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F-80) RMSC/EPM/M-6/NIB-805/23-24/ 646

Date:- 17/10/23

Clarification/Corrigendum/Addendum

Subject:-Revised technical specification and bid submission date of the rate contract For Item “ Food Lab- Analytical Balance(Top Pen),Hot Air Oven(Forced Air Convection Oven), Automatic Protein Analyser, Binocular/Compound Microscope, Frost Free Refrigerator, Automatic Fiber Analyzer” for under NIB No. F-80) RMSC/EPM/M-6/2023-24/NIB-805/447 Date 31.08.2023.

Revised Technical Specification of Food Lab-Analytical Balance (Top Pen), Hot Air Oven (Forced Air Convection Oven), Automatic Protein Analyser, Binocular/Compound Microscope, Frost Free Refrigerator Automatic Fiber Analyzer.

1. Revised Technical Specification of Analytical Balance (Top Pen)			
Application: An analytical balance is used to measure mass to a high degree of precision and accuracy. It is most often found in a laboratory setting and is used for accurate weighing. Balances should be housed in a draft-free location on a vibration free bench. Some modern balances have built-in calibration masses to maintain accuracy.			
Sr. No.	Specification	Requirements	Remarks
1	Design	Top Pan loading	
2	Capacity	0.01gm -1200gm	
3	Weighing pan	(a) Circular/Square Top	
4	Range (weight):	0.01gm -1200gm	
5	Accuracy:	0.01 gm	
6	Readability:	0.01 gm	
7	Linearity:	0.02 gm	
8	Response time:	1.5 sec	
9	Calibration:	automatic/internal and manufacturer provide calibration certificate for different Weights from ISO 17025 (2017)NABL accredited laboratory at the time of supply.	
10	Display	Touch Screen	
11	Stabilization time:	2 Seconds (typically).	
12	Tare facility	Yes	
13	Calibration (internal)	Yes	
14	Operational requirements	Must be provided with calibration certificate by an agency accredited by NABL or with tractable to International Standard at the time of supply.	
15	Environmental factors	Capable of operations by multiple users without disturbing settings Digital display: Backlit display with soft touch screen operation along with accessibility to date and time etc.	
16	Supplier/ manufacturer	Provision of connection with computer.	



17	Service contract clauses, including prices	Capacity of operating in temperature range of 10 deg C to 45 deg C and relative humidity of 80%	
18	Operating manuals, service manuals, other manuals	Should provide	
19	Recommendations or Warnings	Must be ISO certified for quality.	
20	Warranty	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 .	
21	Training	Should provide	
22	List of Spares and Accessories	User, technical and maintenance manuals in English language List of equipment and procedures required for local calibration and routine maintenance.	
23	Battery back-up	• Point Remove	
24	Quality Requirement	• Advanced maintenance tasks documentation, if any.	
26	IQ/PQ/OQ	Any warning Signs would be adequately displayed.	
27	After sales service/ Post warranty	3 years after satisfactory installation and CMC Will be given @5% of net rate excluding GST (as applicable) and yearly escalation of 5% ON LAST year's CMC price. The CMC may be awarded for five year's(on yearly basis) after completion of guarantee period of three year.	
28	Compliance statement	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.	

2.Revised Technical Specification Hot Air Oven (Forced Air Convection Oven)

Application: Hot air ovens are used in the lab to determine the moisture content of food products and for drying glassware

