

Foundation for Innovative New Diagnostics (FIND)

Advertised Tender Enquiry (ATI)

**BID DOCUMENT
FOR
PROCUREMENT OF GOODS & EQUIPMENT AND
RELATED SERVICES FOR TB LABORATORIES
ACROSS INDIA**

Bid Ref. No.: SAMS/FIND/Proc./Equipment/ATI/5/2019



(Procurement Agent)

STRATEGIC ALLIANCE

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Section I
NOTICE INVITING BIDS
FOR
PROCUREMENT OF GOODS & EQUIPMENT AND RELATED SERVICES
FOR TB LABORATORIES ACROSS INDIA

Bid Ref. No. : SAMS/FIND/Proc./Equipment/ATI/5/2019

Dated: 12/03/2019

1. Strategic Alliance Management Services Pvt. Ltd. (SAMS) has been engaged by "Foundation for Innovative New Diagnostics" (FIND), New Delhi (a not-for-profit Company created under Section 8 (Indian) Companies Act, 2013) for providing procurement consultancy services for equipment, goods, works and services for TB Laboratories established across India under Revised National Tuberculosis Programme (RNTCP), Ministry of Health and Family Welfare, Govt. of India.
2. SAMS hereby invites bids from eligible and qualified bidders for supply of following Goods, Equipment and related services:

Sch. No.	Description of Goods and Equipment	Lot-wise Quantity (Nos.)	Lot-wise Quantity (Nos.)	Total Quantity (Nos.)
		Lot-1	Lot-2	
1	Biosafety cabinet Class II A2 with UPS	28	30	58
2	Refrigerator 300-450 lit	16	17	33
3	Refrigerator 165-200 lit	10	13	23
4	Laboratory Incubator (37° C)	19	20	39
5	Refrigerated centrifuge with UPS	20	20	40
6	Inspissator	19	19	38
7	Autoclaves: Horizontal (300-320L)	5	7	12
8	Autoclaves: Horizontal (200-220L)	2	1	3
9	Autoclaves: Vertical	20	19	39
10	Precision balance	10	10	20
11	Analytical Balance	10	10	20
12	Vortex	28	30	58
13	Electric Micro incinerator	26	29	55
14	UPS with batteries 3 KVA, half hour	13	10	23
15	Water Distillation plant	11	10	21
16	Water Bath	10	10	20
17	Hot Air Oven(For sterilization)-260liters	10	10	20
18	pH meter	12	10	22
19	Deep Freezer(-86° C)	10	10	20
20	Deep Freezer(-20° C)	10	10	20
21	Variable Volume Pipette (20-200 µl)	34	37	71
	Variable Volume Pipette (100-1000 µl)	34	37	71
	Racks Suitable for pipettes offered, at least 4 positions	56	60	116

3. Bidding will be conducted through the 'Advertised Tender Enquiry - Two Bid System', method and procedures as set out in the 'General Financial Rule – 2017' and Manual for Procurement of Goods – 2017 issued by Department of Expenditure, Ministry of Finance, Govt. of India.
4. Bidders are required to submit Bid Security for the amount and form mentioned in the Bid Documents. Certain class of Bidders are exempted from submission of Bid Security. Details are given in Bidding Documents.
5. The Bid Document can be freely downloaded from the website www.samsconsult.com starting from **1000 Hrs. on 12/03/2019**. Bidders shall be solely responsible for checking the above website for any addendum/amendment issued subsequent to publication of this NIB and take the same into consideration while preparing and submitting their bids.
6. The bidders' authorized representatives are invited to attend a pre-bid meeting at **1100 hrs. on 26/03/2019** at the Purchaser's office. Please note that non-attendance of the pre-bid meeting will not be the cause of disqualification of bidders.
7. Bids must be delivered up to **1400 hours on 11/04/2019** at the office of Purchaser. Technical Bids will be **opened on the same day at 1430 hrs.** in the presence of the bidders' representatives, who choose to attend the technical bid opening meeting. Late bids will be rejected.
8. The time and date of opening of Financial Bids shall be informed to Bidders assessed qualified during technical evaluation of bids.

Director, SAMS

Section-II
Instructions to Bidders

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Section – II

Instructions to Bidders

A. GENERAL

1. Introduction

- 1.1 In connection with the Notice Inviting Bids (NIB) for Procurement of Goods, Equipment and related services as **specified in the Section III - Bid Data Sheet (BDS)**, the Purchaser **as specified in the BDS**, has issued these Bidding Documents for the supply of Goods, Equipment and related services **as specified in Section V - Schedule of Requirements**.
- 1.2 This Section provides the relevant information as well as instructions to assist prospective bidders in preparation and submission of bids. It also includes the mode and procedure to be adopted by the Purchaser for receipt and opening as well as scrutiny and evaluation of bids and subsequent placement of award of contract.
- 1.3 Before preparing the bid, and submitting the same to the Purchaser, the bidder should read and examine all the terms & conditions, instructions etc. contained in the Bidding Documents. Failure to provide required information or to comply with the instructions incorporated in this Bidding Documents may result in rejection of bids submitted by bidders.
- 1.4 The bidder shall bear all costs and expenditure incurred and/or to be incurred by it in connection with its bid including preparation, mailing and submission of its bid and subsequently processing the same. The Purchaser shall, in no case be responsible or liable for any such cost, expenditure etc. regardless of the conduct or outcome of the bidding process.

2. Language of Bids

- 2.1 Bid submitted by the bidder and all subsequent correspondences and documents relating to the bid exchanged between the bidder and the Purchaser, shall be written in English language. However, the language of any printed literature furnished by the bidder in connection with its bid may be written in any other language, provided the same is accompanied by a self-certified English translation and, for purposes of interpretation of the bid, the English translation shall prevail.

3. Code of Integrity

- 3.1 The Purchaser and all officers or employees of the purchaser, whether involved in the procurement process or otherwise, or Bidders and their representatives or consultants or service providers participating in a procurement process or other persons involved, directly or indirectly in any way in a procurement process shall maintain an unimpeachable standard of integrity.
- 3.2 It is prescribed to the Purchaser and Bidders to uphold the Code of Integrity, which prohibits officers or employees of a Purchaser or a person participating in a procurement process the following:

- (i) any offer, solicitation or acceptance of any bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process;
- (ii) any omission, including a misrepresentation that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- (iii) any collusion, bid rigging or anti-competitive behaviour to impair the transparency, fairness and progress of the procurement process;
- (iv) improper use of information shared between the Purchaser and the bidders with an intent to gain unfair advantage in the procurement process or for personal gain;
- (v) any financial or business transactions between the bidder and any officer or employee of the Purchaser, who are directly or indirectly related to tender or execution process of contract;
- (vi) any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (vii) any obstruction of any investigation or audit of a procurement process;
- (viii) making false declaration or providing false information for participation in -
 - a) tender process or to secure a contract;
 - b) disclosure of Conflict of Interest;
 - c) disclosure by the bidder of any previous transgressions with any entity in India or any other country during the last three years or of any debarment by any other Procuring Entity.

3.3 In case of any breach of the Code of Integrity by a bidder or a prospective bidder, as the case may be, the Purchaser after giving a reasonable opportunity of being heard, may take appropriate measures including –

- a) exclusion of the bidder from the procurement process;
- b) calling off of pre-contract negotiations and forfeiture or encashment of bid security;
- c) forfeiture or encashment of any other security or bond relating to procurement;
- d) recovery of payments made by the Purchaser along with interest thereon at bank rate;
- e) cancellation of the relevant contract and recovery of compensation for loss incurred by the Purchaser;
- f) debarment of the bidder from participation in any future procurements of Purchaser for a period not exceeding three years.

4. Conflict of Interest

- 4.1 Conflict of Interest for the Purchaser or its personnel and bidders is considered to be a situation in which a party has interests that could improperly influence that performance of its duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.
- 4.2 Purchaser describes the situations in which a Purchaser or its personnel may be considered to be in Conflict of Interest include, but are not limited to the following -
- a) Conflict of Interest occurs when the private interests of Purchaser or its personnel, such as personal, non-official, extra- professional or other relationships or personal financial assets, interfere or appear to interfere with the proper performance of its professional functions or obligations as a procurement official;
 - b) within the procurement environment, a Conflict of Interest may arise in connection with such private interests as personal investments and assets, political or other social activities and affiliations while in the service of the Purchaser, employment after retirement from service or of relatives or the receipt of a gift that may place the Purchaser or its personnel in a position of obligation;
 - c) Conflict of Interest also includes the use of assets of the Purchaser including human, financial and material assets, or the use of the office of the Purchaser or knowledge gained from official functions for private gain or to prejudice the position of someone the Purchaser or its personnel does not favour;
 - d) Conflict of Interest may also arise in situations where the Purchaser or any of its personnel is seen to benefit directly or indirectly or allow a third party, including family, friends or someone they favour, to benefit directly or indirectly from the decision or action of the Purchaser;
- 4.3 The situations in which bidders participating in a procurement process or their representatives may be considered to be in Conflict of Interest include, but are not limited to the following –
- a) If they or their personnel or representatives or agents have any relationship or financial or business transactions or interests with any official of the Purchaser that are directly or indirectly involved in or related to the procurement process or execution of contract;
 - b) If they receive or have received any direct or indirect subsidy from any other bidder;
 - c) If they have the same legal representative for purposes of the bid;
 - d) If they have a relationship with each other, directly or through common third parties that puts them in a position to have access to information about or influence on the bid of another;
 - e) If they participate in more than one bid in the same bidding process;

- f) If they have controlling partners in common;
 - g) If a bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the subject matter of procurement of the bidding process or were involved in such preparation in any way;
- 4.4 In the 'Letter of Technical Bid' to be submitted by the bidder, as per format given in **Section VI - Bidding Forms**, all bidders shall provide a signed statement that the bidder is neither associated nor has been associated directly or indirectly with the consultant or any other entity that has prepared the design, specifications and other documents for the subject matter of procurement or is being proposed as Project Manager for the contract;
- 4.5 In case of a holding company having more than one independently manufacturing unit or more than one unit having common business ownership or management, only one unit shall be allowed to submit bid or quote to prevent any Conflict of Interest. Similar restrictions shall apply to closely related sister or subsidiary companies. Such bidders must proactively declare such sister or subsidiary company or common business or management units in similar lines of business;
- 4.6 In cases of agents quoting in offshore procurements on behalf of their principal manufacturers, one agent shall not represent two manufacturers or quote on their behalf in a particular bid enquiry to prevent any Conflict of Interest.

5. Eligible Bidders and Goods

- 5.1 Bidder shall be a private entity, government-owned entity or, any combination of these having a formal intent and legal competency to enter into an agreement or contract and are registered under respective Act and Jurisdiction in India or any other country with which India has not banned trade relations.
- 5.2 Bidder should not have a Conflict of Interest as prescribed and specified in ITB Para 4, which materially affects fair competition.
- 5.3 In addition, any bidder participating in the procurement process shall –
- (i) have fulfilled his obligation to pay such of the tax payable to the Central Government or the State Government or any local authority;
 - (ii) not be insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and must not be the subject of legal proceedings for any of the foregoing reasons;
 - (iii) not have, and their directors and officers not have, been convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
 - (iv) not be debarred by any Procuring Entity under the State / UT Government, the Central Government, Autonomous body, Authority by whatever name called under them, UNOPS, UNDP, SAMS or GFATM as on the date of opening of bids .

- 5.4 In the 'Letter of Technical Bid' to be submitted by the bidder, as per format given in **Section VI - Bidding Forms**, all bidders shall provide a signed statement that the bidder fulfils the eligibility requirements given in ITB Para 5.3;
- 5.5 All goods to be supplied under the contract shall have their origin in India or any other country with which India has not banned trade relations. The term "origin" used in this clause means the place where the goods are mined, grown, produced, or manufactured or from where the related services are arranged and supplied.

6. Bidders' Qualification

- 6.1 Bidders should substantially meet the qualification criteria as stipulated in the **Section IV - Evaluation and Qualification Criteria**.
- 6.2 Bidders should fill and submit the "Proforma for Performance Statement (for a period of last five years)" provided in **Section VI - Bidding Forms** to provide relevant information and documents in support of fulfilment of bidder's qualification, along with its bid.

B. BIDDING DOCUMENTS

7. Content of Bidding Documents

- 7.1 The Bidding Documents shall include the following Sections, which should be read in conjunction with any Amendment issued in accordance with ITB Para 10.
- Section I Notice Inviting Bids (NIB)
 - Section II Instructions to Bidders (ITB)
 - Section III Bid Data Sheet
 - Section IV Evaluation and Qualification Criteria
 - Section V Schedule of Requirements
 - Section VI Bidding Forms
 - Section VII General Conditions of Contract (GCC)
 - Section VIII Special Conditions of Contract (SCC)
 - Section IX Contract Forms
- 7.2 Unless downloaded directly from the Purchaser's website **as specified in the BDS**, Purchaser shall not be responsible for the correctness of the Bidding Documents, responses to requests for clarification, the Minutes of the Pre-bid meeting, if any, or Amendment(s) to the Bidding Documents in accordance with ITB Para 10.
- 7.3 Bidders are expected to examine all instructions, forms, terms, and specifications in the Bidding Documents and to furnish with its Bid all information or documentation as is required by the Bidding Documents.

8. Clarifications of Bidding Documents

- 8.1 A Bidder requiring any clarification of the Bidding Documents shall contact the Purchaser in writing at the Purchaser's address **specified in the BDS**. The Purchaser will respond in writing to any request for clarification, provided that such request is received prior to the deadline for submission of bids as **specified in the BDS**.
- 8.2 The Purchaser shall also promptly publish brief description of the enquiry but without identifying its source and its response at its website as **specified in the BDS**.
- 8.3 Should the clarification result in changes to the essential elements of the Bidding Documents, the Purchaser shall amend the Bidding Documents following the procedure given under ITB Para 10.

9. Pre-Bid Meeting

- 9.1 In order to provide response to any doubt regarding Bidding Documents, or to clarify issues, a pre-bid meeting may be scheduled, **if specified in the BDS**.
- 9.2 During the pre-bid meeting, the clarification sought by representative of prospective bidders shall be responded appropriately. However, they shall be asked to submit their written request by close of office next day. The Purchaser shall publish written response to such requests for clarifications, without identifying its source. In case required, amendment(s), in terms of ITB Para 10 below shall be issued, which shall be binding on all prospective bidders.

10. Amendments to Bid Documents

- 10.1 At any time prior to the deadline for submission of bids, the Purchaser may, pursuant to ITB Para 8 and 9 and for any reason deemed fit by it, amend or modify the Bidding Documents by issuing Amendment(s).
- 10.2 Such Amendment(s) will be published on Purchaser's website **as specified in the BDS** and the same shall be binding on all prospective Bidders.
- 10.3 In order to give reasonable time to prospective bidders to take necessary action in preparing their bids, the Purchaser may, at its discretion extend the deadline for the submission of bids and other allied time frames, which are linked with that deadline.
- 10.4 Any bidder who has downloaded the Bidding Documents should check the Amendment(s), if any, issued on the Purchaser's website. The Purchaser shall not be responsible in any manner if prospective Bidders miss any Amendment(s) published on Purchaser's website.

C. PREPARATION OF BIDS

11. Documents Comprising the Bid

11.1 The bid submitted by the bidder shall be in Two Bid System i.e. “**Technical Bid**” and “**Financial Bid**” in separately sealed envelopes. The Bid shall comprise the following:

Technical Bid:

- i) Letter of Technical Bid as per Form provided in **Section VI – Bidding Forms**;
- ii) Bid Security furnished in accordance with **ITB Para 19**;
- iii) Valid Registration Certificate issued by District Industries & Commerce Centre (DI&CC), from any State/UT Govt. in India; or National Small Industries Corporation (NSIC), New Delhi in case bidder seeks to avail exemption from submission of bid security (in accordance with **ITB Para 19.2**).
- iv) Bidder Information Form as per Form provided in **Section VI: Bidding Forms**;
- v) Technical Compliance Sheet as per Form provided in **Section VI: Bidding Forms**;
- vi) Documents establishing the compliance of Goods in accordance with **ITB Para 16**;
- vii) Documents establishing bidders’ qualification in accordance with **ITB Para 17.2**;
- viii) Manufacturer’s Authorization, in case bid is submitted by an Agent, as per Form given in **Section VI: Bidding Forms**;
- ix) Proforma for Performance Statement (for a period of last three years) as per format given in **Section VI: Bidding Forms** along with supporting documents;
- x) Proforma for other Details of Bidder, Manufacturer and its Bank as per format given in **Section VI: Bidding Forms**;
- xi) Bidder firm’s Certificate of Incorporation/ Registration, Article and Memorandum of Association or any such registration document;
- xii) Self-attested copy of GSTIN registration;
- xiii) Any other document **as required in the BDS**

Financial Bid:

- i) Letter of Financial Bid as per Form provided in **Section VI – Bidding Forms**;
- ii) Price Schedule prepared in accordance with **ITB Para 14**;

12. Letter of Technical Bid, Financial Bid and Price Schedule

12.1 The Letter of Technical Bid, Letter of Financial Bid and Price Schedule shall be prepared as per the Forms furnished in **Section VI: Bidding Forms**. The forms must be completed without any alterations to the text, and no substitutes shall be accepted. All blank spaces shall be filled-in with the information requested.

13. Alternative Bids

13.1 Unless otherwise **specified in the BDS**, alternative bids shall not be considered.

14. Bid Prices

- 14.1 The prices quoted by the Bidder in the Price Schedule shall conform to the requirements specified below.
- 14.2 All Schedules / Lots (if any) and items thereunder must be listed and priced separately in the Price Schedule. The price quoted shall correspond to 100% of the items specified for each Schedule / Lot.
- 14.3 The price to be quoted in the 'Letter of Financial Bid' in accordance with ITB Para 12.1 shall be the total price of the bid.
- 14.4 The price quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and shall not be subject to variation on any account, **unless otherwise specified in the BDS**. The bid submitted with adjustable price quotation shall be treated as nonresponsive and shall be rejected.
- 14.5 The price shall be quoted as specified in the Form of Price Schedule given in **Section VI - Bidding Forms**. The dis-aggregation of price components is required solely for the purpose of facilitating the comparison of bids by the Purchaser. This shall not in any way limit the Purchaser's right to contract on any of the terms offered. Prices shall be entered in the following manner:
- (i) the unit and total price of the Goods on DDP (Delivered Duty Paid) – Consignee Location basis;
 - (ii) the price of related services as specified in Section V - Schedule of Requirements;
 - (iii) Goods and Services Tax (GST) payable on the Goods and related services if the contract is awarded

15. Bid Currency

- 15.1 The bidder should submit its quote in Indian Rupees only.
- 15.2 Bids, where prices are quoted in any other currency shall be treated as non-responsive and rejected.

16. Documents establishing the compliance of Goods

- 16.1 To establish the conformity of the Goods to the Bidding Documents, the Bidder shall furnish as part of its Bid, **Technical Compliance Sheet** as per Form provided in **Section VI: Bidding Forms** and the documentary evidence that the Goods conform to the technical specifications and standards specified in **Section V - Schedule of Requirements**.
- 16.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods, demonstrating substantial responsiveness of the Goods to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the **Section V - Schedule of Requirements**.

- 16.3 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Schedule of Requirements, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Section V - Schedule of Requirements.

17. Documents establishing the eligibility and Qualification of the Bidder

- 17.1 To establish Bidder's their eligibility in accordance with ITB Para 5, Bidders shall complete the Letter of Technical Bid, included in **Section VI - Bidding Forms**.
- 17.2 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction that the Bidder meets each of the qualification criterion specified in **Section IV - Qualification and Evaluation Criteria**.

18. Period of validity of Bids

- 18.1 Bids shall remain valid for the period **specified in the BDS** after the bid submission deadline date prescribed by the Purchaser in accordance with ITB Para 22.1. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.
- 18.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its bid.
- 18.3 The Bidder who agree to the extension of the period of validity of bids so requested by the Purchaser shall also extend the period of validity of bid securities submitted by them or submit new bid security to cover the extended period of validity of their bids. A bidder whose bid security is not extended or new bid securities not submitted shall be considered to have refused the request to extend the period of validity of its bids and rejected as non-responsive. The decision of Purchaser will be final and binding in this regard.

19. Bid Security

- 19.1 The Bidder shall furnish as part of its bid, a bid security in the amount as **specified in Section V - Schedule of Requirements**.
- 19.2 The Bidders who are currently registered with the following, for the specific Goods as required in Section V - Schedule of Requirements, shall be eligible for exemption from submission of Bid Security, provided they submit a self-attested copy of valid registration / recognition certificate issued in their name by:
- i) District Industries & Commerce Centre (DI&CC) from any State/UT Govt. in India; or
 - ii) National Small Industries Corporation (NSIC), New Delhi; or
 - iii) Any other entity providing such certificates as notified by Govt. of India, State / UT Government.

- 19.3 The bid security shall be in any of the following forms at the Bidder's option:
- a) Fixed Deposit Receipt (FDR) or Term Deposit Receipt (TDR) issued by Scheduled Bank in India; or
 - b) Demand Draft or Banker's Cheque
 - c) Bank Guarantee issued by a Scheduled Bank in India; or
 - d) Deposit through Digital mode **as specified in the BDS**; or
 - e) Any other form **as specified in the BDS**
- 19.4 In case, bid security is submitted in form of Bank Guarantee, it should be submitted either using the form provided in Section VI - Bidding Forms. The Bank Guarantee submitted as Bid Security shall be verified and confirmed from the competent authority of the concerning issuing Bank.
- 19.5 The Bid Security must remain valid for forty-five (45) days beyond the original or extended validity period of the bid.
- 19.6 Any bid not accompanied by a Bid Security as specified in ITB Para 19.1, in the form provided in ITB Para 19.3 and valid as per ITB Para 19.5 shall be rejected by the Purchaser as non-responsive.
- 19.7 The Bid Security of unsuccessful bidder shall be released within 5 working days after signing of Agreement and deposit of performance security by the successful bidder.
- 19.8 The Bid Security of successful Bidders shall be released within 5 working days upon the successful Bidder's signing the contract and furnishing the Performance Security pursuant to ITB Para 39.
- 19.9 In case Purchaser decides to cancel the procurement process, it shall return the bid security of all bidders after the decision to cancel procurement process.
- 19.10 The Bid Security of the bidder, who withdraws its bid prior to deadline for submission of bids, in case bid withdrawal is permitted, shall be returned after the opening of the bids.
- 19.11 The Bid Security deposited by a Bidder shall be forfeited in the following cases:
- (a) when the bidder withdraws or modifies its bid after opening of bids;
 - (b) when the bidder does not deposit the required performance security within the specified period; and
 - (c) if the bidder breaches any provisions of Code of Integrity prescribed for bidders as per ITB Para 3.

