Food Safety and Standards Authority of India
(A statutory Authority established under the Food Safety and Standards Act, 2006)
(Quality Assurance Division)
FDA Bhawan, Kotla Road, New Delhi – 110002

Dated, the 22nd July, 2019

RFP No. 09/2019-20 PROCUREMENT OF INSTRUMENTS, CONSUMABLES AND CHEMICALS FOR ITCFSAN: CORRIGENDUM -01

Further to this office Tender Enquiry No. 09/2019-20 dated 02nd July 2019 and pre-Bid on 11th July 2019.

2. The following amendment are made in the ibid tender:

PART I – GENERAL INFORMATION AND INSTRUCTIONS

1. **Last date and time for depositing the Bids: 05 August 2019 by 1500 Hrs.** The sealed quotations under two bid system (i.e. Technical Bid & Commercial Bid) in sealed covers should be deposited/reached by the due date and time. The responsibility to ensure this lies with the Bidder.

4. **Time and date for opening of Bids:** The tender box will be opened on **05 August 2019 at 1530 hrs**. (If due to any exigency, the due date for opening of the Technical-Bid is declared a closed holiday, then it will be opened on the next working day at the same time or on any other day/time, as intimated by this office).

PART II – ESSENTIAL DETAILS OF ITEMS/SERVICES REQUIRED

3. **Delivery Period –** Delivery period for supply of items would be **45 days for domestic items and 60 days for imported items** from the date of issue of Supply Order. Please note that Supply Order can be cancelled unilaterally by the Buyer in case items are not received within the Supply Ordered delivery period. Extension of Supply Ordered delivery period will be at the sole discretion of the Buyer, with applicability of Liquidated Damages(LD) clause.

10. **Bid Form**

TECHNICAL BID FORM (B)

The bids of only the technically qualified bidders will be eligible for consideration for opening of financial bid. The technical bid of the bidders will be evaluated on the basis of specification of the offered model vis-à-vis the prescribed specification given below :

A – Instruments

Sl.No	Specifications	Please Specify whether the quoted model meets the specification (Yes/No)	Name of the Model and its Specification
01. Nitrogen Generator for sample concentration			
1.	**General**: The Nitrogen generator with a suitable light weight compressor should be of modular design, compact in size, automatic operation, minimum noise level. Should have flexibility to continually increase Nitrogen production capacity at a later date. Nitrogen should be generated from the atmospheric air. The whole system should be compact and properly assembled without any leakage. The purifier should remove oxygen & all other unwanted impurities.		
2.	**Compatibility**: The unit is completely compatible with the solvent evaporator for sample concentration, which is having at least 25 nozzles for sample concentration for the parameters of pesticides, antibiotics, PAH etc., for which solvents using of acetonitrile, ethyl acetate, n-hexane, methanol, dichloromethane, acetone and other organic solvents etc., for extraction purpose.		
3.	**Delivery Capacity**: 150 L/min or better.		
4.	**Maximum outlet gas pressure**: 6.9 bar/100 psi or better		
5.	**Nitrogen Purity**: Above 95 %		
6.	**Pre-filtration system**: Should supply with a high efficiency pre-filtration system pretreats the compressed air to remove all contaminants down to 0.01µm along with all other necessary filters for purified nitrogen supply. Also should supply necessary tubings and pressure regulator.		
7.	**Phthalates**: None		
8.	**Suspended liquids**: None		
9.	**Input pressure**: Non condensing and Air cooled in-built Oil free Air Compressor with Auto cut Off and Auto start.		
10.	**Temperature range:** Should work in temperature range of 10 to 35°C in humidity range of 50-89%		
11.	**Noise level**: The nitrogen generator should be supplied with a suitable light weight compressor less than 54dB noise level, so that it can be kept inside the laboratory with minimal very low noise.		
12.	**Moisture trap**: It should be supplied with timer based high efficiency moisture trap and separator.		
13.	**User interface**: Touch screen/ LCD/LED graphic display.		
14.	**Mobility**: The generator should be supplied with caster wheels for easy mobility		

15.	**Safety**: It should have safety system with safe alarms		
16.	**Power requirements**: Operating voltage 230 V/50 Hz		
17.	**Warranty**: Comprehensive warranty for minimum 05 years includes PM kits, all filters, necessary accessories, spare parts with unlimited breakdown visits on request to be provided.		
18.	**Instrument Performance Verification/IPV(IQ,OQ & PQ):** • IQ, OQ should be done with document to be provide, with necessary PM kits during installation and at every maintenance visits during warranty period. • OQ/IPV should be done free of cost with supply of PM kits with all necessary accessories/spare parts with two preventive maintenance per year along with PM visits during warranty period.		
19.	**Certificate**: The system should have CE certification/ ISO product certification		
20.	**Delivery**: The instrument supplied to the site of address provided. If any permit such as road permit/way bill, customs/excise duty, octroi or any taxes should be borne by the supplier. If any documents required for the above purpose, the office may consider to provide on request prior intimation.		
02. Refrigerated Centrifuge			
1.	Bench top Compact size cooling centrifuge (length & depth approx 2 feet preferred to reduce the bench space).		
2.	Temperature operation range: -5 to +40ºC and ability to maintain 4°C at max speed		
3.	Temperature accuracy ± 2 °C or better		
4.	Maximum speed: 14000 rpm or better with 2.0 ml micro-centrifuge tubes		
5.	Should have LCD display		
6.	Should have low access height		
7.	CFC free refrigerant		
8.	Should have maintenance free brushless drive motor		
9.	Should have automatic rotor recognition facility		
10.	Automatic imbalance detection		
11.	Should have motorized lid lock system		

12.	Rotors: a) Fixed angle Rotor for 24 x 1.5/2ml capacity 14,000 rpm or better b) Fixed Rotor for 6 x 50ml capacity (compatible for V bottom tubes) with 12,000 rpm or better Sufficient and suitable adaptor for lower capacities (15 ml and 2 ml tubes) to be used in 50 ml capacity rotor should be provided.		
13.	Rotor should be made of anodized aluminum for high chemical resistance and aerosol tight lid for safe centrifugation.		
14.	Other items (rotors/adapters) required for improving the applicability/system performance should be quoted as optional.		
15.	Optimum safety according to national and international regulations (IEC 61010) and CE certified.		
16.	Instrument Performance Verification/IPV (IQ, OQ, PQ) should be done free of cost by the supplier with necessary documents and traceability to the satisfaction of EIA-Kochi.		
17.	1.5/2.0 ml, 15ml, 50 ml Centrifuge tubes (V-bottom) 1000 Nos. each should be supplied.		
18.	Warranty: • Minimum 05 years comprehensive onsite warranty including necessary calibrations from the date of installation and commissioning • Should be provided with calibration/validation certificate for critical parameters from a third party accredited/competent agency		
19.	Training of personnel a) Demonstration and preliminary training on operation and maintenance of the equipment at our site at the time of installation and troubleshooting training as and when required, free of cost.		
03. Nitrogen evaporator (Bench-top Turbo Evaporator)			
1.	Bench top Compact size Nitrogen Evaporator to evaporate/concentrate solvent for food, agrochemical application, etc.		
2.	Technology: Gas vortex shearing evaporation design which makes evaporation faster compared to other techniques smoothening		

