

Dated, the 31st January, 2021

CORRIGENDUM

The Competent Authority has extended the deadline for submission of bids in r/o RFP for "Setting up Microbiology Section and Installation of Equipment" issued vide Tender ID **2022_FSSAI_667328_1 dated 07th January, 2022**, through CPP Portal, **upto 07th February, 2022 (1500 hrs)**. Some changes in the specifications of the equipment have also been incorporated as per details given herein which will form part of the RFP:-

07. Lab Blender/Homogenizer

S. No.	Specifications	Requirement	Please Specify whether the quoted model/items meets the specification (Yes/No)	Specify Make and Model
1.	Application	A powerful compact and ergonomic lab blender adapted for optimal homogenization and bacterial extraction without cross contamination		
2.	Unit	<ul style="list-style-type: none"> • Should have chamber of stainless steel with an opening door • Should have multi-function digital display Provision of adjustable blending power with on screen indicator. • Should have provision of removable paddles for <u>cleaning and autoclaving</u> • Should have facility for side by side paddle stop. • Provision of fully opening door facility for easy cleaning. 		
3.	Disposable bag size	Appropriate to the model & capacity quoted		
4.	Capacity	50-400 ml		
5.	Temperature	Ambient operating temperature 10-35°C.		
6.	Humidity range	Operating relative humidity range should be 10-89%		

7.	Adjustable timer settings	1sec-60 mins.
8.	Paddle speed	Variable speed (4-10 strokes /sec or better
9.	Sensor	To ensures immediate stop of blending in the event of a leakage
10.	Accessories	Bags (1000 numbers), Bag clips (50 numbers) Bag storage rack/stand (2 numbers) Bag sealer
11.	Operation and training component	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction
12.	Certificates Performance and safety standards (specific to the device type); Local and/or international	<ul style="list-style-type: none"> • Should be compliant with the requirements of FDA/CE/BIS • Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard)/ Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety
10.	Warranty	Warranted for 03 years after satisfactory installation and working excluding consumable parts and accessories.
11.	Service contract clauses, including prices	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached;
12.	Operating manuals, service manuals, other manuals	Should provide 2 sets (hardcopy and soft-copy) of: - <ul style="list-style-type: none"> • User, technical and maintenance manuals to be supplied in English language along with machine diagrams; • List of equipment and procedures required for local calibration and routine maintenance; • Service and operation manuals

		(original and copy) to be provided; <ul style="list-style-type: none"> • Advanced maintenance tasks documentation; • Certificate of calibration and inspection 		
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09. Analytical Balance

S.No.	Specifications	Requirement	Please specify whether the quoted model/items meets the specification (Yes/No)	Specify Make and Model
1.	Application	Required to measure mass to a high degree of precision with a weighing capacity up to 220 g and a readability of 0.1 mg and protected by a draft shield or an enclosure.		
2.	Operational Requirements	It should have <ul style="list-style-type: none"> • Microprocessor based single pan top loading analytical balance with high accuracy and precision. • Digital display • Balance to be provided with transparent case. • Weighing with automatic and manual start and provision for data interface. 		
3.	Technical Specifications	<ul style="list-style-type: none"> • Weigh accurately up to 3rd decimal place. • Fully automatic time and temperature controlled internal calibration and balance should be capable to adjust itself Auto zero setting. • Weighing capacity up to 220g • Readability 0.1 mg, Repeatability 1 mg or less. 		

4.	Balance should have	<ul style="list-style-type: none"> • Fast dismantling chamber for easy cleanup 		
5.	Environmental factors	<ul style="list-style-type: none"> • Safety for electromagnetic compatibility. • The unit shall be capable of operating in ambient temperature of 20-30°C and relative humidity of 80%. 		
6.	Accessories	<ul style="list-style-type: none"> • All necessary accessories should be provided with unit. 		
7.	Calibration certificate	Certificate from a ISO 17025 accredited lab for 3 different weights.		
8.	Operation and training component	<ul style="list-style-type: none"> • The Manufacturer/ Supplier will have to carry out successful Installation at the laboratory premises (wherever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction 		
9.	Certificates Performance and safety standards (specific to the device type); Local and/or international	<ul style="list-style-type: none"> • Should be FDA/CE/BIS approved product. • Electrical safety conforms to the standards for electrical safety IEC 60601-General requirements (or equivalent BIS Standard)/Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety 		
10	Supplier/ Manufacturer	<ul style="list-style-type: none"> • Must be ISO certified for quality 		