S.No	Specification	Requirements	Remark
1	Size	Inner Volume 200 - 250 L	
2	External Body	Mild Steel with powder coated/ Stainless Steel 304 Grade	
3	Internal Chamber	Stainless Steel 304 Grade	
4	Insulation	Mineral Wool/ Ceramic Wool	
5	Door	<ul style="list-style-type: none"> • Inner: Stainless Steel 304 Grade • Outer: Powder coated Mild Steel/ Stainless Steel 304 Grade • Self-closing magnetic lock having door sealing material suitable to high temp 	
6	Adjustable Shelf	2-3 Perforated Stainless-Steel shelves (Removable) 304 Grade	
7	Shelf Rest Pitch	30 MM	
8	Temperature Range	40 °C to 300 °C	
9	Least Count	01 °C	
10	Temperature accuracy	± 0.5°C or better	
11	Temperature uniformity	± 2°C or better	
12	Heating Element	Nichrome wire	
13	Time to attain Maximum Temperature	Approximately 30 minutes	
14	Control Panel	Door mounted digital LCD display for set temperature, attained temperature, set time, heating ON/OFF	
15	Present Timer	<ul style="list-style-type: none"> • With buzzer • Digital display of time • Least count- 1 minute 	
16	Circulation method	Blower	
17	Power Source	220-240V, Single Phase	
18	Exhaust Port	30mm ID on opposite side walls	



19	Safety Device	<ul style="list-style-type: none">• Self-diagnosis function including overshoot/undershoot of temperature and over current protection• Audio Visual alarm for door opening after 2 minutes	
20	Optional Requirements	<ul style="list-style-type: none">• Dot Matrix Printer interface• Temperature chart recorder• PLC Controller• Audio / visual alarm• Extra shelves• Heating Thermostat• manufacturer calibration certificate for three different temperature points from ISO 17025/NABL accredited laboratory at the time of supply.	
21	Operating manuals, Service manuals, others manuals	<p>Should provide:</p> <ul style="list-style-type: none">• User, technical and maintenance manuals in English language –• List of equipment and procedures required for local calibration and routine maintenance• Service and operation manuals to be provided• Advanced maintenance tasks documentation, if any	
22	Recommendations or Warnings	Any warning signs would be adequately displayed	
23	Warranty	Warranty for 3 years and CMC Will be given @5% of net rate excluding GST (as applicable) and yearly escalation of 5% ON LAST year's CMC price. The CMC may be awarded for five year's(on yearly basis) after completion of guarantee period of three year. of warranty period.	
24	Training	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	
25	List of Spares and Accessories	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	
26	UPS	Suitable on - line UPS (10 KVA) to support the instrument	
27	Quality Requirement	<ul style="list-style-type: none">• Equipment should be FDA / CE/BIS certified.	
28	IQ/PQ/OQ	On site IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument	
29	After sales service/ Post warranty	<p>Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number;</p> <p>Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed.</p> <p>Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail.</p> <p>Should carry out yearly PM with at least one PM kit</p> <p>Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be specified</p>	
30	Compliance statement	The quote should also include a compliance statement vis-a-vis specifications in a "tabular form" clearly stating the compliance and giving	



	justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.	
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3. REVISED AUTOMATIC PROTEIN ANALYSER			
AUTOMATIC PROTEIN ANALYSER Application: Kjeldhal method is used to determine organic nitrogen and protein contents in food samples Automatic Kjeldhal protein analysers are space saving and have distillation and digestion units combined together			
S.No.	Specification	Requirements	Remark
1	Digestion and distillation unit	Should be combined unit with all units from the same manufacturer and consist of 1 Digestion unit 2 Distillation unit 3 Scrubber 4 Digital titrator	
2	Digester	1. Tube holding capacity =8 2. Temperature ambient to 450°C 3. Temperature Stability + 1°C 4. Digestion Time range 1-999 minutes 5. Should have programmable time & temperature ramping and audible alarms	
3	Accessories for digester	1. Exhaust unit, 2. Rack, stand, lid, 3. 20 nos of digestion tubes ≥ 250 ml 4. And all other required accessories for standalone operation of the digester	
4	Scrubber System	1. The material of construction of the scrubber should be of high Scrubber system endurance materials like borosilicate glass or high quality stainless steel 2. Cleaning shall include condensation neutralization, adsorption and redox reactions to maintain efficiency of the equipment 3. Suction should be regulated/adjustable to achieve efficient digestion 4. All supplied reagent containers must be ≥ 2 L. capacity and must be made of high-quality borosilicate glass	
5	Automated Distillation and Separate Digital Burette	1. Should be completely programmable for all controls like cooling water, dilution water, sodium hydroxide, receiver solution, automatic calculation, automatic emptying of tube etc 2. Should have color touch screen LED/CD/VFD display 3. Nitrogen measurement range 0.1-200 mg or more 4. Recovery $\geq 99.5\%$ 5. Should be provided with Digital burette having ≥ 50 ml volume 6. Minimum dispensing volume: 2-3 μ l 7. Reproducibility: $\pm 1\%$ of RSD 8. Automatic waste removal via tube drainage after distillation 9. The system should be able to store the recorded data and must have facility for downloading the same using an USB port or through Wi-Fi or connectivity for LIMS 10. Additionally, it should be possible for transferring weights and retrieving data using suitable software which is compliant to traceability 11. The system should have safety sensors and audible warning systems 12. Should be provided with exchangeable splash head to reduce carry-over effects 13. The system should be provided with suitable password protection to prevent tampering of programmes and data. 14. The system must be compliant to ISO 17025	