3.	Controller: Microprocessor based monitoring system to regulate timed operation, water bath temperature, automatic gas shutoff & operational diagnostics		
4.	No. of samples : 48-50 positions with user selectable racks for greater flexibility		
5.	Should be able to evaporate up to 16 mL of sample volume with the suitable sample tube rack. If needed rack should available for handling sample tube with volume as low as 4 ml		
6.	Should have separate gas control for the 5 independent manifolds, each manifold consisting of 8-10 tube positions		
7.	Gas control: Gas can be turned on to each of five independent manifolds when working with fewer than 50 samples.		
8.	Water bath capacity should be about 6L or better and the water bath temperature range should be from ambient to 90˚ C.		
9.	The gas supply requirements should be with the minimum inlet pressure of 4.1 bar (or 60psi) and the maximum inlet pressure of 6.9 bar (or 100 psi).		
10.	Should have the timer range of 1 to 99 min. or 0.1 to 9.9 hrs.		
11.	Should be equipped with a suitable exhaust tube for exhausting the vapor.		
12.	Should have a 2 inch venting exhaust for exhausting the vapors, with a suitable tube.		
13.	Dimensions of the system should be approx. 53.8cm x 30.2cm x 30.2cm or less		
14.	The system should be provided with the test tube rack with following dimensions • Test tube rack to hold 16 x 125 mm dimension test tubes, volume up to 16 ml • Test tube rack to hold 12 x 75 mm dimension test tubes, volume up to 4 ml		
15.	The system should be provided with the test tubes with following dimensions ▪ Test tube 16 x 125 mm - 1000/case ▪ Test tube 12 x 75 mm - 1000/case		
16.	The bidder shall have at least 10 similar type of installations in India and have to produce credentials (at least last two years) from the institution / testing laboratories where the systems are installed.		

17.	Should have the following certifications to prove that the instrument has higher efficiency. ▪ 2006/95/EC Low Voltage Directive ▪ 2004/108/EC EMC Directive ▪ 93/68/EEC CE Marking Directive		
18.	Should be supplied with all other necessary accessories required to put the system functional/perform the applications		
19.	IQ, OQ, PQ , Basic/ Trouble shooting training should be provided		
20.	Performance/Calibration Certificate to be provided with Traceability for Temperature		
21.	Power supply: 220-240 V with 50/60 Hz		
22.	Warranty: • Minimum 05 years comprehensive onsite with all PM kits from the date of installation and commissioning.		
23.	Delivery: The instrument supplied to the site of address provided. If any permit such as road permit/way bill, customs/excise duty, octroi or any taxes should be borne by the supplier. If any documents required for the above purpose, the office may consider to provide on request prior intimation.		
04. Deep Freezer(-20 deg C)			
1.	Vertical double door Deep freezer 500-600 L capacity approx with a minimum temperature - 20°C to - 30°C at 30 to 35°C ambient		
2.	Lockable full height doors, heavy duty Castor wheels for easy movement		
3.	Microprocessor controlled with LED Display for controlling and monitoring.		
4.	Resolution: 0.1 deg C or better		
5.	100% HCFC/CFC free refrigerant, frost free.		
6.	Insulation of non CFC material		
7.	Inner liner material should be made of stainless steel and cabinet material should be varnish steel		
8.	No. of trays: Atleast 6 in each compartments		
9.	Noise level less than 55 db		
10.	Double walled maindoor, double gasket system for Leak proof		

11.	Advanced Battery backup digital display for alarms and temperature in event of power cut				
12.	Supplied with appropriate voltage stabilizer.				
13.	Safety: Visual and acoustic alarm, Powe failure alarm, High/low temperature alarm, probe failure Instrument failure alarm				
14.	Certificate of calibration of temperature with NABL traceability.				
15.	Validation protocol with IQ, OQ, PQ Documentation.				
16.	CE certified is preferable				
17.	Warranty: • Minimum 05 years comprehensive onsite warranty including necessary calibrations from the date of installation and commissioning				
05. Micropipettes-Electronic					
	Electronic Micropipettes				
	The Single Channel electronic micro pipettes that are perfect companion for daily, repetitive liquid handling in laboratories, where accuracy of the results and ergonomics are critical. While the fully electronic operations guarantee user-independent results, the light, ergonomic design takes care of the users comfort. With their multiple pipetting modes and wide column range the electronic pipettes perform faster than mechanical pipettes and can cove the volume range of two mechanical pipettes.				
	Description/Specification	**50-1000 µl**	**10-100 µl**		
	Quantity required	3No.s	3No.s		
	Increments	1 µl	0.1 µl		
	Accuracy %	3.0 to 0.6	3.0 to 0.8		
	Precision %	0.6 to 0.2	1.0 to 0.2		
	Warranty	• Minimum 05 years comprehensive onsite warranty from the date of installation and commissioning.			
	Compatibility	Must be compatible with universal tips			
	Accessories	Vendor should supply suitable pipette stands – 2 No.s. Minimum 5000 numbers of each volume tips shall be provided			

06.	**Micropipettes-Mechanical**						
	Volume adjustable pipette should be autoclavable. Pipette body shall be tolerant to solvents and drop impact. Plunger shall not be non-greased. No heavy spring action for pipette force. Stroke shall be smooth. Nossle tip shall be abrasion resistant.						
	Description /Specification	**50-1000 µl**	**10-100 µl**	**1-5 ml**	**1-10 ml**		
	Quantity required	10 No's	8 No's	2 No's	1 No's		
	Increments	1 µl	0.1 µl	50 µl	100 µl		
	Accuracy %	3.0 to 0.8 ±	3.0 to 0.8 ±	3.0 to 0.8 ±	3.0 to 0.8 ±		
	Precision %	0.6 to 0.3	1.0 to 0.3	0.6 to 0.3	1.0 to 0.3		
	Calibration		Certificate to be provided with traceability				
	Warranty		• Minimum 05 years comprehensive onsite warranty from the date of installation and commissioning.				
	Compatibility		Must be compatible with universal tips				
	Accessories		Vendor should supply suitable pipette stands – 3 No.s. Minimum 5000 tips of each volume shall be provided.				
	Delivery: The pipettes supplied to the site of address provided. If any permit such as road permit/way bill, customs/excise duty, or any taxes should be borne by the supplier. If any documents required for the above purpose, the office may consider to provide on request prior intimation.						
07.	**Orbital Shaking Incubator**						
1.	General: Compact, powerful bench top in built compressor, large range of cooling, large loading capacity, stable & maintenance free Orbital shaking incubator						
2.	Automatic stop function: When the cover is opened automatically stops for safety and convenience. When a program is set for certain hours automatic cut off should be there after the run.						
3.	Shaker : Orbital shaking						
4.	Cover: Amber acyclic cover for visual observation during experiment.						
5.	Motor: Brushless DC motor for low noise & no vibration						