11	Service Support Contact details (Hierarchy Wise; including a toll free/landline number)	<ul style="list-style-type: none"> • Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/adhoc) to be declared by the manufacturer; 		
12	Recommendations or warnings	<ul style="list-style-type: none"> • Any warning signs would be adequately displayed 		
13	Warranty	<ul style="list-style-type: none"> • Warranted for 03 years after satisfactory installation and working excluding consumable parts and accessories. 		
14	Service contract clauses, including prices	<ul style="list-style-type: none"> • List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached; 		
15	Operating manuals, service manuals, other manuals	<p>Should provide 2 sets (hardcopy and soft-copy) of:-</p> <ul style="list-style-type: none"> • User, technical and maintenance manuals to be supplied in English language along with machine diagrams; • List of equipment and procedures required for local calibration and routine maintenance; • Service and operation manuals (original and copy) to be provided; • Advanced maintenance tasks documentation; • Certificate of calibration and inspection 		

10. UV-VIS Spectrophotometer

S. No.	Specifications	Requirement	Please Specify whether the quoted model/items meets the specification (Yes/No)	Specify Make and Model
1.	Application	UV-Vis The system should be capable to measure all colorimetric based parameters in food and water samples as per FSSAI requirements including Enzyme assays, Kinetic assays and scans		
2.	System	A fully automated PC controlled spectrophotometer with double beam optics with pre-programmed applications using conventional quartz / glass/plastic cuvettes with all the required accessories.		
3.	Operation keys	<ol style="list-style-type: none"> 1. Instrument should operate immediately after switch on with no warming uptime 2. Should be automatically programmed with on-board touch screen & soft keys 3. Capable to store method with analysis:> 100 method programs on the instrument, >1000 results with data, evaluation results and used parameters 		
4.	Optical Design	<ul style="list-style-type: none"> • Double Beam with sample and reference cuvette positions; Czerny-Turner Monochromatic/Holographic grating with sealed optics • Reference Compartment Should accommodate cells up to 10 mm path length as standard feature 		
5.	Light Source	<ul style="list-style-type: none"> • Halogen lamp for Visible range • Deuterium Lamp for UV range or Xenon Flash Lamp • Light source should be 		

		automatically selected as per wave length required.		
6.	Detector	Silicon Photodiode dual detector/PMT		
7.	Scan Ordinate Modes	Absorbance, % Transmittance, % Reflectance		
8.	Resolution	0.1nm or better		
9.	Wavelength Range	190 –1100 nm		
10.	Wavelength Accuracy	± 0.3nm or better for entire range		
11.	Wavelength Repeatability	± 0.1nm or better		
12.	Scanning Speed	Selectable Variable wavelength scan rate 10 nm/min to 2500 nm/min or better		
13.	Spectral Bandwidth	Variable (05/1/2/4 or 5) nm		
14.	Photometric Range	Absorbance = -3.0 to 3.0 Abs or better		
15.	Photometric Accuracy	With Neutral Glass filter @ 546nm : ± 0.003A		
16.	Noise	0.00005 Abs RMS (500nm) or better		
17.	Baseline Stability	< 0.0005 A/hr (500 nm, 1-hour warm-up)		
18.	Baseline flatness	± 0.0005 Abs or better		
19.	Application Software	<p>In built Software with large LCD display should be user friendly & simple for data handling with feature like easy to use report generator, real time display of concentration, time scan, photometric mode, single/multi-wavelength, capability for event recording (e.g., addition of reagents). Should be able to connect a USB keyboard, mouse and printer for operational convenience.</p> <p>Software should have built in or provision to build:</p> <p>a. Methods:</p>		

