



Bineswar Brahma Engineering College, Kokrajhar, Chandrapara Kokrajhar
(BTAD) Assam-783370, Assam

INVITATION LETTER

Package Code: **TEQIP-III/2019/AS/bbek/80**

Current Date: 03-Oct-2019

Package Name: BBEC/TEQIP/CHEM/6

Method: Shopping Goods

Sub: INVITATION LETTER FOR BBEC/TEQIP/CHEM16

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	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	Double distillation unit	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
2	Electronic balance-1	2	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
3	Membrane Casting Setup	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
4	Fire Extinguisher	15	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
5	Furnace- Max.1400 OC Temperature	1	Bineswar Brahma Engineering College,	

			Chandrapara, Kokrajhar, BTAD, Assam-783370	
6	Centrifuge	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
7	Mechanical Stirrer	2	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
8	PH Meters	2	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
9	Bomb calorie meter	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
10	Ultrasonic Bath	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
11	Thermometer 1	4	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
12	Tool box	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
13	FLUE GAS ANALYZER	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
14	Red Wood Viscometer 1	2	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
15	Carbon residue Apparatus	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar,	

			BTAD, Assam-763370	
16	INSTRUMENTS 1	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
17	Abel's Flash Point apparatus with energy regulator with Digital	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
8	Pensky Martin Apparatus	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
19	UV -Visible Spectrophotometer	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
20	BOD Analysis	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
21	Soxhlet Apparatus	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
22	Adiabatic Batch Reactor	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
23	Penetration test apparatus	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
24	Oxygen tank	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
25	Oxygen gas regulator	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	

26	Zero air tank	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
27	Air tank regulator	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
28	Carbon Dioxide Cylinder with regulator	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
29	Nitrogen gas cylinder with regulator 1	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	
30	HydrogenCylinders	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam- 783370	
31	Conductivety Meter	1	Bineswar Brahma Engineering College, Chandrapara, Kokrajhar, BTAD, Assam-783370	

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, initialling, 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.
- \$ Quotation shall remain valid for a period not less than 45days 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.
- y The Quotations would be evaluated for all items together.
- g. 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.
- 81 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.
- 82 *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.*
- g. Payment shall be made in Indian Rupees as follows:

Payment Description	Expected Delivery Period (in Days)	Payment Percentage
Satisfactory Delivery & Installation	30	10
Satisfactory Acceptance	30	90

10. Liquidated Damages will be applied as per the below:
 Liquidated Damages Per Day Min %:0.01
 Liquidated Damages Max %:10
11. All supplied *items* are under warranty of 12 months from the date of successful acceptance of items and AMC/Others is NA.
12. You are requested to provide your offer latest by 14:30 hours **on 21-Oct-2019.**

13. Detailed specifications of the items are at Annexure 1.
14. Training Clause (if any) Yes
- 1s. Testing/Installation Clause (if any) Yes
- 1s. Performance Security shall be applicable: 5%
17. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
- 1s. Sealed quotation to be submitted/ delivered at the address mentioned below, Bineswar Brahma Engineering College, Kokrajhar, Chandrapara Kokrajhar (BTAD) Assam- 783370, Assam
19. We look forward to receiving your quotation and thank you for your interest in this project.



(Authorized Signatory)

Name & Designation

Bineswar Brahma Engineering College
Kokrajhar

Annexure I

Sr. No	Item Name	Specifications
1	Double distillation unit	Water Double distillation unit Material: Glass, Capacity: 1.5L/hr, 230-250 V, Distillate temperature: 65 to 75OC
2	Electronic balance-1	Electronic balance (Lab) Materia: stainless steel, Display: Digital, Handling : portable Accuracy: 0.01g, weighing capacity: 0-600g, least count: 0.01g
3	Membrane Casting Setup	High Pressure Membrane testing <i>Setup</i> Flow Rate- 5liVmin, operating temperature- 25-40 degree C, Pump high pressure- 15-20 bar, sample holder (1)- 50mm x 50mm, sample holder (2)- hollow fibre fibre module nano filtration, Pressure control, Control valves and gauges, Gas/air/ liquid flow in a sample is through feed is possible from feed tank, fedd tank of 10litre; It includes 4 paths Precision film applicator with optional 80/120mm width and gap of 5, 10, 15, 20 micrometer and Double bed micrometer film applicator with width of 150mm (film casting doctor blade)- two blades with adjustable height from 0-6 mm with controlled accuracy 10microns.
4	Fire Extinguisher	Fire Extinguisher 4 Kg
5	Furnace- Max.1400 OC Temperature	High Temperature Tubular furnace with reactor Material: SS, PID controller, automatic ramp, heating rate range 0.5OC - 15OC, Temperature: upto 1200OC, Voltage: 220V, Horizontal model, capacity upto 2kg, inert atmpsphere and gas purging facility arrangements reactor material : SS and borosil glass
6	Centrifuge	Centrifuge Material : Mild steel, 2000rpm to 5000rpm, accuracy: 0.001%
7	Mechanical Stirrer	Overhead lab stirrer Torque: 1/12 to 1/6, 60 rpm to 10000rpm, stirrer capacity 2.5 L
8	PHMeters	pH meter Calibration upto 3 point push button with auto buffer
9	Bomb calorie meter	Digital Bomb Calorimeter Digital display, Manual and removal type, measurement range: 1000- 10,000 cal/g, temp. resolution: 0.01 OC, inbuilt printer showing temperature vs. time
10	Ultrasonic Bath	Ultrasonic Bath Material: SS, single phase, 170- 245VAC, digital timer
11	Thermometer 1	Thermometer Digital, Dual LCD, 5-digit display, OC/OF switchable