20. Format and Signing of Bids

- 20.1 The Bidder shall prepare and submit one original set of Technical Bid and clearly mark it as "Technical Bid - ORIGINAL" along with such number of additional copies thereof **as specified in the BDS**, marking these additional copies as "Technical Bid - COPY" clearly. In the event of any discrepancy between the original bid and its copies, the contents of the original bid marked "ORIGINAL" shall prevail and be taken into account. The bidder shall prepare and submit **only one original set of Financial Bid** and clearly mark it as "Financial Bid – ORIGINAL".

- 20.2 The original and all additional copies of the Technical Bid and original of the Financial Bid shall be typed or written in ink with all pages serially numbered and signed by the bidder or a person duly authorized to sign on behalf of the bidder in token of acceptance of the terms and conditions of the Bidding Documents. This authorization shall consist of a written confirmation **as specified in the BDS** which shall be attached to the Bid.
- 20.3 Any corrections in the bid such as interlineations, erasures, or overwriting shall be valid only if they are duly signed or initialled by the person signing the bid.

D. SUBMISSION AND OPENING OF BIDS

21. Sealing, Marking and Submission of Bids

- 21.1 Bidders may submit their bids by post or by hand or drop in the box earmarked by the Purchaser. Bids so submitted shall enclose the original and each copy of the Technical Bid in separately sealed envelopes duly marked as "ORIGINAL" and "COPY" and original of Financial Bid duly marked as "ORIGINAL" in separately sealed envelope. The envelopes containing the original and the copies of Technical Bid and original of Financial Bid shall then be enclosed in one single sealed outer envelope.
- 21.2 The inner and outer envelopes shall bar the:
- a) name and complete address along with the mobile, telephone number and email address of the Bidder;
 - b) complete postal address of the Purchaser;
 - c) specific identification mark / Bid Ref. No. and subject matter of procurement;
 - d) a warning 'not to open before the time and date for bid opening' as indicated in the Bidding Documents
- 21.3 If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility about its consequences viz. misplacement or premature opening of the bid

22. Deadline for Submission of Bids

- 22.1 Bids must be received by the Purchaser at the address and no later than the date and time **specified in the BDS**.
- 22.2 The date of submission and opening of bids shall not be extended except when –
- a) sufficient number of bids have not been received within the given time and the Purchaser is of the opinion that further bids are likely to be submitted if time is extended; or
 - b) the Bidding Documents are required to be substantially modified as a result of discussions in pre-bid meeting or otherwise and the time for preparations of bids by the prospective bidders appears to be insufficient for which such extension is required.
- 22.3 In cases where the time and date of submission of bids is extended, an amendment to the Bidding Documents shall be issued in accordance with ITB Para 10, in which case all rights

and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline extended

- 22.4 If the due date for submission of bids is not a working day, the bids shall be received and opened at the same time and hour on the next working day.

23. Late Bids

- 23.1 The Purchaser's officer authorized to receive the bids shall not receive any bid that is submitted personally by hand after the time and date fixed for submission of bids under any circumstances.

- 23.2 Any bid which arrives by post after the deadline for submission of bids shall be declared and marked as "Late" and returned unopened to the bidder by registered post.

24. Withdrawal, Substitution and Modification of Bids

- 24.1 A bidder may withdraw, substitute, or modify its bid after it has been submitted by sending a written notice, duly signed by the bidder or his representative authorised in writing and such letter of authority shall be enclosed with the bid. The corresponding substitution or modification of the bid contained in sealed envelopes as required must accompany the written notice. Such written notice shall be –

- a) submitted in accordance with the Bidding Documents with the envelope clearly marked as "Withdrawal – Technical Bid / Financial Bid," "Substitution – Technical Bid / Financial Bid," or "Modification – Technical Bid/ Financial Bid" as applicable, and
- b) received by the officer authorised to receive the bids or directly dropped in the bid box prior to the last time and date fixed for receiving of bids.

- 24.2 Bids requested to be withdrawn shall be returned unopened to the bidders.

- 24.3 No bid shall be withdrawn, substituted, or modified after the time and date fixed for receipt of bids as specified in the BDS.

25. Opening of Bids

- 25.1 The sealed bid box shall be opened by the Bid Opening Committee constituted by the Purchaser at the time, date and place **as specified in the BDS** in the presence of the Bidders' authorized representatives who choose to be present, enabling them to watch the proceedings.

- 25.2 The Purchaser's officer authorized to receive bids shall also handover all the bids received by him up to the time and date for submission of bids to the convener of the Bid Opening Committee and obtain the signature of the convener of the Committee in the bids receipt register.

- 25.3 Each bid received shall be opened by the Bid Opening Committee in the presence of the bidders or their authorised representatives who choose to be present. All envelopes containing bids shall be signed, indicating date and time, by the members of the Committee in token of verification of the fact that they are sealed. The envelopes shall be numbered

as "a/n", where 'a' denotes the serial number at which the bid envelop has been taken for opening and 'n' denotes the total number of bids received by the specified time;

- 25.4 The Bid Opening Committee shall prepare a list of bidders or their representatives attending the opening of bids and obtain their signatures on the same. The list shall also contain the name, e-mail and mobile telephone number of the representatives and the corresponding names and addresses of the bidders they represent. The authority letters brought by the representatives shall be attached to the list. The list shall be signed by all members of Bid Opening Committee indicating the date and time of opening of the bids.
- 25.5 At first, envelopes marked "WITHDRAWAL - Technical Bid" shall be opened, read out, and recorded and the envelope containing the corresponding bid shall not be opened, but returned to the concerned bidders. No bid shall be permitted to be withdrawn unless the corresponding withdrawal notice contains a valid authorisation to request the withdrawal which shall also be read out and recorded. If the withdrawal notice is not accompanied by the valid authorisation, the withdrawal shall not be permitted and the corresponding bid shall be opened.
- 25.6 Next, envelopes marked as "SUBSTITUTION – Technical Bid" shall be opened, read out, recorded and exchanged for the corresponding bid being substituted and the substituted bid shall not be opened, but returned to the bidder. No bid shall be substituted unless the corresponding substitution notice contains a valid authorisation to request the substitution which shall also be read out and recorded. Thereafter, envelopes marked as "MODIFICATION – Technical Bid" shall be opened, read out and recorded with the corresponding bid. No bid shall be modified unless the corresponding modification notice contains a valid authorisation to request the modification which shall be read out and recorded.
- 25.7 All other envelopes containing Technical Bids shall be opened one at a time and the following details shall be read out and recorded-
- (a) The name of the bidder and whether there is a substitution or modification;
 - (b) the bid security deposited; and
 - (c) any other details as the Committee may consider appropriate.
- 25.8 After all the Technical Bids have been opened, these shall be initialled and dated on the first page of each bid by the members of the Bid Opening Committee. The original and additional copies of the bid shall be marked accordingly. Alterations, corrections, additions, overwriting shall be initialled legibly to make it clear that such alterations, corrections, additions, overwriting existed in the bid at the time of opening.
- 25.9 No bid shall be rejected at the time of bid opening except the late bids.
- 25.10 The Bid Opening Committee shall prepare a record of the proceedings of the technical bid opening that shall include the name of the bidders and whether there is a withdrawal, substitution, or modification, and alternative offers if they were permitted, and bid security. The bidders or their representatives, who are present, shall sign the record. The omission of a bidder's signature on the record shall not invalidate the contents and effect of the record. The members of the Committee shall also sign the record noting the date;
- 25.11 The time and date of opening of Financial Bids (including its modification and substitution, if any) shall be informed to Bidders assessed qualified during technical evaluation of bids

E. EVALUATION AND COMPARISON OF BIDS

26. Confidentiality

- 26.1 Information relating to the evaluation of bids and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with the bidding process until information on Contract Award is communicated to all Bidders
- 26.2 Any effort by a Bidder to influence the Purchaser in the evaluation or contract award decisions may result in the rejection of its Bid.
- 26.3 Notwithstanding ITB Para 26.2, from the time of bid opening to the time of Contract Award, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, it should do so in writing.

27. Preliminary Examination of Bids

- 27.1 The Bid Evaluation Committee constituted by the Purchaser shall conduct a preliminary scrutiny of the opened bids at the beginning to assess the prima-facie responsiveness and record its findings thereof particularly in respect of the following:
 - (a) that the bid is signed, as per the requirements listed in the Bidding Documents;
 - (b) that the bid has been sealed as per instructions in the Bidding Documents;
 - (c) the bid is valid for the period, specified in the Bidding Documents;
 - (d) that the bid is accompanied by due Bid Security;
 - (e) that the bid is unconditional and that the bidder has agreed to give the required performance security; and
 - (f) whether any other conditions specified in the Bidding Documents are fulfilled.

28. Clarification of Bids

- 28.1 To assist in the examination, evaluation, comparison and qualification of the bids, the Bid Evaluation Committee may, at its discretion, ask any bidder in writing for clarification by a specific date regarding its bid specifically therein that if the bidder does not comply or respond by that date his bid shall be liable to be rejected. The request of the Committee for clarification and the response of the bidder thereto shall be in writing. Depending on the outcome, such bids shall be ignored or considered further;
- 28.2 Any clarification submitted by a bidder with regard to his bid that is not in response to a request by the Committee specifically shall not be considered;
- 28.3 No change in the prices or substance of the bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Committee in the evaluation of the financial bids;
- 28.4 No substantive change to qualification information or to a submission, including changes aimed at making an unqualified bidder, qualified or an unresponsive submission, responsive shall be sought, offered or permitted under any circumstances;
- 28.5 All communication generated as above shall be included in the record of the procurement proceedings.

29. Immaterial Non-conformities in Bids

- 29.1 The Bid Evaluation Committee may waive non-conformities in the bid that do not constitute a material deviation, reservation or omission and deem the bid to be responsive;
- 29.2 The Bid Evaluation Committee may request the bidder to submit necessary information or documents which are historical in nature like audited statements of accounts, GSTIN Registration Certificate, etc. within a reasonable period of time. Failure of the bidder to comply with the request within the given time shall result in the rejection of its bid;
- 29.3 The Bid Evaluation Committee may rectify immaterial non-conformities or omissions on the basis of the information or documentation received from the bidder under ITB Para 29.2.

30. Determination of Technical Responsiveness

- 30.1 The Bid Evaluation Committee constituted by the Purchaser shall determine the responsiveness of a bid to the Bidding Documents based on the contents of the bid submitted by the Bidder;
- 30.2 A bid shall be deemed to be substantially responsive if it meets the requirements of the Bidding Documents without any material deviation, reservation, or omission where: -
 - (a) "deviation" is a departure from the requirements specified in the Bidding Documents;
 - (b) "reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Documents; and
 - (c) "omission" is the failure to submit part or all of the information or documentation required in the bidding documents.
- 30.3 A "material deviation, reservation, or omission" is one that,
 - (a) If accepted, shall:-
 - (i) effect in any substantial way the scope, quality, or performance of the subject matter of procurement specified in the Bidding Documents; or
 - (ii) limit in any substantial way, inconsistent with the Bidding Documents, the rights of the Purchaser or the obligation of the Bidder under the proposed contract; or
 - (b) if rectified shall unfairly affect the competitive position of other Bidders presenting responsive bids;
- 30.4 The Bid Evaluation Committee shall examine the technical aspects of the bid in particular to confirm that all requirements of Bidding Documents have been met without any material deviation, reservation or omission;
- 30.5 The Bid Evaluation Committee shall regard a bid as responsive if it conforms to all requirements set out in the Bidding Documents, or contains minor deviations that do not materially alter or depart from the characteristics, terms, conditions and other requirements set out in the Bidding Documents, that is, there is no material deviation, or if it contains errors or oversights that can be corrected without any change in the substance of the bid;
- 30.6 Bids that are not responsive or contain any material deviation shall be rejected. Bids declared as non-responsive shall be excluded from any further evaluation.

31. Nonconformities, Errors and Omissions

- 31.1 Provided that a Bid is substantially responsive, the Bid Evaluation Committee may waive any nonconformities in the Bid.
- 31.2 Provided that a bid is substantially responsive, the Purchaser or authorised representative may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
- 31.3 Provided that a bid is substantially responsive, the Bid Evaluation Committee shall rectify quantifiable nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component.

32. Qualification of the Bidder

- 32.1 The Purchaser shall determine to its satisfaction whether the Bidder meets the qualifying criteria **specified in Section IV - Evaluation and Qualification Criteria**
- 32.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Para 17
- 32.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Purchaser/ Evaluation Committee shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's qualifications to perform satisfactorily.

33. Financial Evaluation and Comparison of Bids

- 33.1 In order to evaluate Financial Bids, the Purchaser shall consider the following:
- (a) evaluation will be done for Items or Schedules / Lots (contracts), as **specified in the BDS**; and the Bid Price as quoted in accordance with ITB Para 14.
 - (b) price adjustment for correction of arithmetic errors in accordance with ITB 34
 - (c) price adjustment due to quantifiable nonmaterial nonconformities in accordance with ITB 31
 - (d) the additional evaluation factors are specified in **Section IV: Evaluation and Qualification Criteria**
- 33.2 The Purchaser shall compare the evaluated prices of all substantially responsive bids established in accordance with ITB 33 to determine the lowest evaluated bid. The comparison shall be on the basis of DDP (place of final destination) prices, together with prices for any required installation, training, commissioning and other services. The evaluation of a bid will exclude and not take into account IGST / SGST / CGST payable on the Goods and related services if the contract is awarded to the Bidder.

- 33.3 If Bidders are allowed to quote separate prices for different Schedules / Lots (contracts), the methodology to determine the lowest evaluated price of the Schedule / Lot (contract) combinations, including any discounts offered in the Letter of Financial Bid Form as specified in BDS and in **Section IV - Evaluation and Qualification Criteria**

34. Correction of Arithmetical Errors

- 34.1 Provided that the Bid is substantially responsive, the Bid Evaluation Committee shall correct arithmetical errors in the following cases, namely:
- (a) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Committee there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
 - (b) if there is an error in a calculation of the total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
- 34.2 If the price bid is ambiguous leading to two equally valid total price amounts, the bid shall be treated as non-responsive and rejected.
- 34.3 Bidders shall be requested to accept correction of arithmetical errors. Failure to accept the correction in accordance with ITB Para 34.1, shall result in the rejection of the Bid.

35. Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids

- 35.1 The Employer reserves the right to accept or reject any bid, and to cancel / annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the Bidders for which the Purchaser shall keep record of clear and logical reasons properly for any such action / recall of bidding process. In case of cancellation / annulment, all bids submitted and specifically, bid securities, shall be promptly returned to the Bidders

F. AWARD OF CONTRACT

36. Award Criteria

- 36.1 The Purchaser shall award the Contract to the Bidder whose bid has been accepted after evaluation of bids.
- 36.2 The contract shall not be awarded to more than one bidder by splitting the quantity as given in Schedule of Requirements.

37. Purchaser's Right to vary Quantities at the time of Award

- 37.1 At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section IV, Schedule of Requirements, provided this does not exceed the percentages **specified in the BDS**, and without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.

38. Notification of Award

- 38.1 Prior to the expiration of the period of bid validity, the Purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted. The notification letter (hereinafter and in the Conditions of Contract and Contract Forms called the "Letter of Acceptance") shall specify the sum that the Purchaser will pay the Supplier in consideration of the supply of Goods (hereinafter and in the Conditions of Contract and Contract Forms called "the Contract Price").
- 38.2 Until a formal Contract is prepared and executed, the Letter of Acceptance shall constitute a binding Contract.
- 38.3 The Purchaser shall promptly respond in writing to any unsuccessful Bidder who, after notification of award in accordance with ITB Para 38.1, requests in writing the grounds on which its bid was not selected.

39. Performance Security

- 39.1 Within twenty-eight (28) days of the receipt of Letter of Acceptance from the Purchaser, the successful Bidder, if required, shall furnish the Performance Security in accordance with the GCC, using the Performance Security Form included in **Section IX: Contract Forms**, or another Form acceptable to the Purchaser.
- 39.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose bid is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.
- 39.3 The validity of the performance security shall be for a period of 45 days beyond the date of completion of all contractual obligations.

40. Signing of Contract

- 40.1 Promptly after notification of Award, the Purchaser shall send the successful Bidder the Contract Agreement
- 40.2 Within twenty-eight (28) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Purchaser

Section III – Bid Data Sheet (BDS)

The following specific data for the goods and related services to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB

ITB Para Reference	Particulars
	A. General
ITB 1.1	<p>The reference number of the Notice Inviting Bids (NIB) is: SAMS/FIND/Proc./Equipment/ATI/5/2019</p> <p>The Purchaser is: Strategic Alliance Management Services Pvt. Limited (SAMS), B01-B03, Vardhman Diamond Plaza, Community Centre, D.B. Gupta Road, Paharganj, New Delhi – 110055 on behalf of Foundation for Innovative New Diagnostics (FIND), New Delhi</p>
ITB 7.2	http://www.samsconsult.com/FIND.aspx
	B. Bidding Documents
ITB 8.1	<p>The Purchaser's address for the purpose of any clarification is: Strategic Alliance Management Services Pvt. Limited (SAMS), B01-B03, Vardhman Diamond Plaza, Community Centre, D.B. Gupta Road, Paharganj, New Delhi – 110055</p> <p>E-mail: procurement@samsconsult.com</p> <p>Phone: +91-11-43580 626 / 627</p> <p>Requests for clarification should be received by the Purchaser no later than: 1700 Hrs. on 25/03/2019</p>
ITB 8.2	http://www.samsconsult.com/FIND.aspx
ITB 9.1	<p>Pre-Bid Meeting shall be scheduled: Yes</p> <p>The name of contact person, venue, time and date for pre-bid meeting are specified as under:</p> <p>Name of contact person: Mr. Dinesh Kumar, Procurement Officer</p> <p>Contact Details:</p> <p>Phone: 011-43580626/627 (Ext. 105), Mobile: 8800257774;</p> <p>e-mail: kumard@samsconsult.com</p> <p>Address of Venue: Strategic Alliance Management Services Pvt. Limited (SAMS), B01-B03, Vardhman Diamond Plaza, Community Centre, D.B. Gupta Road, Paharganj, New Delhi – 110055</p> <p>Time and Date: 1100 Hrs. on 26/03/2019</p>

ITB 10.2	http://www.samsconsult.com/FIND.aspx												
	C. Preparation of Bids												
ITB 11.1 (xii)	The Bidder shall submit the following additional documents in its Bid: None												
ITB 13.1	Alternative Bids shall not be considered.												
ITB 14.4	The price quoted by the bidder shall be fixed during the Bidder's performance of the Contract and shall not be subject to variation on any account, except for GST, payable on Goods and related services.												
ITB 18.1	The bid validity period shall be 120 days after the deadline for bid submission.												
ITB 19.3 (d)	<p>Bid Security deposit through digital mode is permitted. The Bank details are as under:</p> <table border="1"> <tr> <td>Name of Account Holder</td> <td>Strategic Alliance Management Services Pvt. Ltd.</td> </tr> <tr> <td>Bank's Name and address</td> <td>HDFC Bank Ltd Shop No. AG 1 to AG 8, AG 20 to AG 21, Plot No. 2, Community Centre, Paharganj, New Delhi – 110055</td> </tr> <tr> <td>A/c No</td> <td>50200004088464</td> </tr> <tr> <td>MICR Code</td> <td>110240070</td> </tr> <tr> <td>IFSC/NEFT/RTGS CODE</td> <td>HDFC0000457</td> </tr> <tr> <td>SWIFT CODE</td> <td>HDFCINDEL</td> </tr> </table>	Name of Account Holder	Strategic Alliance Management Services Pvt. Ltd.	Bank's Name and address	HDFC Bank Ltd Shop No. AG 1 to AG 8, AG 20 to AG 21, Plot No. 2, Community Centre, Paharganj, New Delhi – 110055	A/c No	50200004088464	MICR Code	110240070	IFSC/NEFT/RTGS CODE	HDFC0000457	SWIFT CODE	HDFCINDEL
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A/c No	50200004088464												
MICR Code	110240070												
IFSC/NEFT/RTGS CODE	HDFC0000457												
SWIFT CODE	HDFCINDEL												
ITB 19.3 (e)	Other acceptable forms of Bid Security: NA												
ITB 20.1	In addition to the original of the Bid, the number of copies is: 1 (one)												
ITB 20.2	<p>The written confirmation of authorization to sign on behalf of the Bidder shall consist of:</p> <ol style="list-style-type: none"> (1) Copy of Resolution of Board of Directors (2) Authorization Letter issued by Competent authorized on bidder firms letter head / official stationary (3) Notarized affidavit 												
	D. Submission and Opening of Bids												
ITB 22.1	<p>Purchaser's address for bid submission is: Strategic Alliance Management Services Pvt. Limited (SAMS), B01-B03, Vardhman Diamond Plaza, Community Centre, D.B. Gupta Road, Paharganj, New Delhi – 110055</p> <p>The deadline for Bid Submission is: 1400 Hrs. on 11/04/2019</p>												

ITB 25.1	<p>The bid opening shall take place at <i>Strategic Alliance Management Services Pvt. Limited (SAMS), B01-B03, Vardhman Diamond Plaza, Community Centre, D.B. Gupta Road, Paharganj, New Delhi – 110055</i></p> <p>The date and time for Bid opening is: 1430 Hrs. on 11/04/2019</p>
E. Evaluation and Comparison of Bids	
ITB 33.1 (a)	Bids will be evaluated for each Item / Schedule separately
ITB 37.1	The maximum percentage by which quantities may vary is: ±25% (Twenty Five percent)

Section IV – Evaluation and Qualification Criteria

This Section contains all the criteria that the Purchaser shall use to evaluate a bid and qualify the Bidders in accordance with ITB 30 and 32 no other factors, methods or criteria shall be used.