		2017 15. The system shall have the possibility to track performance of the system and warns if analysis results changes over time. It is desirable to have component traceability feature in the system for effective maintenance of the system. 16. The instrument shall be delivered with a Verification Test document that certifies that instrument has been performance tested in factory (confirming analysis performance) 17. The systems equivalent, 4 tanks of Suitable Size As Per Requirement along with level sensors for each of them	
6	Spares and Accessories	All Chemicals and reagents for 200 runs.	
7	Reference standard	Cerified Ammonium sulfate (100g)	
8	Operating manuals, service manuals, other manuals	Should provide: • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance • Service and operation manuals to be provided • Advanced maintenance tasks documentation, if any.	
9	Recommendations Or Warnings	Any warning signs would be adequately displayed	
10	Warranty	3 year after satisfactory installation and CMC Will be given @5% of net rate excluding GST (as applicable) and yearly escalation of 5% ON LAST year's CMC price. The CMC may be awarded for five year's(on yearly basis) after completion of guarantee period of three year. of warranty period.	
11	List of all spares and accessories	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	Training	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 scientific personnel operating the system till customer satisfaction	
13	UPS	Suitable on - line UPS (5 KVA) LO support the instrument.	
14	Quality	Should be compliant with the requirements of BIS or equivalent	
15	Requirement	manufacturer provide calibration certificate from ISO 17025 (2017)NABL accredited laboratory at the time of supply.	
16	IQ/PQ/OQ	On site IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument	
17	After sales service/post warranty	Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number: Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail. Should carry out yearly PM with at least one PM kit Comprehensive CMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be specified.	

4. Revised Technical Specification BINOCULAR/COMPOUND MICROSCOPE

Application: A System complete with illumination system is required for proper viewing and enumeration of individual cells, even living ones with high magnification microscope using 2 eye lenses to reduce the eyestrain