12	Tool box _____	Tool box with drilling machine
13	FLUE GAS ANALYZER _____	Flue gas analyser Oxygen: 0 — 21%, CO: 0-10, 000 ppm, temp: max 1000OC, efficiency upto 99.9%excess air 0- 215% port for for non contact printer
14	Red Wood Viscometer 1 _____	Red wood Viscometer Material: SS, range 0 to 45OC, frequency: 50Hz
15	Carbon residue Apparatus	Carbon residue apparatus Power : 230V, Fully automatic controlled and maintained by fully automatic solid state time proportional digital controller, Comprising 5 bulb
16	INSTRUMENTS 1	Wifely Table Table size- 800mm x 400mm, ? HP motor, std. on off switch, single phase 220 VAC and mains indicator
17	Abel's Flash Point apparatus with energy regulator with Digital _____	Abel's Apparatus Temp. range: -18OC to +70OC, as per IP-70 Oil Test Jet system, digital temperature indicator with electrical driven stirrer of 120rpm _____
18	Pensky Martin Apparatus	Pensky Martin Apparatus Flash above 70OC and below 300OC, with energy regulator geared motor of rpm 120, voltage varic control, LCD display _____
19	UV -Visible Spectrophotometer	Double beam microprocessor UV-VIS spectrometer Wavelength range- 190 to 1100Nm, Path length 10Mm, Resolution 1200 lines/mm, 50Hz frequency, Digital display, portable accuracy +/- 2.0Nm
20	BOD Analysis _____	BOD and COD setup 300 ml BOD and COD bottles- 12 nos., consist of DO meter- digital , automatic, one or two calibration (100% in air, 0% in zero oxygen solution)
21	Soxhlet Apparatus	Soxhlet Apparatus Mild steel, automatic, capacity 250ml and 500ml, frequency 50-60 Hz, single phase, mantle type heaters, with energy regulators, clamps and rubber tubing.
22	Adiabatic Batch Reactor	Adiabatic Batch flow reactor SS made, Capacity 1.5 litre insulated with ceramic wool, stirrer- impeller and shaft coupled with FHP 1/8 motor, RTD PT-100 temp sensor, digital temp indicator 0-199OC, std on/oWswitch _____
23	Penetration test apparatus	Softening and Penetration index testing set up Plunger and Needle weighing 50g, aluminum sampling container 55mm dia x 53mm height and 55mm dia x 35mm height for Penetration index test 0.8kW, temp resolution 0.01OC, 220VAC, 50Hz, ring and ball apparatus of 1000ml for softening test
2u	Oxygen tank	99.99% pure, 7 L
25	Oxygen gas regulator	outlet pressure 0-8 bar, inlet pressure 0-300 bar

26	Zero air tank	99.99% pure, 7L
27	Air tank regulator	Adjust gas pressure, OEM, input pressure: 200 bar, output pressure 0.2 -10 bar
28	Carbon Dioxide Cylinder with regulator	99.99% pure, 7L
29	Nitrogen gas cylinder with regulator 1	99.99% pure, 7L, Adjust gas pressure, OEM, input pressure: 200 bar, output pressure 0.2 -10 bar
30	HydrogenCylinders	Hydrogen cylinder with regulators, 99.99% pure, 7L, Adjust gas pressure, OEM, input pressure: 200 bar, output pressure 0.2 -10
31	Conductivity Meter	Resolution — 0.01ppm, 0 to 100 degree centigrade automatic with temperature probe, graphic LCD display, 230VAC, 50 Hz

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. _____