1. Evaluation (ITB 32)

1.1. Evaluation Criteria {ITB 33.1 (e)}

The Purchaser shall use the criteria and methodologies listed in this Section to evaluate Bids. By applying the criteria and methodologies the Purchaser shall determine the Most Advantageous Bid. This is the Bid that meets the Qualification Criteria and has been determined to be:

- a) substantially responsive to the bidding document, and
- b) the lowest evaluated cost. with applicable warranty as specified in the section 3.A.Technical Specifications – General Requirements

The determination of bidder quoting lowest evaluated cost shall be based on the comparison of evaluated bid price carried out on “Delivered Duty Paid (DDP) consignee site basis”, and cost of related services quoted by substantially responsive bidders.

Cost of CMC for 2 years after expiry of warranty period: *such annual prices will also be added for comparison/ranking purpose for evaluation, wherever required.*

The Purchaser’s evaluation of a Bid to determine lowest evaluated bidder may take into account, in addition to the Bid Price quoted in accordance with ITB 14, using the following factors and methodologies.

1.2 Multiple Contracts (ITB 33.3)

If Bids are invited for individual Schedules or for any combination of Schedules, the contract will be awarded to the bidder or bidders offering a substantially responsive bid(s) and the lowest evaluated cost to the Purchaser for combined Schedules, subject to the selected bidder(s) meeting the required Qualification Criteria (this Section IV, Qualification Requirements) for a Schedule or combination of Schedules as the case may be.

2. Qualification of the Bidder (ITB 32)

2.1 Qualification Requirements (ITB 32.1)

The Purchaser shall carry out the qualification assessment of the Bidder in accordance with ITB 32, using only the requirements specified. Requirements not included in the text below shall not be used in the evaluation of the Bidder’s qualifications.

a) If the Bidder is a manufacturer:

i) Experience and Technical Capacity

- a) Bidder should be in continuous business of manufacturing / supplying the similar Goods as specified in the bid during last three years prior to bid opening and should have manufactured and supplied the similar Goods to the extent of at least 80% of the quantity to be procured under this Bid, during last three years preceding the date of opening of bids

ii) Documentary Evidence

The Bidder shall furnish the following documentary evidence to demonstrate that it fulfills the experience and technical capacity, as above:

- a) Details of past experience in support of qualification requirement given in para a).i.a), including past performance of the Goods offered and on those of similar nature within the past three years, details of current contracts in hand and other commitments (as per form given in **Section VI, Bidding Forms- Performance Statement Form**).
- b) Furnish at least 2 or more documentary evidence (**Client's certificate**) in support of the satisfactory execution including timely supply by the Bidder during last three years. Purchaser may seek feedback from Clients on satisfactory supply of the goods supplied to them. In case, Purchaser gets two or more adverse feedback from existing end users, bids of those bidders will not be consider for further evaluation. In addition, the Purchaser may take technical feedback from Govt. facilities for the use of particular goods offered by the bidder.
- c) Brief write-up, backed with adequate data explaining the Bidder's available capacity and experience (both technical and commercial) for the manufacture and/or supply of the required Goods within the specified time of completion after the meeting of all of the Bidder's current commitments.
- d) Confirmation that all the facilities exist in the manufacturer's or bidder's warehouse for inspection and testing and these will be made available to Purchaser or his representative for inspection (documentary evidence to be submitted).

b) If Bidder is not manufacturer:

i) Experience and Technical Capacity

- a) If a Bidder is not a manufacturer, but is offering the Goods on behalf of the Manufacturer under Manufacturer's Authorization Form (Section VI, Bidding Forms), the Bidder shall demonstrate that it has supplied the similar Goods to the extent of at least **40% of the quantity** to be procured under this Bid, during last three years preceding the date of opening of bids.

ii) Documentary Evidence

The Bidder shall furnish the following documentary evidence to demonstrate that it fulfills the experience and technical capacity, as above:

- a) Details of past experience **of Bidder firm** in support of qualification requirement given in para b).i.b) (applicable for its manufacturer);
- b) Details of past experience **of manufacturer** in support of qualification requirement given in para b).i. a) (applicable for bidder); including past performance of the Goods offered and on those of similar nature within the past three years, details of current contracts in hand and

other commitments (as per form given in **Section VI, Bidding Forms- Performance Statement Form**).

- c) Furnish at least 2 or more documentary evidence (**Client's certificate**) in support of the satisfactory execution including timely supply by the Bidder during last three years. Purchaser may seek feedback from Clients on satisfactory supply of the goods supplied to them. In case, Purchaser gets two or more adverse feedback from existing end users, bids of those bidders will not be consider for further evaluation. In addition, the Purchaser may take technical feedback from Govt. facilities for the use of particular goods offered by the bidder.
- d) Brief write-up, backed with adequate data explaining the Bidder's available capacity and experience (both technical and commercial) for the manufacture and/or supply of the required Goods within the specified time of completion after the meeting of all of the Bidder's current commitments.
- e) Confirmation that all the facilities exist in the manufacturer's or bidder's warehouse for inspection and testing and these will be made available to Purchaser or his representative for inspection (documentary evidence to be submitted).

b) Technical demonstration of Goods / Equipment offered:

- i) Prior to contract award, the lowest evaluated substantially responsive Bidder may be requested to organize demonstration/ sample evaluation of the goods, for inspection of quality and its efficient operation and demonstration of performance parameters before Purchaser or its authorized team. In case, the goods does not perform satisfactorily and does not pass quality / performance test, the bid would be deemed to be non-responsive and Purchaser reserves the right to move to next lowest evaluated responsive bidder for such a technical demonstration of goods.
- ii) the bidder shall arrange for demonstration of offered goods at desired location intimated later by Purchaser, at own cost, either directly or through authorized Dealer /Distributors, as the case may be, for verification by the Purchaser, whether the goods offered meets the accuracy and other quality parameters as indicated in Technical Specifications at Section IV. The bidder should be prepared to do so by keeping one sample unit of the quoted goods ready at its disposal.

Section V – Schedule of Requirements

A. List of Goods and Equipment required and Bid Security:

Sch. No.	Description of Goods and Equipment	Lot-wise Quantity (Nos.)	Lot-wise Quantity (Nos.)	Total Quantity (Nos.)	Bid Security (In Rs.)
		Lot-1	Lot-2		
1	Biosafety cabinet Class II A2 with UPS	28	30	58	600,000
2	Refrigerator 300-450 lit	16	17	33	10,000
3	Refrigerator 165-200 lit	10	13	23	15,000
4	Laboratory Incubator (37° C)	19	20	39	250,000
5	Refrigerated centrifuge with UPS	20	20	40	500,000
6	Inspissator	19	19	38	500,000
7	Autoclaves: Horizontal (300-320 L)	5	7	12	150,000
8	Autoclaves: Horizontal (200-220 L)	2	1	3	35,000
9	Autoclaves: Vertical	20	19	39	125,000
10	Precision balance	10	10	20	45,000
11	Analytical Balance	10	10	20	50,000
12	Vortex	28	30	58	20,000
13	Electric Micro incinerator	26	29	55	90,000
14	UPS with batteries 3 KVA, half hour	13	10	23	35,000
15	Water Distillation plant	11	10	21	30,000
16	Water Bath	10	10	20	10,000
17	Hot Air Oven(For sterilization)-260liters	10	10	20	70,000
18	pH meter	12	10	22	45,000
19	Deep Freezer(-86° C)	10	10	20	250,000
20	Deep Freezer(-20° C)	10	10	20	60,000
21	Variable Volume Pipette (20-200 µl)	34	37	71	35,000
	Variable Volume Pipette (100-1000 µl)	34	37	71	
	Racks Suitable for pipettes offered, at least 4 positions	56	60	116	

B. List of Related Services:

Sch. No.	Description of Goods and Equipment	Lot-wise Quantity (Nos.)	Lot-wise Quantity (Nos.)	Total Quantity (Nos.)	CMC after expiry of warranty period		
		Lot-1	Lot-2		Type of Service	Year	Year
1	Biosafety cabinet Class II A2 with UPS	28	30	58	CMC	Year - 4	Year - 5
2	Refrigerator 300-450 lit	16	17	33	CMC	Year - 4	Year - 5
3	Refrigerator 165-200 lit	10	13	23	CMC	Year - 4	Year - 5
4	Laboratory Incubator (37° C)	19	20	39	CMC	Year - 4	Year - 5
5	Refrigerated centrifuge with UPS	20	20	40	CMC	Year - 4	Year - 5
6	Inspissator	19	19	38	CMC	Year - 4	Year - 5
7	Autoclaves: Horizontal (300-320L)	5	7	12	CMC	Year - 4	Year - 5
8	Autoclaves: Horizontal (200-220L)	2	1	3	CMC	Year - 4	Year - 5
9	Autoclaves: Vertical	20	19	39	CMC	Year - 4	Year - 5
10	Precision balance	10	10	20	-	-	-
11	Analytical Balance	10	10	20	-	-	-
12	Vortex	28	30	58	-	-	-
13	Electric Micro incinerator	26	29	55	CMC	Year - 4	Year - 5
14	UPS with batteries 3 kva, half hour	13	10	23	CMC	Year - 4	Year - 5
15	Water Distillation plant	11	10	21	CMC	Year - 4	Year - 5
16	Water Bath	10	10	20	CMC	Year - 4	Year - 5
17	Hot Air Oven(For sterilization)-260liters	10	10	20	CMC	Year - 4	Year - 5
18	pH meter	12	10	22	CMC	Year - 4	Year - 5
19	Deep Freezer(-86° C)	10	10	20	CMC	Year - 4	Year - 5
20	Deep Freezer(-20° C)	10	10	20	CMC	Year - 4	Year - 5
21	Variable Volume Pipette (20-200 µl)	34	37	71	-	-	-
	Variable Volume Pipette (100-1000 µl)	34	37	71	-	-	-
	Racks Suitable for pipettes offered, at least 4 positions	56	60	116	-	-	-

C. Consignee-wise Quantity Distribution:

Sch. No.	Description of Equipment	SP Medical College Bikaner	SVMC Tirupati	Aizawl, Mizoram	GMC Akola	MLNMC, Allahabad	STDC(IRL) Bhopal	Coimbatore Medical College	Murshidabad Medical College	PGIMS Rohtak	GGSMC, Faridkot	Total Quantity (Phase 1)	Pawapuri, Bihar	Site 2, Bihar	Raigarh, Chhattisgarh	Shillong, Meghalaya	Kohima, Nagaland	Burla, Odisha	Warangal, Telangana	Kanpur Nagar, UP	Jhansi, UP	Bankura, West Bengal	Total Quantity(Phase 2)	Final Quantity (Projection)	
		LOT-1											LOT-2												
1	Biosafety cabinet Class II A2 with UPS	3	3	2	3	2	3	3	3	3	3	28	3	3	3	3	3	3	3	4	3	2	3	30	58
2	Refrigerator 300-450 lit	2	2	1	2	1	1	2	1	2	2	16	2	2	1	2	2	1	2	1	2	2	2	17	33
3	Refrigerator 165-200 lit	1	1	1	1	1	1	1	1	1	1	10	1	1	1	3	1	1	2	1	1	1	1	13	23
4	Laboratory Incubator (37° C)	2	2	2	2	2	1	2	2	2	2	19	2	2	2	2	2	2	2	2	2	2	2	20	39
5	Refrigerated centrifuge with UPS	2	2	2	2	2	2	2	2	2	2	20	2	2	2	2	2	2	2	2	2	2	2	20	40
6	Inspissator	1	2	2	2	2	2	2	2	2	2	19	1	2	2	2	2	2	2	2	2	2	2	19	38
7	Autoclaves: Horizontal (300-320L)	0	0	0	1	1	1	0	0	1	1	5	1	0	1	0	1	1	1	0	1	1	1	7	12
8	Autoclaves: Horizontal (200-220L)	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	1	0	0	0	1	3	
9	Autoclaves: Vertical	3	3	3	2	2	1	2	1	1	2	20	2	2	2	3	2	1	2	2	2	2	1	19	39
10	Precision balance	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	1	1	1	1	1	1	1	10	20
11	Analytical Balance	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	1	1	1	1	1	1	1	10	20
12	Vortex	3	3	2	3	2	3	3	3	3	3	28	3	3	3	3	3	3	4	3	2	3	30	58	
13	Electric Micro incinerator	2	3	2	2	2	3	3	3	3	3	26	2	3	3	3	3	3	4	3	2	3	29	55	
14	UPS with batteries 3 kva, half hour	0	1	2	0	2	2	1	2	1	2	13	0	1	2	1	1	2	0	2	0	1	10	23	
15	Water Distillation plant	1	2	1	1	1	1	1	1	1	1	11	1	1	1	1	1	1	1	1	1	1	10	21	

Sch. No.	Description of Equipment	SP Medical College Bikaner	SVMC Tirupati	Aizawl, Mizoram	GMC Akola	MLNMC, Allahabad	STDC(IRL) Bhopal	Coimbatore Medical College	Murshidabad Medical College	PGIMS Rohtak	GGSMC, Faridkot	Total Quantity (Phase 1)	Pawapuri, Bihar	Site 2, Bihar	Raigarh, Chhattisgarh	Shillong, Meghalaya	Kohima, Nagaland	Burla, Odisha	Warangal, Telangana	Kanpur Nagar, UP	Jhansi, UP	Bankura, West Bengal	Total Quantity(Phase 2)	Final Quantity (Projection)	
		LOT-1											LOT-2												
16	Water Bath	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	1	1	1	1	1	1	1	10	20
17	Hot Air Oven(For sterilization)-260liters	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	1	1	1	1	1	1	1	10	20
18	pH meter	2	1	1	2	1	1	1	1	1	1	12	1	1	1	1	1	1	1	1	1	1	1	10	22
19	Deep Freezer(-86° C)	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	1	1	1	1	1	1	1	10	20
20	Deep Freezer(-20° C)	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	1	1	1	1	1	1	1	10	20
21	Variable Volume Pipette (20-200 µl)	4	3	3	4	3	3	3	3	4	4	34	4	4	3	4	4	3	4	3	4	4	37	71	
	Variable Volume Pipette (100-1000 µl)	4	3	3	4	3	3	3	3	4	4	34	4	4	3	4	4	3	4	3	4	4	37	71	
	Racks Suitable for pipettes offered, at least 4 positions	4	6	6	4	6	6	6	6	6	6	56	6	6	6	6	6	6	6	6	6	6	60	116	

D. Delivery & Completion Schedule:

Lot-1: Delivery to Consignees within 3 months from the date of issue of the Notification of Award (NOA) at the Consignee addresses given below.

Lot-2: Delivery to Consignees within from 10 to 12 Months from the date of issue of the Notification of Award (NOA) at the Consignee addresses given below.

E. Terms of Delivery

DDP final destination (including unloading and shifting of goods till the final place of destination i.e. lab room, store etc.) as per Consignee Distribution List

Lot 1:

Sl. No.	Name of the Site	Place / Floor (within consignee location) where equipment is to be delivered / installed
1	S.P Medical College, Bikaner	1st Floor
2	Aizawl, Mizoram	Underground first floor
3	GCMC, Coimbatore	2 nd Floor
4	GMC, Akola	2 nd Floor
5	MLNMC, Allahabad	Ground Floor
6	Murshidabad	7 th Floor
7	STDC Bhopal	Ground Floor
8	SVMC, Tirupati	1st Floor
9	PGIMS, Rohtak	2 nd Floor
10	GGSMC, Faridkot	2 nd Floor

F. Consignee Addresses:

Lot-1

No.	Address	consignee's representative	Tel / Mobile	Email	Alternate Staff Officer	Mobile	Alternate Staff Email
1	Sri Venkateswara Govt. Medical college (SVMC), Tirupati, Andhra Pradesh -517507	Dr. Ramanarah, Principal, Sri Venkateswara Govt. Medical college (SVMC), Tirupati, Andhra Pradesh	891932718 5 984990317 7	Principals vmcpt196 0@gmail.c om	Dr. Sreenivas Rao Professor & HOD Microbiology	0970414217 4	drchsrinivasa rao@gmail.c om
2	S.P Medical college & Associated Group of Hospitals, Bikaner-334003	Dr BP Sharma, Professor & Head of Department of Clinical Microbiology & Immunology	998249627 7 Tel: 0151- 2226334- 338 ,Extn.323,3 24,325	sharmami@rediffmail.com	Dr Geeta Tinna, Associate Prof Microbiology, Nodal Officer Dr BR Bishnoi (Asst. Prof) Lab In charge	9414528988 9413684655	geetavtinna@gmail.com drb.29e@gm ail.com

No.	Address	consignee's representative	Tel / Mobile	Email	Alternate Staff Officer	Mobile	Alternate Staff Email
3	Coimbatore Medical College Hospital, No.1619 A, Trichy Rd, Near. Railway Station, Coimbatore, Tamil Nadu 641018	Dr. B. Asokan, Dean	0422-2301393 Ext.6. Mob:9842245081.	deancmccbe@gmail.com	Dr. Mythili, HOD, Microbiology Dr. Malini, Asst. Prof. Dr. Sakthivel, DTO, Coimbatore.	HOD Mob: 9894722662 ; Asst. Prof:9442482890; DTO Mob: 9443369760	micro_cmccb e@gmail.com ; dtotncbe@rnt cp.org
4	STDC IRL-Bhopal, State TB Hospital Campus, Idgah Hills, Bhopal-462001 Bhopal. Madhya Pradesh.	Dr. Kaushal Kumar, Director STDC Bhopal	Mobile +91 9425677704	irlmpbpl@rntcp.org stdcmp@rntcp.org	Dr. Soumya Dhawan Dr. Sanjay Dawar	+91 9669531250 +91 9179140267	irlmpbpl@rntcp.org sowmyadhawan@gmail.com irlmpbpl@rntcp.org
5	Murshidabad Medical College and Hospital, Station Road, Berhampore – 742101 Murshidabad, West Bengal	Dr. (Prof.) Manju Banerjee, Principal, Murshidabad Medical College	9433006525 03482-200433	Principal.msdmch@gmail.com	Dr. Manash Sarkar. Prof. and HOD Microbiology, Murshidabad Medical College	9433396315	Manashsarkar98@yahoo.in
6	DR-TB Centre Falkawn, MIMER Medical College Campus, Aizawl, Mizoram – 796004	Dr. Lily Chhakchhuak, DTO Aizawl	9436140882	dtomzaz@rntcp.org	Dr. Zara, Medical Officer, State TB Cell, Mizoram	8575414006	stomz@rntcp.org
7	Government Medical College, Department of Microbiology, 2 nd Floor, Collector office road, Near Ashok watika, Akola-444001	Dr Rajesh Karyaskarte, DEAM, GMC, Akola	09922402502	karyakarte@hotmail.com	Dr Nitin Ambhore, Associate Professor. Microbiology, GMC, Akola Dr Rupali S. Mantri, Assistant Professor, Microbiology, GMC-Akola	9822698540/9850621354 9822500958	naambhore@rediffmail.com r.mantri@rediffmail.com
8	Moti Lal Nehru Medical College (MLNMC), Allahabad-211001	Dr.(Prof.) S. P. Singh, Principal, MLNMC, Allahabad.	0532-2256507	mlnmc1961@gmail.com	Dr Reena Sachan, Lecturer, Dept. Of Microbiology Dr.Arindam Chakraborty, Lecturer, Incharge, Deptt. Of Microbiology	9721410660 7408881369	drreena126@gmail.com arins133@gmail.com
9	Pandit B D Sharma Post Graduate Institute of Medical Sciences (PGIMS) Rohtak, Haryana – 124001	Dr Aparna, Professor Microbiology, Pandit B D Sharma PGIMS Rohtak, Department of Microbiology, 2nd Floor	9896354269	Aparnaparmar2008@rediffmail.com	Dr Ashima Katyal Senior Resident, Microbiology, Pandit B D Sharma PGIMS Rohtak	9466676878	docak07@gmail.com
10	Guru Gobind Singh Medical College, Sadiq road, Faridkot Punjab-151204	Dr. Neerja Jindal, Professor & Head, Microbiology Department,	9417691818	idspmcfari.dkot@yahoo.com neerjaraje	Dr. Shilpa Arora, Assistant Professor Department of Microbiology Dr. Vishal Sharma,	9988885091 9501323322	s.arora49@yahoo.com vsgmcs@gmail.com

No.	Address	consignee's representative	Tel / Mobile	Email	Alternate Staff Officer	Mobile	Alternate Staff Email
		GGSMC Faridkot, 2nd Floor		nder@hotmail.com	Associate Professor, Department of Microbiology		ail.com

Lot-2¹

Sl. No.	Address	consignee's representative	Tel / Mobile	Email	Alternate Staff Officer	Mobile	Alternate Staff Email
1	Bankura, West Bengal						
2	Kanpur Nagar, Uttar Pradesh						
3	Warangal, Telangana						
4	Burla, Odisha						
5	Kohima, Nagaland						
6	Shillong, Meghalaya						
7	Raigarh, Chhattisgarh						
8	Jhansi, Uttar Pradesh						
9	Site 1, Bihar						
10	Site 2, Bihar						

¹ The consignee locations are indicative. Actual location shall be provided at the time of issue of Notification of Award (NOA).