S.No.	Specifications	Requirement	Remark
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1	Body	<ul style="list-style-type: none"> • Body-Single mold sturdy stable base stand, inclined Binocular body 30°, 360° rotatable head with focus adjustment controls. • A durable textured acid resistant finish. • All optical parts including objectives, eye pieces and prisms should have anti-reflective coating which also gives anti-fungal property. • All metallic parts should be corrosion-proof, acid proof and stain-proof.
2	Eye piece	<ul style="list-style-type: none"> • -Highest quality 10 X/20mm wide angle anti fungus field eyepiece. One with pointer. Diopter adjustment must be present on both eye pieces, (the image of the object as seen through the binocular eyepiece should be well defined centrally in at least 2/3 field of view) • Achromatic, wide field, 10 x with inbuilt pointer. • The eyepiece should be aplanatic and have a minimum field number of 18 Diopter adjustment must be present on one/ both eye pieces or on the eye piece tube.
3	Optical system	<ul style="list-style-type: none"> • Optical system should be infinity corrected. • Built-in LED light source with white light with intensity control and LED life of more than 10,000 Hrs.
4	Objective	<ul style="list-style-type: none"> • -Parfocal, antifungal coated 4x, 10x, 40x and 100x (oil immersion) with semi planner achromatic correction. • Objective should be well centered even if their position on turret is changed. • 10x; 40x and 100x objectives should have numerical apertures of 0.25 and 0.65 respectively. • 100x should have numerical aperture of 1.25 and should be of oil immersion. • Unbreakable containers to be provided for storing the objectives. • All objectives should be wide field, achromatic and par focal.
5	Nose piece	<ul style="list-style-type: none"> • Backward tilted revolving nose piece suitable to accommodate four objectives with click stop • It should be provided with rubber ribbed grip for easy rotation mounted on a precision ball bearing mechanism for smooth and accurate alignment. Extra ports if any should be fitted with dust& fungal proof metallic/ebonite caps.
6	Focusing:	<ul style="list-style-type: none"> • Coaxial coarse and fine focusing knob, capable of Smooth, fine focusing movement sensitivity; minimum: 300 micron: focusing stop for slide safety.
7	Stage	<ul style="list-style-type: none"> • Stage uniformly horizontal, mechanical stage having dimensions of length 140 mm (+/- 20mm) with fine Vernier graduations (minimum reading accuracy of 0.1 mm). • It should be designed with convenient sub-stage vertical coaxial adjustment for slide manipulation. • The stage should have ball-bearing arrangement to allow Smooth travel in transverse directions i.e. 80 mm (+/- 5mm) and front to back direction, 50mm (+/-



		5mm).	
8	Sub-stage condenser	<ul style="list-style-type: none">Abbe-type condenser with numerical aperture (N.A.) 1.25 focusable with rack and pinion arrangement incorporating a spherical lens and an iris-diaphragm	
9	Sub-stage illuminator	<ul style="list-style-type: none">The system should have a build-in variable light source (Illuminator).This light source should have a 20 W, 6 V Halogen lamps.The system should be provided with a step down transformer and an on-off switch and intensity control. <p>The lamp should be provided with a lamp socket which has the facility for easy replacement of the bulb</p>	
10	Power supply & protection	<ul style="list-style-type: none">Voltage 220 V AC, 50Hz. should have one on-off power switch.A plano-concave mirror in fork mounting should be supplied which would be attachable to the base for field use when power is not available.Should have over-charging cut-off with visual symbol	
11	Battery backup	<ul style="list-style-type: none">Minimum 1 Hour	
12	Operating and storage conditions	<ul style="list-style-type: none">Capable of operating continuously in ambient temperature of 10 to 50 ° C and relative humidity of 15 to 90% in ideal circumstances.Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 °C and relative humidity of 15 to 90%	
13	Manual Accessories	<ul style="list-style-type: none">Working manual should be provided with each microscope.Immersion oil 25 ml x 2lens tissue paper 2 rolls or boxes)Lens cleaning solution (100 ml)One anti-static cleaning brush.The unit shall be capable of being stored continuously in ambient temperature of 0 - 50 deg C and relative humidity of 15-90%.	
14	Digital camera	<ul style="list-style-type: none">5 mega pixel scientific grade (even at dim light) colour CCD camera along with image capture and analysis software and c-mount adapter. Resolution at least 2448 x 1920 effective pixel (4 x 4 binning and 2x2 binning) and 10-bit digitization.Microscope should come along with PC (i5 6200U processor, 6 GB RAM, 1 TB HDD, DVR RW, LED 20"). With UPS (minimum offline backup of 30 minutes).	
15	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	
16	Supplier/ Manufacturer	<ul style="list-style-type: none">Must be ISO certified for quality	
17	IQ/OQ/PQ	<ul style="list-style-type: none">On site IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument.	
18	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;	
19	Operating manuals. service manuals, other manuals	<ul style="list-style-type: none"> Should provide 2 sets(hardcopy and soft-copy) of:- 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. 	
20	Warranty	<ul style="list-style-type: none"> Warranty for 3 years after satisfactory installation CMC Will be given @5% of net rate excluding GST (as applicable) and yearly escalation of 5%ON LAST year's CMC price. The CMC may be awarded for five year's(on yearly basis) after completion of guarantee period of three year. of warranty period. 	
21	Operation and maintenance training	<ul style="list-style-type: none"> The supplier will have to carry out successful installation at our laboratory premises (where ever the system has to be installed) and provide on - site comprehensive training for scientific personnel operating the system and support services till customer satisfaction with the system. 	
22	Compliance statement	<ul style="list-style-type: none"> The quote should also include a compliance statement vis-à- vis specifications in a "tabular form" clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the Company seal, for its authenticity and acceptance that any Incorrect or ambiguous information found submitted will result in disqualification. 	

