



STRATEGIC ALLIANCE Management Services Private Limited

B01-B03, Vardhman Diamond Plaza, Community Centre, D. B. Gupta Road, Paharganj, New Delhi - 110055, INDIA
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RFQ No. SAMS/FIND/BSC/PROCT/LT/08/2016

Dated: 13/06/2016

Limited Tender for Procurement of Biosafety Cabinet- Class II, Type A2 with UPS

REQUEST FOR QUOTATIONS (RFQ)

To,

Dear Sir,

The **Strategic Alliance Management Services Pvt. Ltd. (SAMS)** has been engaged by Foundation for Innovative New Diagnostics (FIND), India for providing procurement consultancy services for equipment, goods, works and services for use in TB Laboratories across India under GFATM Project. Accordingly, SAMS on behalf of FIND is pleased to invite Quotation for Supply of **Bio Safety Cabinets-Class II, Type A2 with UPS**, as per detailed specifications enclosed at Annexure-I, on DDP-Final Destinations terms of delivery basis, as per schedule of requirement enclosed at Annexure-III.

The SAMS hereby request you to submit your Quotation giving in full specifications, name of the manufacturer, catalogue etc. as per our terms and conditions enclosed herewith, latest by **28th June, 2016 till 04.00 PM.**

Particulars of item	Unit	Quantity
Biosafety Cabinet- Class II, Type A2 with UPS	Nos.	2

The quotations with at least 3 months of validity may be sent in double cover duly wax sealed and prominently subscribed "**RFQ No. SAMS/FIND/BSC/PROCT/LT/08/2016**" to be opened on **28th June, 2016 at 04.30 PM.**

The quotations, which are not received duly sealed, mentioning this RFQ number and last date of receiving will not be accepted. **The firms must ensure that besides all these terms and conditions enclosed herewith, the following documents must be submitted in the chronological order (strict compliance) to show their credentials against required qualifications and to avoid rejection of tenders.**

- i. Forwarding letter clearly mentioning the authorized signatory, total number of pages, the model quoted, quotation validity undertaking of 3 months, which can be extended on mutual consent.
- ii. The instruments such as power of attorney, resolution of board etc., authorizing an officer of the bidder and verifying his signature, duly signed by the Authorized signatory of the company/firm. Only such authorized officer of the bidder should sign the tender documents.
- iii. Manufacturer's authorization form as per format attached (Annexure IV) with RFQ/ certificate of authorized dealership.

- iv. Copy of the incorporation / registration certificate issued by an appropriate authority
- v. Technical compliance statement of quoted equipment against required specifications of RFQ, as per format enclosed under technical specifications at Annexure-I.
- vi. Warranty for 3 years from the date of Installation must be given (No conditional warranty shall be accepted).
- vii. Technical Catalogue / brochure of item quoted as per proposed specifications.
- viii. Documents regarding quality standard (example ISO, BIS, CE, US FDA, electrical safety standards etc.) as per the quality criterion specified under Technical Specifications.
- ix. Details (address and contact details) of service centers/ branch offices available in India.
- x. Copies of Purchase Orders issued to your firm, showing experience of the supply and after sale service support for at least two similar contracts for the items included in this RFQ over the period of last three years.
- xi. At least two Client's Certificate for satisfactory / timely supply and installation of similar equipment, during last three years.
- xii. Annual turnover statement for last 3 financial years (2012-13, 2013-14, 2014-15) duly certified by the Chartered Accountant/ Income tax return certificates/ financial statement.
- xiii. VAT/ Excise/Sales tax/Income Tax registration and clearance certificate.

It should be addressed and submitted to the **“STRATEGIC ALLIANCE MANAGEMENT SERVICES PVT. LTD. (SAMS), B01-B03, Vardhman Diamond Plaza, Community Centre, D. B. Gupta Road, Paharganj, New Delhi - 110055, INDIA”** and should reach this office **on or before 28th June, 2016 till 04.00 PM.**

Yours sincerely,

For Strategic Alliance Management Services Pvt. Ltd.

