 pos. (Ø 16 mm) and 2 pos. (Ø 22 mm) Set temperature:- display visualization Countdown:- display visualization End of the cycle acoustic signal with automatic switch-off Power 550 W Weight: 3.8 Kg (8.4 Ib) Dimensions (WxHxD) 168x110x269 mm (6.4x4.3x10.6 in) Selectable working temperatures from room temperature to 160 °C, resolution 1 °C Selectable working times from 0 to 199 minutes or continuous operation HEATING BLOCK TECHNICAL DATA Temperature stability ± 0.5 °C Temperature homogeneity ± 0.5 °C Temperature precision ± 1 °C Over temperature safety SIGNALS Reaching of set temperature visual signal Countdown visual signal End of cycle acoustic and visual signal Probe interruption acoustic and visual signal Broken probe acoustic and visual signal Exceed temperature range acoustic and visual signal (With all the required accessories and 3 set of consumables, if any required)
6	BOD Analysis	Innovative, mercury-free and extremely reliable solution for BOD analysis (Biochemical Oxygen Demand) Precise Control, Measurement on scales of 90, 250, 600 and 999 ppm BOD , Automatically stores 5 BOD values at 24-hour intervals, Enables analysis to continue over the weekend, Results directly readable at any time, even after five days, Direct readout in mg/l (ppm), Compact stirring stations Construction material: Techno polymer Power: BOD Sensor System 6 2 W Power supply: BOD Sensor System 6 230 V / 50-60 Hz Dimensions (WxHxD): BOD Sensor System 6 270x300x185 mm (10.6x11.8x7.3 in) Weight: BOD Sensor System 6 2,3 Kg (5.1 lb) Reading value: mg/l (ppm) directly on the display Measurement by electronic pressure probe Bottle total capacity: 500 ml Stored data: 5 BOD values at 24h intervals BOD values: directly on the display at any time also after the standard 5

		days period BOD last determination: Possible Scales: 90, 250, 600, 999 ppm BOD. Higher values after dilution Display: digits 3 LED Safety class: 3 IEC 1010 (With all the required accessories and 3 set of consumables, if any required
7	Cooled Incubator	Selectable incubation temperature from 3 to 50 °C Internal sockets to power devices Total volume of 200 liters Total volume 200 liters Electronic thermoregulation system AUTO - TUNING Number of shelves included 2 Number of sockets 2 internal electrical current sockets Power 120 W Power supply 230 V / 50-60 Hz Weight 36.0 kg (79.4 lb) Dimensions (WxHxD) 540x912x550 mm (21.3x49.7x21.7 in) Temperature range from 3.0 to 50.0 °C Internal temperature stability ± 0.5 °C Internal temperature homogeneity ± 0.5 °C Digital display 3-digit, 0.1 °C resolution
8	Hand-Held Dissolved Oxygen Meter	Microprocessor based dissolved oxygen meter. Reads in mg/l, ppm and % Saturation, Barometric Pressure and Salinity Compensation, Calibration can be performed at 100% and or 0% solution, Rugged rubber boot for additional protection Galvanic DO probe which allows instantaneous measurements since no time for polarization is required Dissolved Oxygen Range 0.00 to 19.99 mg/l or ppm Resolution/ Accuracy 0.01 mg/l or ppm;±1.5% of Full scale % Saturation of Oxygen 0.0 - 199.9% Resolution/ Accuracy 0.1 % ; ± 1.5% of Full scale Temperature Range 0 to 50.00 C Resolution/ Accuracy 0.10 C ;+0.5 0C Barometric Pressure Correction 500 to 1499 mm Hg or 66.6 to 199.9 kPa Resolution 1 mm Hg or 0.1 kPa Method Automatic correction after manual input Salinity Correction 0.0 to 50.0 ppt * Resolution 0.1 ppt Method Automatic correction after manual input Probe Included, galvanic probe with 3 meter cable (ECDO6HANDY3M) Temp. Compensation Automatic /Manual (0 to 50.0 0 C) Operating Range 0 to 50 0C Display Custom single 4 digit LCD Power Requirement 4 x 1.5V 'AAA' batteries, battery life > 100 hours. Mains operation not possible