6.	Drive system: Beltless Induction drive			
7.	Accessories: Must be easy to change various accessories (spring rack) .Platforms can be placed and replaced easily with non-slip pads.			
8.	During power failure: Features with unexpected stop occurred by power failure function should be present.			
9.	Temperature range: Ambient ±5^{0}C to 80 ^{0}C with accuracy of ±0.5^{0}C at 37^{0}C & temperature increment of 0.1^{0}C.			
10.	RPM range: 30 to 300 RPM at accuracy of ±1 rpm			
11.	Time range & increment: Up to 48 hr (two days) & 1min.			
12.	Control: Microprocessor Digital PID Control			
13.	Orbital diameter: 30 mm or better (it must hold 50 ml Poly propylene tubes, 50 ml, 100 ml, 250 ml conical flasks)			
14.	Display & operating panel : LED touch button			
15.	Compressor: 1/8 hp (CFC free refrigerant gas) or better			
16.	Volume: Not more than 84 Litre			
17.	Thermostat: Overheating safety thermostat			
18.	Overall dimension: Maximum 550 (W) x 790 (D) x 555 (H) mm			
19.	Accessories: Holder Platform: 100 ml x 36 or better			
20.	Power :110-220V, 50/60Hz			
21.	Compliance with Validation protocol with IQ, OQ, PQ Documentation as per ICH guidelines			
22.	Safety: High temperature safety cut off & alarms for high/low set temperature, Electrical circuit breaker			
23.	Electrical parts: All electrical parts should have CE conformity and certification			
24.	Warranty: Minimum 05 years comprehensive onsite warranty from the date of installation and commissioning.			
25.	Delivery: The instrument supplied to the site of address provided. If any permit such as road permit/way bill, customs/excise duty, or any taxes should be borne by the supplier. If any documents required for the above purpose, the office may consider to provide on request prior intimation.			
08.	**Ultrasonicator**			
1.	**General**	Reputed branded very high quality stainless steel Ultrasonic Bath with SMPS Power Supply Single unit of Tank & Power Supply. Supplied with Beaker stand, Drain Valve, lid and Digital Temperature controller.		

2.	**Features**			
3.	**Capacity**	5 Ltrs		
4.	**Tank Dimensions**	8” x 8” x 5” H		
5.	**Power Output**	150 watts.		
6.	**Frequency**	33±3 KHz		
7.	**Ultra Sonic Frequency**	33 KHz		
8.	**MOC**	SS 304		
9.	**Enclosure & Lid**	SS 304 (Rust free)		
10.	**Ultrasonic Generator**	frequency Build in MOSFET based SMPS		
11.	**U/s Transducer**	Imported PZT Sandwich type, bonded at the bottom of the tank		
12.	**Input Supply**	230 VAC, single phase		
13.	**Control Panel consisting of : Timer**	0-99 minutes digital count down with display		
14.	**Auto degassing**	Preset 5 minutes		
15.	**PSP**	Pulse Sweep Power for Uniform distribution of Ultrasonic energy		
16.	**Heater**	Temperature cut off maximum 60°C		
17.	**Warranty**	Minimum for a period of 05 years from the date of installation and commissioning including all associated accessories. IQ/OQ/PQ document should provide. During warranty period, if there is any repair to be carried out at the supplier’s works, transportation cost of equipment/component besides repair / replacement charges, if any, should be borne by the supplier. Minimum spares must be provided for trouble free operation during warranty period.		
18.	**Delivery**	The instrument supplied to the site of address provided. If any permit such as road permit/way bill, customs/excise duty, octroi or any taxes should be borne by the supplier. If any documents required for the above purpose, the office may consider to provide on request prior intimation.		

09.	**Solid Phase Extraction System (SPE) with Vacuum Pump**			
1.	**VACUUM MANIFOLD FOR SPE CATRIDGES**	VAC ELUT 20 MANIFOLD WITH THE GLASS BASIN AND COLLECTION RACK FOR 16x150mm (20ml capacity) Tank constructed of chemically resistant , vacuum-safe glass, Ultra high molecular weight polyethylene lid that ensures excellent solvent resistance, vacuum gauge with coarse and fine control valves for monitoring and adjustment and vacuum levels, plus a safety release valve. Standard height adjustable rack for 16 mm test tubes. It should be rugged and reliable and should have multiple rack options **Oil Free Vacuum Pump** Max. Flow : 17 LPM Max. Vacuum : 24" Hg (600mm) Max. Pressure : 12 psig Motor : 1/8" HP Supplied with Vacuum Gauge & Controller		
2.	**Accessories**	Needle retainer – 10 No.s Port seal plugs – 10 No.s Individually controlled PTFE top –cock – 10 No.s **Spares for extraction unit:** Large sample loading kit for 10 ports Vacuum Manifold Glass tubes 16mmX100 mm – 1000 No.s Trap kit - 4X500 ml **SPE elution test tube rack** 10X10 mm adjustable height rack 10X12 mm adjustable height rack 20X10 mm adjustable height rack 20X12 mm adjustable height rack Stainless Steel elution test tube stand for 20 No.s 500 no.s of RP18/C18 500mg-1g, 6 CC ODS SPE cartridges to be supplies along with the system.		
3.	**User list**	Should have proven certified installations of at least 5 No's in all over India. Please submit reference list of installations. Warranty for the Vacuum pump should be minimum two years.		
4.	**Warranty**	Minimum 05 years comprehensive warranty including vacuum pump and all accessories connected to SPE vacuum manifold.		

