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Organisation Chain :		Council of Scientific and Industrial Research CCMB-Hyderabad - CSIR Purchase-CCMB - CSIR			
Tender ID :		2019_CSIR_37381_1			
Tender Ref No :		3049/251019/1669/EQPT			
Tender Title :		Supply of Bio Safe Ultra Centrifuge Floor Model with Rotors and Accessories			
Corrigendum Type :		Technical Bid			
Corrigendum Document Details					
Corr.No.	Corrigendum Title	Corrigendum Description	Published Date	Document Name	Doc Size (in KB)
1	Corrigendum on Amendment to Technical Specifications and Requirements	Bio Safety Ultra Centrifuge Floor Model with Rotors and Accessories Corrigendum on Amendment of Technical Specifications and requirements in Chapter 4 of Original tender document on the subject	23-Dec-2019 07:21 PM	3049AmendmetOfSpecificationsOfBiosafeUltraCentrifugeFloorModelafterPBCon19.12.19.pdf	158.85





सीएसआईआर-कोशिकीय एवं आणविक जीवविज्ञान केन्द्र
CSIR-CENTRE FOR CELLULAR & MOLECULAR BIOLOGY

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)

(COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH)

उप्पल रोड, हैदराबाद/Uppal Road, Hyderabad – 500 007

(तेलंगाना/TELANGANA) भारत/India

Tender ID No. 2019_CSIR_37381_1

CCMB Ref. No. 3049/251019/1669/EQPT

Date: 23.12.2019

Sub.- Amendment to original Tendered Technical Specifications for procurement of “BIOSAFETY ULTRACENTRIFUGE FLOOR MODEL WITH ROTORS AND ACCESSORIES” – reg.

With reference to Pre-Bid Conference (PBC) held on 19.12.2019 to finalise the tendered specifications, all bidders are requested to take a NOTE of the CHANGES in the tendered specifications at REVISED CHAPTER- 4 placed below. Accordingly , tendered specifications of “BIOSAFETY ULTRACENTRIFUGE FLOOR MODEL WITH ROTORS AND ACCESSORIES” mentioned under CHAPTER- 4 in the original Tender Document gets completely substituted by REVISED CHAPTER- 4 placed below (Page 2-3) and bidders in their own interest are advised to carefully go through changes before submitting their e-bid.

There is no change in other Terms and Conditions of the original Tender Document.

Bidders are advised to submit their e-bids as per original schedule given in the Tender Document on the subject which is also reproduced below for information-

BID submission Start Date & Time	24.12.2019 (17.00 Hrs onward)
BID submission End Date & Time	08.01.2020 (upto 14.00 Hrs)
Date & Time for opening of Bids	09.01.2020 (upto 14.30 Hrs)

Note: Prescribed BID SECURITY /EMD in original giving CCMB Tender Reference and CPPP Tender ID Reference must reach this office on or before BID Submission End Date & Time i.e. 08.01.2020 (upto 14.00 Hrs) at the address given in Tendered Document, as also reproduced below: –

“Stores & Purchase Officer, CCMB, Habsiguda, Uppal Road, Hyderabad-500007”.

Sd/-
(Dharmendra Kumar)
Stores & Purchase Officer

Specifications for BIOSAFETY ULTRACENTRIFUGE FLOOR MODEL WITH ROTORS AND ACCESSORIES -1 No.

The Ultracentrifuge in BSL facility will be used for purification of viruses and other infectious microorganisms. The centrifuge will also be used for samples preparation from infected cells and tissues. Our samples sizes can go from 2 ml to 35 ml and larger volumes.

i SPECIFICATIONS:

- | | | |
|--|---|--|
| 1. Speed | : | 1,00,000 rpm or more |
| 2. g Force | : | 8,00,000 x g or more |
| 3. Control | : | Microprocessor |
| 4. Display | : | Large touch-screen display |
| 5. Speed Control Accuracy | : | +/- 5 of set speed or better |
| 6. Refrigeration System | : | Thermoelectric, Non-CFC |
| 7. Operating Temperature Control | : | 0° C to 40° C |
| 8. Temperature Accuracy | : | + /- 0.5° C of set temperature or better |
| 9. Drive Cooling | : | Air Cooled |
| 10. User defined programs | : | 100 or more |
| 11. User Profiles | : | Up to 50 or more unique users ID's and passwords |
| 12. Accelerations/Decelerations profiles | : | 10 Accelerations/10 Decelerations or more profiles |
| 13. Sound level | : | < 55 dBa |
| 14. Power | : | 220 Volts, 50Hz, (Single Phase) |

ii Other essential Features:

15. Centrifuge have inbuilt imbalance detection system to stop the centrifuge in order to prevent rotor failure.
16. Centrifuge should have over speed system to ensure that the rotor does not exceed its maximum allowable speed
17. Software with inbuilt calculations, simulations and real-time run graphing
18. On screen help features
19. System should be able to accept Fixed Angle Rotor, Near Vertical Rotor and Swing Bucket Rotors
20. System should be able to handle volumes from 2 ml to 100 ml or each tube.
21. Ability to remove moisture with vacuum
22. After the power interruption/failure, system should resume the run from the last recorded parameters once the power is normal (No change made)
23. Option for RPM or RCF user selectable
24. The Bio-Safety feature for the Ultracentrifuge should be factory fitted.

iii BIOSAFETY Rotors:

25. Fixed angle Titanium rotor:

Capacity	: 8 x 6 ml or more	1 No.
Speed	: 1, 00,000 or more	
g force	: 8,00,000 or more	
K Factor	: K Factor : 17 or less	

Essential tubes for the above volume to be offered (around 100 Nos.)

The rotor should be able to accommodate lower volumes around 2ml and 5ml tubes with suitable adapters (set of 6 adapters of each size to be offered). Suitable tubes for the above volumes (50 each to be included)

26. Fixed angle Titanium rotor: 1 No.

Capacity : 8 x 35 ml or more/8 x 12 ml or more
Speed : 70,000 rpm or more
g force : 5,00,000 g or more
K factor : 45 or less

Essential tubes for the above volume to be offered (around 100 Nos.)

The 8x 35 ml rotor should be able to accommodate low volume around 26ml & 15 ml tubes with suitable adapters (set of 8 adapters of each size to be offered). Suitable tubes for the above volumes (50 each to be included)

The 8x12ml rotor should be able to accommodate low volume around 10 ml & 6.3 ml tubes with suitable adapters (set of 8 adapters of each size to be offered). Suitable tubes for the above volumes (50 each to be included)

27. Swing out bucket Titanium rotor: 1 No.

Capacity : 6 x 13 ml or more
Speed : 41,000 rpm or more
g force : 2,80,000 g or more
K Factor : 125 or less

Essential tubes for the above volume to be offered (around 200 Nos.).

28. Essential consumables like over speed disk-3 Nos. for each rotor, 0-ring 1 set for each rotor and toolkit 1 No. to be offered.

29. **Warranty:** Cost should include **Five years** warranty on complete system.

Important Note:

1. Commitment for the supply of Complete Instruction, Service Manuals with Circuit diagrams and engineering details to be supplied along with the system. Commitment to be made in the offer.
2. Availability of local Service Support and response time for a Service Call during and after warranty to be mentioned.
3. Original Literatures containing detailed specifications and features of both the centrifuge and rotors should accompany the offer. Unspecified parameters will be technically rejected.
4. Should provide the installation base in India with contact details. Customer satisfaction report form reputed institutions should also be included.
5. The system should be demonstrated upon request for the checking its performance.

NOTE: Bidders may also note that in case of any discrepancy pertaining to requirement of Training, Warranty and tendered Technical Specifications mentioned in any other part of Tender Document on the subject, requirement on Training, Warranty and Technical Specifications specifically indicated in this REVISED CHAPTER - 4 shall prevail.