3. Technical Specifications

A. Technical Specifications – General Requirements

1. **Pre-requisite for equipment installation:** The pre-requisites for installation of equipment should be clearly defined in the technical proposal by bidder and the cost for pre-requisite for installation should be borne by bidder. Before proceeding for installation, bidder to confirm that pre-requisite for installation are completed on site
2. **Installation of Equipment:** Selected/Awarded bidder has to install the delivered equipment by certified or qualified personnel. Bidder to perform IQ, OQ and PQ for equipment as per Manufacturer Protocols. Bidder to provide user training to end user during installation.
3. **Service/Maintenance:** The supplier shall have a functioning after-sale-service in India covering the whole country, including adequate infrastructure, competent and adequately staffed technical personnel with adequately provisioned spare part store allowing responding to any complaints and to repair within 7 days /replace the unit within 14 days of receipt of complaint.
4. **Comprehensive Warranty Period & CMC Services:**

Equipment Name	Biological Safety Cabinet Class IIA2 with thimble /canopy connection and with UPS
Comprehensive Warranty Period	3 years, Warranty period starts from successful installation and validation at site
Services under Comprehensive Warranty	<ul style="list-style-type: none"> Besides activities mentioned in Comprehensive Maintenance Services it includes replacements of part, consumables etc. during the warranty period Calibration /Validation to be done annually during three year of warranty period for parameters [Air velocity, Particle count test, Filter integrity (PAO) with traceable to National (NABL) /International Standards and if any other test specified by manufacturer. All the test to be perform as per manufacturer's instructions/protocol.
Comprehensive Maintenance services	<p>It includes following during warranty and CMC Period:</p> <ul style="list-style-type: none"> Breakdown calls to be attended as and when required Preventive Maintenance to be carried out annually Annual Validation to be carried out Validation should be done for BSC; <ol style="list-style-type: none"> 1. At initial installation: on site, prior to initial use 2. Annually in warranty period 3. After replacing filter/blower or any major repair/replacement work 4. After moving the cabinet <p>The bidder should submit price list of parts / consumables (as applicable), which are not covered under standard definition of CMC.</p>
CMC Period:	2 years after comprehensive warranty period

Equipment Name	Biological Safety Cabinet Class IIA2 with thimble /canopy connection and with UPS
Additional Requirement for installation of BSC	<p>Providing Technical Assistance for Successful Installation: The ducting work for BSCs at all sites shall be done by separate agency hired for upgradation of TB Containment Lab. However, bidder shall provide necessary technical support for successful installations, testing and commissioning of these units respective of the fact that ducting will be done by another agency.</p> <p>Unit rate for BSC with ducting length of 20 feet along with accessories to be provided in the financial proposal of the bid.</p>

Equipment Name	1. Refrigerator 300-450 L 2. Refrigerator 165-200L
Comprehensive Warranty Period	3 Years, Warranty period starts from installation of equipment at site.
Services under Comprehensive Warranty	Besides activities mentioned in Comprehensive Maintenance Services it includes replacements of part, consumables etc. during the warranty period
Comprehensive Maintenance services	<p>It includes following during warranty & CMC period:</p> <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • The bidder should submit price list of parts / consumables (as applicable), which are not covered under standard definition of CMC.
CMC Period:	2 years after comprehensive warranty period

Equipment Name	Laboratory Incubator (37°C)
Comprehensive Warranty Period	3 Years, Warranty period starts from installation and successful calibration/validation of equipment at site.
Services under Comprehensive Warranty	Besides activities mentioned in Comprehensive Maintenance Services it includes replacements of part, consumables etc. during the warranty period
Comprehensive Maintenance Services	<p>It includes following during warranty & CMC Period:</p> <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out annually. • Calibration to be done annually during the warranty period and CMC period for parameters(Temperature with traceable to National (NABL) /International Standards)as per manufacturer's instructions/protocol and in case of any major repair/replacement of spare part. <p>The bidder should submit price list of parts / consumables (as applicable), which are not covered under standard definition of CMC.</p>
CMC Period:	2 years after comprehensive warranty period

Equipment Name	Refrigerated centrifuge with UPS
Comprehensive Warranty Period	3 years, Warranty period starts from installation and successful calibration of equipment at site.
Services under Comprehensive Warranty	Besides activities mentioned in Comprehensive Maintenance Services it includes replacements of part, consumables etc. during the warranty period
Comprehensive Maintenance Services	It includes following during warranty & :CMC Period: <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out on six monthly basis. • Calibration to be carried out on six monthly basis during warranty & CMC Period for parameters (Speed, Temperature & Time with traceable to National (NABL) /International Standards)and in case of any major repair/replacement of spare part. <ul style="list-style-type: none"> • The bidder should submit price list of parts / consumables (as applicable), which are not covered under standard definition of CMC.
CMC Period:	2 years after comprehensive warranty period

Equipment Name	Inspissator
Comprehensive Warranty Period	3 years, Warranty period starts from installation and successful calibration/validation of equipment at site.
Services under Comprehensive Warranty	Besides activities mentioned in Comprehensive Maintenance Services it includes replacements of part, consumables etc. during the warranty period
Comprehensive Maintenance Services	It includes following during warranty & CMC Period: <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out annually. • Calibration to be done annually during warranty & CMC period for parameters (Temperature with traceable to National (NABL) /International Standards)as per manufacturer's instructions/protocol and in case of any major repair/replacement of spare part. <ul style="list-style-type: none"> • The bidder should submit price list of parts / consumables (as applicable), which are not covered under standard definition of CMC.
CMC Period:	2 years after comprehensive warranty period

Equipment Name	Autoclave (Horizontal & Vertical)
Comprehensive Warranty Period	3 years, Warranty period starts from installation and successful calibration/validation of equipment at site.
Services under Comprehensive Warranty	Besides activities mentioned in Comprehensive Maintenance Services it includes replacements of part, consumables etc. during the warranty period
Comprehensive Maintenance Services	<p>It includes following during warranty & CMC Period</p> <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out annually. • Calibration to be done annually during warranty & CMC period for parameters (Temperature & Pressure with traceable to National (NABL) /International Standards) as per manufacturer's instructions/protocol and in case of any major repair/replacement of spare part. <ul style="list-style-type: none"> • The bidder should submit price list of parts / consumables (as applicable), which are not covered under standard definition of CMC.
CMC Period:	2 years after comprehensive warranty period

Equipment Name	Precision Balance
Comprehensive Warranty Period	5 years, Warranty period starts from installation and successful calibration/validation of equipment at site.
Services under Comprehensive Warranty	<p>It includes following during warranty:</p> <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out annually. • Calibration to be done annually during five year of warranty period for parameters (Accuracy, precision & Linearity with traceable to National (NABL)/ International Standards) as per manufacturer's instructions/protocol and in case of any major repair/replacement of spare part. <p>It also includes replacements of part, consumables etc. during the warranty period</p>

Equipment Name	Analytical Balance
Comprehensive Warranty Period	5 years, Warranty period starts from installation and successful calibration/validation of equipment at site.
Services under Comprehensive Warranty	<p>It includes following during warranty:</p> <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out annually. • Calibration to be done annually during five of warranty period for parameters (Accuracy, precision & Linearity with traceable to National (NABL)/ International Standards) as per manufacturer's instructions/protocol and in case of any major repair/replacement of spare part. <p>It also includes replacements of part, consumables etc. during the warranty period</p>

Equipment Name	Vortex
Comprehensive Warranty Period	3 years, Warranty period starts from successful installation at site
Services under Comprehensive Warranty	<p>It includes following during warranty:</p> <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out annually <p>It also includes replacements of part, consumables etc. during the warranty period</p>

Equipment Name	Electric Micro incinerator
Comprehensive Warranty Period	3 years, Warranty period starts from installation and successful calibration/validation of equipment at site.
Services under Comprehensive Warranty	Besides activities mentioned in Comprehensive Maintenance Services it includes replacements of part, consumables etc. during the warranty period
Comprehensive Maintenance Services	<p>It includes following during warranty & CMC period:</p> <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out annually. • Calibration to be done annually during the warranty & CMC period for parameters(Temperature with traceable to National (NABL)/ International Standards) as per manufacturer's instructions/protocol and in case of any major repair/replacement of spare part. <ul style="list-style-type: none"> • The bidder should submit price list of parts / consumables (as applicable), which are not covered under standard definition of CMC.
CMC Period:	2 years after comprehensive warranty period

Equipment Name	UPS 3 KVA with battery pack
Comprehensive Warranty Period	3 years on UPS with Battery pack, Warranty period starts from successful installation at site
Services under Comprehensive Warranty	Besides activities mentioned in Comprehensive Maintenance Services it includes replacements of part, consumables etc. during the warranty period
Comprehensive Maintenance Services	It includes following during warranty & CMC period: <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out annually. • The bidder should submit price list of parts / consumables (as applicable), which are not covered under standard definition of CMC.
CMC Period:	2 years after comprehensive warranty period

Equipment Name	Water Distillation Unit
Comprehensive Warranty Period	3 years, Warranty period starts from installation of equipment at site.
Services under Comprehensive Warranty	Besides activities mentioned in Comprehensive Maintenance Services it includes replacements of part, consumables etc. during the warranty period
Comprehensive Maintenance Services	It includes following during warranty & CMC Period: <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out annually. The bidder should submit price list of parts / consumables (as applicable), which are not covered under standard definition of CMC. •
CMC Period:	2 years after comprehensive warranty period

Equipment Name	Water Bath
Comprehensive Warranty Period	3 years, Warranty period starts from installation and successful calibration/validation of equipment at site.
Services under Comprehensive Warranty	Besides activities mentioned in Comprehensive Maintenance Services it includes replacements of part, consumables etc. during the warranty period
Comprehensive Maintenance Services	It includes following during warranty & CMC Period: <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out annually. • Calibration to be done annually during the warranty & CMC period for parameters (Temperature with traceable to National (NABL)/ International Standards) as per manufacturer's instructions/protocol and in case of any major repair/replacement of spare part The bidder should submit price list of parts / consumables (as applicable), which are not covered under standard definition of CMC.
CMC Period:	2 years after comprehensive warranty period

Equipment Name	Hot Air Oven-260L
Comprehensive Warranty Period	3 years, Warranty period starts from installation and successful calibration/validation of equipment at site.
Services under Comprehensive Warranty	Besides activities mentioned in Comprehensive Maintenance Services it includes replacements of part, consumables etc. during the warranty period
Comprehensive Maintenance Services	It includes following during warranty & CMC Period: <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out annually. • Calibration to be done annually during the warranty & CMC period for parameters (Temperature with traceable to National (NABL)/ International Standards) as per manufacturer's instructions/protocol and in case of any major repair/replacement of spare part The bidder should submit price list of parts / consumables (as applicable), which are not covered under standard definition of CMC.
CMC Period:	2 years after comprehensive warranty period

Equipment Name	pH meter
Comprehensive Warranty Period	3 years, Warranty period starts from successful installation at site
Services under Comprehensive Warranty	Besides activities mentioned in Comprehensive Maintenance Services it includes replacements of part, consumables etc. during the warranty period
Comprehensive Maintenance Services	It includes following during warranty & CMC Period: <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out annually The bidder should submit price list of parts / consumables (as applicable), which are not covered under standard definition of CMC.
CMC Period:	2 years after comprehensive warranty period

Equipment Name	Deep Freezer (-20° C) Deep Freezer (-86° C)
Comprehensive Warranty Period	3 years, Warranty period starts from installation and successful calibration/validation of equipment at site.
Services under Comprehensive Warranty	Besides activities mentioned in Comprehensive Maintenance Services it includes replacements of part, consumables etc. during the warranty period
Comprehensive Maintenance Services	It includes following during warranty & post warranty: <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out annually. • Calibration to be done annually during the warranty & CMC period for parameters (Temperature with traceable to National (NABL)/ International Standards) as per manufacturer's instructions/protocol and in case of any major repair/replacement of spare part The bidder should submit price list of parts / consumables (as applicable), which are not covered under standard definition of CMC.
CMC Period:	2 years after comprehensive warranty period

Equipment Name	Pipette i. 20-200 µl ii. 100-1000 µl
Comprehensive Warranty Period	2 years, Warranty period starts from installation and successful calibration of equipment at site.
Services under Comprehensive Warranty	It includes following during warranty: <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required • Preventive Maintenance to be carried out on six monthly basis. • Calibration to be to be carried out on six monthly basis during the warranty period and in case of any major repair/replacement of spare part for parameters (accuracy & standard deviation for the dispensing volume with traceable to National (NABL)/ International Standards. It also includes replacements of part, consumables etc.

5. **Equipment Manual:** Installation, Operator, Maintenance/Service manuals in English should be provided with each equipment.
6. **Spare part list:** Bidder to submit the spare part list including the cost for quoted equipment
7. **Accessories list:** Bidder to submit the accessories list including the cost for quoted equipment
8. **Factory Calibrated Certificate:** Equipment must be supplied with valid calibration certificate stating that the equipment has been calibrated at factory.

9. Packing data

Packing data are not necessarily part of the bidding process but are needed for shipment and for customs declarations.

Net weight.

Gross weight.

Dimensions (W × H × D) in cm.

Appliances must be transported upright (Y/N).

Customer's tariff number.

10. The design and workmanship of equipment offered, including power supply, has to be suited to operate properly and continuously under the climatic conditions in India, especially humidity (e.g. <90% at 35°C), permissible ambient temperature (e.g. +5°C to +45° C), protection against fungi, and possible spikes in the electric network.

11. ISO 9001: The manufacturer must have Manufacturer System Certified to ISO 9001.

12. Safety standards: The equipment must comply with ISI certification as per BIS Standards or any equivalent international safety standards such as IEC- 61010 and IEC-60601 etc.

B. Technical Specifications – Specific Requirements

Schedule No.1

**NAME OF EQUIPMENT:
Biological Safety Cabinet Class 2A with thimble /canopy and with
Uninterrupted Power Supply (UPS)**

Sr. No.	Technical Specifications
I	<p>Description of function: The class II BSC is used in a TB laboratory for processing specimens consisting of liquefaction of sputa and handling cultures of tubercle bacilli. This type of BSC is not adequate for handling volatile or toxic chemicals or radionuclides. Before ordering a BSC, facility and engineering requirements to be checked.</p> <p>Organization of a periodical recertification of the BSC by an authorized agency to be in place.</p>
1.	Main specifications
a	The BSC to meet the requirements of class IIA2 NSF 49 or class II EN 12469; specifically, with regard to inward airflow (≥ 0.40 m/s according to EN 12469:2000 or ≥ 0.50 m/s according to NSF 49:2004).
b	External height ≤ 2200 mm including support stand, allowing an available space of at least 400 mm from the top of the BSC to the ceiling. Higher versions may be accepted, provided the 400 mm over the BSC is available to measure air velocity above the exhaust filter, and to have enough space for changing the filter and for ducting and/ or a thimble connection to outlet.
2	Internal working area (approximate):
a	For a BSC of 120 cm (4 ft): width 1150 mm \times depth 630 mm \times height 650–750 mm.
b	A BSC of 120 cm (4 ft) provides the minimal space needed for safe work.
c	Inside finish: stainless steel, high quality (e.g. grade 304).
d	External housing, including screws, made of stainless steel or equivalent resistant galvanized (zinc-coated) sheet steel, subsequently powder coated and thermally hardened; minimum 80 mm thick, or other material that is hard-wearing, resistant to disinfectants and chemicals used in a TB laboratory, and abrasion resistant.
e	Vertically adjustable sliding window: aerosol-tight, sliding, safety glass (laminated multilayer safety glass only), thickness ≥ 6.7 mm, counterbalanced.
f	High optical transmission, but absorption of UV light; minimal reflection.
g	Working aperture: ≥ 170 mm measured from work surface to the bottom of the sash window.
h	Maximal lifting height of front window: 500 mm.
i	Ability to lock the window hermetically for gaseous disinfection for filter decontamination.
j	Single-piece working surface with integrated (V-shaped) front air grill.
k	Alternative: Working surface as segments.
l	Noise pressure level: ≤ 60 dbA.
3	Internal fittings
a	Two plugs, 230 ± 10 V, AC, 50 Hz, protected with separate T5A (slow blow) fuse.
b	Voltage and plugs adapted to those used in the country. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and

	current carrying capacity complying with Indian Standards.
4	Warning: Plugs inside the BSC may differ from the main connection to the electricity network.
a	Flicker-free, low-glare, warm-coloured light, >1000 lux.
b	Control display on the front of the BSC.
c	Electrical control or indicators.
d	Electronic fan control.
e	Flow meter for air inflow velocity.
f	Flow indicator or meter for air down flow velocity.
g	Operating hours indicator (counter).
h	Optional: UV light timer.
i	Filter and flow conditions.
5	Optional: ultraviolet C (UVC) light (253.7 nm wavelength); 30 W with hour counter; with interlock with white light so that the UVC light can be switched on only when the white light source is switched off.
6	Optional: (if a safety gas burner will be used): Gas tap with solenoid valve, optional right or left side.
a	For a laboratory located in a seismic area, gas pipes are not recommended; small gas containers (approximately 200–400 ml) with butane gas directly fixed to the burner to be used instead.
b	Not necessary when a micro-incinerator is used.
c	Pre filter construction preferred; easily accessible, filter change without tools preferred.
d	High-efficiency particulate air (HEPA) filter (exhaust air filter); classification at least H14; conforming with EN 1822; metal framed.
7	<u>Air down flow velocity:</u>
a	NSF 49–2002: Requires compliance with the manufacturer’s set points, or down flow velocity with a deviation of <0.025 m/s from a nominal set point.
b	EN 12469: Airflow velocity should be between 0.25 and 0.50 m/s and is defined by the manufacturer according to the construction. Additionally, no individual measurement should differ by more than 20% of the value requested by the manufacturer within the limits given.
c	Air circulation volume flow (Modify according to the BSC dimensions):
i)	▪ For a BSC of 120 cm (4 ft): 700–1200 m ³ /h.
8	<u>Influx air velocity:</u>
a	According to NSF 49, the average airflow velocity at front aperture should be 0.51 m/s for class A2.
b	EN 12469 does not sub classify within class II BSC. The average airflow velocity at front aperture should be at least 0.4 m/s, according to the manufacturer’s specifications.
c	Exhaust volume airflow/fresh airflow inward:
i)	▪ For a BSC of 120 cm (4 ft): 300–600 m ³ /h.
d	Blower system to be able to maintain the airflow within a minimum window (narrow limits) on voltage fluctuations. Data to be available on request.
e	Alarms, visible and/or audible, for any unsafe condition of the BSC (e.g. airflow, window position, hardware or software errors). Possibility to shut down alarm for cleaning and maintenance.
9	<u>Electricity requirements</u>
i)	Supply voltage: 230 ± 10 V, AC, 50/60 Hz.
a	Voltage and plugs to be adapted to meet the country requirements. The line cord / Power cord supplied with the equipment shall be of acceptable

	durability, length, and current carrying capacity complying with Indian Standards.
b	Lead fuse T16A (slow blow) or circuit breaker B16. The electrical regulations valid in the country of use as well as the relevant connection conditions are required.
ii)	Power consumption (approximate): Modify according to the BSC dimensions
a	▪ For a BSC of 120 cm (4 ft): 600 W.
b	Power consumption for plugs inside: Approximately 1000 W. Note: In areas with frequent breakdown of electricity supply, BSCs with low energy consumption can be an advantage; a UPS with lower capacity can be used. Conform to electrical safety standards IEC 60601-1, UL 61010-1, EN 61010-1.
c	Protection class (in accordance with EN 60529).
d	Designed not to interfere with circuit radio (in accordance with EN 55014).
10	Documentation
a	Manufacturer's certificate
i)	The manufacturer must have a management system certified to ISO 9001.
ii)	The manufacturer to individually test each BSC before shipment. The test report to be provided to the customer, with a duplicate fixed to the BSC. The tests to be performed with research-grade instruments for valid calibration according to test methods outlined in EN 12469 or NSF 49. The test report to contain at least data on:
iii)	inflow air velocity
iv)	downflow air velocity
v)	filter leak scan for both filters to document filters' efficiency and integrity.
vi)	Quality and safety standards met by the product to be listed.
11	Accessories
a	Table or support frame (support stand) for a working height of 78 ± 2 cm, adjustable at least at three points (feet) to level.
b	A telescopic support stand is advisable for a flexible use.
c	Ergonomic laboratory chair , designed for infectious laboratory areas:
d	adjustable height to suit different users, seat range approximately 400–490 mm
e	adjustable-angle back rest (no arm rest)
f	caster wheels (five)
g	all metal parts chrome plated
h	disinfectable with alcohol-containing disinfectants.
12	Thimble Ducting: Air duct construction with thimble to exhaust air from the BSC. The air duct to be made for the BSC offered and fit precisely. A thimble connection (see WHO TB Biosafety guidelines 2012 page 33) is used with Class II type A2 BSC that is ducted to the outside. The thimble fits over the cabinet's exhaust housing, sucking the air expelled from the cabinet into ducts that lead outside. A small opening (usually 5 cm wide) is maintained between the thimble and the cabinet's exhaust housing. This opening enables room air to be drawn into the exhaust ducting system. The thimble must be removable or be designed to allow for operational testing of the cabinet. The power of the external extraction fan installed at the end of the ducting should exceed the volumetric flow rate of each BSC by 30–50%, and should be controllable and connected to an uninterrupted power supply. The air from the BSC should be ducted with ventilation pipes that have a diameter exceed 20 cm. The extractor fan assembly must be easily accessible and preferably kept at the end of ducting with stable fitting. Ducting design should be straight and number of bands should be minimal, bend

	should be round shaped (sharp/ square bends should not be used). Ducting should have adjustable balancing dampers with easily accessibility so that flow can be controlled as and when required.
a	All standard accessories, consumables and parts required for the proper installation, operation and maintenance of the BSC to be included in the offer by the supplier and to be specified and quantified.
13	Operation, maintenance and installation
a	Operation and maintenance manual At least one set of operation, maintenance and service manuals, written in United Nations languages (or at least in English) and preferably also in the official national language of the country requesting the BSC.
b	Installation and maintenance
c	The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail
d	The bidder to also provide user training (including how to use and maintain the equipment) and a comprehensive maintenance plan. The cost of the maintenance plan to be defined and guaranteed over the period of warranty.
e	The supplier to provide an after-sale service that covers the whole country. The service to have competent staff, adequate infrastructure and sufficient spare parts to be able to respond to any complaints and to repair or replace the BSC within 14 days.
f	Initial on-site testing (aerosol leak test, recirculating air filter, exhaust air filter, airflow measurements inside the BSC and inward/exhaust airflow) to be carried out by a certified expert and certified compliant for satisfactory installation and safe operation. Measurement results to be printed out for documentation in the maintenance record.
14	Warranty starts with certification on site.
15	Standard maintenance tools All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning equipment, to be included in the offer. Bidders to specify the quantity of every item included in their offer (including items not specified above). If special tools are needed (e.g. to change filters), they must be provided.
16	Spare parts
a	Each assembled BSC to be accompanied by an authorized list of accessories and spare parts.
b	One additional set of HEPA filters.
17	Warning: Special clamps may be needed to fix HEPA filter.
18	Remarks The equipment offered, including its power supply, to be designed and constructed to operate properly and continuously in the conditions of the purchaser's country; the equipment may need to tolerate high humidity (as high as 90% at 35 °C), ambient temperatures of 5–40 °C, fungi, and spikes in the electricity supply.
19	Bidders may propose products additional to the requirements listed above.
II	Uninterrupted power supply with battery pack for BSC
1	Description of function and use: The UPS must be used in any settings that have frequent problems in the electricity network (e.g. surges, sags, spikes and blackouts) to assure and back up the function of the BSC, so that any current work can be finalized and all potentially infectious sources closed. If the BSC is connected to a generator, the UPS will maintain the function of the BSC during the time needed for the generator to start and to provide full power.
2	Main specifications
a	UPS: microprocessor controlled, online continuous transducer, 20 minutes.

