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ding that the refiners would also look at reviewing their crude slate and widening their crude sources. REUTERS

TIMES BUSINESS

THE TIMES OF INDIA, AHMEDABAD
TUESDAY, SEPTEMBER 25, 2018



ANAND (visit www.aau.in for more info.)
No.ICAR/U-9/PR/Tender-1/18 Dt.:25-09-'18

No. ICAR/U-9/PR/Tender-1/18 Dt.: 25-09-'18

Sd/- Unit Officer, ICAR Unit-9, AAU, Anand.

By Order
Company Secretary



GUJARAT STATE

In-Charge, Administration

MoHFW, Govt. of India)

No. F5(77)/FD/EAD/SPFM-PMU/IVA/2017/891 Jaipur, September 18, 2018

(Consulting Services - Firms Selection)

Atmatk Sahitya Yojana Committee of Gujarat has decided to award books for the year 2018-19. Under this scheme books in Gujarati for Union Public Service Commission, Gujarat Public Service Commission, Railway Recruitment Board, Institute of Banking Personnel Selection, Central Police Training School, Bhopal.

જયા પડકાર

આણંદ બ
સ્થનિ



નવીઆદ ગુરુકૃપા સોસાયટીમાં મુસ્લીમ બીરાદરો દ્વારા મહત્વ
જાહેરીયા નોલેજ એન્ડ રીસર્ચ એકેડેમી પ્રેરીત સમસ્ત વિદ્યાર્થી
જાહેરી મશાવખી મોમીન જમાત પ્રાયોજીત કરબલાના શરીર
યાદમાં હુસેની રક્તદાન શિબિરનું આયોજન થયું. જેમાં યુનુસ
મુખી રેડક્રોસ સોસાયટી ઈન્ચાર્જ નકીશભાઈ વેદ, શાહીની
ગમા તેમજ સ્ટાફ ઉપસ્થિત રહ્યો હતો.

(તસવીર : રાજુ મહંત, નડીઆ)



ANAND (visit www.aau.in for more info)
No.ICAR/U-9/PR/Tender-1/18 Dt.:25-9-'18

ENDER NOTICE

TENDER NOTICE

The Unit Officer, C/o. AINP on Pesticide Residues, ICAR, Unit-9, Anand Agricultural University, Anand invited tender for "**Different items for Pesticide Residue Laboratory**". Tender form can be availed from the office on payment of Rs.1500/- in Cash/DD drawn in favour of "AAU Fund A/c." payable at Anand. Last date for issue of tender form **Oct. 16, 2018**, receipt of filled tenders **Oct. 22, 2018** through **speed post/R.P.A.D. only**.

Sd/- Unit Officer, ICAR Unit-9, AAU, Anand

શ્રી દ્વારકાધીશ જીઠક મંદિર, આણંદ
બ્રહ્મસંજ્ઞંધ તથા દાનના નિમિત્તે



શ્રી દ્વારકાધીશ બેઠક મંદિર, આણંદમાં તા.૨૭-૯-૧૮ને ગુરુવારના રોજ પૂ.પા.ગો. ૧૦૮ શ્રીડો.વાળીશકુમારજી મહોદયશ્રી સવારે ૮-૩૦ કલાકે પધારશે અને ૯-૦૦ કલાકે બ્રહ્મસંબંધ આપશે. જે વૈષ્ણવોએ બ્રહ્મસંબંધ લેવાના હોય તેઓએ તા.૨૬-૯-૧૮ને

For office use only

TENDER downloaded from website

**TENDER FORM
FOR
DIFFERENT ITEMS FOR
PESTICIDE RESIDUE LABORATORY**

**Last date of receipt of tender at this office
through RPAD/Speed Post is October 22, 2018**

NOTE:

For the form downloaded from the internet, payment of Rs. 1500/- by DD drawn in the favour of "Anand Agriculture University Fund A/C", payable at Anand should accompany this form separately otherwise the form shall be treated as incomplete and cancelled.