5.	**Delivery**	The instrument supplied to the site of address provided. If any permit such as road permit/way bill, customs/excise duty, octroi or any taxes should be borne by the supplier. If any documents required for the above purpose, the office may consider providing on request prior intimation.		
10.	**pH and Conductivity Meter (dual)**			
1.	General: Should be Bench top Multi-parameter measuring pH, Conductivity in single meter			
2.	Touch screen :Should be easily switch between pH, conductivity by touchpad screen			
3.	pH range: 0 to 14 Ph			
4.	Conductivity range : 0 to 19.99, 0 to 199.9 mS			
5.	pH resolution : 0.01pH			
6.	Conductivity resolution : 0.01, 0.1 mS			
7.	pH Accuracy : ±0.002 pH			
8.	Conductivity accuracy : ±1% full-scale + 1 digit			
9.	Measurement : Should have Dual LCD shows measurement Should have separate probes to suit a variety of applications. Should be of user Customization for more accurate measurements and programmable.			
10.	Calibration: Multi-Point Push-Button Calibration (up to 5 points for pH/Conductivity) for unprecedented full-range accuracy Should have auto-Buffer Recognition during calibration			
11.	Power supply: Should be able to work with supply voltage of 230v, 50hz			
12.	Temperature: Should have automatic Temperature Compensation			
13.	Adaptor: Should be supplied with a universal power adaptor.			
14.	Stability indicator: Should have stability indicator prompts whenever reading stabilizes			
15.	Probes: Should have provision for easy Interchangeability of probes that can be replaced			
16.	Traceable standard: Should be provided with NIST traceable pH Buffer Standards ensures flexibility in calibration.			
17.	Approval : Should be CE & EN Certified/Marked			
18.	Data: Should have provision to transfer data through USB and RS 232 interface			
19.	Consumables and accessories: Should be provide with necessary consumables and spares for continuous running for 2 year.			

20.	Documentation: Supplier should be capable to provide IQ/OQ/PO documents as per GMP/GLP		
21.	Consumables and spares: Should be provide with necessary consumables and spares for continuous running for one year.		
22.	Warranty: Minimum 05 years comprehensive onsite warranty from the date of installation and commissioning.		
23.	Training of personnel: Basic training for a period of not less than two weeks after installation & commissioning of the equipment to technical personnel and further for method development whenever required, free of cost. Trouble shooting training as and when required free of cost. Demonstration and preliminary training on operation and maintenance of the equipment at our site at the time of installation, free of cost.		
11.	**Digital Electronic balance dual range -precision)**		
1.	Readability of 0.00001 g. (0.01 mg).		
2.	Range: 0.1 mg-220 gm		
3.	Compact design with sturdy chemical resistant body.		
4.	Weighing pan 0 at least 90 mm or equivalent.		
5.	Calibration of a frequently used weighing range using external weights.		
6.	Digital panel with back lit display.		
7.	Overload protection feature.		
8.	Calibration certificate with FI / E2 class calibration weights traceable to NPL should be provided with the balance.		
9.	The supplier should have the capability to provide calibration of the balance once in six months with NPL certified weights during warranty period. Full details of this service should be provided.		
10.	One spare power adapter should be provided		
11.	Full operation manual should be provided.		
12.	User list for the quoted model in India with full contact information should be provided.		
13.	Full warranty information should be provided.		
14.	A compliance statement with each point in the specification should compulsorily accompany the quotation, without which the quotation will be considered incomplete.		
15.	Internal adjustment weight for precise result.		
16.	Capability of displaying weighing result in different units.		
17.	Features like Taring and % weighing feature should be available.		

18.	Repeatability at least 0.03 mg.		
19.	High grade, chemical resistant housing.		
20.	Back lit display.		
21.	Standard RS232c interface to connect to external PC.		
22.	Hook for weighing below the balance.		
23.	Glass draft shield with sliding doors, with free access from right, left and above		
24.	Warranty: Comprehensive onsite warranty including instrument parts and labour for 05 years including magnetron and all associated accessories. The date of warranty period will start after successful completion of IQ/OQ/PQ of the system. Any part of the balance and its any accessories goes out of order during the warranty period, the same may repaired or replaced immediately within 24 hours and make the system functioning.		
25.	The supplier should quote all essential spares and consumable kit and peripherals, which are not covered under comprehensive warranty for basic instrument and in the opinion of the bidder, is essential for ensuring trouble free performance for the quoted system and supporting units for three years.		
26.	Delivery: The instrument supplied to the site of address provided. If any permit such as road permit/way bill, customs/excise duty, octroi or any taxes should be borne by the supplier. If any documents required for the above purpose, the office may consider to provide on request prior intimation.		
12.	**Digital Electronic balance – Pan**		
1.	Readability and repeatability is 0.01g		
2.	Range: 2g-1500g		
3.	Compact design with sturdy chemical resistant body.		
4.	Calibration of a frequently used weighing range using external weights.		
5.	Digital panel with back lit display.		
6.	Overload protection feature.		
7.	Calibration certificate with FI / E2 class calibration weights traceable to NPL should be provided with the balance.		
8.	The supplier should have the capability to provide calibration of the balance once in six months with NPL certified weights during warranty period. Full details of this service should be provided.		
9.	One spare power adapter should be provided		
10.	Full operation manual should be provided.		

11.	User list for the quoted model in India with full contact information should be provided.		
12.	A compliance statement with each point in the specification should compulsorily accompany the quotation, without which the quotation will be considered incomplete.		
13.	Internal adjustment weight for precise result.		
14.	Capability of displaying weighing result in different units.		
15.	Features like Taring and % weighing feature should be available.		
16.	High grade, chemical resistant housing.		
17.	Back lit display.		
18.	Standard RS232c interface to connect to external PC.		
19.	Hook for weighing below the balance.		
20.	Warranty: Comprehensive onsite warranty including instrument parts and labour for 05 years including magnetron and all associated accessories. The date of warranty period will start after successful completion of IQ/OQ/PQ of the system. Any part of the balance and its any accessories goes out of order during the warranty period, the same may repaired or replaced immediately within 24 hours and make the system functioning.		
21.	The supplier should quote all essential spares and consumable kit and peripherals, which are not covered under comprehensive warranty for basic instrument and in the opinion of the bidder, is essential for ensuring trouble free performance for the quoted system and supporting units for three years.		
22.	Delivery: The instrument supplied to the site of address provided. If any permit such as road permit/way bill, customs/excise duty, octroi or any taxes should be borne by the supplier. If any documents required for the above purpose, the office may consider to provide on request prior intimation.		
13.	**Automated Liquid dispensing unit with pump**		
1.	**General:** Automated liquid dispensing unit is a programmable tool for serial & fast dispensing of culture media, agar or any liquid diluent used for microbiological analysis		
2.	Automated Media dispensing unit with Flow rate up to 1,25L/min or better with digital display (LED/LCD)		
3.	Precision 9 mL: 1.8 % - 18 mL: 1 % - 225 mL: 0.5% or better		
4.	Dispenses liquid from 50 µL to 99 L		
5.	Contamination free: entire dispensing assembly shall be autoclavable		
6.	In compliance with ISO 6887-1 and ISO 7218 standards		
7.	**Distribution modes** – Continuous, Single Dose (Predetermined volume) & Multi-dose		