b	Booster function to regulate up voltage breakdown to 170 V.
c	Buck function to regulate down voltage increase up to 280 V.
d	Filter to protect against voltage spikes.
e	Protection against overload and short circuit.
f	Advanced battery check for automated periodic battery inspection.
g	Indicators for status (e.g. normal function, net down, working on battery, loading battery, battery capacity).
h	Sleep mode if item consuming power is shut off.
i	Power: 230 V \pm 25%, 50 Hz or 60 Hz (\pm 10%) with automatic recognition.
j	Battery: maintenance-free, automatic shut-off before reaching the level of discharge from which recharging to the original capacity will no longer be possible.
k	Time for recharging: approximately 4 hours to reach at least 90% of total capacity.
l	Outlet voltage: 230 V \pm 3%, 50 or 60 Hz \pm 0.5% (if the country's standard voltage is 110 V AC, adjustment will be needed).
m	Efficiency coefficient: approximately 98%, on battery >85%.
n	Noise at 1 m distance <48 dBA.
o	Permissible ambient temperature and relative humidity: 0–40 °C and 95% (not condensing).
3	Electricity requirements
a	Supply voltage: 230 \pm 10 V, AC, 50/60 Hz.
b	Voltage and plugs to be adapted to meet the country requirements. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.
c	Power consumption: Approximately 1500 W (may change depending on requirement for the model chosen as well as the extractor fan connected with thimble connection at the outer end).
d	Protection class (in accordance with EN 60529).
e	Designed not to interfere with circuit radio (in accordance with EN 55014).
4	Documentation
a	Manufacturer's certificate
b	The manufacturer must have a management system certified to ISO 9001.
c	Quality and safety standards met by the product to be listed.
5	Accessories
a	Battery pack.
b	Connection (cable and fittings) for battery pack.
6	Operation, maintenance and installation
a	Operation and maintenance manual
i)	At least one set of operation, maintenance and service manuals, written in United Nations languages (or at least in English) and preferably also in the official national language of the country requesting the UPS.
b	Installation and maintenance
i)	The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.
ii)	The bidder to provide user training (including how to use and maintain the equipment)

	and a comprehensive maintenance plan. The cost of the maintenance plan to be defined and guaranteed over the period of warranty.
c	Standard maintenance tools
i)	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning material, to be included in the offer. Bidders to specify the quantity of every item included in their offer (including items not specified above).
d	Spare parts
i)	Each UPS to be accompanied by an authorized list of accessories and spare parts.

Schedule No. 2

NAME OF EQUIPMENT: Refrigerator 300-450 lit

Sr. No.	Technical Specifications
1	Vertical, Capacity 300 lts or more (up to 450L), Frost free, CFC free, Single door.
2	House hold refrigerator.
3	Equipment quoted should comply with Indian Standards Institutions Guidelines or any other National or International Guidelines.
4	Supply voltage: 230 ± 10 V, AC, 50/60 Hz.
5	Voltage and plugs to be adapted to meet the country requirements.
6	The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.
7	Voltage regulator of appropriate rating to be included to cope with 160-260 V.

Schedule No. 3

NAME OF EQUIPMENT: Refrigerator 165-200 liters

Sr. No.	Technical Specifications
1	Vertical, Capacity 165lts or more (up to 200 L), Frost free, CFC free, Single door.
2	House hold refrigerator.
3	Equipment quoted should comply with Indian Standards Institutions Guidelines or any other National or International Guidelines.
4	Supply voltage: 230 ± 10 V, AC, 50/60 Hz.
5	Voltage and plugs to be adapted to meet the country requirements.
6	The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.
7	Voltage regulator of appropriate rating to be included to cope with 160-260 V.

Schedule No. 4

NAME OF EQUIPMENT: Laboratory Incubator (37°C)

Sr. No.	Technical Specifications
1	Description of function and use: The incubator is used to allow growth of Mycobacteria on culture media.
2	Main specifications:
(a)	Temp: 37 °C Incubator (Temp. variation $\pm 0.5^{\circ}\text{C}$), Memmert Type, Capacity approx. 400L $\pm 10\%$
(b)	Inner chamber made up of Stainless steel make of SS-304 grade, full length inner acrylic security glass door
(c)	Housing made of zinc galvanized sheet metal coated with epoxy, hardened by heat treatment, corrosion resistant
(d)	Triple wall with special grade glass wool insulation
(e)	Temperature range, ambient+5°C to 80°C, $\pm 0.1^{\circ}\text{C}$ resolution
(f)	Controller/Digital indicator for Temperature
(g)	Size in mm approximately (of inner chamber):- 700(W) x 900(H) x650(D), Capacity: 15 cu. ft.(approx. 400 liters) and door swing 65 cms
(h)	over-temperature protection controller so as to ensure that the Incubator does not go beyond the set temperature automatically gets cutoff after attaining the set temperature.
(i)	Programs stored on power failure so that when power is restored, equipment continues to function on the previous programme.
(j)	Certificate to state that the incubator has been calibrated at the factory.
(k)	The apparatus should confirm to Indian Standard Institution Guidelines with latest amendments in Indian Standard Specification for Incubators or equivalent National or International Standards covering Markings, tests and Safety requirements. Voltage regulators of appropriate rating to be included for each item to cope with 160-260 V. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.
(l)	3-4 numbers of Stainless steel make shelves”

Schedule No. 5

NAME OF EQUIPMENT: Refrigerated centrifuge with UPS

Sl. No.	Technical Specifications
A	Refrigerated centrifuge
1	Description of function and use: The centrifuge will be used in a TB laboratory to spin down mycobacteria in liquefied, decontaminated materials. The compartments containing the centrifuge tubes (buckets) need to be absolutely aerosol tight and closed by transparent lids. At least 3000 G will be required for efficient sedimentation within 20 minutes of centrifugation. The centrifuge should be a desk/bench-top one.
2	Main specifications:
(a)	Metal housing, chamber stainless steel
(b)	Cooling capacity at maximum speed at +4°C.
(c)	Standby cooling
(d)	Induction motor, brushless drive
(e)	Rotor with swing-out buckets, at least four positions.
(f)	Rotor buckets with aerosol-tight, transparent
(g)	Inserts for buckets adapted to 50 ml centrifuge tubes, conical.
(h)	Capacity: about 16 or more × 50 ml.
(i)	Maximum revolutions per minute: approximately 4500 rpm, corresponding to a radius of approximately 15 cm.
(j)	Relative centrifugal force (rcf): approximately 3400 G.
(k)	Noise level at maximum speed: not more than 60 dbA.
(l)	Programmable for all parameters (switchable between rpm and rcf) of a run; large display
(m)	Soft start and different acceleration levels (1–9); different braking levels (1–9) and brake force cut-off.
(n)	Input and recall of programs; at least 20 storage positions.
(o)	LCD display (protected against splash of liquids) for indication of run time, speed (rpm) or rcf (after entering centrifugation radius) – switchable, actual temperature, time left to finish run.
(p)	Imbalance switch-off.
(q)	Motor overheating protection.
(r)	Chamber overheating protection.
(s)	Rotor recognition for appropriate over-speed protection.
(t)	Safety lock of lid during run and as long as the rotor is moving.
(u)	Possibility of mechanical opening of lid if there is current blackout.
3.	Electricity Requirements
(a)	Supply voltage: 230 ± 10 V, AC, 50/60 Hz. Voltage and plugs to be adapted to meet the country requirements. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.
(b)	Power consumption: Approximately 1800 W
(c)	Conform to electrical safety standards IEC 60601–1, UL 61010–1, EN 61010–1
(d)	Excess-voltage category II
(e)	Protection class (in accordance with EN 60529)

(f)	Designed not to interfere with circuit radio (in accordance with EN 55014).
4	Spare parts
(a)	Each centrifuge to be accompanied by an authorized list of accessories and spare parts Device for mechanical opening of the centrifuge after automatic blocking as consequence of currency blackout.
(b)	Lubricants for movable parts and gaskets/ silicon O-ring(2 pack to be provided with each unit)
(c)	Spare fuses
5	Operation maintenance and Installation
5.1	Operation and maintenance manual: At least one set of operation, maintenance and service manuals, written in United Nations languages (or at least in English) and preferably also in the official national language of the country requesting the centrifuge.
5.2	Installation and maintenance
(a)	The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.
(b)	The bidder to also provide user training (including how to use and maintain the equipment) and a comprehensive maintenance plan. The cost of the maintenance plan to be defined and guaranteed over the period of warranty.
(c)	The supplier to provide an after-sale service that covers the whole country. The service to have competent staff, adequate infrastructure and sufficient spare parts to be able to respond to any complaints and to repair or replace the centrifuge within 14 days.
6	Standard maintenance tools
	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning equipment, to be included in the offer. Bidders to specify the quantity of every item included in their offer (including items not specified above).
7	Documentation
(a)	Manufacturer's certificate: The manufacturer must have a management system certified to ISO 9001. One certificate to state that the centrifuge has been calibrated at the factory.
(b)	Quality and safety standards met by the product to be listed. Operation, maintenance and installation
B	UPS with Battery
1	Description of function and use: The UPS must be used in any settings that have frequent problems in the electricity network (e.g. surges, sags, spikes and blackouts) to assure and back up the function of the Refrigerated Centrifuge, so that any current work can be finalized and all potentially infectious sources closed. If the Refrigerated Centrifuge is connected to a generator, the UPS will maintain the function of the Refrigerated Centrifuge during the time needed for the generator to start and to provide full power.
2	Main specifications:
(a)	UPS: microprocessor controlled, online continuous transducer, 20 /30 minutes.
(b)	Booster function to regulate up voltage breakdown to 170 V.
(c)	Buck function to regulate down voltage increase up to 280 V.
(d)	Filter to protect against voltage spikes.
(e)	Protection against overload and short circuit.
(f)	Advanced battery check for automated periodic battery inspection.
(g)	Indicators for status (e.g. normal function, net down, working on battery, loading battery, battery capacity).
(h)	Sleep mode if item consuming power is shut off.

(i)	Power: 230 V \pm 25%, 50 Hz or 60 Hz (\pm 10%) with automatic recognition.
(j)	Battery: maintenance-free, automatic shut-off before reaching the level of discharge from
(k)	Time for recharging: approximately 4 hours to reach at least 90% of total capacity.
(l)	Outlet voltage: 230 V \pm 3%, 50 or 60 Hz \pm 0.5% (if the country's standard voltage is 110 V
(m)	Efficiency coefficient: approximately 98%, on battery >85%.
(n)	Noise at 1 m distance <48 dBA.
(o)	Permissible ambient temperature and relative humidity: 0–40 °C and 95% (not condensing).
3	Electricity requirements
3.1	Supply voltage: 230 \pm 10 V, AC, 50/60 Hz. Voltage and plugs to be adapted to meet the country requirements. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards
3.2	Power consumption:
(a)	Approximately 3000 W (depending on the model chosen).
(b)	Protection class (in accordance with EN 60529).
(c)	Designed not to interfere with circuit radio (in accordance with EN 55014).
4	Accessories
(a)	Battery pack.
(b)	Connection (cable and fittings) for battery pack.
5	Spare parts
	Each UPS to be accompanied by an authorized list of accessories and spare parts.
6	Operation, maintenance and installation
6.1	Operation and maintenance manual
	At least one set of operation, maintenance and service manuals, written in United Nations languages (or at least in English) and preferably also in the official national language of the country requesting the UPS.
6.2	Installation and maintenance
(a)	The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.
(b)	The bidder to provide user training (including how to use and maintain the equipment) and a comprehensive maintenance plan. The cost of the maintenance plan to be defined and guaranteed over the period of warranty.
7	Standard maintenance tools
	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning material, to be included in the offer. Bidders to specify the quantity of every item included in their offer (including items not specified
8	Documentation
(a)	Manufacturer's certificate: The manufacturer must have a management system certified to ISO 9001.
(b)	Quality and safety standards met by the product to be listed.

Schedule No. 6

NAME OF EQUIPMENT: Inspissator

Sl. No	Technical Specifications
1	Main specifications:
(a)	A shallow polish stainless tray rested inside a tank containing water. The whole undersurface of the tray is in contact with water at a constant temperature which ensures that the temperature of the McCartney bottles with media is also constant.
(b)	The surface of the tray is a series of sloping steps (at 9 degree angle above the horizontal) and will hold 162 universal containers.
(c)	A blanket is placed over the containers to exclude draughts and a quilted cover provides thermal insulation: both blanket and quilt are made from insect-resistant materials
(d)	The temperature of the water under the tray is controlled by a digital immersion thermostat.
(e)	Accuracy and reproducibility of set temperature are ensured with the digital display of actual and, at the touch of a button, set temperature.
(f)	Built in Electronic timer (0–6 hours) which gets activated once set temperature is achieved.
(g)	The control unit is mounted on a bridge plate over one end of the bath, from which heater, stirrer and temperature sensors project down into the bath.
(h)	All moving parts are incorporated in the control unit which is removable for servicing.
(i)	The tray and tank are made of polished stainless steel
(j)	A constant level device is fitted to maintain the water level despite evaporation losses.
(k)	Std temperature: 85°C
(l)	Operating temp. range: ambient +5 to 90 °C
(m)	Temperature display: LED
(n)	Display resolution: 0.1°C
(o)	Uniformity: tray surface + or - 0.7°C
(p)	Heater power: (approx.)1.4Kw, 230V+
(q)	Tank capacity: (approx.)45 lit
(r)	Heat up rate 20 to 85 °C ,3.5 hours
(s)	working area: length/width: (approx.) 820/594mm
(t)	Overall dimensions (approx.): l/w/h: 1040/600/380mm
(u)	Over temperature protection: Fixed cut-out
(v)	Electrical power: 220-240V 50/60 Hz, 1.5kW(approx.)
(w)	The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.
(x)	Approx. weight: 25-35 kgs

Schedule No. 7

NAME OF EQUIPMENT: Autoclaves: Horizontal (300-320 L)

Sl. No.	Technical Specifications
1	Description of function and use: Applications: For sterilizing non infective material and aqueous media in loosely stoppered flask. For drying of racks and porous loads by vacuum and intake of filtered air. For larger workloads in the laboratory.
2	Main specifications:
(a)	Made of Stainless Steel of SS-304 grade, Triple walled with a steel jacket
(b)	Separate boiler with manual water feed control (valve) with water level indicator and pressure gauge, separate compound gauge for working chamber, separate manual valve for drainage of water.
(c)	Inner, outer chamber, jacket and boiler made of stainless steel 304 grade, manual steam release valve for chamber
(d)	Inner dimensions of chamber: 300-320L
3	Safety features to Include:
(a)	Spring loaded safety valve of stainless steel for both boiler and working chamber
(b)	Automatic Low Water Cut-off Device – To protect the heaters from running dry and to ensure that the machine is automatically switched off in case the desired water level falls below the prescribed level
(c)	Auto safety door lock with heat resistant silicone door gasket (withstanding temp up to 140
(d)	Over temperature and pressure protection
(e)	External Validation port for measuring temperature of the working chamber
(f)	Mounted on rigid tabular stand
(g)	There should be provision for vacuum for drying of racks and porous loads.
(h)	Working temperature: 121°C, Maximum operating temperature: 134 °C (273 °F).
(i)	Working pressure: 1.2 -1.5kg/sq. cm. Maximum operating pressure: 2.5 kg/sq.cm
4	Automatic Pressure Control Switch- To cut-off the current from the heating elements, when the desired/ set pressure value level is attained inside the chamber and restarts the mechanism once the pressure inside the chamber falls from the desired level. The pressure is adjustable from 5 psi to 20 psi with automatic pressure control switch, which controls the pressure with an accuracy of +/- 1 PSI
5	Temperature Indicator - To indicate the temperature inside the chamber.
6	Timer with Alarm System - To regulate the sterilization time of the media to be sterilized and when the desired time is passed, with a buzzer, to that the completion of sterilization cycle, Sterilization timer: 1–99 minutes.
7	Electrical requirements - Equipment to work on 440 ± 10 volts Three phase with neutral, 50 Hz, AC power supply, plug type adopted to local country scenario (MCB) with suitable voltage regulator of appropriate rating. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.
8	Accessories – Should include:
(a)	Stainless steel drums (where 2 fit in autoclave directly plus two spare total 4)

(b)	Stainless steel wire basket (where 2 fit in autoclave directly plus two spare total 4)
(c)	Chemical indicator tape for sterilization (2)
(d)	Biological indicator (100)
(e)	Spare heating elements (two) fuses (10)
(f)	Silicon door gasket (2).
9	Remarks - The apparatus should confirm to national or international standards with latest amendments covering Markings, Safety requirements with recommendations of safe operations from any reputed firm with ISO 9001:2000 certification.

Schedule No. 8

NAME OF EQUIPMENT: Autoclaves: Horizontal (200-220 L)

Sl. No.	Technical Specifications
1	<p>Description of function and use: Applications: For sterilizing non infective material and aqueous media in loosely stoppered flask. For drying of racks and porous loads by vacuum and intake of filtered air. For larger workloads in the laboratory.</p>
2	<p>Main specifications:</p>
(a)	Made of Stainless Steel of SS-304 grade, Triple walled with a steel jacket
(b)	Separate boiler with manual water feed control (valve) with water level indicator and pressure gauge, separate compound gauge for working chamber, separate manual valve for drainage of water.
(c)	Inner, outer chamber, jacket and boiler made of stainless steel 304 grade, manual steam release valve for chamber
(d)	Inner dimensions of chamber: 200 – 220 L
3	<p>Safety features to Include:</p>
(a)	Spring loaded safety valve of stainless steel for both boiler and working chamber
(b)	Automatic Low Water Cut-off Device – To protect the heaters from running dry and to ensure that the machine is automatically switched off in case the desired water level falls below the prescribed level
(c)	Auto safety door lock with heat resistant silicone door gasket (withstanding temp up to 140
(d)	Over temperature and pressure protection
(e)	External Validation port for measuring temperature of the working chamber
(f)	Mounted on rigid tabular stand
(g)	There should be provision for vacuum for drying of racks and porous loads.
(h)	Working temperature: 121°C, Maximum operating temperature: 134 °C (273 °F).
(i)	Working pressure: 1.2 -1.5kg/sq. cm. Maximum operating pressure: 2.5 kg/sq.cm
4	<p>Automatic Pressure Control Switch- To cut-off the current from the heating elements, when the desired/ set pressure value level is attained inside the chamber and restarts the mechanism once the pressure inside the chamber falls from the desired level. The pressure is adjustable from 5 psi to 20 psi with automatic pressure control switch, which controls the pressure with an accuracy of +/- 1 PSI</p>
5	<p>Temperature Indicator - To indicate the temperature inside the chamber.</p>
6	<p>Timer with Alarm System - To regulate the sterilization time of the media to be sterilized and when the desired time is passed, with a buzzer, to that the completion of sterilization cycle, Sterilization timer: 1–99 minutes.</p>
7	<p>Electrical requirements - Equipment to work on 440 ± 10 volts Three phase with neutral, 50 Hz, AC power supply, plug type adopted to local country scenario (MCB) with suitable voltage regulator of appropriate rating. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.</p>
8	<p>Accessories – Should include:</p>
(a)	Stainless steel drums (where 2 fit in autoclave directly plus two spare total 4)

(b)	Stainless steel wire basket (where 2 fit in autoclave directly plus two spare total 4)
(c)	Chemical indicator tape for sterilization (2)
(d)	Biological indicator (100)
(e)	Spare heating elements (two) fuses (10)
(f)	Silicon door gasket (2).
9	Remarks - The apparatus should confirm to national or international standards with latest amendments covering Markings, Safety requirements with recommendations of safe operations from any reputed firm with ISO 9001:2000 certification.