**AINP ON PESTICIDE RESIDUES
ICAR, UNIT-9
ANAND AGRICULTURAL UNIVERSITY, ANAND-388 110**

TEL(O) : 02692-263807
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AINP ON PESTICIDE RESIDUES
ICAR, UNIT-9
ANAND AGRICULTURAL UNIVERSITY,
ANAND-388 110

TERMS AND CONDITIONS

Sealed tender invited on behalf of the Anand Agricultural University, Anand from the Original Equipment/Reagent/Laboratory item Manufacturer or their authorized dealers for the Supply & Installation of Lab Equipments/items in two-bid format for the laboratory of the institute as per the specifications in Annexure-I. The tender document can be downloaded from the University website at URL Link: <http://www.aau.in/tenders>

1. Schedule

Date of Issue/Publishing	25 September, 2018
Last Date and Time for submission of Bids	22 October, 2018, 17.00 hrs
Tentative Date and Time of Opening of Bid	23 October, 2018, 15:00 hrs
Tender Fee	Rs.1500/-
EMD	As per the list Table-1
No. of Covers	Main Cover containing one cover of Technical bid with EMD and Tender Fee; and another cover with price bid.
Cover heading	The cover containing the quotation should be subscribed as "Bid for Supply of different items for Pesticide Residue Laboratory" .
Bid Validity	31 st March, 2019
Address for Communication	Unit Officer, C/o Pesticide Residue Laboratory, ICAR, Unit-9, Anand Agricultural University, Anand - 388 110.

2. Tender Fee and EMD:

- i. Tender Fee & EMD to be submitted in the shape of DD from any Nationalize bank drawn in favour of the **"Anand Agricultural University Fund Account"** as mentioned against the equipment/item together with the technical bid, in the absence of which the price bid, if any, will not be opened under any circumstances. Separate EMD is required if tenderer is quoting for multiple items/equipments.
- ii. No interest on EMD and Security Deposit will be paid by the University to the tenderer.
- iii. The EMD shall be refunded to the unsuccessful bidders after finalisation of the quotation. For successful bidder EMD will be returned against Security Deposit.

3. Two Bid System:

i. Technical bid consisting of all technical details alongwith commercial terms and conditions, Tender Fee and EMD;

and

ii. Financial bid indicating item-wise price for the items mentioned in the technical bid.

iii. Technical bid and financial bid should be sealed in separate covers duly superscribed and both these sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed as "**Tender form for different items for Pesticide Residue Laboratory** " due on October 16, 2018, 17:00 hrs. Technical bids shall be opened at the first instance and evaluated by technical committee. At the second stage financial bids of the only technically qualified bidders shall be opened for financial evaluation and ranking before awarding the contract. Mixing price bid with technical bid will be disqualified.

4. Submission of tender:

Offers addressed to the "Unit Officer, C/o. Pesticide Residues, ICAR, Unit-9, Anand Agricultural University, Anand-388110" and valid till 31st March, 2019 should reach **(through RPAD/Speed Post only)** on or before the last date and time. Tenders received late shall not be considered. Tenders received by courier will not be considered at all.

5. Bidding:

- i. Either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid.
- ii. If an agent submits bid on behalf of a Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
- iii. All offers other than those from the Principal/OEM should be supported by an authority letter from the manufacturer authorizing the supplier to tender on their behalf. In case of manufacturer a certificate or a copy thereof to the effect that the bidder is a manufacturer of the equipment must be accompanied with the technical bid.
- iv. For imported/domestic items a certificate from Quality Council of India / BIS / Quality certificate by approved institute of Government of India/International Institute is required.

6. Rejection of Bids: Canvassing by the Tenderer in any form, unsolicited letter and post-tender correction may invoke summary rejection with forfeiture of EMD. Conditional tenders will be rejected.

7. Bids of debarred/blacklisted firms will not be considered for evaluation. The firms must submit the declaration in format in 'Annexure-XVI'.

8. Price Bid: Price bid should be prepared as per 'Annexure – XV'.

9. Rates Comparison:

Tenderer are requested to send their rates (inclusive of transportation, loading, unloading etc., nothing extra will be paid and free delivery and installation) on FOR, Pesticide Residue Laboratory, ICAR, Unit-9, Anand Agricultural University, Anand-388110. Rates comparison will be made on Net Price (Including Freight/Insurance/Installation/Taxes/Duties etc.)