8.	**Shall be user friendly & ergonomic**		
9.	Power consumption - 100-240 V 50-60 Hz		
10.	Dispensing system with the handy unit and electronic start button		
11.	Traceability option preferable		
12.	Provision for Auto calibration		
13.	Warranty: Minimum 05 years comprehensive onsite warranty with one Preventive maintenance from the date of installation and commissioning.		
14.	**Pulsating Multi Tube Vortex Shaker**		
1.	Type of material used for body: Non corrosive Heavy Duty Vortex Mixer		
2.	Speed (rpm): 300 to 2500rpm or better (for 50ml & 15ml Polypropylene round bottom tubes)		
3.	Accuracy (rpm): ±30 rpm or below.		
4.	Tube adaptors / Racks / Holders for Mixer: Tube rack : 15 (or more) x 50ml vertically positioned cc Polypropylene centrifuge tubes (minimum 2 pieces) and Tube rack : 45 (or more) x 15ml vertically positioned cc Polypropylene centrifuge tubes (minimum 2 pieces) and Tube rack : 9 (or more) x 50ml horizontally positioned cc Polypropylene centrifuge tubes (minimum 1 piece)		
5.	Display: LED/LCD Speed Control Programing (rpm)		
6.	Control: Digitally Variable Speed, Programmable time and speed		
7.	Timer Mode: 30 seconds to 59 mins		
8.	Orbit: 3.6mm(0.14”) or better		
9.	Weight: 13 kg or above		
10.	Platform Dimensions: 12x7 in. / 30x17.8cm or suitable to hold the above tube racks		
11.	Exterior Dimension: 38.5 x 23.5 x 42 cm (w x d x h) or suitable to hold the above tube racks		
12.	Warranty:Minimum 05 years comprehensive onsite warranty from the date of installation and commissioning every year.		

15.	**Homogenizer**		
1.	General: • Homogenizer must be suitable for homogenizing of a variety of high moisture, high-fat, wet and dry food products like meat, fish, fruit, vegetables, cereals, spices, frozen products etc. • The homogenizer allows frozen food samples to be homogenized in a short period of time, providing uniform particle size/fineness. • A reproducible degree of homogenization is achieved by the mixing action obtained by the angled knives. • Homogenization is accomplished through the high speed combined with a powerful cutting action. • Easy to clean		
2.	Size: Compact and Table top homogenizer		
3.	Motor: At least 1000KW or better, single phase motor		
4.	Sample capacity/size: 0.2 – 1.5 Kg		
5.	Bowl/grinding container: • It should have 4 liter or better • Should have provision to reduce the size of grinding chamber volume • Should provide 2 numbers stainless steel container and 2 numbers Polypropylene (PP) container		
6.	LED/Digital Display: Should have digital display for speed and timer and provision to store settings or methods		
7.	Speed: Adjustable speed up to 4000 rpm or better		
8.	Timer: • Adjustable timer up to 3 minutes or better • Should have provision for adjustable interval time and interval operation		
9.	Blade: • Made up of Stainless steel and Heavy metal free steel. • Additionally should provide 2 stainless steel blades and 2 heavy metal free steel blades		

10.	Accessories: • One number Grinding container, plastic (transparent and scratch-resistant), incl. knife holder • One number Grinding container, stainless steel, incl. knife holder • Grinding chamber volume reduction lid (stainless steel and Polypropylene) one number each • Scraper 4 Numbers, gaskets for lids – 10 numbers.		
11.	Power supply: 230V/50Hz, single phase with inbuilt/ external protection for high/low voltage		
12.	Safety: • A magnetic/electromechanical safety switch/mechanism should be available from being operated without the cover/lid in the locked position. • Comply with safety standards (e.g. DIN EN ISO 12100, DIN EN 12852)		
13.	Documentation: Should provide IQ/OQ/PQ documents as per GMP/GLP along with operator manual		
14.	Warranty: Minimum 05 years comprehensive onsite warranty from the date of installation and commissioning.		
15.	Training of personnel: • Demonstration and preliminary training on operation and maintenance of the equipment at our site at the time of installation, free of cost. • Basic training for a period of not less than one week after installation & commissioning of the equipment to technical personnel and further whenever required, free of cost. Trouble shooting training as and when required free of cost.		
16.	Delivery: The instrument supplied to the site of address provided. If any permit such as road permit/way bill, customs/excise duty, or any taxes should be borne by the supplier. If any documents required for the above purpose, the office may consider to provide on request prior intimation.		
16.	**High Speed Laboratory Blenders & Grinders**		

1. Versatile high speed blenders for general laboratory work. 2. RPM should not be less then 20,000rpm or better 3. Speeds should be adjusted from 0 to 20,000rpm (free spin) and pre-adjusted to allow for accurate reproductions and three speed electronic controller. 4. Cutter blade should be stainless steel or better 5. Motor capacity should be minimum 2HP or better. 6. Motor housing should be chrome and green epoxy for easy cleaning. 7. Should be Supply with capacity 2-3L or 500gm solid containers (02 nos) can be grind/homogenize with two-piece vinyl and styrene lids. 8. Units should be available with or without 3 minute mechanical timers 9. Designed should be for shredding, mixing, stirring, blending, or homogenizing. 10. Features should be stainless steel blades and self lubrication bearings. 11. Electrical requirements should be For 120V, 60Hz, 3A 12. Should be Non slip base and easy to clean. 13. Comprehensive Warranty should be for minimum 05 year.		
17. Mobile Phase filtration assembly with vacuum		
1. Mobile phase and solvent filtration assembly to use in LC-MS/MS, UPLC instrument to reduce instrument down time, prolongs the life of the analytical columns and instrument response etc. 2. Should be 100% Bolosilicate glass with fritted glass filter base and Base design has integral vacuum connection . 3. Should be Anodized Aluminum spring clamp. 4. Should be filter size- 47 mm 5. Should be minimum Funnel volume is 300 mL and Flask capacity 1L or better 6. Should be glass support, NS 40/35 joints. 7. Should be Filtration base with silicon stopper. 8. Accessories should be Funnel top, funnel stem/membrane support, aluminum clamp, stopper and filtration flask. 9. Should by 0.5 HP motor for vacuum generation. **10.** Comprehensive Warranty should be of 05 years.		
18. Refrigerator		