Schedule No. 9

NAME OF EQUIPMENT: Autoclaves: Vertical

Sl. No.	Technical Specifications
1	Description of function and use: Autoclaves are used for sterilization of infectious or clean materials. For effective sterilization for smaller work load. For decontamination of infected material prior to its disposal. For faster work in the laboratory.
2	Main specifications:
(a)	Vertical autoclave, universal basic version for microbiological standard laboratory to sterilize liquids, instruments, glassware, plastic articles or general infectious waste.
(b)	Triple walled construction; chamber, basket, door lid, doorframe, bolts made of corrosion-resistant material and able to prevent stress cracking preferably made of high grade stainless steel sheet of SS-304 grade, housing with SS legs.
(c)	Pressure vessel should be Hydraulic tested at factory with minimum Hydrostatic Pressure: 2.5 kg/cm sq. (35 psi)
(d)	Working Chamber volume: approx. 70 -80 liters.
(e)	Electrically heated by immersion type heaters bearing ISI mark.
(f)	Fast safety lid lock with silicone gasket, it may be radial locking, automatic locking, single lever locking, fly nut assembly mechanism and with heat resistant/safety handle.
(g)	Manual water feed system with water level indicator, pressure gauge, steam release cock, spring loaded safety valve, water inlet and water valves
(h)	Working temperature: 121°C, Maximum operating temperature: 134 °C (273 °F).
(i)	Working pressure: 15 PSI, Maximum operating pressure: 2.5 bar or 36 PSI
3	Automatic Water Cut-off Device – To protect the heaters from running dry and to ensure that the machine is automatically switched off in case the desired water level falls below the prescribed level.
4	Accessories should include:
(a)	Stainless steel basket (where 2 fit in autoclave directly plus two spare total 4)
(b)	Stainless steel wire basket (where 2 fit in autoclave directly plus two spare total 4)
(c)	Chemical indicator tape for sterilization (2)
(d)	Biological indicator (100)
(e)	spare heating elements (two)
(f)	fuses (10)
(g)	silicone gaskets (2).
5	Timer with Alarm System - To regulate the sterilization time of the media to be sterilized with a buzzer, Sterilization timer: 1–99 minutes. A visual chamber gauge, which easily identifies pressure in the chamber must be accessible to the operator as a backup for reading pressure gauge when no electrical power is available.
6	Micro-processor temperature control system with sensor-with user changeable set temperature and timer option. The microprocessor controls the desired temperature (pressure automatically regulated) by cutting off the current to the heating element automatically & restart the mechanism as required. The control panel to be mounted so

	<p>that the components sensitive to steam and heat are protected. Large LCD display showing:</p> <ul style="list-style-type: none"> - Chamber Temperature - Sterilization time - Alarm information
7	<p>Alarm: audible, with display on dysfunction & after completion of sterilization cycle. Electrical control box, fitted with toggle switch, indicating Neon lamps for Autoclave ON/OFF status, heater ON/Off status. Over-temperature and over-pressure protection limiter</p>
8	<p>Electrical requirements: Equipment to work on 230 ± 10 volts single phase, 50 Hz, plug type adopted to local country scenario, Voltage regulator of appropriate rating to be included to cope with 160-260 V. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.</p>
9	<p>Remarks: The apparatus should conform to national or international standards with latest amendments covering Markings, Safety requirements with recommendations of safe operations from any reputed firm with ISO 9001:2000 certification.</p>

Schedule No. 10

NAME OF EQUIPMENT: Precision Balance

Sr. No	Technical Specifications
1)	<p>Description of function and use: A precision balance is mainly used to weigh dyes for staining solutions and components for culture media. Temperature variation and static electricity will cause precision balances to display erratic readings. Therefore, the balance is to be operated on an antistatic surface, in a room with a constant temperature and a steady relative humidity of >65%.</p>
2)	<p>Main specifications:</p>
a)	Electronic balance, weighing capacity 60 g, 120 g or 210 g.
b)	Tare range = full capacity by subtraction.
c)	Stabilization time: ≤5seconds
d)	Housing resistant to chemicals and cleaning materials
e)	Stainless steel weighing pan, approximately 115 mm diameter
f)	Adjustable feet (so the balance can be levelled)
g)	Waterproof display and keypad, sealed by a durable, flexible membrane
h)	Background illuminated (backlight) display with digits at least 15 mm high
i)	User-friendly menu (preferably in different languages but at least in English) so the balance can be configured to individual requirements
j)	Level indicator to be close to the display or in the view field of the display
k)	Built-in motorized calibration of weight with automatic adjustment
l)	Readability: 0.001 g (1 mg)
m)	Repeatability: 0.001 g (1 mg) .
n)	Linearity: 0.002 g (2 mg).
	Spare Part
o)	Each balance to be accompanied by an authorized list of accessories and spare parts
	Accessories
p)	Protective dust cover
q)	Weighing scoop, 90 mm, stainless steel
3)	<p>Electricity requirements:</p>
a)	Supply voltage: 230 ± 10 V, AC, 50/60 Hz. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.
4	<p>Power consumption: Low</p>
e)	Confirm to electrical safety standards IEC 60601–1, UL 61010–1, EN 61010–1.
f)	Protection class (in accordance with EN 60529)
g)	Designed not to interfere with circuit radio (in accordance with EN 55014).
5	<p>Documentation</p>
a)	Manufacturer's certificate: The manufacturer must have a management system certified to ISO 9001
b)	One certificate to state that the balance has been calibrated at the factory.
c)	Quality and safety standards met by the product must be listed
<u>6</u>	<p><u>Operation, installation and maintenance</u></p>

<u>6.1)</u>	<u>Operation and maintenance manual</u>
a)	At least one set of operation, maintenance and service manuals written in United Nations languages (or at least in English) and preferably also in the official national language of the country requesting the precision balance
<u>6.2)</u>	<u>Installation and maintenance:</u>
a)	The bidder must arrange for the equipment to be installed by certified or qualified personnel
b)	Any prerequisites for installation to be communicated to the purchaser in advance, in detail
c)	The bidder to also provide user training (including how to use and maintain the equipment) and a comprehensive maintenance plan to be given. The cost of the maintenance plan to be defined and guaranteed over the period of warranty
e)	The supplier to provide an after-sale service that covers the whole country. The service to have competent staff, adequate infrastructure and sufficient spare parts to be able to respond to any complaints and to repair or replace the balance within 14 days.
f)	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).

Schedule No. 11

NAME OF EQUIPMENT: Analytical Balance

Sr. No	Technical Specifications
1	Description of function and use: An analytical balance is needed to prepare media containing drugs, for DST. The balance may also be used to calibrate, recalibrate and maintain microliter pipettes used in the laboratory, especially for molecular biology. Temperature variation and static electricity will cause analytical balances to display erratic readings. Therefore, the balance is to be operated on an antistatic surface, in a room with a constant temperature and a steady relative humidity of >65%.
2	Main specifications
a.	Weighing capacity range: 1 mg to at least 200 g.
b.	Tare range = full capacity by subtraction.
c.	Stabilization time: ≤5 seconds.
d.	Housing resistant to chemicals and cleaning materials.
e.	Glass doors (not plastic) that close tightly.
f.	Stainless steel weighing pan, approximately 90 mm diameter.
g.	Full glass windscreen, able to be opened on both sides and from the top cover.
h.	Adjustable feet (so the balance can be levelled).
i.	Waterproof display and keypad, sealed by a durable flexible membrane.
j.	Background illuminated (backlit) display with digits at least 15 mm high.
k.	User-friendly menu (preferably in different languages but at least in English) so the balance can be configured to individual requirements.
l.	Level indicator to be close to the display or in the view field of the display.
m.	Built-in motorized calibration of weight with automatic adjustment
n.	Readability: 0.0001 g (0.1 mg).
o.	Repeatability: 0.0001 g (0.1 mg).
p.	Linearity: 0.0002 g (0.2 mg).
3	Electricity requirements
a.	Supply voltage: 230 ± 10 V, AC, 50/60 Hz. Voltage and plugs to be adapted to meet the country requirements. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.
b.	Power consumption: Low.
c.	Protection class (in accordance with EN 60529)
d.	Designed not to interfere with circuit radio (in accordance with EN 55014)
4	Documentation
a.	Manufacturer's certificate The manufacturer must have a management system certified to ISO 9001. The manufacturer to provide a declaration of conformity to standards that apply to the product, including ingress protection rating and weight classifications and applications.
b.	One certificate to state that the balance has been calibrated at the factory. Certificates to be provided for each item supplied.
c.	Quality and safety standards met by the product must be listed.
5	Accessories - Protective dust cover. - Optional: Weighing scoop, 90 mm, and stainless steel.
6	Operation, installation and maintenance

a.	Installation and maintenance:- The bidder must arrange for the equipment to be installed by certified or qualified personnel at the place indicated, free of cost. Detailed installation prerequisites to be communicated to the purchaser in advance, especially for the electric power supply needed, including type of plug (or other way of connection).
b.	Detailed instruction of laboratory personnel on use, function and maintenance of the equipment (user training), as well as a comprehensive maintenance plan (logbook with daily, weekly, monthly and quarterly maintenance checklist), to be provided.
c.	The cost of the maintenance plan to be defined and guaranteed over the period of warranty.
d.	The supplier to provide a functioning after-sale service covering the whole country. The service to have adequate infrastructure, competent staff and sufficient spare parts to be able to respond to any complaints and to repair or replace the balance within 14 days.
7	Standard maintenance tools:- All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).
8	Spare parts Each balance to be accompanied by an authorized list of accessories and spare parts.
9	
10	Remarks: The equipment offered, including its power supply, to be designed and constructed to operate properly and continuously in the conditions of the purchaser's country; the equipment may need to tolerate high humidity (as high as 90% at 35 °C), ambient temperatures of 5–40 °C, fungi, and spikes in the electricity supply.
11	Bidders may propose products additional to the requirements listed above.

Schedule No. 12

NAME OF EQUIPMENT: Vortex

Sr. No	Technical Specifications
1	Description of function and use: The mini-shaker is for use in a BSC
2	Main specifications:
(a)	Adjustable speed: 100 to 2,500 rpm, continuous and intermittent “touch-control” modes,
(b)	Cup heads size: 25 mm dia. x 22 mm deep for mixing contents in McCartney bottles
(c)	Heavy cast-metal base and suction cup to assure stability, prevent “walking”.
(d)	Disinfect-able
3	Electricity requirements:
(a)	Supply voltage: 220-230 Volts, AC, 50HZ. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards
4	Remarks: Equipment quoted should comply with Indian Standards Institutions Guidelines or any other National or International Guidelines.

Schedule No. 13

NAME OF EQUIPMENT: Electric Micro incinerator

Sr. No.	Technical Specifications
1	Description of function and use: The micro-incinerator allows sterilization of metal inoculating loops without a flame and is suited for work in a BSC.
2	Main specifications:
(a)	Heating element of ceramic surrounded by isolating cover
(b)	Quick infrared heating to temperatures ≥ 800 °C for fast sterilization
(c)	Stand with suction-cup feet (or equivalent) for stable, safe operation
(d)	Possibility to fix the incinerator to a stand at different angles
3	Electricity requirements:
	<ul style="list-style-type: none"> - Supply voltage: 230\pm10 Volts, AC, 50/60HZ - Voltage and plugs to be adapted to meet the country requirements - The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards
4	Power consumption should be 2000 W
(a)	Protection class (in accordance with EN 60529)
(b)	Designed not to interfere with circuit radio (in accordance with EN 55014)
5	Accessories: Attached loop holder.
6	Spare Part: Each micro-incinerator to be accompanied by an authorized list of accessories and spare parts.
7	Documentations
(a)	Manufacture's Certificate: The manufacturer must have a management system certified to ISO 9001.
(b)	Certificates to be provided for each item supplied
(c)	Quality and safety standards met by the product must be listed
8	Operation, installation and maintenance:
8.1	Operation and maintenance manual
(a)	At least one set of operation, maintenance and service manuals, written in United Nations languages (or at least in English) and preferably also in the official national language of the country.
8.2	Installation and maintenance
(a)	The bidder must arrange for the equipment to be installed by certified or qualified personal
(b)	Any prerequisites for installation to be communicated to the purchaser in advance, in detail.
(c)	The bidder to also provide user training (including how to use and maintain the equipment) and a comprehensive maintenance plan. The cost of the maintenance plan to be defined and guaranteed over the period of warranty.
(d)	The supplier to provide an after-sale service that covers the whole country.
(e)	The service to have competent staff, adequate infrastructure and sufficient spare parts to be able to respond to any complaints and to repair or replace the micro-incinerator within 14 days.
8.3	Standard Maintenance tools: All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning material, to

	be included in the offer. Bidders to specify the quantity of every item included in their offer (including items not specified above).
9	Remarks
(a)	The equipment offered, including its power supply, to be designed and constructed to operate properly and continuously in the conditions of the purchaser's country. The equipment may need to tolerate high humidity (as high as 90% at 35 °C), ambient temperatures of 5–40 °C, fungi, and spikes in the electricity supply.
(b)	Bidders may propose products additional to the requirements listed above.

Schedule No. 14

NAME OF EQUIPMENT: Uninterrupted Power Source (3KVA) with 30 minutes Battery backup

Sl. No.	Technical Specifications
1	Description of function and use: The UPS must be used in any settings that have frequent problems in the electricity network (e.g. surges, sags, spikes and blackouts) to assure and back up the function of the BSC or other equipment, so that any current work on hand can be finished and all potentially infectious sources closed. If the BSC or the equipment is connected to a generator, the UPS will maintain the function of the BSC or the equipment connected during the time needed for the generator to start and to provide full power. Capacity of UPS required to be suited for the equipment connected and battery back up to provided based on local scenario of electrical outage and power back up availability.
2	Main specifications:
(a)	UPS: microprocessor controlled, online continuous transducer, 30 minutes.
(b)	Booster function to regulate up voltage breakdown to 170 V.
(c)	Buck function to regulate down voltage increase up to 280 V.
(d)	Filter to protect against voltage spikes.
(e)	Protection against overload and short circuit.
(f)	Advanced battery check for automated periodic battery inspection.
(g)	Indicators for status (e.g. normal function, net down, working on battery, loading battery, battery capacity).
(h)	Sleep mode if item consuming power is shut off.
(i)	Power: 230 V \pm 25%, 50 Hz or 60 Hz (\pm 10%) with automatic recognition.
(j)	Battery: maintenance-free, automatic shut-off before reaching the level of discharge from which recharging to the original capacity will no longer be possible.
(k)	Time for recharging: approximately 48-9 hours to reach at least 90% of total capacity.
(l)	Outlet voltage: 230 V \pm 3%, 50 or 60 Hz \pm 0.5% (if the country's standard voltage is 110 V AC, adjustment will be needed).
(m)	Efficiency coefficient: approximately 98%, on battery >85%.
(n)	Noise at 1 m distance <48 dBA.
(o)	Permissible ambient temperature and relative humidity: 0–40 °C and 95% (not condensing).
2	Electricity requirements
(a)	Supply voltage: 230 \pm 10 V, AC, 50/60 Hz; Voltage and plugs to be adapted to meet the country requirements. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.
(b)	Power consumption: Approximately 1500 W (depending on the model chosen). Protection class (in accordance with EN 60529). Designed not to interfere with circuit radio (in accordance with EN 55014).
3	Accessories
3.1(a)	Battery pack.
(b)	Connection (cable and fittings) for battery pack.

(c)	Stand
3.2	Spare parts
	Each UPS to be accompanied by an authorized list of accessories and spare parts.
4	Operation, maintenance and installation
4.1	Operation and maintenance manual
	At least one set of operation, maintenance and service manuals, written in United Nations languages (or at least in English) and preferably also in the official national language of the country requesting the UPS.
4.2	Installation and maintenance
	The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.
	The bidder to provide user training (including how to use and maintain the equipment) and a comprehensive maintenance plan. The cost of the maintenance plan to be defined and guaranteed over the period of warranty.
4.3	Standard maintenance tools
	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning material, to be included in the offer. Bidders to specify the quantity of every item included in their offer (including items not specified above).
5	Operation, maintenance and installation
5.1	Operation and maintenance manual
	At least one set of operation, maintenance and service manuals, written in United Nations languages (or at least in English) and preferably also in the official national language of the country requesting the UPS.
5.2	Installation and maintenance
(a)	The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.
(b)	The bidder to provide user training (including how to use and maintain the equipment) and a comprehensive maintenance plan. The cost of the maintenance plan to be defined and guaranteed over the period of warranty.
5.3	Standard maintenance tools
	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning material, to be included in the offer. Bidders to specify the quantity of every item included in their offer (including items not specified above).
6	Documentation
(a)	Manufacturer's certificate: The manufacturer must have a management system certified to ISO 9001.
(b)	Quality and safety standards met by the product to be listed.

Schedule No. 15

NAME OF EQUIPMENT: Water Distillation Unit

Sr. No.	Technical Specifications
1	Main specifications
(a)	Complete unit made in stainless steel.
(b)	Constant level arrangement for inlet water
(c)	Wall hanging model, provided with MS Bracket for wall mounting
(d)	Boiling Chamber, Lid, Cooling Condenser and any other part coming into contact with water / steam should be made of 304 quality stainless steel.
(e)	Heating achieved by kettle type immersion heaters(two)
(f)	Capacity of the plant should be 5 litres (approx.) per hour
(g)	should be provided with necessary safety features such as automatic disconnection of heater connections should the still run dry
2	Electricity requirements
(a)	Should work on 220/440 volts, AC Mains, the line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.

Schedule No. 16

NAME OF EQUIPMENT: Water Bath

Sr. No.	Technical Specifications
1	Main specifications:
(a)	Stainless Steel, insulated double walled, Inner wall of stainless steel
(b)	Thermostatic temp. control from ambient to 85 - 90° C ($\Delta 0.50$) complete with immersion heater
(c)	Aluminum /SS cover
(d)	Brass drain cock
(e)	Dimensions outside: - (approx.)36x41x25 cms; inside:- (approx.)27x30x15 cms; Capacity not given because the dimensions specified are required for the proper functioning of the water bath in the Laboratory for optimum utilization of the space.
(f)	Digital microprocessor display to set temperature point preventing thermal runaway
(g)	Seamless reservoir with no welds to leak or rust, see- through cover is hinged and removable, and steeply gabled to accept taller samples
2	Electricity requirements:
(a)	Should work on 220-240 volts, AC, 50 Hz, the line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards
(b)	Power: (approx.) 480W

Schedule No. 17

NAME OF EQUIPMENT: Hot Air Oven (For sterilization) – 260 liters

Sr. No.	Technical Specifications
1)	Description of function and use: Hot Air Oven of this larger capacity will be used for sterilization of glass ware, etc. in washing and sterilization area of the TB C&DST Lab
2)	Main specifications:
a)	Thermostatically controlled
b)	temperature range ambient to 250°C with fine and coarse adjustment, Memmert type with fan, digital display,
c)	Volume of interior housing: Approx.- 250-300 liters
d)	Housing : preferably stainless steel or at least with a durable, corrosion resistant coating of metal (e.g. galvanized sheet metal coated with epoxy, hardened by heat treatment).
e)	Stainless steel (SS) interiors with supports on three sides, adjustable three shelves.
f)	Fan convection to ensure uniform temperature
g)	fitted with load indicator and safety thermostat take over indicator lamp
h)	Temperature variation +1°C, LCD/LED indicator.
i)	The apparatus should conform to latest IS6365-1971 in Indian Standard Specification for Laboratory Electric Ovens or equivalent National or International Standards covering Markings, tests and Safety requirements. Voltage Regulator of appropriate rating to be included to cope with 160- 260V. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.

Schedule No. 18

NAME OF EQUIPMENT: pH meter

Sr.	Technical Specifications
1	Main specifications:
(a)	pH range 0-14 with digital display and stand by and calibration mode
(b)	Bench top with shielded electrode bulb and waterproof housing
(c)	Temperature compensation should be provided
(d)	Calibration with at least three standard calibration buffers (pH 4.0, 7.0, 10.0)
(e)	Resolution: 0.01 pH units
(f)	Accuracy: ± 0.01 pH units
(g)	No. of Display Digits: Three
(h)	Provision of spare electrode
2	Electricity requirements:
	<ul style="list-style-type: none">- Supply voltage: 230 ± 10 V, AC, 50/60 Hz- Voltage and plugs to be adapted to meet the country requirements- The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards
3	Documentation
(a)	The manufacturer must have a management system certified to ISO 9001
(b)	A certificate to state that the pH meter has been calibrated at the factory

Schedule No. 19

NAME OF EQUIPMENT: Deep Freezer (-86°C)

Sr. No	Technical Specifications
1.	Upright Model: CFC free high efficiency double refrigeration system for cooling and freezing filled in the bottom.
2.	Temperature: -50°C to 86°C $\pm 1^\circ\text{C}$ (to work in -70 to -86 °C range)
3.	Temperature Control:
a)	Digital temperature controller (including display at suitable eye level)
b)	Microprocessor Control/Microcontroller-for temperature setting
c)	Alarms for-Voltage, Over heat, Over cool as well as for under temperature, power fail, Door ajar conditions.
4.	Size
a)	300 liters or more (up to 450 L) with minimum 4 Stainless Steel, rust free shelves.
b)	Fixed in casters for easy maneuverability.
c)	Polystyrene Insulated inner doors for the compartments.
d)	Pre-coated metal body to prevent environmental damage.
5	Electricity: 230 volts AC, 50Hz single phase. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.
6	Refrigeration system:
a)	Heavy-duty maintenance free refrigeration system with hermetically sealed refrigeration compressors and reliable cascaded refrigeration to minimize noise and vibration.
b)	Air-cooled with security lock to prevent unintentional switch off.
c)	Short cooling time of 6 to 7 hours at 40°C ambient temperature.
d)	The equipment should be of continuous duty and frost- free.
e)	Convenient Air Filter Grill allows easy access for cleaning and changing. Access port for CO2 back up.
f)	It shall be fitted with 24x7 temperature recorders / data loggers which allows for a minimum of 3 GB data storage and the data must be downloadable via a USB port.
g)	Deep freezer shall not have an automated defrosting system without a manual override.
h)	Audiovisual Electronic Alarm System independent of power supply and Remote alarm contact in case of equipment failure/ power failure
i)	Electrically heated doors for quick opening of frozen doors.
j)	Accessories to include suitable boxes and racks for storage of specimen deposits/ DNA extracts/culture isolates in cryo-vials (16 in No. of suitable dimension for 2 ml cryo-vials). Cryo-gloves (4 sets wrist length 12") to be provided as part of accessories.
7	Remarks: The apparatus should conform to Indian Standard Institution Guidelines with latest amendments in Indian Standard Specification for Laboratory Deep Freezers or equivalent National or International Standards covering Markings, tests and Safety requirements. Voltage regulator of appropriate rating to be included to cope with 160-260 V

Schedule No. 20

NAME OF EQUIPMENT: Deep Freezer (-20°C)