10. Award of Contract:

After due evaluation of the financial bid(s), the University will award the order to the lowest evaluated responsive tenderer (hereinafter referred to as the "Supplier"). If required, order may be placed for the less quantity.

11. Security Deposit:

The successful supplier has to submit security deposit @ 5 % of the value of purchase order in the form of Bank Guarantee/DD from Nationalized bank payable to "**Anand Agricultural University Fund Account**". On receipt of the purchase/work order, security deposit should be deposited before commissioning the work. Failure in submitting security deposit in time, the EMD will be forfeited. On approval of the tender supplier should make the agreement on the stamp paper of the value 4.25% of the security deposit, that aforesaid "Terms and Conditions" are agreeable to them. This should be signed and stamped in the presence of two witness and purchaser. Security Deposit will be returned after successfully completion of warranty period.

12. Payment Terms:

Full Payment will be made to the supplier after successfully installation of equipments/items. For Solvents/reagents (Item No. 16 to 19), in-house test will be carried out for suitability before payment.

13. Delivery & Installation:

- i. All the goods ordered shall be delivered and installed within 6 weeks from the date of issue of the purchase order. All the aspects of safe delivery and commissioning shall be the exclusive responsibility of the supplier. The goods are to be supplied within this stipulated period, failing which the supply order is liable to be cancelled.
- ii. Satisfactory installation / commissioning and handing over the equipment mean the faultless functioning of the equipment for a minimum period of 30 days after satisfactory installation.

14. Taxes/Duties:

Being an educational institution we have no GST number. Hence, rates should be quoted accordingly. As Anand Agricultural University is registered with Ministry of Science and Technology, DSIR certificate for applicable GST exemption/Custom Duty (wherever applicable) will be provided. This is applicable for the items used for research purpose only.

15. Service Facility: bidder should mention about the service set up in India and how capable they are to provide after sales services.

16. Reference of supply (Wherever applicable):

Name and contact details of the premier educational Institutes where the quoted equipment has been installed in India should be enclosed. Copies of at least two purchase orders may be attached (If possible). AAU, Anand reserves the right to inspect the equipment for its actual performance in any of the listed Institute.

Table 1: Particular with required quantity and EMD details

Sr. No.	Particulars with specification	Required Qty.	EMD Price (In Rs.)
1	Voltage Stabilizer/Voltage Corrector [Details specification as per Annexure-I]	1 No.	12,000/-
2	Nitrogen Concentrator/Sample Evaporator [Details specification as per Annexure-II]	2 Nos.	10,000/-
3	Fire Extinguisher Capacity: 2 Kg, 4 Kg & 6 Kg [Details specification as per Annexure-III]	10 Nos.	2,000/-
4	Dehumidifier [Details specification as per Annexure-IV]	5 Nos.	4,000/-
5	Laboratory Stool [Details specification as per Annexure-V]	40 Nos.	5,000/-
6	Conference Chair [Details specification as per Annexure-VI]	25 Nos.	5,000/-
7	Weighing Balance (Details specification as per Annexure-VII)	----	-----
	1. Analytical Weighing Balance (Cap. 82g/220g)	1 No.	4500/-
	2. Analytical Weighing Balance (Cap. 320g)	1 No.	4500/-
	3. Top Loading Weighing Balance (Cap. 2.2 Kg)	1 No.	1200/-
	4. Top Loading Weighing Balance (Cap. 320g)	1 No.	2000/-
8.	Split Inverter AC - 2 Ton capacity [Details specification as per Annexure-VIII]	7 Nos.	13,000/-
9.	Split Inverter AC - 1.5 Ton capacity [Details specification as per Annexure-IX]	7 Nos.	11,000/-
10.	Refrigerated Centrifuge: Rotor Capacity - 12 X 15 ml (Conical Bottom QuEChERS Tube) [Details specification as per Annexure-X]	1 No.	12,000/-
11.	Refrigerated Centrifuge: Rotor Capacity - 6 x 50 ml (Conical Bottom QuEChERS Tube) [Details specification as per Annexure-XI]	1 No.	12,000/-
12.	High Volume Homogenizer [Details specification as per Annexure-XII]	2 Nos.	13,500/-
13.	Laboratory Freezer [Details specification as per Annexure-XIII]	1 Nos.	10,000/-
14.	Roofing Weather Shed [Details specification as per Annexure-XIV]	630 Sq. Ft.	3,000/-