1. Refrigerator of capacity 500 Ltr to 550 Ltr, 2. Frost Free Double Door: Auto defrost to stop ice – build up 3. Double Door, Energy Saving Compressor. 4. Star rating 3-5 with temperature controller. 5. Super Chill, Capable of running without stabilizer. 6. It should have smart inverter compressor and refrigerant should be R- 600A or equivalent. 7. Inverter Compressor: Energy efficient, less noise & more durable 8. The refrigerator should have preferably locking arrangement. 9. Material used for shelves-Toughened glass/Tempered glass/wire shelves. 10. Inside Self should be adjustable 11. Warranty: Minimum 05 years comprehensive onsite warranty from the date of installation and commissioning. **12.** Also include in the box user manual, warranty card		
19. Water Purification System		
Integrated table top Water Purification System(Tap Water Feed) should be capable to produce both Pure Water [Type-2] and Ultrapure water [Type 1] in a single system with the help of pretreatment module, RO Module, EDI Module, Storage tank, UV Oxidation Chamber, Polishing module and final membrane filter 0.22um. The system should contain inbuilt TOC Monitor with following features and specifications: **I Stage - Pretreatment System should consists:** • 5 micron,1 micron and Activated Carbon wrapped type depth filter • Pressure gauge with regulator • Provision for pumping PDW • 50L external suitable PP tank (resistant to microbial growth) should be supplied with provision for connecting to Type1 and Type-2 water when feed water is not available from tap. **II Stage –Reverse Osmosis with Electro Deionization Stage:** • Pretreatment Module with activated carbon / Prefilter combination to protect the RO Membranes • RO Module with high performance thin film composite membrane with salt retention rate up to 98%.The retention rate for dissolved organic compounds, particles & colloids & bacteria exceeds 99% • Electro-deionization module with resin chambers in a single bed configuration. The resin should be low power consumption & continually regenerated without use of any chemicals. • Conductivity measurement should be done after RO Membrane, EDI and Polishing module so as to monitor the performance of individual cartridges.		

III Stage –Storage Tank:

- 50 L Storage Tank with UV Lamp, Air filter, CO_2 Trap & Level Sensor.
- The tank should made of pure water resistant Poly Ethylene material with an outlet to drain the tank totally and a pressure sensor for the tank level control.
- The storage tank should be 100% drainable.

IV Stage:

- Online UV oxidation chamber: UV Light Energy at 185 nm& 254 nm wavelengths.
- TOC Measurement: Online continuous TOC measurement with Live Display.
- Sterile Filter with 0.22µm or betterwith Autoclavable option for re-use

õ System should meet reagent water quality standards including ASTM Type 1, CLSI and ISO 3696 TypeI

õ System should have flexible remote dispenser to dispense water whenever needed

õ System should have built-in automatic self-cleaning mechanism to extend the life of cartridge

õ System should have the special features such as volume control dispensing, a 24 hour circulation mode with extreme low sound level <40 dba & integrated RS 232 interface for data recording

õ Automatic flushing and recirculation in standbymode.

õ User can collect RO Quality water from the Storage tank &ultrapure water from flexible dispenser

Pure Water (Type-2) Specification:

- Production Rate : 15 LPH or better
- Conductivity : < 0.2µs/cm or better

The Ultrapure Product Water (Type-1) should of the following specifications:

- Flow Rate : 1.5 L/min orbetter
- Should have conductivity @ 25 Deg C : 0.055 µs/cm orbetter
- Should have resistivity @ 25 Deg C : 18.2 MΩ-cm orbetter
- TOC :< 5 ppb or better
- Bacteria : <1 cfu/ml or better
- Particles >0.1µmb :<1 per mlor better

Should be supplied with all other accessories required to put the system functional IQ, OQ, PQ should be provided free of cost

Power supply: 220V with 50 Hz. All electrical parts should have CE conformity and certification

Warranty: Minimum 05 years Comprehensive onsite warranty from the date of installation and commissioning and three years CMC.

B – Consumables and Chemicals

Sl. No	Items	Please Specify whether the quoted model meets the specification (Yes/No)	Name of the Model and its Specification
Antibiotic Residue Analysis Requirement			
Consumables			
1.	PP-Tubes-15ml		
2.	PP-Tubes-50ml		
3.	Micro Tips-100µl-1000µl		
4.	Micro Tips-5µl-100µl		
5.	Glass Beaker-1000ml		
6.	Glass Beaker-500ml		
7.	Glass Beaker-250ml		
8.	Glass Beaker-100ml		
9.	Pipette Stand		
10.	Tips Box		
11.	Gloves		
12.	Solvent Dispenser		
13.	Reagent Bottle		
14.	Wash bottle		
15.	Vials (GC/LC)		
16.	Test tubes		
17.	Dropper Syringe		
18.	PP-Tube Rack		
19.	Eppendorf tube		
20.	Vial Tray		

21.	Storage Plastic bags		
22.	Syringe Filter (0.45 micron)		
23.	PP tube 2ml(centrifuge) –		
24.	HLB Cartigae 60mg,200mg		
1.	Methanol – 2.5 lit		
2.	Acetonitrile – 2.5 lit		
3.	Ethyl Acetate - 2.5 lit		
4.	Hexane – 1 lit		
5.	CCl4 - 1 lit		
6.	Water-milli-Q – 1 lit		
7.	Ammonium Formate – 500mg		
8.	Ammonium Acettate - 500mg		
9.	Formic acid – 500ml		
10.	2-Nitro Benzaldehyde - 500mg		
11.	Tri Sodium Phosphate - 500mg		
12.	Sodium Hydroxide - 500mg		
13.	Hydrochloric acid -500ml		
14.	Iso propanol - 500mg		
Mycotoxins Analysis Requirement			
Consumables			
1.	Syringe Filter (0.45 mu)		
2.	Syringe (5 ml)		
3.	Pipette Stand		
4.	Tips Box		
5.	Wash bottle		
6.	Vials-Amber colour (GC/LC)		

7.	Filter Paper-Fluted		
8.	Filter Paper- Glass Micro fibre		
9.	Immuno affinity columns		
10.	PP-Tubes-50ml		
11.	PP-Tubes-15ml		
12.	Funnels		
13.	Glass Beaker-1000ml		
14.	Glass Beaker-500ml		
15.	Glass Beaker-250ml		
16.	Glass Beaker-100ml		
17.	Volumetric Flask		
1.	Methanol – 2.5 lit		
2.	Water-milli-Q – 1 lit		
3.	Sodium Chloride-AR- 500mg		
4.	Acetonitrile – 2.5 lit		
Pesticides Residue Analysis Requirement			
Consumables			
1.	PP-Tubes-15ml		
2.	PP-Tubes-50ml		
3.	Micro Tips-100µl-1000µl		
4.	Micro Tips-5µl-100µl		
5.	Glass Beaker-1000ml		
6.	Glass Beaker-500ml		
7.	Glass Beaker-250ml		
8.	Glass Beaker-100ml		
9.	Pipette Stand		