Sr. No.	Technical Specifications
1.	Description of function and use: The freezer is mainly used to store strains, enzymes and other temperature-sensitive reagents
2.	Main Specifications
a)	100% CFC- free.
b)	One-door freezer, to be used as free-standing freezer.
c)	Capacity (gross): ≥ 140 liters (up to 200L).
d)	Dimensions (W \times D \times H): approximately 60 cm \times 60 cm \times 85 cm.
e)	Net (interior compartment) W \times D \times H: approximately 47 cm \times 43 cm \times 69 cm.
f)	Cooling system, static.
g)	Defrosting of freezing compartment, initiated manually.
h)	Temperature range of freezer compartment: -9°C to -25°C which can be set by user for specific temperature
i)	Housing material and door: steel, coated, white.
j)	Polyurethane foam "PUF" insulation
k)	Door hinges right or left as desired, reversible.
l)	Fungus-resistant door gasket.
m)	Door with key lock.
n)	Adjustable feet for levelling.
o)	Interior container made of white plastic. At least three shelves with wire baskets. Optional - Four shelves in the freezing compartment, at least three closed with a freezing flap.
p)	External digital temperature display for freezer compartment with high accuracy sensor mounted inside the chamber suspended in air.
q)	Control panel at the top of cabinet with thermometer Alarms for-Voltage, Over heat, Over cool as well as for under temperature, power fail, Door ajar conditions
r)	Refrigerant: CFC Free.
3.	Electricity requirements
a)	Supply voltage: 230 ± 10 V, AC, 50/60 Hz. Voltage and plugs to be adapted to meet the country requirements. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.
b)	Power consumption: Approximately 150 W.
i)	Conform to Indian Electrical Safety standards or International standards like IEC 60601-1, UL 61010-1, EN 61010-1.
ii)	Protection class (in accordance with EN 60529).
4.	Documentation
a)	Manufacturer's certificate
i)	The manufacturer must have a management system certified to ISO 9001.
ii)	Declaration of conformity to the requirements of standards and regulations of the directives that apply to the product, including energy classification, gas used as refrigerant, climate class.
iii)	One certificate to state that the freezer has been calibrated at the factory.
b)	Quality and safety standards met by the product must be listed.
5.	Operation, maintenance and installation
a)	Operation and maintenance manual At least one set of operation, maintenance and service manuals for the freezer, written in United Nations languages (or at least in English) and preferably also in the official national language of the country requesting the freezer.

b)	<p>Installation and maintenance</p> <p>Any prerequisites for installation to be communicated to the purchaser in advance, in detail. The supplier to provide an after-sale service that covers the whole country. The service to have competent staff, adequate infrastructure and sufficient spare parts to be able to respond to any complaints and to repair or replace the freezer within 14 days.</p>
c)	Standard maintenance tools:
i)	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning material, to be included in the offer.
ii)	Bidders to specify the quantity of every item included in their offer (including items not specified above).
d)	<p>Spare parts:</p> <p>Each freezer to be accompanied by an authorized list of accessories and spare parts.</p>
6.	<p>Remarks</p> <p>The equipment offered, including its power supply, to be designed and constructed to operate properly and continuously in the conditions of the purchaser's country; the equipment may need to tolerate high humidity (as high as 90% at 35 °C), ambient temperatures of 5–40 °C, fungi, and spikes in the electricity supply.</p> <p>Bidders may propose products additional to the requirements listed above.</p>

Schedule No.21

#1 of 3: NAME OF EQUIPMENT: Variable Volume Pipette (20-200 µL)

Sr. No.	Technical Specifications								
1)	Description of function and use: Microliter pipettes are used for molecular biology procedures. a set of different volumes is required such as of 0.5 to 10µL, 2-20 µL, 20-200 µL and 100-1000 µL								
2)	Main specifications:								
a)	Single-channel microliter pipettes.								
b)	Fully autoclavable (121 °C); UV-resistant material								
c)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Pipette for Range</th> <th style="text-align: center;">Increment</th> <th style="text-align: center;">Accuracy</th> <th style="text-align: center;">Precision</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">20 to 200 µL</td> <td style="text-align: center;">1 µL</td> <td style="text-align: center;">±1.8-0.6%</td> <td style="text-align: center;">0.7 to 0.2%</td> </tr> </tbody> </table> <p>-In accuracy, first value applies to smallest volume, last one to the largest volume in the stated range -In precision, first value applies to smallest volume, last one to the largest volume in the stated range</p>	Pipette for Range	Increment	Accuracy	Precision	20 to 200 µL	1 µL	±1.8-0.6%	0.7 to 0.2%
Pipette for Range	Increment	Accuracy	Precision						
20 to 200 µL	1 µL	±1.8-0.6%	0.7 to 0.2%						
d)	Three defined stops (single-button operation preferred): <ul style="list-style-type: none"> - take-up from the first stop - dispensing and blow out - tip ejection 								
e)	Easy and safe tip ejection mechanism								
f)	Fixation of adjusted volume								
g)	Slim pipette shaft								
h)	Cone for standard tips								
3)	Documentation								
a)	The manufacturer must have a management system certified to ISO 9001								
b)	One certificate to state that the pipette has been calibrated at the factory								
c)	Quality and safety standards met by the product must be listed.								
4)	Operation, maintenance and installation								
4.1)	Operation and maintenance manual								
a)	At least one set of operation, maintenance and service manuals for each microliter pipette, written in UN languages (or at least in English) and preferably also in the official national language of the country.								
4.2)	Installation and maintenance								
a)	The supplier to provide an after-sale service that covers the whole country								
b)	The service to have competent staff, adequate infrastructure and sufficient spare parts to be able to respond to any complaints and to repair or replace the microliter pipette within 14 days								
c)	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication material, to be included in the offer. Bidders to specify the quantity of every item included in their offer (including items not specified above								
d)	A maintenance kit, with full documentation and tools for in-laboratory calibration according to ISO 9000, are part of the procurement. <ul style="list-style-type: none"> - Spare parts - Gaskets. - Lubricants. Each microliter pipette to be accompanied by an authorized list of accessories and spare parts								
5)	Remarks: The equipment offered to be designed and constructed to operate properly and continuously in the conditions of the purchaser's country; the equipment may need to tolerate high humidity, ambient temperatures of 5–40 °C and fungi								
a)	Bidders may propose additional products to the requirements listed above								

#2 of 3: NAME OF EQUIPMENT: Variable Volume Pipette (100-1000 µl)

Sr. No.	Technical Specifications								
1)	Description of function and use: Microliter pipettes are used for molecular biology procedures. a set of different volumes is required such as of 0.5 to 10µL, 2-20 µL, 20-200 µL and 100-1000 µL								
2)	Main specifications:								
a)	Single-channel microliter pipettes.								
b)	Fully autoclavable (121 °C); UV-resistant material								
c)	<table border="1" data-bbox="305 520 1388 583"> <thead> <tr> <th data-bbox="305 520 565 552">Pipette for Range</th> <th data-bbox="565 520 841 552">Increment</th> <th data-bbox="841 520 1117 552">Accuracy</th> <th data-bbox="1117 520 1388 552">Precision</th> </tr> </thead> <tbody> <tr> <td data-bbox="305 552 565 583">100 to 1000 µL</td> <td data-bbox="565 552 841 583">5 µL</td> <td data-bbox="841 552 1117 583">±1.0-0.6%</td> <td data-bbox="1117 552 1388 583">0.7 to 0.2%</td> </tr> </tbody> </table>	Pipette for Range	Increment	Accuracy	Precision	100 to 1000 µL	5 µL	±1.0-0.6%	0.7 to 0.2%
	Pipette for Range	Increment	Accuracy	Precision					
100 to 1000 µL	5 µL	±1.0-0.6%	0.7 to 0.2%						
<p data-bbox="305 615 1485 646">-In accuracy, first value applies to smallest volume, last one to the largest volume in the stated range</p> <p data-bbox="305 646 1485 678">-In precision, first value applies to smallest volume, last one to the largest volume in the stated range</p>									
d)	Three defined stops (single-button operation preferred): <ul style="list-style-type: none"> - take-up from the first stop - dispensing and blow out - tip ejection 								
e)	Easy and safe tip ejection mechanism								
f)	Fixation of adjusted volume								
g)	Slim pipette shaft								
h)	Cone for standard tips								
3)	Documentation								
a)	The manufacturer must have a management system certified to ISO 9001								
b)	One certificate to state that the pipette has been calibrated at the factory								
c)	Quality and safety standards met by the product must be listed.								
4)	Operation, maintenance and installation								
4.1)	Operation and maintenance manual								
a)	At least one set of operation, maintenance and service manuals for each microliter pipette, written in UN languages (or at least in English) and preferably also in the official national language of the country.								
4.2)	Installation and maintenance								
a)	The supplier to provide an after-sale service that covers the whole country								
b)	The service to have competent staff, adequate infrastructure and sufficient spare parts to be able to respond to any complaints and to repair or replace the microliter pipette within 14 days								
c)	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication material, to be included in the offer. Bidders to specify the quantity of every item included in their offer (including items not specified above)								
d)	A maintenance kit, with full documentation and tools for in-laboratory calibration according to ISO 9000, are part of the procurement. <ul style="list-style-type: none"> - Spare parts - Gaskets. - Lubricants. Each microliter pipette to be accompanied by an authorized list of accessories and spare parts								
5)	Remarks: The equipment offered to be designed and constructed to operate properly and continuously in the conditions of the purchaser's country; the equipment may need to tolerate high humidity, ambient temperatures of 5–40 °C and fungi								
a)	Bidders may propose additional products to the requirements listed above								

**#3 of 3: NAME OF EQUIPMENT: Racks Suitable for pipettes offered,
at least 4 positions**

1	Technical Specifications
(a)	Made of Poly propylene/acrylic, racks suitable for standard pipettes, 4 positions
(c)	High chemical resistant (at least to bleach, phenol and alcohol)

Section VI – Bidding Forms

Letter of Technical Bid

The Bidder must prepare the Letter of Technical Bid on its letterhead clearly showing the Bidder's complete name and address.

Note: All italicized text is for use in preparing these forms and shall be deleted from the final products.

Date: **[insert date (as day, month and year) of Bid Submission]**

Bid Ref. No.: **[insert number of bidding process]**

To: ***[insert complete name of Purchaser]***

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB 10);
- (b) We meet the eligibility requirements and have no Conflict of Interest in accordance with ITB 4;
- (c) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods: **[insert table giving Schedule No. and brief description of the Goods, Equipment and Related Services];**
- (d) Our bid shall be valid for a period fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) If our bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;
- (f) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process in accordance with ITB 4.3(e), other than alternative bids submitted in accordance with ITB 13;
- (g) We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not debarred by any Procuring Entity under the State / UT Government, the Central Government, Autonomous body, Authority by whatever name called under them, UNOPS, UNDP, SAMS or GFATM as on the date of opening of bids;
- (h) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any activities which is in contravention of the Code of Integrity proscribed in ITB Para 3 of the Bidding Documents;

- (i) We hereby certify that we are neither associated nor has been associated directly or indirectly with the consultant or any other entity that has prepared the design, specifications and other documents for the subject matter of procurement or is being proposed as Project Manager for the contract
- (j) We hereby certify that we have fulfilled our obligations to pay all such taxes as payable to the Central Government or the State Government or any local authority;
- (k) We hereby certify that we are not insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and must not be the subject of legal proceedings for any of the foregoing reasons;
- (l) We hereby certify that our directors and officers have not been convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
- (m) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and

Name of the Bidder _____

Name of the person duly authorized to sign the Bid on behalf of the Bidder _____

Title of the person signing the Bid _____

Signature of the person named above _____

Date signed _____

Bidder Information Form

[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: *[insert date (as day, month and year) of Bid Submission]*

Bid Ref. No.: *[insert number of bidding process]*

1. Bidder's Name <i>[insert Bidder's legal name]</i>
2. Bidder's year of registration: <i>[insert Bidder's year of registration]</i>
3. Bidder's Address: <i>[insert Bidder's legal address]</i>
4. Bidder's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> Email Address: <i>[insert Authorized Representative's email address]</i>
5. Attached are copies of original documents of <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITB 4.3. <input type="checkbox"/> Organizational chart, a list of Board of Directors, and the beneficial ownership. <input type="checkbox"/> GSTIN Registration Certificate <input type="checkbox"/> Any other document

Technical Specification Compliance

(ITEM-BY-ITEM COMMENTARY ON THE PURCHASER'S TECHNICAL SPECIFICATIONS) to be filed

[Please refer ITB Para 5 of the Bid Document]

Bidders must complete the table below.

Schedule No. ____

Name of Equipment: _____

Sr. No.	Tender Technical Specification Requirement	Bidder's Specification (technical compliance/ Deviation, if any)
		Make:
		Model:.....
	As per Technical Specifications given in Section V: Schedule of Requirements under section 3.A.Technical Specification-General Requirement & 3.B, Technical Specifications-Specific Requirement	

Letter of Financial Bid

The Bidder must prepare the Letter of Financial Bid on its letterhead clearly showing the Bidder's complete name and address.

Note: All italicized text is for use in preparing these forms and shall be deleted from the final products.

Date: **[insert date (as day, month and year) of Bid Submission]**

Bid Ref. No.: **[insert number of bidding process]**

To: **[insert complete name of Purchaser]**

- (a) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods: **[insert table giving Schedule No. , brief description of the Goods, Equipment and Related Services and Total Bid Price]** as per attached Price Schedule attached Price Schedule.
- (b) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Name of the Bidder

Name of the person duly authorized to sign the Bid on behalf of the Bidder

Title of the person signing the Bid

Signature of the person named above

Date signed

Form of Price Schedule

A. Price Schedule for Goods

[The Bidder shall fill in the Price Schedule Form for Goods in accordance with the instructions indicated. The list of line items in column 1 of the Price Schedules shall coincide with the List of Goods specified by the Purchaser in the Schedule of Requirements and may be appropriately modified as per requirement of particular Goods]

1	2	3	4	5	6	7	8	9
Schedule No. / Lot No.	Description of Goods	Physical Unit	Quantity	Unit Price (DDP – Place of Final Destination) inclusive of all costs, taxes, duties to deliver goods at final destination, except IGST/SGST/CGST paid or payable on goods	Total Price of Goods (Col. 4 x 5)	Total Price for related services except IGST/SGST/CGST paid or payable on related services	Total Bid Price of Goods (Col. 6+7)	IGST/SGST/CGST paid / payable on goods (rate and amount)
I								
II								
	Total Bid Price for Goods (A)						_____	

Signature and seal of bidder's authorized signatory

B. Price Schedule for Related Services

[The Bidder shall fill in the Price Schedule Form for related services in accordance with the instructions indicated. The list of line items in column 1 of the Price Schedules shall coincide with the List Related Services specified by the Purchaser in the Schedule of Requirements and may be appropriately modified as per requirement of particular related services]

1	2	3	4	5	6	7	8	9
Schedule No. / Lot No.	Brief Description of Goods	Description of Related Services	Quantity of Goods (Nos.)	Unit Cost of related services (Year-4)	Unit Cost of related services (Year-5)	Total Unit Cost of related services (Col. 5 + 6)	Total Bid Price of Related Services (Col. 7 x 4)	IGST/ SGST/ CGST paid / payable on related Services (rate and amount)
I		Example: CMC / of 2 years after expiry of warranty period						
II								
	Total Bid Price for Related Services (B)						_____	

Signature and seal of bidder's authorized signatory

Form of Bid Security

(Bank Guarantee)

[The bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated.]

Beneficiary: *[Purchaser to insert its name and address]*

Bid Ref. No.: *[Purchaser to insert reference number for the Invitation for Bids]*

Date: *[Insert date of issue]*

BID GUARANTEE No.: *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that _____ *[insert name of the Bidder,]* (hereinafter called "the Applicant") will submit to the Beneficiary its bid (hereinafter called "the Bid") for the execution of _____ under Bid Ref. No. _____ ("the Bidding Documents").

Furthermore, we understand that, according to the Beneficiary's conditions, bids must be supported by a bid guarantee.

At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of _____ (_____) upon receipt by us of the Beneficiary's complying demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Applicant:

- (a) has withdrawn its Bid during the period of bid validity set forth in the Applicant's Letter of Bid ("the Bid Validity Period"), or any extension thereto provided by the Applicant; or
- (b) having been notified of the acceptance of its Bid by the Beneficiary during the Bid Validity Period or any extension thereto provided by the Applicant, (i) has failed to execute the contract agreement, or (ii) has failed to furnish the performance security, in accordance with the Instructions to Bidders ("ITB") of the Beneficiary's bidding document.

This guarantee will expire: (a) if the Applicant is the successful bidder, upon our receipt of copies of the contract agreement signed by the Applicant and the performance security issued to the Beneficiary in relation to such contract agreement; or (b) if the Applicant is not the successful bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the bidding process; or (ii) twenty-eight days after the end of the Bid Validity Period.

Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

[Signature(s)]

Note: All italicized text is for use in preparing this form and shall be deleted from the final product.

Manufacturer's Authorization

*[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the **BDS**.]*

Date: *[insert date (as day, month and year) of Bid Submission]*

Bid Ref. No.: *[insert number of bidding process]*

To: *[insert complete name of Purchaser]*

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid, the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 29 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Proforma for Performance Statement (for a period of last three years)

Name of the Firm _____

Order placed by (full address of Purchaser)	Order No. and Date	Description and quantity of ordered goods	Value of order	Date of completion of delivery		Remarks indicating reasons for late delivery, if any	Has the supply of goods been satisfactory performance?*
				As per contract	Actual		
1	2	3	4	5	6	7	8

Signature and seal of the Bidder

The Bidder shall also furnish the following documents in connection with their past performance:

- i. Copy of Purchase Orders
- ii. Copy of Invoices
- iii. Proof of Payment received from Purchasers
- iv. Documentary evidence (Client's certificate) in support of satisfactory completion of contract

Proforma for Other Details of Bidder, Manufacturer and its Bank

1. Name & full address of the Manufacturer:

2. (a) Telephone & Fax No

Office /Works

(b) Email

3. Location of the manufacturing factory.

4. Name & full address of the Bidder

5. (a) Telephone/Mobile & Fax No

Office/Factory/Works

(b) Email

6. Details of two Persons that Purchaser may contact for requests for clarification during bid evaluation:

	1 st	2 nd
(i) Name:		
(ii) Tel number (direct):		
(iii) Mobile No.		
(iv) Email address		

7. Bank details from where the Bank Guarantee for Bid Security has been issued:

(i) Name and address of the Bank:

(ii) Name of the contact Person

(iii) Phone number/Mobile

(iv) Fax Number

(v) Email address

Signature and seal of the Bidder

Section IX – General Conditions of Contract

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Section VII. General Conditions of Contract

1. Definitions

1.1 The following words and expressions shall have the meanings hereby assigned to them:

- (a) "Contract" means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- (b) "Contract Documents" means the documents listed in the Contract Agreement, including any amendments thereto.
- (c) "Contract Price" means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
- (d) "Day" means calendar day.
- (e) "Completion" means the fulfilment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
- (f) "GCC" means the General Conditions of Contract.
- (g) Goods may include all articles, material, commodities, electricity, livestock, furniture, fixtures, raw material, spares, instruments, software, machinery, equipment, industrial plant, vehicles, aircraft, ships, railway rolling stock and any other category of goods, whether in solid, liquid or gaseous form, purchased or otherwise acquired for the use of a procuring entity as well as services or works incidental to the supply of goods of the value of services or works or both does not exceed that of the goods themselves.
- (h) "Purchaser" means the entity purchasing the Goods, **as specified in the SCC.**
- (i) "SCC" means the Special Conditions of Contract.
- (j) "Subcontractor" means any person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.
- (k) "Supplier" means the person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement.
- (l) "Consignee Location" means the place named in the **Schedule of Requirements.**

2. Contract Documents

2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.

3. Code of Integrity

3.1 The Purchaser and all officers or employees of the purchaser, whether involved in the procurement process or otherwise, or Bidders and their

representatives or consultants or service providers participating in a procurement process or other persons involved, directly or indirectly in any way in a procurement process shall maintain an unimpeachable standard of integrity.

3.2 Purchaser prescribes to the its personnel and Bidders to uphold the Code of Integrity, which prohibits officers or employees of a Purchaser or a person participating in a procurement process the following:

- (i) any offer, solicitation or acceptance of any bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process;
- (ii) any omission, including a misrepresentation that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- (iii) any collusion, bid rigging or anti-competitive behaviour to impair the transparency, fairness and progress of the procurement process;
- (iv) improper use of information shared between the procuring entity and the bidders with an intent to gain unfair advantage in the procurement process or for personal gain;
- (v) any financial or business transactions between the bidder and any officer or employee of the Purchaser, who are directly or indirectly related to tender or execution process of contract;
- (vi) any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (vii) any obstruction of any investigation or audit of a procurement process;
- (viii) making false declaration or providing false information for participation in -
 - a) tender process or to secure a contract;
 - b) disclosure of Conflict of Interest;
 - c) disclosure by the bidder of any previous transgressions with any entity in India or any other country during the last three years or of any debarment by any other Procuring Entity

- 3.3 In case of any breach of the Code of Integrity by a bidder or a prospective bidder, as the case may be, the Purchaser after giving a reasonable opportunity of being heard, may take appropriate measures including –
- a) exclusion of the bidder from the procurement process;
 - b) calling off of pre-contract negotiations and forfeiture or encashment of bid security;
 - c) forfeiture or encashment of any other security or bond relating to procurement;
 - d) recovery of payments made by the Purchaser along with interest thereon at bank rate;
 - e) cancellation of the relevant contract and recovery of compensation for loss incurred by the Purchaser;
 - f) debarment of the bidder from participation in any future procurements from Purchaser for a period not exceeding three years.

4. Interpretation

4.1 If the context so requires it, singular means plural and vice versa.

4.2 Incoterms

- a) Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms.
- b) The term DDP and other similar terms, when used, shall be governed by the rules prescribed in the current edition of Incoterms **as specified in the SCC** and published by the International Chamber of Commerce in Paris, France.

4.3 Entire Agreement

The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the date of Contract.

4.4 Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

4.5 Non-waiver

- (a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party

of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.

- (b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

4.6 Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

5. Language

5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be written in English language. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by a self-certified accurate translation of the relevant passages in English language, in which case, for purposes of interpretation of the Contract, this translation shall govern.

5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.

6. Joint Venture or Consortium

6.1 If the Supplier is a joint venture, or consortium, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture or consortium. The composition or the constitution of the joint venture or, consortium, shall not be altered without the prior consent of the Purchaser.

7. Eligibility

7.1 The Supplier and its Subcontractors shall have the nationality of any country with which India has not banned trade relations.

7.2 All Goods to be supplied under the contract shall have their origin in India or any other country with which India has not banned trade relations. The term "origin" used in this clause means the place where the goods are mined, grown, produced, or manufactured or from where the related services are arranged and supplied

8. Notices

8.1 Any notice given by one party to the other pursuant to the Contract shall be in writing to the **address specified in the SCC**. The term "in writing" means communicated in written form with proof of receipt.