		<ul style="list-style-type: none"> • Absorbance with one or more wavelengths, • Scans, Nucleic acids, Proteins, OD 600, • Evaluation: via factor, standard and calibration curve • Dual wavelength with subtraction and division evaluation <p>b. Method dependent evaluation:</p> <ul style="list-style-type: none"> • Absorbance, concentration via factor and standard • Concentration via standard series using Linear regression, Nonlinear regression with 2nd and 3rd degree polynomials • Spline analysis, • Linear interpolation (point to point evaluation) • Absorbance allocation via subtraction and division • Ratio 260/280, 260/230, Molar concentration and total yield for nucleic acids. <p>The software should be 21CFR part 11 compliant.</p>		
20.	Accessories and spares	<ul style="list-style-type: none"> • One pair each of 1 and 3 ml quartz cuvettes of 10 mm path length • One pair each of 1 and 3 ml glass cuvettes of 10 mm path length • Cuvette holder • Holmium oxide glass filters for wave length calibration. • NIST traceable Potassium dichromate 		
21.	Computer and printer	Latest configuration factory set branded PC system with 22-23" Full HD Monitor with printer –B/W – duplex- laser-legal, A4- 1200 dpi-up to 21 ppm –capacity with network card		
22.	UPS	Suitable UPS with 60 minutes backup power		

23.	Calibration	Certificate from an ISO 17025 accredited lab spectral calibration.		
24.	Compliance	IQ/OQ/PQ of instrument and Software should be provided along with document		
25.	Operation and training component	<ul style="list-style-type: none"> The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction 		
26.	Certificates Performance and safety standards (specific to the device type); Local and/or international	<ul style="list-style-type: none"> Should be FDA/CE/BIS approved product. Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard)/Certified to be compliant with IEC 61010- 1, IEC 61010-2-40 for safety 		
27.	Supplier/ Manufacturer	<ul style="list-style-type: none"> Must be ISO certified for quality 		
28.	Service Support Contact details (Hierarchy Wise; including a toll free/landline number)	<ul style="list-style-type: none"> Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/adhoc) to be declared by the manufacturer; 		
29.	Recommendations or warnings	<ul style="list-style-type: none"> Any warning signs would be adequately displayed 		
30.	Warranty	<ul style="list-style-type: none"> Warranted for 03 years after satisfactory installation and working excluding consumable parts and accessories. 		
31.	Service contract clauses, including prices	<ul style="list-style-type: none"> List of all spares and accessories (including minor) with part numbers and price, required for maintenance and 		

		repairs in future after guarantee/warranty period should be attached;		
32.	Operating manuals, service manuals, other manuals	Should provide 2 sets (hardcopy and soft-copy) of:- <ul style="list-style-type: none"> • User, technical and maintenance manuals to be supplied in English language along with machine diagrams; • List of equipment and procedures required for local calibration and routine maintenance; • Service and operation manuals (original and copy) to be provided; • Advanced maintenance tasks documentation; • Certificate of calibration and inspection 		

11. Howard Mold Counter

S.No.	Specification	Requirement	Please Specify whether the quoted model/items meets the specification (Yes/No)	Specify Make and Model
1.	Application	It is use in determining mold counts (is used mold fibers and spores) in tomato products and for mold counting in food quality control applications for other fruit based preparations and mold mycelia in butter and cream..		
2.	Counting chamber	Constructed entirely of glass. Centre of glass should contain a 15x20mm rectangle that is flanked by 0.1 mm shoulders on each side to support cover glass. Rectangle and Cover glass should have optically plane surfaces. Facilities for calibration of microscope		

3.	Eyepiece micrometer	Ruled into squares (grid), each of which is equal to 1/6 of the diameter of the eyepiece diaphragm opening		
4.	Cover slips	Thin - 28mm x 33mm x 0.5mm - 2 Nos Thick - 28mm x 33mm x 1.0mm - 2 Nos		
5.	Service contract clauses, including prices	<ul style="list-style-type: none"> List of all spares and accessories (including minor) with part numbers and price, required; 		
6.	Demonstration and training	The supplier will have to carry out successful demonstration at our laboratory premises (wherever the system has to be installed) and provide on – site comprehensive training for scientific personnel operating the system till customer satisfaction with the system.		
7.	Warranty	<ul style="list-style-type: none"> Warranted for 03 years after satisfactory installation and working excluding consumable parts and accessories. 		

2. All other terms and conditions of the RFP will remain the same.


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