10.	Tips Box		
11.	Gloves		
12.	Bottle Dispenser		
13.	Reagent Bottle		
14.	Wash bottle		
15.	Vials		
16.	Test tubes		
17.	Dropper Syringe		
18.	PP-Tube Rack		
19.	Eppendorf tube		
20.	Vial Tray		
21.	Storage Plastic bags		
Chemicals (AR /HPLC Grade)			
1.	Ethyl Acetate - 2.5 lit		
2.	Hexane – 1 lit		
3.	CCl4 - 1 lit		
4.	MgSo4 – 500 mg		
5.	C18 – 100 g		
6.	Carbon Black -25 g		
7.	PSA - 100 g		
8.	Sodium Chloride -500 mg		

C – Other Accessories/Work Requirements

Sl. No	**Items**	Please Specify whether the quoted model meets the specification (Yes/No)	Name of the Model and its Specification

1.	Online UPS (20 KVA) with 02 hrs backup		
2.	Argon cylinder with Gas (UHP grade) with SS regulator		
3.	Nitrogen cylinder with Gas (UHP grade) with SS regulator		
4.	Helium cylinder with Gas (UHP grade) with SS regulator		
5.	Gas purification Panel for Argon, Nitrogen, Helium with control valve and pressure display.		
6.	Gas pipe line fittings approx minimum 100 meters.		
7.	PC, Printer for the UPLC/QDa/PDA.FLR		
	❖ Branded PC with latest processor (I series) ❖ 8 GB minimum RAM or better ❖ 2 TB Hard Disc or better ❖ DVD RW drive ❖ 32" LED Monitor ❖ Laser printer with automatic duplex printing option ❖ Operating system compatible with instrument software		

Note : List of Installations of the quoted Model or a comparable model of equivalent sensitivity preferably in food analysis sector in India (Attach Performance certificate from the organizations where the quoted model or a comparable model of equivalent sensitivity has already been installed)

PART V- EVALUATION CRITERIA & PRICE BID ISSUE

2. **Price Bid Format :** The Price Bid Format is given below and Bidders are required to fill this up correctly with full details, as required under Part-II of RFP :-

(a) Basic cost of the item/items:

Cost Details

Sl.No	Specifications	Qty	Cost in INR
A- Instruments			
1.	Nitrogen Generator for sample concentration	01	
2.	Refrigerated Centrifuge	01	
3.	Nitrogen evaporator (Bench-top Turbo Evaporator)	02	
4.	Deep Freezer(-20 deg C)	01	
5.	Micropipettes-Electronic	03	
6.	Micropipettes-Mechanical	03	
7.	Orbital Shaking Incubator	01	
8.	Ultrasonicator	01	
9.	Solid Phase Extraction System (SPE) with Vacuum Pump	01	
10.	pH and Conductivity Meter (dual)	01	
11.	Digital Electronic balance dual range -precision)	01	
12.	Digital Electronic balance – Pan	01	
13.	Automated Liquid dispensing unit with pump	02	
14.	Pulsating Multi Tube Vortex Shaker	02	
15.	Homogenizer	01	
16.	High Speed Laboratory Blenders & Grinders	02	
17.	Mobile Phase filtration assembly with vacuum	01	
18.	Refrigerator	01	
19.	Water Purification System	01	
	Total of A		

B- Consumables and Chemicals			
Antibiotic Residue Analysis Requirement			
Consumables			
1.	PP-Tubes-15ml	10000 nos, Make- Abdos or reputed brand	
2.	PP-Tubes-50ml	10000 nos, Make- Abdos or reputed brand	
3.	Micro Tips-100µl-1000µl	15 boxes, each boxes of 1000 nos tips, Make- Abdos or reputed brand	
4.	Micro Tips-5µl-100µl	15 boxes, each boxes of 1000 nos tips, Make- Abdos or reputed brand	
5.	Glass Beaker-1000ml	05 nos, Borosilicate	
6.	Glass Beaker-500ml	05 nos, Borosilicate	
7.	Glass Beaker-250ml	10 nos, Borosilicate	
8.	Glass Beaker-100ml	10 nos, Borosilicate	
9.	Pipette Stand	10 nos, Abdos or reputed brand	
10.	Tips Box	10 nos for 100 ul tips and 05 nos for 1000ul tips, Abdos or reputed brand	
11.	Gloves	Blue Nitrile gloves, 30 boxes, each boxes minimum 100nos	
12.	Solvent Dispenser	05 nos for solvents	
13.	Reagent Bottle	20 bottles, 500 ml capacity	

14.	Wash bottle	10 nos	
15.	Vials (GC/LC)	10000 nos, amber color & 5000 nos, amber colorless with cap	
16.	Test tubes	10000 nos, 15 ml borosil glass	
17.	Dropper Syringe	15 boxes, each boxes contains 100 nos), Abdos or reputed brand	
18.	PP-Tube Rack	15 nos for 50 ml and 10 nos for 15 ml tubes), Abdos or reputed brand	
19.	Eppendorf tube	10000 nos), Make - Epperndrof	
20.	Vial Tray	15 nos, each tray minimum contains 120 vials	
21.	Storage Plastic bags	2000 nos, zip lock transparent plastic bag of 500 gm capacity	
22.	Syringe Filter (0.45 micron)	2000 nos, 0.45um, Nylon-6,6 width-25mm	
23.	PP tube 2ml(centrifuge) –	10000 nos, Abdos or reputed brand	
24.	HLB Cartigae 60mg,200mg	10000 nos, Waters make or reputed brand	
Chemicals (AR/HPLC/MS Grade)			
1.	Methanol – 2.5 lit	20 bottle (HPLC grade)	
2.	Acetonitrile – 2.5 lit	25 bottle (HPLC grade)	
3.	Ethyl Acetate - 2.5 lit	25 bottle (HPLC grade)	

4.	Hexane – 1 lit	5 bottle (HPLC grade)	
5.	CCl4 - 1 lit	5 bottle (HPLC grade)	
6.	Water-milli-Q – 1 lit	20 bottle (HPLC grade)	
7.	Ammonium Formate – 500mg	2 bottle (AR grade)	
8.	Ammonium Acettate - 500mg	2 bottle (AR grade)	
9.	Formic acid – 500ml	2 bottle (AR grade, 98% purity)	
10.	2-Nitro Benzaldehyde - 500mg	2 bottle (AR grade)	
11.	Tri Sodium Phosphate - 500mg	2 bottle (AR grade)	
12.	Sodium Hydroxide - 500mg	2 bottle (AR grade)	
13.	Hydrochloric acid -500ml	2 bottle (AR grade)	
14.	Iso propanol - 500mg	2 bottle (AR grade)	
Mycotoxins Analysis Requirement			
Consumables			
1.	Syringe Filter (0.45 mu)	2000 nos, 0.45um, Nylon-6,6 width-25mm	
2.	Syringe (5 ml)	10000 nos, 5 ml dospovan, without niddle	
3.	Pipette Stand	10 nos, Abdos or reputed brand	
4.	Tips Box	10 nos for 100 ul tips and 05 nos for 1000ul tips, Abdos or reputed brand	
5.	Wash bottle	10 nos	

