वैज्ञानिक एवं औद्योगिक अनुसन्धान परिषद् - सूक्ष्मजीव प्रौद्योगिकी संस्थान
सेक्टर ३९-A, चंडीगढ़ - १६००३६
CSIR-INSTITUTE OF MICROBIAL TECHNOLOGY
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SECTOR 39-A, Chandigarh-160036

No.IMT/2019/8969+9062+9533+11637

12.2.2020

Corrigendum

Consequent upon pre-bid conference held on 6.2.2020 for the procurement of Deep Freezers (7 nos.), the technical specifications have been revised and are reproduced on following pages.

Also the deadlines pertaining to EMD / Bid Submission are revised as below :

- Date & Time for Uploading of Bid through CPPP – 24.2.2020 upto 3.00 PM
- Date & Time for Opening of Bid through CPPP – 25.2.2020 upto 3.00 PM
- Date & Time for Submission of EMD (Offline) – 25.2.2020 upto 3.00PM

Bidders may take note of the same and upload their bids only as per the amended specifications and revised deadlines. Other Terms & Conditions of the Tender document remains the same.

GS Verma
Stores & Purchase Officer

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Sr. No.	Revised Specification for 3+2 = 5 nos.
1	Freezer should be of 550 to 600 Liter capacity
2	System should have Programmable operating temperature from –50°C up to –86°C with 1°C increment.
3	It should be an energy efficient system with power consumption ≤ (less than or equal to) 8KWh/day per day under standard test conditions. (Empty freezer with shelves fitted, set point -80degC, 22-26degC ambient conditions)
4	System must be fully functional in operating temperature range (ambient Temperature) from 10°C up to 32^0C
5	Fully programmable microprocessor controlled with membrane keypad.
6	Construction should be of Polyurethane foam / VIP.
7	System should be made up of 18 gauge Steel, 1.2 mm thick with powder coated paint to resist both scratch and rust and the interior should be Polished and fabricated with 304 Stainless Steel (SS) for easy cleaning and which also eliminates any potential cause/reason for oxidation (rusting).
8	Heated air vent with ice-cleaning plunger prevents vacuum formation, allowing the door to be quickly & effortlessly opened anytime in the day
9	Freezer should dissipate minimum heat to the environment, energy efficient and BTU/hour should not more than 1150 BTU/hr.(Freezer set to -80degC, 22-26degC ambient conditions)
10	Maximum Electric Load should not more than 600 Watt.
11	Freezer should have five Compartment with four adjustable height stainless steel shelves and five inner doors with magnetic closures for less sample exposed to environment, energy saving and more options available for separations of different samples.
12	Noise level less than 60dB
13	Should have security keyed locks on the outer doors and lids keep out unauthorized users and password protection
14	On off Switch and On off alarm should be lockable for safety of accidental shut-off.
15	Freezer must use natural refrigerant (HFC-Free, CFC-Free, HCFC-Free) and refrigeration system must be energy efficient and hermetically sealed two stage cascade refrigeration system.
16	Freezer should be Warranty 3 year+ 3years AMC and Compressor should be warranty for 5 years.
17	Freezer must have ISO 9001 standard quality test requirements and certified declaration of conformity. Model of same product should mentioned in attached certificate. ROHS/WEEE Compliance required.
18	IQ,OQ,PQ documents should be provided.
19	**Accessories should be quoted separately for 3 & 2nos. Freezers :**
(A)	For 3nos. Freezers:
	Temperature recorder software should be supplied for real time monitoring of data for each Freezer and it will give message in mobile if deviates from set point.
	Two compartments should be supplied for Fully loaded Racks , 2" Plastic Boxes, 4 nos. Storage Boxes for 15&50ml Tubes for freezing up to -86°C for Each Freezer. Plastic Boxes 2" with Racks for Two compartments should be supplied.
(B)	For 2nos. Freezers:
20	One compartment should be supplied for Fully loaded Racks , 2" Plastic Boxes .Plastic Boxes 2" with Racks for One compartments should be supplied.

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Sr. No.	Revised Specification- 2nos.
1	Freezer should be of 400 to 500 Liter capacity
2	System should have Programmable operating temperature from –50°C up to –86°C with 1°C increment.
3	It should be an energy efficient system with power consumption ≤ (less than or equal to) 11KWh/day per day under standard test conditions. (Empty freezer with shelves fitted, set point -80degC, 22-26degC ambient conditions)
4	System must be fully functional in operating temperature range (ambient Temperature) from 10°C up to 32°C
5	Fully programmable microprocessor controlled with membrane keypad.
6	Construction should be of Polyurethane foam / VIP.
7	System should be made up of 18 gauge Steel, 1.2 mm thick with powder coated paint to resist both scratch and rust and the interior should be Polished and fabricated with 304 Stainless Steel (SS) for easy cleaning and which also eliminates any potential cause/reason for oxidation (rusting).
8	Heated air vent with ice-cleaning plunger prevents vacuum formation, allowing the door to be quickly & effortlessly opened anytime in the day
9	Freezer should dissipate minimum heat to the environment, energy efficient and BTU/hour should not more than 1600 BTU/hr. (Freezer set to -80degC, 22-26degC ambient conditions)
10	Maximum Electric Load should not more than 800 Watt.
11	Freezer should have five Compartment with four adjustable height stainless steel shelves and five inner doors with magnetic closures for less sample exposed to environment, energy saving and more options available for separations of different samples.
12	Noise level less than 55dB
13	Should have security keyed locks on the outer doors and lids keep out unauthorized users and password protection
14	On off Switch and On off alarm should be lockable for safety of accidental shut off.
15	Freezer must use CFC-FREE, HCFC-FREE refrigerants, and refrigeration system must be energy efficient and hermetically sealed two stage cascade refrigeration system.
16	Freezer should be Warranty 1 year and Compressor should be warranty for 5 years.
17	Freezer must have ISO 9001 standard quality test requirements and certified declaration of conformity. Model of same product should mentioned in attached certificate.ROHS/WEEE Compliance required.
18	IQ,OQ,PQ documents should be provided.

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