15.	Roller Blinds Acrylic coated polyester fabric total blackout type roller blinds for windows with very high tearing strength and hanging quality. Quote the rates per sq. ft. inclusive of all materials and fittings with installation.	800 Sq.Ft. (30 Windows)	4,000/-
16.	Primary Secondary Amine (PSA) Suitable for QuEChERS multi-residue method. 40-60 μ particle size.	2 Kg	7,500/-
17.	Acetonitrile (For LC-MS/MS) Suitable packing size of Bottle: 2.5 Ltr/4 Ltr	80 Ltr	4,000/-
18.	Methanol (For LC-MS/MS) Suitable packing size of Bottle: 2.5 Ltr/4 Ltr	80 Ltr	4,000/-
19.	Water (For LC-MS/MS) Suitable packing size of Bottle: 2.5 Ltr/4 Ltr	80 Ltr	3,000/-
20.	Certified Reference Materials for pesticide	-----	-----
	A. Mixtures of minimum 200 pesticide standard (for LC-MS/MS), minimum concentration 100 μ g/mL (Quantity 1 mL) with at least one year expiry date and NIST traceable.	1 Set	8500/-
	B. Mixtures of minimum 200 pesticide standard (for GC-MS/MS), minimum concentration 100 μ g/mL (Quantity 1 mL) with at least one year expiry date and NIST traceable.	1 Set	5600/-

Annexure-I

Specification for Voltage Stabilizer/Voltage Corrector:

Technical Specification			Compliance (Yes/No)
Capacity	:	150 Kva 3 Phase	
Type	:	Fully Automatic Servo Motor Operated with Digital Control	
Technology	:	Micro-controller/DSP based PWM Technology	
Environment	:	Indoor, Floor Mounting, continuous operation.	
Load	:	Unbalanced type	
Input Voltage	:	300v - 485v AC	
Output	:	415V AC+/- 1%	
Transformer	:	Only Electrolyte grade copper wound of 99.99% purity. Low loss lamination to be used.	
Variac	:	Should be Minimum 70A Capacity	
Correction speed	:	>35V/Sec	
Response Time	:	<100 msec	
Auto/Manual Facility	:	Auto Manual facility for individual phases.	
Efficiency	:	Better than 98%	
Over load capacity	:	120% of total capacity for short duration	
Cooling	:	Oil cooled	
Effect on power factor	:	Nil	
Waveform Distortion	:	Nil	
Operating Temperature	:	0 to 45 °C from ambient.	
Relative Humidity	:	0-95 RH @ 0-45°C non-condensing	
Protection	:	a) Over Voltage Protection b) Under Voltage Protection c) Electronic Overload and Short-circuit Protection through MCB/MCCB d) Single Phasing Preventer e) Manual Bypass Switch f) Phase Reversal Preventer g) Built-in spike suppressor h) Transient Voltage Surge i) 3-phase to be provided for protection against surge voltages	
Control Module	:	Control System plug in type for easy maintenance	
Metering	:	Digital Type Voltage, Current, Meters for both input and output indication.	
Operated Frequency	:	47 to 53 Hz.	
Oil/Oil tank	:	Stabilizer should be oil cooled, with minimum 450 Ltr oil with cooling radiator.	
Spike buster	:	3 phase spike buster.	
Motor for dimmers	:	AC synchronous motors.	
Voltage selector	:	Voltage selector switch for individual phases.	
Cable gland	:	Cable gland for individual input and output.	

Wiring	:	Multi standard copper wiring of suitable capacity must be included.	
Earthing	:	Earthing on main line is already available, however additional earthing (if required) is liabilities of vendor.	
Mains MCCB	:	250 Amps of MCCB.	
Cutoff	:	Through contactor tripping.	
Certification	:	ISO 9001 2008 (Copy must be attached)	
Warranty	:	Minimum five years	

Annexure-II

Specification for Nitrogen Concentrator/Sample Evaporator:

Technical specification				Compliance (Yes/No)	
General	:	Should be Precision Sample Concentrator by Nitrogen Purging. It should be for multiple sample pre-concentration. Should be a Table Top Model. The unit must be able to a constant Flow and constant Temperature to ensure good evaporation. The Nozzle height should be electrically set to the required level.			
Concentration	:	Vortex Shearing Concentration			
Time Range	:	15 sec to 10 hours			
Time Set-up / down arrow keys	:	15 sec increments or better			
Temperature range	:	Ambient to 90°C (thermal cut out for safety)			
Temperature set-up / down arrow keys	:	1 °C increment			
Start/stop	:	Green LED indication when process is On			
Display	:	LCD (Digital)			
Gas stations	:	5 Nos. with LED indication			
Gas regulator range	:	0 to 100 PSI (approximate)			
Pressure gauge range	:	0 to 100 PSI			
Controlled	:	Fully Microprocessor based			
Sample capacity	:	50 Nos.			
Gas Line	:	5 Nos.			
Water tank capacity	:	6.5 Ltr.			
Exhaust	:	Suitable exhaust system if required			
Power supply	:	230 V AC / 3Amp			
Error indication	:	LED indication with Buzzer			
Rack Specification	:	Rack Type	Working volumes	Type of Test Tube	
		16mm x 100mm	13 ml	Round Surface	
		17mm x 125 mm	15 ml	Conical	
		17mm x 150 mm	16 ml	Round Surface	
Certification	:	ISO 9001 : 2015 & CE Certified			
Warranty	:	Comprehensive warranty for five (05) years including all consumable			

Annexure-III

Specification for Fire Extinguisher:

Technical specification		Compliance (Yes/No)
General	: Controlled discharge, BIS Approved, Powder as per IS 14609, Good Quality Hose Pipe, Robust Design, Quality Lining, etc	
Fire Extinguisher Capacity	: 2 kg, 4 kg & 6 kg	
Fire Rating	: [2 kg - 1A, 8B], [4 kg - 2A, 21B] & [6 kg 3A, 21B]	
Operating Position	: Upright	
Anti-corrosion Inhibitor	: Powder Coating	
Type of Extinguisher	: Store Pressure	
Confirming IS Code	: 15683	
Type of Extinguisher Media	: Dry Powder IS 14609	
Expellant	: Pressurized N2 Gas	
Min. Effective Discharge (%)	: 85	
Min. Jet Length (M)	: More than 2 M	
Discharge Time (Sec)	: More than 13 Sec	
Hydraulic Test Pressure (KGF/CM2)	: 35	
Charged Pressure (KGF/CM2)	: 15	
Operating Temp. Range (°C)	: -10 to +55°C	
Operating valve	: Squeeze grip type with nozzle	
Warranty	: Minimum two years	

Annexure-IV

Specification for Dehumidifier:

Technical specification		Compliance (Yes/No)
General features	: Auto-humidity sensor, Economical standby mode, Programmable timer, Quiet Operation, CFC free refrigerant.	
Moisture Extraction Capacity	: @ 30° C & 80% RH; 20 Liter/day	
Coverage Area (Non A.C.)	: 250 Sq Ft / 2500 ft3 / 70 m3	
Moisture Extraction Capacity	: @ 23° C & 60% RH; 10 Liter/day	
Coverage Area (A.C. w/o AHU)	: 125 Sq Ft / 1250 ft3 / 35 m3	
Body Material	: Spl Grade Plastic or better	
Humidity Setting	: Upto 40% - Digital	
Water Collection Tank	: 3.5 Ltr	
Compressor	: Rotary type	
Refrigerant	: R134a or better	
Air Flow	: 160 m3/hr or better	

Power	:	360 Watts	
Voltage	:	220V AC, 50 Hz	
Noise Level	:	< 45 dB	
Direct Drain Facility	:	Yes	
Pre-filter	:	Yes	
Castor Wheel	:	Yes	
Size	:	Approx 2 Ft. Height	
Warranty	:	Minimum 3 Years	

Annexure V:

Specification for Laboratory Stool:

Technical specification			Compliance (Yes/No)
Full Height	:	25 Inch (Seat to base)	
Diagram of seat	:	15 Inch	
Support	:	Two supports with Round Foot Rest	
Seat to back height	:	14 Inch	
Height adjustment system	:	Manual operate system for Height adjustment	
Fabric	:	Blue (Selection)	
Base	:	Five prong base with levelers.	
Warranty	:	Minimum three years for all the parts.	