		Carrying Case-Yes (With all the required accessories and 3 set of consumables, if any required)
9	Sound level meter	Frequency range: 31.5Hz~8KHz Measuring level range: 35~130dB Microphone: 1/2 inch electrets condenser microphone Calibration: Electrical calibration with the internal oscillator (1kHz sine wave) Display: LCD Digital display: 4 digits Resolution: 0.1dB, Display Up data: 0.5 sec. Accuracy :+ 1.5dB (under reference conditions) Dynamic range: 65dB Alarm function: "OVER" is show when input is out of range Operation temperature: 0 - 40°C Operation humidity: 10 to 90%RH
10	Nephelo-turbidity meter	Meter should s features complete GLP (Good Laboratory Practice) Functions that allow traceability of the calibration conditions. The last calibration, date and time can be checked at the touch of a button. Up to 200 measurements along with it's associated locations can be stored in the internal memory and recalled at any time. Data can be transferred to a PC via RS232 or USB interface. • EPA Compliant • High accuracy at low ranges (below 0.05 NTU) • GLP Features • One, two or three-point calibration • Log up to 200 Records • USB and RS232 PC connectivity • Battery % Indicator on startup • Continuous current time on display • User friendly, backlit display with guidance codes Range 0.00 to 9.99; 10.0 to 99.9 and 100 to 1000 NTU Range Selection automatic Resolution 0.01 NTU from 0.00 to 9.99 NTU; 0.1 NTU from 10.0 to 99.9 NTU; 1 NTU from 100 to 1000 NTU Accuracy @25°C/77°F ±2% of reading plus 0.02 NTU Repeatability ±1% of reading or 0.02 NTU, whichever is greater Stray Light < 0.02 NTU Light Detector silicon photocell Light Source tungsten filament lamp Lamp Life greater than 100,000 readings Measuring mode normal, average, continuous Turbidity Standards <15, 100 and 750 NTU Calibration three point calibration Environment 0° to 50°C (32°F to 122°F); RH max 95% non-condensing Power Supply 1.5V AA alkaline batteries (4) or AC adapter; auto-off after 15 minutes of non-use

		Dimensions / Weight 224 x 87 x 77 mm / 512 g (With all the required accessories and 3 set of consumables, if any required)
11	Hot air oven 95 liter	Temperature range **5°C above ambient to 250°C** with accuracy of ±2°C. Each hot air oven is produced with double walled construction and made of 304 grades stainless steel with insulation of mineral wool for efficient thermal loss. Doors are double walled, made of stainless steel and also fully insulated with mineral wool, fitted on heavy hinges. Sturdy handle provides comfortable opening and closing. For efficient heating, our hot air ovens are fitted with branded heating elements, nickel / chrome plated nichrome wire, kept inside the beads and placed at the bottom and both sides of the chamber. For safe removal of hot gases and fumes air ventilators are provided near the top of the both sides.
12	Imhoff Cone	Graduated from 0 to 1 ml in 0.1 ml divisions, 1 to 10 ml in 0.5 ml and 10 to 40 ml in 1 ml. also marked at 1000 ml. with sharp tip (set of 2 imhoff cones with stand)
13	Water Distillation Unit	provides, 4 liters/hr of distilled water produced through a power input of 3 KW by a chromium plated heater housed in a horizontal Glass Boiler Distilled output is cool ensured by a high efficiency condenser. Temperature of distillate 25.0Â°C - 40.0Â°C tested for ambient room temperature of 30.0Â° C. Temperature of distillate 25.0Â°C - 40.0Â°C tested for ambient room temperature of 30.0Â° C. Output: 4lit/hr Distillate quality: Progeny free
14	Glassware	Laboratory borosilicate Flask set of 5 (Size-1000 ml, 500 ml, 250 ml, 100 ml,50 ml
15	Glassware	Test Tube(Size-100 ml, 200ml, 50 ml) made of borosilicate
16	Glassware	Laboratory borosilicate beaker set of 5 (Size-1000 ml, 500 ml, 250 ml, 100 ml,50 ml
17	Evaporating Dish	Made of porcelain, flat form with spout, glazes inside and outside , set of 3 (50 ml, 100ml,250ml)

FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

_____

_____

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. ———————— (Amount in figures) (Rupees ————————amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of ——————— months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No: _____