5. REVISED Technical Specification of Frost Free Refrigerator

Application: It is commonly used equipment at microbiology lab for the purpose of storage of items which required low temperature i.e., between 4°C to 8 °C e.g. food samples, media, chemicals, reagents, cultures.

Sr. No.	Specification	Requirements	Remarks
1	Design	<ul style="list-style-type: none"> Vertical with wheels Frost free, CFC free, Automatic Defrost 4-5 Height adjustable shelves Internal LED Lighting Single Triple-Pane Glass Door with ergonomic handle Key Lock Automatic door closing Fan forced air circulation to ensure stable & uniform preservation environment. 	
2	Controller	<ul style="list-style-type: none"> Microprocessor Temp. Control Controller with 0.1°C resolution Controller to Display data about the unit and used to control temperature Control panel should be at eye level with Digital Temperature display & Alarms 	
3	Construction	Electro-galvanized steel with white, oven baked epoxy- polyester, anti-microbial, powder-coated finish with 304 Stainless Steel inner chamber.	



4	Capacity	300 - 350 L	
5	Temperature	<ul style="list-style-type: none"> • Range: +1° C to +10° C • Uniformity: ±3°C 	
6	Alarm	Open door, High/Low temperature, Clogged condenser filter	
7	Operating manuals, service manuals, other manuals	Should provide: - <ul style="list-style-type: none"> • User, technical and maintenance manuals in English language. • List of equipment and procedures required for local calibration and routine maintenance. • Service and operation manuals to be provided Advanced maintenance tasks documentation.	
8	Recommendations or Warnings	Any warning signs would be adequately displayed.	
9	Warranty	3 years after satisfactory installation CMC Will be given @5% of net rate excluding GST (as applicable) and yearly escalation of 5% ON LAST year's CMC price. The CMC may be awarded for five year's(on yearly basis) after completion of guarantee period of three year. of warranty period.	
11	Training	Training of personnel After supply, training on instrument operation and troubleshooting etc., to be given to all laboratory personnel.	
12	List of Spares and Accessories	Accessories as required for functioning of the equipment	
13	UPS	UPS/Stabilizer as required for functioning of the equipment	
14	Quality Requirement	Should be compliant with the requirements of FDA/CE/BIS.	
15	IQ/PQ/OQ	On site IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument	
16	Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a "tabular form" clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.	

6. Revised Technical Specification AUTOMATIC FIBRE ANALYZER

Application: It is used for analysis of crude fiber content of food through acidic or alkaline hydrolysis. It eliminates chemical and hot water handling and requires less bench space. .

S.No	Specification	Requirement	Remark
1	Features	<ul style="list-style-type: none"> • The system must be closed and microprocessor controlled, capable of performing all operations, extraction, rinsing & filtration of samples for analysis of crude fiber, acid detergent fiber, neutral detergent fiber, etc. • Should have agitate/heat Switch & temperature/timer/clock controller for process parameter input and results readout. • System should be based on either crucibles or filter bag technology 	
2	Analysis' of sample	Should have possibility of analyzing 6 samples at a time	
3	Sample size	0.1 to 4 gm	
4	Measuring range	0.1 to 100%	
5	Reproducibility	± 1 % relative at 5 % - 30 % fibre level	
6	Operating manuals, service manuals, other manuals	Should provide: - <ul style="list-style-type: none"> • User, technical and maintenance manuals in English language • List of equipment and procedures 	