Annexure VI:

Specification for Conference chair:

Technical specification			Compliance (Yes/No)
• Ergonomically designed back with adjustable lumbar support,			
• Synchro tilt mechanism			
• PP fixed arm rest			
• Load tested metal PC base			
• Gas lift for seat height adjustment & 30% glass filled nylon castors for smooth movement of chair			
• Upholstery option available in PU leather and rich fabrics			
• 50 dc mould cushion in seat and back, waterfall design seat for better thigh support.			
• Minimum three year warranty on all the parts.			

Annexure VII:**Weighing Balance(Make: Shimadzu/Sartorius/Mettler)**

Technical specification			Compliance (Yes/No)
1. Analytical Weighing Balance (Cap. 82g/220g)			-----
Capacity	:	82g/220g	
Display	:	0.01mg/0.1mg	
Type	:	Semi Micro	
Calibration	:	Internal	
Pan Size	:	Ø80	
2. Analytical Weighing Balance (Cap. 320g)			-----
Capacity	:	320 g	
Display	:	0.1 mg	
Type	:	Analytical	
Calibration	:	Internal	
Pan Size	:	Ø80	
3. Top Loading Weighing Balance (Cap. 2.2 Kg)			-----
Capacity	:	2.2 Kg	
Display	:	10mg/0.01g	
Type	:	Top Pan	
Calibration	:	External	
Pan Size	:	160x124	
4. Top Loading Weighing Balance (Cap. 320g)			-----
Capacity	:	320g	
Display	:	1mg/0.001g	
Type	:	Top Pan	
Calibration	:	External	
Pan Size	:	Ø110	

Annexure VIII:**Split Inverter AC - 2 Ton capacity
(Make: Voltas/Mitsubishi/Hitachi/Toshiba/Daikin)**

Technical specification			Compliance (Yes/No)
Energy Rating	:	3 Star ISEER 2018 Rating (3.50-3.99 kWh)	
Capacity	:	2 Ton	
Cooling Capacity	:	>6000 W	
Type	:	Split	
Moisture removal	:	2.5 L/hr	
Air circulation	:	≥ 800 CFM	
Noise level	:	≤ 50 dB for Indoor Unit	
Mode	:	Dry Mode, Dehumidification, Turbo Mode, Sleep Mode, Cool Mode	
Features	:	Auto Air Swing, Speed Setting, Operation Control, Auto Restart, On/Off Timer, Chaos	

		Logic, Fuzzy Logic, Jet Cool	
Filters	:	Anti-Bacteria Filter, Dust Filter, etc.	
Operation	:	LCD Remote	
Compressor Type	:	High EER Rotary	
Wide Operating Voltage Range	:	145-270 V	
Full Load Capacity	:	35% Min - 110% Max	
High Ambient Cooling	:	52°C	
Refrigerant Gas	:	R410A	
Connecting Pipe	:	Copper (1/2" & 1/4")	
Condenser Coil	:	Copper	
Evaporator Fin	:	Blue Fin or better	
Voltage Stabilizer	:	Suitable Voltage Stabilizer	
Warranty	:	As per the terms and conditions of manufacturer. (At least 5 year on compressor)	

Annexure IX:
Split Inverter AC - 1.5 Ton capacity
(Make: Voltas/Mitsubishi/Hitachi/Toshiba/Daikin)

Technical specification			Compliance (Yes/No)
Energy Rating	:	3 Star ISEER 2018 Rating (3.50-3.99 kWh)	
Capacity	:	1.5 Ton	
Cooling Capacity	:	>5200 W	
Type	:	Split	
Moisture removal	:	2.5 L/hr	
Air circulation	:	≥ 600 CFM	
Noise level	:	≤ 50 dB for Indoor Unit	
Mode	:	Dry Mode, Dehumidification, Turbo Mode, Sleep Mode, Cool Mode	
Features	:	Auto Air Swing, Speed Setting, Operation Control, Auto Restart, On/Off Timer, Chaos Logic, Fuzzy Logic, Jet Cool	
Filters	:	Anti-Bacteria Filter, Dust Filter, etc.	
Operation	:	LCD Remote	
Compressor Type	:	High EER Rotary	
Wide Operating Voltage Range	:	145-270 V	
Full Load Capacity	:	35% Min - 110% Max	
High Ambient Cooling	:	52°C	
Refrigerant Gas	:	R410A	
Connecting Pipe	:	Copper (1/2" & 1/4")	
Condenser Coil	:	Copper	
Evaporator Fin	:	Blue Fin or better	
Voltage Stabilizer	:	Suitable Voltage Stabilizer	
Warranty	:	As per the terms and conditions of manufacturer. (At least 5 year on compressor)	

