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Tender Ref No :		2808/160919/1177/EQPT			
Tender Title :		Supply of Bench Top Fermentor with Accessories			
Corrigendum Type :		Technical Bid			
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1	Corrigendum on Amendment of Technical Specifications and eligibility	Bench Top Fermentor with Accessories Corrigendum on Amendment of Technical Specifications and requirements eligibility in Chapter 4 and Chapter 6 of Original tender document on the subject	23-Dec-2019 07:09 PM	2808AmendmetOfSpecificationsOfFermentorafterPBCon20.12.19.pdf 	230.73



सीएसआईआर-कोशिकीय एवं आणविक जीवविज्ञान केन्द्र
CSIR-CENTRE FOR CELLULAR & MOLECULAR BIOLOGY
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)
(COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH)
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(तेलंगाना/TELANGANA) भारत/India

Tender ID No. 2019_CSIR_37617_1

CCMB Ref. No. 2808/160919/1177/EQPT

Date: 23.12.2019

Sub.- Amendment of original Tendered Technical Specifications for procurement of **“Bench Top Fermentor with accessories”** – reg.

With reference to Pre-Bid Conference (PBC) held on 20.12.2019 to finalise the tendered specifications, all bidders are requested to take a NOTE of the CHANGES in the tendered specifications at REVISED CHAPTER- 4 & 6 placed below. Accordingly , tendered specifications of “Bench Top Fermentor with accessories” mentioned under CHAPTER- 4 and CHAPTER- 6 in the original Tender Document gets completely substituted by REVISED CHAPTER- 4 and REVISED CHAPTER 6 placed below (Page 2 to 3 and 4 to 7 respectively) 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	09.01.2020 (upto 14.00 Hrs)
Date & Time for opening of Bids	10.01.2020 (upto 14.30 Hrs)

Note: Prescribed BID SECURITY /EMD in original giving CCMB Tender Reference and CPPP ID must reach this office on or before BID Submission End Date & Time i.e. 09.01.2020 (upto 14.00 Hrs) at the address given in Tendered Document, as reproduced below: –

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

Sd/-

(Dharmendra Kumar)
Stores & Purchase Officer

Specifications for Bench Top Fermentor with accessories – 2 Nos.

Applications: - Fermentation and Cell Culture - System should be able to grow virtually any cell type, aerobic and anaerobic microbes, yeast, insect, plant and mammalian cells.

I Vessel :- The vessel assembly should consist of – Dish bottom borosilicate double water jacketed autoclavable glass vessel with 316 stainless steel Head plate, Vessel stand, Agitation Motor, direct drive assembly, jacket water heater, thermo well, RTD probe, baffle assembly, two Rushton impellers, exhaust condenser, sterile sampler, tri-port adaptor, septum kit, liquid addition tube and Head plate adapter, two addition bottles & tubes..The glass vessels of the following working volumes capacities to be included in the offer

- a) ≤ 0.7 to 1 Litre - 2 Nos.
- b) ≤ 2 to 5 Litres - 2 Nos.
- c) ≤ 4 - 10 Litres - 2 Nos.

II Control Station:- The control station should be advanced integrated controller and future upgradable for two or more additional utility stations and interchangeable vessels. – 2 Nos.

- 1. Display : Large colour touch screen display
- 2. Temperature Range : 20°C to 60°C maximum temperatures
- 3. Temperature Control : PID controller for both heating and cooling
- 4. Sensor : RTD probe
- 5. Power : 220V AC/50Hz. (Single Phase)

III Agitation

- 6. Drive Type & Control : Direct Drive System
- 7. Drive Speed range : 50 to 1200 or more
- 8. Impellers Type : Rushton type , Pitched blade, and Marine blade – 2 Nos. each
- 9. Baffles : Removable with 316L stainless steel

IV Aeration

- 10. Gas Mixing : Automatic 4- gas mixing with mass flow controller
- 11. Gas Mixing range : Thermo mass flow controller 0.2 to 18 SLPM or better
- 12. Sparger : Standard ring Sparger
- 13. Inlet filter : 0.2 micro meter absolute filter or better

V pH and DO

- | | | |
|-----|-----------------------|--|
| 14. | pH range and Sensor : | 2 – 14 pH with pH probe |
| 15. | pH Control : | PID controller with adjustable dead band |
| 16. | DO range and Sensor: | 0-200 % or more and Optical graphic /Polar graphic DO sensor |
| 17. | DO Control : | PID cascade to agitation, gases equipped with mass flow controller |
| 18. | Pumps : | 3 pump having variable duty cycle integrated with controller |
| 19. | Foam & Level Sensor: | System should have foam and level sensor |
| 20. | Exhaust Filter : | 0.2 micro meter Absolute filter or better |
| 21. | Warranty : | Three years comprehensive warranty on the complete system. |