		<p>required for local calibration and routine maintenance</p> <ul style="list-style-type: none"> • Service and operation manuals to be provided advanced maintenance tasks documentation, if any. 	
7	Recommendations or Warnings	Any warning signs would be adequately displayed	
8	Warranty	3 years after satisfactory installation and CMC Will be given @5% of net rate excluding GST (as applicable) and yearly escalation of 5%ON LAST year's CMC price. The CMC may be awarded for five year's(on yearly basis) after completion of guarantee period of three year. of warranty period.	
9	Training	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	
10	Accessories to be supplied	<ul style="list-style-type: none"> • In case of crucible-based system, the following accessories must be essentially Supplied With Equipment. <ol style="list-style-type: none"> a. Cold extractor b. 24 Crucibles of P2 porosity c. Crucible stand for 6 crucibles d. 2 crucible holders e. 2 nos. each of acid tank, alkali tank, NDS tank, ADS tank • In case of filter bag system, the following accessories must be essentially Supplied With Equipment. <ol style="list-style-type: none"> a. Heat sealer for filter bags; marker acetone resident block. b. 12 nos. of glass spacer; drip tray; complete fiber bag incineration module along with .>. nos. of quartz crucible; tubing connection set; automatic alpha amylase dosing unit; and , place sample carousels. • Should be supplied with certified Reference Material Enzymes and all other reagents for 100 analysis.ss 	
11	List of Spares and Accessories	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	UPS	Suitable UPS/Stabilizer as required for functioning of the Equipment	
13	Quality Requirement	manufacturer provide calibration certificate for from ISO 17025 (2017)NABL accredited laboratory at the time of supply.	
14	IQ/PQ/OQ	On site IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument	
15	Outage conditions	After 3 years CMC Will be given @5% of net rate excluding GST (as applicable) and yearly escalation of 5%ON LAST year's CMC price. The CMC may be awarded for five year's(on yearly basis) after completion of	

		<p>guarantee period of three year. of warranty period. This would also include:</p> <ol style="list-style-type: none"> Preventive maintenance service: The seller will provide a minimum of two Preventive Maintenance Service visits during a year to the operating base to carry out functional checkups and minor adjustments/tuning as may be required. Breakdown Maintenance Service: In case of any breakdown of the equipment/system, on receiving a call from the buyer, the seller is to provide maintenance service to make the equipment/system serviceable. Response time: The response time of the seller should not exceed 48 hours from the time the breakdown intimation is provided by the Buyer. Serviceability of 90% per year is to be ensured. This amounts to total maximum downtime of 37 days per year. Also unservice ability should not exceed 2 working days at one time. < Required spares to attain this serviceability may be stored at site by the seller at his own cost. Total down time would be calculated at the end of the year. If downtime exceeds permitted - downtime 'Liquidated Damages' would be applicable for the delayed period. Maximum repair turnaround time for equipment/system would be 3 days However, the spares, should be maintained in a serviceable condition to avoid complete 'breakdown of the equipment/system. 	
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Revised Bid Schdeule--

E-bids are invited as per following revised time schedule:-

Existing Dates				Extended Dates			
Last Date for sale of Bid Form	Last Date for Receipt of Bid Form	Last Date of Submission of bid document fees	Date & time of online opening of technical bid	Last Date for sale of Bid Form	Last Date for Receipt of Bid Form	Last Date of Submission of bid document fees	Date & time of online opening of technical bid
<u>17.10.2023</u> <u>11:00 AM</u>	<u>17.10.2023</u> <u>06:00 PM</u>	<u>18.10.2023</u> <u>02:00 PM</u>	<u>18.10.2023</u> <u>03:00 PM</u>	<u>26.10.2023</u> <u>11:00 AM</u>	<u>26.10.2023</u> <u>06:00 PM</u>	<u>27.10.2023</u> <u>02:00 PM</u>	<u>27.10.2023</u> <u>03:00 PM</u>

Please note that all clarification/amendment/corrigendum in technical specifications/bid conditions is the integral part of the bid document. This corrigendum/ addendum should be signed and annexed with bid document.

All other terms & conditions remains the same.

Executive Director (EPM)
RMSCL, Jaipur

(Signature)