Annexure X:
Specifications for Refrigerated Centrifuge - 15 mL

Technical specification		Compliance (Yes/No)
Max RPM	: 12000 or better	
Min RPM	: 100-500	
Temperature range	: -10 to +40 °C with 1 °C increment	
Timer	: up to 100-180 min	
Operation	: Single Nob	
Display	: Microprocessor based controller with large LCD	
Refrigeration	: CFC Free	
Sensors	: Magnetic rotor identification & imbalance sensors	
Lid	: Motorized lid lock & inter lock facility for automatic lid opening after the run	
Power supply	: 220 V, 60 Hz	
Motor life	: Indicator for end of rotor life	
Error diagnostic	: Automatic indication of errors	
Noise level	: ≤ 60 dB(A) at maximum speed	
Speed selection	: Both in rpm and g-force, acceleration and Deceleration rate should be minimum 10	
Rotor	: Fixed angle, 12 x 15 mL Conical Bottom QuEChERS Tubes	
Certification	: Should be CE Certified	
Warranty	: 3 Years service warranty	
Annual Maintenance service	: 3 years (beyond warranty(AMC))	

Annexure XI:
Specifications for Refrigerated Centrifuge - 50 mL

Technical specification		Compliance (Yes/No)
Max RPM	: 8000 or better	
Min RPM	: 100-500	
Temperature range	: -10 to +40 °C with 1 °C increment	
Timer	: up to 100-180 min	
Operation	: Single Nob	
Display	: Microprocessor based controller with large LCD	
Refrigeration	: CFC Free	
Sensors	: Magnetic rotor identification & imbalance sensors	
Lid	: Motorized lid lock & inter lock facility for automatic lid opening after the run	
Power supply	: 220 V, 60 Hz	
Motor life	: Indicator for end of rotor life	
Error diagnostic	: Automatic indication of errors	
Noise level	: ≤ 60 dB(A) at maximum speed	
Speed selection	: Both in rpm and g-force, acceleration and Deceleration rate should be minimum 10	
Rotor	: Fixed angle, 6 x 50 mL Conical Bottom QuEChERS Tubes	
Certification	: Should be CE Certified	
Warranty	: 3 Years service warranty	
Annual Maintenance service	: 3 years (beyond warranty(AMC))	

Annexure XII:**Specifications for Homogenizer - High Volume (Imported) - 2 Nos.**

Technical specification		Compliance (Yes/No)
Power	: 1500 Watts	
Voltage	: Single phase.	
Capacity	: 3 HP	
Speed	: Variable 300-3000 rpm (Two speed).	
Bowl Capacity	: 7 Litres.	
Lid	: Polycarbonate with provision for addition of liquid, leak proof, see thru lid.	
Scraper	: To scrap the homogenate from sick wall of the bowl, built in, with safety device for operator.	
Bowl	: Stainless Steel with handle.	
Blade	: Heavy duty, fine serrated, Stainless steel	
Accessories	: With all essential accessories.	
Warranty	: Standard warranty as per manufacturer	

Annexure XIII:**Specifications for Laboratory Freezer**

Technical specification		Compliance (Yes/No)
Temp Range	: -20°C to -40°C	
Capacity	: 250-276 Ltr	
Cabinet	: Min 5-6 Nos. with 8 Inch Height	
Display	: Digital Temp display	
Refrigerant	: R600a Hydrocarbon refrigerant	
Alarm	: Adjustable audio/visual alarms; Door lock & Door ajar alarm; Remote alarm contacts	
Doors	: Field reversible solid doors	
Insulation	: HCFC and CFC free insulation	
Access port	: 16mm	
CE marked	: Should be CE Marked	
Warranty	: 3 Years	