Important Note:-

1. Detailed original literature with technical specifications to be attached with the offer.
2. Systems should be complete in all respects. All the standard accessories should be included for full functionality.
3. A letter from original equipment supplier must be enclosed to the effect that the equipment to be supplied are based on their latest proven technology and they will support the equipment at least for a period of 7 years after the expiry of warranty.
4. Please indicate the number of installation (with scientist name, phone number and email ID) of the model quoted. End user certificates (3) to be enclosed from CSIR Institutions/ National laboratories /reputed Biotech Industries.
5. Availability of local Service Support and response time for a Service Call during and after warranty should be within 24 hours.
6. Detailed instruction, Service manual with electronic schematics should be supplied along with the system.
7. Complete installation and testing of the equipment to its specifications with standard samples and user samples to be done at the site of installation.
8. Demo of the offered model to be given on request from CCMB.

REVISED CHAPTER 6

Qualification Requirements

(Prequalification Criteria)

Criteria 1 - Experience and Past Performance:

- a) The bidder (manufacturer or principal of authorized representative – hereinafter referred simply as 'The Bidder') should have regularly for at least the last **02 years**, ending 31st March of the previous financial year (hereinafter called 'The relevant Date'), manufactured and supplied/erected/ commissioned **BENCH TOP FERMENTOR WITH ACCESSORIES, QUANTITY: 02 NOS.** with the same or higher specifications having/with ***Fermentation and Cell Culture*** / parameters (hereinafter called 'The Product'). The bidder should submit the ***Manufacturer Authorization Form*** as appended in Chapter-8 and
- b) 'The bidder' should have manufactured and supplied (/erected/commissioned) at least **five numbers** (herein after referred as 'The Qualifying Quantity') of 'The Product' in the last **five years** ending on 'The relevant Date', and out of which
- c) At least **three numbers** of offered version/model of 'The product' should be in successful operation for at least **one year** on the date of bid opening.

Criteria 2 - Capability- Equipment & manufacturing Facilities:

'The bidder' must have an annual capacity to manufacture and supply (/erected/commissioned) at least **Five** (The Qualifying Quantity)

Note: In case of multiple products in a tender, this criterion shall be applicable product wise. For example, in case of Printing Paper of different specifications/sizes, it shall be applicable to quantity of paper manufactured and supplied specification/size wise.

Criteria 3 - Financial Standing – under all conditions

- a) The average annual financial turnover of 'The bidder' during the last three years, ending on 'The relevant Date', should be at ₹4500000.00 (or equivalent in foreign currency at exchange rate prevalent on 'The Relevant Date') as per the annual report (audited balance sheet and profit & loss account) of the relevant period, duly authenticated by a Chartered Accountant/Cost Accountant in India or equivalent in relevant countries.

Ministry of MSME have clarified that all Central Ministries/Departments/Central Public Section Undertakings may relax condition of prior turnover and prior experience with respect to Micro and Small Enterprises in all public procurements subject to meeting of quality and technical specifications. Further, the condition of prior turnover and prior experience may be relaxed for Start-ups (as defined by Department of Industrial Policy and Promotion) subject to meeting of quality & technical specifications and making suitable provisions in the bidding document (rule 173 (i) of GFR 2017))

- b) Bidder Firm (manufacturer or principal of authorised representative) should not have suffered any financial loss for more than one year during the last three years, ending on 'The Relevant Date'.
- c) The net worth of the Bidder firm (manufacturer or principal of authorised representative) should not be negative on 'The Relevant Date' and also ii) should have not eroded by more than 30% (thirty percent) in the last three years, ending on 'The Relevant Date'.

Note: In case of Indian Bidders/companies (manufacturer or principal of authorized representative) who have been restructured by Banks in India, under the statutory guidelines, they would be deemed to have qualified the Financial standing criteria considering the institutional financial backing available to them.