8.2 A notice shall be effective from the date of delivery or on the notice's effective date, whichever is later. In case of electronic mode of communication, a notice shall be effective from the time of sending of the electronic communication.

9. Governing Law

9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Union of India.

10 Settlement of Disputes

- 10.1 The Purchaser and the Supplier shall make every effort to resolve amicably any disagreement or dispute arising between them under or in connection with the Contract.
- 10.2 Dispute Redress mechanism/ Committees: 2-tier (Procuring entity level headed by the Director, State Redress Committee).
- 10.3 If, the dispute is not settled through dispute settlement mechanism and if after sixty (60) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration wherever applicable, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the rules of procedure **specified in the SCC.**
- 10.4 Notwithstanding any reference to arbitration herein,
 - (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
 - (b) the Purchaser shall not be required to pay the Supplier any monies to the Supplier in respect of the matter related to the arbitration unless otherwise agreed.

11. Inspections and Audit by the Purchaser

- 11.1 The Supplier shall keep, and shall make all reasonable efforts to cause its Subcontractors to keep, accurate and systematic accounts and records in respect of the Goods in such form and details as will clearly identify relevant time changes and costs.
- 11.2 The Supplier shall permit, and shall cause its Subcontractors to permit, the Purchaser and/or persons appointed by the Purchaser to inspect the Supplier's offices and all accounts and records relating to the performance of the Contract and the submission of the bid, and to have such accounts and records audited by auditors appointed by the Purchaser, if requested. The Supplier's and its Subcontractors and consultants' attention is drawn to Clause 3 [Code of Integrity], which provides, inter alia, that acts intended to materially impede the exercise of the Purchaser's inspection and audit rights provided for under this Sub-Clause 11.1 constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the Purchaser's prevailing sanctions procedures)

12. Scope of Supply

- 12.1 The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.

13. Delivery and Documents

- 13.1 Subject to GCC Sub-Clause 33.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of

Requirements. The details of shipping and other documents to be furnished by the Supplier are specified in the **SCC**.

- 14. Supplier's Responsibilities** 14.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 12, and the Delivery and Completion Schedule, as per GCC Clause 13.
- 15 Contract Price** 15.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in the **SCC**.
- 16. Terms of Payment** 16.1 The Contract Price, including any Advance Payments, if applicable, shall be paid as specified in the **SCC**.
- 16.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and related services performed, and by the documents submitted pursuant to GCC Clause 13 and upon fulfillment of all other obligations stipulated in the Contract.
- 16.3 Payments shall be made by the Purchaser, after submission of an invoice or request for payment by the Supplier, and after the Purchaser has accepted it subject to the defect liability as specified in the SCC.
- 16.4 The payments shall be made to the Supplier under this Contract in Indian Rupees only.
- 17. Taxes and Duties** 17.1 The Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.
- 18. Performance Security** 18.1 If required as specified in the SCC, the Supplier shall, within fifteen (15) days of the notification of contract award, provide a performance security for the performance of the Contract in the amount specified in the **SCC**.
- 18.2 The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 18.3 The Performance Security if required, shall be denominated in Indian Rupees and shall be in one of the format stipulated by the Purchaser in the **SCC**.
- 18.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than twenty-eight (28) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the **SCC**.
- 19. Copyright** 19.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third

party, including suppliers of materials, the copyright in such materials shall remain vested in such third party

20. Patent Indemnity

20.1 The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 20.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

- (a) the installation of the Goods by the Supplier or the use of the Goods at the Purchaser's Site; and
- (b) the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

20.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Sub-Clause 20.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

20.3 If the Supplier fails to notify the Purchaser within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.

20.4 The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.

20.5 The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification,

or other documents or materials provided or designed by or on behalf of the Purchaser.

21. Confidential Information

- 21.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 20.
- 21.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the performance of the Contract.
- 21.3 The obligation of a party under GCC Sub-Clauses 21.1 and 21.2 above, however, shall not apply to information that:
- (a) the Purchaser or Supplier need to share with the such institution(s) participating in the financing of the Contract;
 - (b) now or hereafter enters the public domain through no fault of that party;
 - (c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
 - (d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
- 21.4 The above provisions of GCC Clause 21 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.
- 21.5 The provisions of GCC Clause 21 shall survive completion or termination for whatever reason, of the Contract.

22. Subcontracting

- 22.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the bid. Such notification, in the original bid or later shall not relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.
- 22.2 Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.

- 23. Specifications and Standards**
- 23.1 Technical Specifications and Drawings
- (a) The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section VI, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin.
 - (b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.
 - (c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with GCC Clause 33.
- 24. Packing and Documents**
- 24.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 24.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the **SCC**, and in any other instructions ordered by the Purchaser.
- 25. Insurance**
- 25.1 Unless otherwise specified in the **SCC**, the Goods supplied under the Contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the **SCC**.
- 26. Transportation and Incidental Services**
- 26.1 Unless otherwise specified in the **SCC**, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.
- 26.2 The Supplier may be required to provide any or all of the following services, including additional services, if any, **specified in SCC**:
- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
 - (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;

- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- (e) training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

26.3 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services

27. Inspections and Tests

27.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods as are specified in the **SCC**.

27.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the Goods' final destination, or in another place in the Purchaser's Country as specified in the **SCC**. Subject to GCC Sub-Clause 27.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.

27.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 27.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.

27.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.

27.5 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.

27.6 The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Sub-Clause 27.4.

27.7 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the

Purchaser or its representative, nor the issue of any report pursuant to GCC Sub-Clause 27.5, shall release the Supplier from any warranties or other obligations under the Contract.

28. Liquidated Damages

28.1 Except as provided under GCC Clause 32, if the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the **SCC** of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in the **SCC**. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 35.

29. Warranty

29.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

29.2 Subject to GCC Sub-Clause 23.1(b), the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the state.

29.3 Unless otherwise specified in the **SCC**, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof, as the case may be, have been delivered to and accepted at the final destination indicated in the **SCC**.

29.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

29.5 Upon receipt of such notice, the Supplier shall, within the period specified in the **SCC**, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.

29.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the **SCC**, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

30 Limitation of Liability

30.1 Except in cases of criminal negligence or willful misconduct, the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the purchaser with respect to patent infringement.

31. Change in Laws and Regulations

31.1 Unless otherwise specified in the Contract, if after the date of 28 days prior to date of Bid submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in India (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 15.

32. Force Majeure

32.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

32.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

32.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

33. Change Orders and Contract Amendments

33.1 The Purchaser may at any time order the Supplier through notice in accordance to GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- (b) the method of shipment or packing;
- (c) the place of delivery; and
- (d) the related services to be provided by the Supplier.

33.2 If any such change causes an increase or decrease in the cost of, or the time required for the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within

twenty-eight (28) days from the date of the Supplier's receipt of the Purchaser's change order.

33.3 Prices to be charged by the Supplier for any related services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

33.4 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

34. Extensions of Time

34.1 If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of related services pursuant to GCC Clause 14, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.

34.2 Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 28, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

35. Termination

35.1 Termination for Default

(a) The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:

- i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 34;
- ii) if the Supplier fails to perform any other obligation under the Contract; or
- iii) if the Supplier, in the judgment of the Purchaser has engaged in breach of Code of Integrity, as defined in GCC Clause 3, in competing for or in executing the Contract.

(b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods procured by the Purchaser.. However, the Supplier shall continue performance of the Contract to the extent not terminated.

35.2 Termination for Insolvency.

The Purchaser may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser

35.3 Termination for Convenience.

The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

to have any portion completed and delivered at the Contract terms and prices; and/or

to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier.

36. Assignment

36.1 Neither the Purchaser nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

Section VIII – Special Conditions of Contract

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC

GCC 1.1(h)	The Purchaser is: _____
GCC 1.1 (l)	The Project Site(s)/Final Destination(s) is Specified in Schedule of Requirement.
GCC 4.2 (b)	The version edition of Incoterms shall be <i>2010</i>
GCC 8.1	For notices , the Purchaser's address shall be: _____ For notices , the Supplier's address shall be: _____
GCC 10.3	<p>The rules of procedure for arbitration proceedings pursuant to GCC Clause 10.3 shall be as follows:</p> <p>i) In case of Dispute or difference arising between the Purchaser and a supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996. The arbitral tribunal shall consist of 3 arbitrators one each to be appointed by the Purchaser and the Supplier. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties and shall act as Presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed in accordance with the provisions of the Arbitration and Conciliation Act 1996.</p> <p>ii) If one of the parties fails to appoint its arbitrator in pursuance of sub clause (a) above, within 30 days after receipt of the notice of the appointment of its arbitrator by the other party, then the appointment of the Arbitrator shall be made in accordance with the provisions of the Arbitration and Conciliation Act 1996.</p> <p>iii) The venue of Arbitration shall be New Delhi and the language of the arbitration proceedings and that of all councils and communications between the parties shall be English.</p> <p>iv) The decision of the majority of arbitrators shall be final and binding upon parties. The cost and expenses of Arbitration proceedings will be paid as determined by the arbitral tribunal. However, the expenses incurred by each party in connection with the preparation, presentation, etc. of its proceedings as also</p>

	<p>the fees and expenses paid to the arbitrator appointed by such party or on its behalf shall be borne by each party itself.</p> <p>v) The provisions of the Arbitration and Conciliation Act of 1996 along with the Rules herewith and any statutory modification or reenactment thereof shall apply to arbitration proceedings.</p> <p>vi) If a dispute under the Supplier Contract raises the same issues as those in respect of a related dispute with another supplier contract, the Purchaser will have the option of having the arbitration proceedings joined.</p>
<p>GCC 12 (additional clause 12.2)</p>	<p>Add as a new Clause 12.2 of the GCC</p> <p><i>[in case annual maintenance services are required post warranty, add these clauses with modifications as appropriate]</i></p> <p>The supplier will provide ___ years warranty that will include Comprehensive Annual maintenance (Contract) including all spare parts and repair <i>[insert as required]</i></p> <p>The supplier shall visit each site at least twice a year for preventive maintenance of equipment. During such visits, shall provide operational training to concerned staff on use of equipment. The Schedule of such visits should be shared with consignee in advance. The manufacturer should be able to provide service of equipment across the State within 24 hours after receipt of breakdown report for the metro location and within 3 days for the non-metro located instruments, failing which a penalty as stipulated below will apply</p> <p>During the Warranty period in case of non-compliance of the above, liquidated damages at the rate of 0.075% of the Contract Price per non-functional unit per day, beyond timeline given above (for metro and non-metro located instruments) shall be imposed and equivalent amount shall be deducted from the performance security</p>
<p>GCC 13.1</p>	<p>Details of Documents to be furnished by the Supplier are:</p> <ul style="list-style-type: none"> (i) One original and two copies of the supplier's commercial invoice in name of Purchaser, indicating the Contract number, Goods description, quantity, unit price, and total amount being claimed. Invoices must be signed in original and stamped, or sealed with the company stamp/seal; (ii) Two copies of the packing list identifying contents of each package (iii) One original of the manufacturer's Warranty Certificate covering all items supplied; (iv) Original and two copies of Certificate of Inspection furnished to supplier by the nominated agency (where inspection is required); (v) Original and two copies of Internal Test Analysis Report of the Manufacturer for the items offered (vi) Original of supplier's Certificate of Origin covering all items supplied;

	(vii) Any other/additional procurement-specific documents required for delivery/payment purposes showing delivery up to final destination.
GCC 15.1	The prices charged for the Goods supplied and the related Services performed shall be fixed during the performance of the contract.
GCC 16.1	<p>The payment under this Contract shall be released by the Purchaser after due scrutiny, verification of documents submitted by supplier. Payment shall be made by Electronic clearing systems (ECS) to the Supplier's nominated bank account. The method and conditions of payment to be made to the Supplier shall be as follows:</p> <p><i>[the clauses below are suggestive; the purchaser may modify as appropriate]</i></p> <p>(a) On Delivery: Ninety (90) percent of the Contract Price of the Goods delivered to the consignee shall be paid within sixty (60) days of submission of documents specified in SCC Clause 13 above and Consignee Receipt Certificate</p> <p>(b) On Successful, Installation, Commissioning and Testing of equipment: Ten (10) percent of the Contract Price of Goods received shall be paid within sixty (60) days of receipt of Final Acceptance Certificate issued by the consignee.</p>
GCC 18.1	<p>Within 15 days after the Supplier's receipt of Notification of Award, the Supplier shall furnish Performance Security to the Purchaser for an amount of 10% <i>[insert as appropriate]</i> of the contract value, valid up to 90 days after the date of completion of performance obligations including warranty obligations.</p> <p>In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of 12 months and the Performance Bank Guarantee for proportionate value shall be extended 90 days over and above the extended warranty period.</p>
GCC 18.3	The performance security shall be in the form of a bank guarantee and the named beneficiary shall be _____ [name of purchaser] . The bank guarantee shall be issued by a Scheduled Bank in India and in the format provided in the Bidding Documents.
GCC 18.4	The Performance Security will be discharged and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any warranty obligation, under the contract.
GCC 24.2	<p>The packing, marking and documentation within and outside the packages shall be</p> <p><u>Packing Instructions:</u> The Supplier will be required to make separate packages for each Consignee. Each package will be marked with proper paint/indelible ink with the following: <i>[insert as required]</i></p>

GCC 25.1	The insurance shall be in an amount equal to 110 percent of the CIP value of the Goods from “warehouse” to “warehouse” on “All Risks” basis, including war risks and strikes showing purchaser as Beneficiary.
GCC 26.1	The Supplier is required under the Contract to transport the Goods to the specified place of final destination. Transportation to such place of destination, including unloading, insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs are included in the Contract Price.
GCC 26.2	Incidental services to be provided are: As per Section – V Schedule of Requirement – Technical Specifications
GCC 27.1	The Supplier shall conduct tests to confirm that the goods supplied are as per specification and enclose the test and inspection certificate along with supply.
GCC 27.2	The Purchaser or his representative may conduct the Inspections of the facility any time before the award of contract and also conduct Inspection for the Goods any time before or after the dispatch of Goods. Unless the Goods supplied according to the Schedule of Requirements is satisfactorily installed and training on use of the equipment is provided, the Consignee will not issue the Final Acceptance Certificate.
GCC 28.1	Applicable rate shall not exceed one-half percent (0.5%) per week or part thereof
GCC 28.1	The maximum amount of liquidated damages shall be: 10%
GCC 29.3	(i) In partial modification of the provisions, the warranty period shall remain valid for the period specified in Schedule of Requirements For purposes of the Warranty, the place(s) of final destination(s) shall be: The consignees mentioned in the Schedule of Requirement (Section V)
GCC 29.5	The manufacturer should be able to provide service of equipment across India within 24 hours (modify period as appropriate) after receipt of breakdown report failing which a stipulated penalty will apply In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of 12 months. <i>[modify period as appropriate]</i>

Section – IX Contract Form

Contract Agreement

[The successful Bidder shall fill in this form in accordance with the instructions indicated]

THIS AGREEMENT made

the *[insert: **number**]* day of *[insert: **month**]*, *[insert: **year**]*.

BETWEEN

- (1) *[insert complete name of Purchaser], a [insert description of type of legal entity, for example, an agency of the Ministry of of the Government of { insert name of Country of Purchaser }, or corporation incorporated under the laws of { insert name of Country of Purchaser }] and having its principal place of business at [insert address of Purchaser] (hereinafter called “the Purchaser”), of the one part, and*
- (2) *[insert name of Supplier], a corporation incorporated under the laws of [insert: country of Supplier] and having its principal place of business at [insert: address of Supplier] (hereinafter called “the Supplier”), of the other part :*

WHEREAS the Purchaser invited bids for certain Goods and ancillary services, viz., *[insert brief description of Goods and Services]* and has accepted a Bid by the Supplier for the supply of those Goods and Services

The Purchaser and the Supplier agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other contract documents.
 - (a) the Letter of Acceptance
 - (b) the Letter of Technical Bid and Financial Bid
 - (c) the Addenda Nos. _____ (if any)
 - (d) Special Conditions of Contract
 - (e) General Conditions of Contract
 - (f) the Specification (including Schedule of Requirements and Technical Specifications)
 - (g) the completed Schedules (including Price Schedule)
 - (h) any other document listed in GCC as forming part of the Contract
3. In consideration of the payments to be made by the Purchaser to the Supplier as specified in this Agreement, the Supplier hereby covenants with the Purchaser to provide the Goods and

Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Union of India on the day, month and year indicated above.

For and on behalf of the Purchaser

Signed: *[insert signature]*

in the capacity of *[insert title or other appropriate designation]*

in the presence of *[insert identification of official witness]*

For and on behalf of the Supplier

Signed: *[insert signature of authorized representative(s) of the Supplier]*

in the capacity of *[insert title or other appropriate designation]*

in the presence of *[insert identification of official witness]*

Letter of Acceptance

[on letterhead paper of the Purchaser]

..... **date**

To: *[insert name and address of the Supplier]*

Subject: **Contract No.**

This is to notify you that your Bid dated _____ *[insert **date of bid submitted by the bidder**]* for the execution of _____ *[insert **brief description of Goods and related services**]* against Bid Invitation Ref. No. _____ *(insert **Bid Ref. No.**)* is hereby accepted by the Purchaser for the Contract Amount of Rs. _____ *[insert **amount in numbers and words**]*, as corrected and modified in accordance with the Instructions to Bidders.

You are requested to furnish the Performance Security within 28 days in accordance with the Conditions of Contract, using for that purpose the *of* the Performance Security Form included in Section IX, Contract Forms of the Bidding Documents.

Authorized Signature:

Name and Designation of Signatory:

Name of Purchaser:

Performance Security

Bank Guarantee

[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]

Beneficiary: *[insert name and Address of Purchaser]*

Date: *_ [Insert date of issue]*

PERFORMANCE GUARANTEE No.: *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that *_ [insert name of Supplier]* (hereinafter called "the Applicant") has entered into Contract No. *[insert reference number of the contract]* dated *[insert date]* with the Beneficiary, for the supply of *_ [insert name of contract and brief description of Goods and related Services]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Applicant, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insert amount in figures]* (*[insert amount in words]*),¹ such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the Day of, 2...², and any demand for payment under it must be received by us at this office indicated above on or before that date.

[signature(s)]

¹ *The Guarantor shall insert an amount representing the percentage of the Accepted Contract Amount specified in the Letter of Acceptance.*

² *Insert the date twenty-eight days after the expected completion dates described in GC Clause 18.4. The Purchaser should note that in the event of an extension of this date for completion of the Contract, the Purchaser would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Purchaser might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months][one year], in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."*

Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.

Acknowledgement of Receipt of Goods (for 90% Payment)

(This certificate is to be issued to SAMS and copy to Supplier and FIND. All the three copies should be signed in ORIGINAL.)

CONSIGNEE RECEIPT CERTIFICATE (CRC)

CRC No.

Date

To
Strategic Alliance Management Services Pvt. Ltd,
B01-B03, Vardhman Diamond Plaza,
Community Centre, D. B. Gupta Road,
Pahar Ganj, New Delhi – 110055, INDIA.

This is to certify that the Goods as detailed below have been received duly inspected in good condition in accordance with the Technical specifications and conditions of the Contract/ NOA and amendment if any.

Project Name	Procurement Services to Foundation for Innovative New Diagnostics (FIND)
Purchaser	Strategic Alliance Management Services Pvt. Ltd, on behalf of FIND
Contract i.e. NOA No. & Date	
Description of Goods Supplied Name of Equipment/ Laboratory Materials: Schedule No. as per Contract: Model: Serial No.:	
Packing and labeling details	
Date of manufacturing	
Date of Expiry	
Quantity supplied in Numbers	
Name of Supplier	
Invoice No. and Date	
Date of Delivery at Consignee Destination site	
Consignee full Address Name Address Contact No. Fax No.	

Seal Signature of Designated Consignee

Name :
Designation:
Seal:
Contact No:
Fax No. :

Copy To: (with Original Stamp and signature)

1. To Supplier
2. Procurement Officer, Foundation for Innovative New Diagnostics (FIND), Flat No. 6 & 8 – 14, 9th Floor, Vijaya Bank Building, 17, Barakhamba Road, New Delhi -110001, India

Final Acceptance Certificate (for Balance 10% Payment)
(This certificate is to be issued to SAMS and copy to Supplier. All the three copies 'should be signed in ORIGINAL'.)

FINAL ACCEPTANCE CERTIFICATE (FAC)

FAC No.

Date:

To

Strategic Alliance Management Services Pvt. Ltd,
 B01-B03, Vardhman Diamond Plaza,
 Community Centre, D. B. Gupta Road,
 Pahar Ganj, New Delhi – 110055, INDIA.

Project Name	Procurement Services to Foundation for Innovative New Diagnostics (FIND)
Purchaser	Strategic Alliance Management Services Pvt. Ltd., on behalf of FIND
Contract i.e. Notification of Award No. & Date	
Description of Goods Supplied Name of Equipment: Schedule No. as per Contract: Model: Serial No.:	
Name of Supplier	
Quantity Supplied in Numbers	
List with name of all or any accessories as per contract supplied with the equipment	
Date of Installation, testing and commissioning	
Is successful Installation, testing and commissioning of equipment supplied, upto the satisfaction of User done or not (Yes/No)	
Whether training provided to all users upto the satisfaction or not (Yes/No)	
Date of Final Acceptance	
Invoice No. and Date	
Date of entry in Asset register	
Consignee full Address Name Address Contact No.	

CERTIFICATE

This is to certify that we have received medical Equipment/ lab materials as detailed above in good condition in accordance with the Technical specifications and conditions of the NOA/ Contract and the same has been successfully Installed and Commissioned (if, applicable) on _____ to the satisfaction of all users and entered in the Asset/Consumable/Non-Consumable Register at page no. _____ on _____

**Seal & Signature of Designated
 Consignee
 Name:
 Designation:**

Copy To: (with Original Stamp and signature)

- (1) To Supplier
- (2) Procurement Officer, Foundation for Innovative New Diagnostics (FIND), Flat No. 6 & 8 – 14, 9th Floor, Vijaya Bank Building, 17, Barakhamba Road, New Delhi -110001, India