Annexure XIV:**Roofing Weather Shed: 45 Ft x 14 Ft**

Technical specification		Compliance (Yes/No)
Size of structure	: 45' x 14' = 630 Sq. Ft.	
Steel specification	: Both side pre painted galvalume(PPGL)	
Combination	: 55% Aluminum, 43.4% Zink, 1.6% Si.	
Tensile Strength	: 240 to 550 MPA	
Coating Standard	: AS 1397 - 1993 (RMP)	
Material	: Bare Galvalume ASTM A792M	
Coating Mass	: AZ 150	
Base Metal	: High Tensile Steel	
Painting Thickness	: Top: SDP 35 microns, Bottom: RMP 25 microns	
Profile Specification	: 32/22 and 200	
Supply Width	: 1150 mm	
Cover Width	: 1090 mm	
Total Coated Thickness	: 0.50TCT	
Colour	: Apply red oxide and black colour	
Rate	: Rate should be quoted per square feet along with all material, labour, taxes and transportation charges	
Warranty	: 10 Years	

Annexure: XV

FORMAT FOR THE SUBMISSION OF RATES – PRICE BID (To be submitted on the letterhead of the company/firm)

Date:

Name of the Equipment/Items: _____

Name of the Manufacturer _____

Make of the Equipment _____

Name of the nearest Service Provider _____

PRICE BID

Sr. No.	Particulars with specification	Per Qty.	Rate/Qty. (in INR)	Applicable GST (%)
1	Voltage Stabilizer / Voltage Corrector	1 No.		
2	Nitrogen Concentrator/ Sample Evaporator	1 No.		
3	Fire Extinguisher, Capacity: 2 Kg	1 No.		
	Fire Extinguisher, Capacity: 4 Kg	1 No.		
	Fire Extinguisher, Capacity: 6 Kg	1 No.		
4	Dehumidifier	1 No.		
5	Laboratory Stool	1 No.		
6	Conference Chair	1 No.		
7	Weighing Balance	-	-----	-----
	a.Capacity: 82g/220g (Analytical)	1 No.		
	b.Capacity: 320g (Analytical)	1 No.		
	c.Capacity: 2.2kg (Top pan)	1 No.		
	d.Capacity: 320g (Top pan)	1 No.		
8	Split Inverter AC - 2 Ton cap.	1 No.		
9	Split Inverter AC - 1.5 Ton cap.	1 No.		
10	Refrigerated Centrifuge: Rotor Capacity - 12 X 15 ml	1 No.		
11	Refrigerated Centrifuge: Rotor Capacity - 6 x 50 ml	1 No.		
12	High Volume Homogenizer	1 No.		
13	Laboratory Freezer	1 No.		
14	Roofing Weather Shed	1 Sq. Ft.		
15	Roller Blinds	1 Sq. Ft.		
16	Primary Secondary Amine (PSA)	1 Kg		
17	Acetonitrile (for LC-MS/MS)	2.5 Ltr Bottle		
		4 Ltr Bottle		
18	Methanol (For LC-MS/MS)	2.5 Ltr Bottle		
		4 Ltr Bottle		
19	Water (For LC-MS/MS)	2.5 Ltr Bottle		
		4 Ltr Bottle		
20	Certified Reference Materials for pesticide		-----	-----
	a.For LC-MS/MS	1 Set		
	b.For GC-MS/MS	1 Set		

This is certified that the rates quoted above are not more than the rates charged from any other Institute/ Department/Organization.

Signature & Seal of the Tenderer

Annexure-XVI

FORMAT FOR NON BLACKLISTING OF SUPPLIER

I/ We _____Manufacturer/partner/Authorized Distributor/Agent
(strike out which is not applicable) of (Supplier)
_____do hereby declare and solemnly affirm
that the individual/firm/company is not black-listed by the Union/State
Government/Autonomous body.

Deponent

Address

I/ We hereby solemnly declare and affirm that the above declaration is true
and correct to the best of my knowledge and belief. No part of it is false and
nothing has been concealed.

Deponent

Dated: _____

(Note: To be furnished on non-judicial stamp paper duly attested.)