Applicability in Special Cases:

- a) Applicability to 'Make in India': Bidders (manufacturer or principal of authorized representative) who have a valid/approved ongoing 'Make in India' agreement/ program and who while meeting all other criteria above, except for any or more of sub-criteria in Experience and Past Performance above, would also be considered to be qualified provided:
 - i) their foreign 'Make-in-India' associates meet all the criteria above without exemption, and
 - ii) the Bidder submits appropriate documentary proof for a valid/approved ongoing 'Make in India' agreement/program.
 - iii) the bidder (manufacturer or principal of authorized representative) furnishes along with the bid a legally enforceable undertaking jointly executed by himself and such foreign Manufacturer for satisfactory manufacture, Supply (and erection, commissioning if applicable) and performance of 'The Product' offered including all warranty obligations as per the general and special conditions of contract.
- b) Authorized Representatives: Bids of bidders quoting as authorised representative of a principal manufacturer would also be considered to be qualified, provided:
 - i) their principal manufacturer meets all the criteria above without exemption, and
 - ii) the principal manufacturer furnishes a legally enforceable tender-specific authorisation in the prescribed form assuring full guarantee and warranty obligations as per the general and special conditions of contract; and
 - iii) the bidder himself should have been associated, as authorised representative of the same or other Principal Manufacturer for same set of services as in present bid (supply, installation, satisfactorily commissioning, after sales service as the case may be) for same or similar 'Product' for past three years ending on 'The Relevant Date'.
- c) For Existing Successful Past Suppliers: In case the bidder (manufacturer or principal of authorised representative) who is a successful past supplier of 'The Product' in at least

one of the recent past *one* procurements, who do not meet any or more of requirements above, would also be considered to be qualified in view of their proven credentials, for the maximum quantity supplied by him in such recent past.

- d) *Joint Ventures and Holding Companies: Credentials of the partners of Joint ventures cannot (repeat cannot) be clubbed for the purpose of compliance of PQC in supply of Goods/Equipment, and each partner must comply with all the PQC criteria independently. However, for the purpose of qualifying the Financial Standing Criteria, the Financial Standing credentials of a Holding Company can be clubbed with only one of the fully owned subsidiary bidding company, with appropriate legal documents proving such ownership.*

Note for Bidders:

- a) **'Doctrine of Substantial Compliance'**: The Pre-Qualification Bidding (PQB) and Pre-Qualification Criteria (PQC) are for shortlisting of sources who are competent to perform this contract to ensure best value for money from expenditure of Public Money. This process is neither intended to bestow any entitlement upon nor to create any rights or privileges for the Bidders, by way of overly hair-splitting or viciously legalistic interpretations of these criteria, disregarding the very rationale of the PQB and PQC. Keeping this caveat in view, interpretation by the Purchaser would be based on common usage of terminologies and phrases in public procurement in accordance with the 'Doctrine of Substantial Compliance' and would be final.
- b) The Bidder must declare, whether asked or not in a bid document, any previous transgressions of such a code of integrity with any entity in any country during the last three years or of being debarred by any other Procuring Entity. Failure to do so would amount to violation of this code of integrity.
- c) In case of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. **One manufacturer can also authorise only one agent/dealer.** There can be only **one bid** from the following:
- i) The Principal manufacturer directly or through one Indian agent on his behalf; and
 - ii) Indian/foreign agent on behalf of only one principal.
- d) Along with all the necessary documents/certificates required as per the tender conditions, the bidder should furnish a brief write-up, backed with adequate data, explaining his available capacity (both technical and financial), for manufacture and supply of the required goods/equipment, within the specified time of completion, after meeting all their current commitments.
- e) Supporting documents submitted by the bidder must be certified as follows:
- i) All copy of supply/work order; respective completion certificate and contact details of clients; documents issued by the relevant Industries Department/National Small Industries Corporation (NSIC)/ manufacturing licence; annual report, etc., in support of experience, past performance and capacity/capability should be authenticated by the person authorised to

sign the tender on behalf of the bidder. Original Documents must be submitted for inspection, if so demanded.

- ii) All financial standing data should be certified by certified accountants, for example, Chartered Accountants/Cost Accountants or equivalent in relevant countries; and Indian bidder or Indian counterparts of foreign bidders should furnish their Permanent Account Number.
- f) A bidder or any of its affiliates who participated as a consultant in the preparation of the design or technical specifications of the contract i.e. the subject of the bid; cannot participate in the bidding process.
- g) Indian agents quoting on behalf of its foreign principal need to submit a copy of the agency agreement with the foreign principal detailing the services to be rendered by them on behalf of the principals, failing which its bid shall not be considered.
- (h) Foreign bidders to disclose the name and address of agent and representatives in India and Indian bidder to disclose their foreign principal or associates.

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 and CHAPTER - 6 shall prevail.