6.	Vials-Amber colour (GC/LC)	10000 nos, amber color & 5000 nos, amber colorless with cap	
7.	Filter Paper-Fluted	10 boxes, each boxes contains 100nos	
8.	Filter Paper- Glass Micro fibre	10 boxes, each boxes contains 100nos	
9.	Immuno affinity columns	20 boxes, each boxes contains 50nos, 1ml	
10.	PP-Tubes-50ml	10000 nos, Make- Abdos or reputed brand	
11.	PP-Tubes-15ml	10000 nos, Make- Abdos or reputed brand	
12.	Funnels	20 nos, small size, glass	
13.	Glass Beaker-1000ml	05 nos, Borosilicate	
14.	Glass Beaker-500ml	05 nos, Borosilicate	
15.	Glass Beaker-250ml	10 nos, Borosilicate	
16.	Glass Beaker-100ml	10 nos, Borosilicate	
17.	Volumetric Flask	1000ml – (5nos), borosil glass 500ml – (5nos), borosil glass 250ml - (10nos), borosil glass 100ml - (25nos), borosil glass 10ml – (50nos), borosil glass	

Chemicals (HPLC/MS Grade)			
1.	Methanol – 2.5 lit	20 bottle (HPLC grade)	
2.	Water-milli-Q – 1 lit	20 bottle (HPLC grade)	
3.	Sodium Chloride-AR- 500mg	2 boxes (AR grade)	
4.	Acetonitrile – 2.5 lit	25 bottle (HPLC grade)	
Pesticides Residue Analysis Requirement			
Consumables			
1.	PP-Tubes-15ml	10000 nos, Make- Abdos or reputed brand	
2.	PP-Tubes-50ml	10000 nos, Make- Abdos or reputed brand	
3.	Micro Tips-100µl-1000µl	15 boxes, each boxes of 1000 nos tips, Make- Abdos or reputed brand	
4.	Micro Tips-5µl-100µl	15 boxes, each boxes of 1000 nos tips, Make- Abdos or reputed brand	
5.	Glass Beaker-1000ml	05 nos, Borosilicate	
6.	Glass Beaker-500ml	05 nos, Borosilicate	
7.	Glass Beaker-250ml	10 nos, Borosilicate	
8.	Glass Beaker-100ml	10 nos, Borosilicate	
9.	Pipette Stand	10 nos, Abdos or reputed brand	
10.	Tips Box	10 nos for 100 ul tips and 05 nos for 1000ul tips, Abdos or reputed brand	

11.	Gloves	Blue Nitrile gloves, 30 boxes, each boxes minimum 100nos	
12.	Bottle Dispenser	10 nos	
13.	Reagent Bottle	20 bottles, 500 ml capacity	
14.	Wash bottle	10 nos	
15.	Vials	10000 nos, amber color & 5000 nos, amber colorless with cap	
16.	Test tubes	10000 nos, 15 ml borosil glass	
17.	Dropper Syringe	15 boxes, each boxes contains 100 nos), Abdos or reputed brand	
18.	PP-Tube Rack	15 nos for 50 ml and 10 nos for 15 ml tubes), Abdos or reputed brand	
19.	Eppendorf tube	10000 nos), Make - Epperndrof	
20.	Vial Tray	15 nos, each tray minimum contains 120 vials	
21.	Storage Plastic bags	2000 nos, zip lock transparent plastic bag of 500 gm capacity	
Chemicals (AR/HPLC Grade)			
1.	Ethyl Acetate - 2.5 lit	25 bottle (HPLC grade)	
2.	Hexane – 1 lit	5 bottle (HPLC grade)	
3.	CCl4 - 1 lit	5 bottle (HPLC grade)	
4.	MgSo4 – 500 mg	5 boxes	

5.	C18 – 100 g	10 nos	
6.	Carbon Black -25 g	10 nos	
7.	PSA - 100 g	10 nos	
8.	Sodium Chloride -500 mg	2 boxes (AR grade)	
	Total of B		
C- Other Accessories/Work Requirements			
1.	Online UPS (20 KVA) with 02 hrs backup	03 Nos	
2.	Argon cylinder with Gas (UHP grade) with SS regulator	02 Nos	
3.	Nitrogen cylinder with Gas (UHP grade) with SS regulator	02 Nos	
4.	Helium cylinder with Gas (UHP grade) with SS regulator	02 Nos	
5.	Gas purification Panel for Argon, Nitrogen, Helium with control valve and pressure display.	Dual mode system	
6.	Gas pipe line fittings approx minimum 100 meters.	Compatible	
7.	Branded PC, Printer for the UPLC/QDa/PDA.FLR	01 nos	
	❖ Branded PC with latest processor (I series) ❖ 8 GB minimum RAM or better ❖ 2 TB Hard Disc or better ❖ DVD RW drive ❖ 32″ LED Monitor ❖ Laser printer with automatic duplex printing option ❖ Operating system compatible with instrument software		
	Total of C		
	Grand Total (A+B+C)		

Note1:

(a) The financial bid has to be filled necessarily in the format given above and has to be signed by the authorized representative of the bidder with full name designation and seal on each page. **The price of each item has to be quoted separately**. The above quote should include Clearing and Transportation charges.

(b) Price quoted should be valid for minimum 06 months from the last date of submission of the bids.

(c) Explanatory notes, if so desired, can be separately submitted along with the financial bid but financial bid in the above format is required to be submitted.

(d) Equipment delivery time will be **45 days for domestic items and 60 days for imported items** from the date of issue of Supply order.

(e) Please indicate separately any duties, taxes.

(f) All above items shall be procured from reputed brand/make only.

Note 2 : The rate may be quoted in foreign currency and/or in Indian currency, however, for comparison/evaluation purpose the bills selling market rate of exchange established by RBI for similar transaction as on date of opening of price bid shall be used to convert foreign currencies to the Indian rupees.

Note 3 : Determination of L-1 will be done based on Net amount (not including levies, taxes and duties levied by Central/State/Local governments such as excise duty, GST, Octroi/entry tax, etc. on final product) of all items/requirements as mentioned above.

Signature of tenderer_____
Name in Block letter _____
Date _____

Capacity in which Signed_____

Sd/-
(Nilesh Kumar Ojha)
Assistant Director(QA)