(Sanjay Rastogi)
Director

TERMS & CONDITIONS AND INSTRUCTIONS TO THE BIDDER (ITB)

1. Sealed tender superscribed "**Limited Tender for Bio Safety Cabinet with UPS**" are invited for the detailed in the Schedule (attached herewith) to the "**STRATEGIC ALLIANCE MANAGEMENT SERVICES PVT. LTD. (SAMS), B01-B03, Vardhman Diamond Plaza, Community Centre, D. B. Gupta Road, Paharganj, New Delhi – 110055, INDIA**".
2. The bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the bidder's risk and may result in the rejection of its bid.
3. The tender is to be submitted along with duly signed Terms & Conditions & ITB in a sealed cover which must be clearly marked with the "**Limited Tender for Bio Safety Cabinet with UPS**". The cover should be addressed to STRATEGIC ALLIANCE MANAGEMENT SERVICES PVT. LTD. (SAMS), B01-B03, Vardhman Diamond Plaza, Community Centre, D. B. Gupta Road, Paharganj, New Delhi – 110055, INDIA.
4. The bid shall contain no interlineations erasures or overwriting except as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.
5. Each bidder is entitled to submit only one tender wherein he can, if necessary indicate alternative quotation. In case where more than one tender in a specified group is submitted by him will be liable to rejection.
6. In the event of the space on the prescribed form being insufficient for the required purposes, additional page must be numbers of consecutively bear the tender number and be fully signed by the bidder. In such cases reference to the additional pages must be made in the tender form.
7. The tender must reach this office strictly not later than **28th June, 2016 till 04.00 PM** & the bid must be received by the address specified & no later than the time and date specified in the invitation for bids. In the event of the specified date for the submission of bids being declared a holiday for the purchaser, the bids will be received up to the appointed time on the next working day.
8. It is the responsibility of the bidders to see that the complete bidding documents, whether sent by post or by courier or by person are received by the time and date stipulated for receipt failing which the bid would be considered late and rejected.
9. Any bid received after the deadline for submission of bids prescribed will be rejected and/or returned unopened to the bidder.
10. The bidder may modify or withdraw its bid after the bid's submission provided that written notice of the modification or withdrawal is received by the purchaser prior to the deadline prescribed for submission or bids.
11. No bid may be modified subsequent to the deadline for submission of bids.
12. All supplies should be subject to inspection on receipt and purchaser shall have full discretion to accept or reject. Rejected supply should be removed within 15 days from date of intimation otherwise it will be disposed off in any manner deemed fit by the SAMS/FIND/ Consignees.

13. If the firm fails to supply the items ordered within the stipulated period. The firm will be debarred from SAMS approved vendor list for next three Years.

14. The conditions of the bidder shall not be binding to the SAMS.

15. Delivery and Installation Schedule –

- a. **Delivery should be completed within 30 days after the confirmed Purchase Order.**
- b. Installation, testing, commissioning and training to the consignees must be completed within 15 days of the delivery of equipment at site.
- c. Bidder should clearly mention about the delivery period, if supplier is unable to supply the goods before stipulated time will be treated as non-responsive. Delivery of goods to be carried out as per the **Consignee Distribution List** (Enclosed at **Annexure III**).

16. Terms of Delivery-

DDP- final place of destination as per Consignee Distribution List.

- a. The responsibility of arranging all required documents for supply of goods till final place of destinations, including Road Permits, unloading of equipment and shifting inside laboratory etc. is of the Supplier. The SAMS may only facilitate the Road Permits or declarations for the same.
- b. **The payment of custom duty, clearance etc. and any other kind of taxes, octroi, entry tax, local taxes etc. shall be the responsibility of supplier and should be included in the financial quote.**
- c. Blower, Ducting, Installation, Commissioning and Validation of Equipment is the responsibility of supplier.
- d. Trainings to users of Equipment as per the Consignee Distribution List is the responsibility of supplier.

17. BID PRICES:

- a. The bidder shall indicate on the appropriate Price Form attached to these, the unit prices and total Quotation/tender prices of goods it proposes to supply under the contract. Price should be quoted only in INR in the specified format attached in **Annexure II**.
- b. **Total Price till final Place of Destination on DDP basis, as quoted by the bidders should be inclusive of custom duty, clearance etc. all other applicable taxes and duties (Entry tax, Road Tax, Octroi Duty and other local taxes etc.). It should also include that all goods shall be duly insured up to the final place of destination.**

18. Bid currency

The prices should be quoted only in Indian National Rupees (INR).

19. Document establishing bidder's eligibility and qualifications:

The documentary evidence of the bidder's qualifications to perform the contract if its bid/tender is accepted, shall establish to the purchaser's satisfaction:

- a. That, in the case of bidder offering to supply goods under the contract which the bidder did not manufacture or otherwise produce, the bidder has been duly authorized (as per authorization form in **Annexure-IV**) by the good's manufacturer or producer to supply the goods in India.
- b. That, in the case of a bidder not doing business within India, the bidder is or will be represented by an agent in India equipped and able to carry out the supplier's maintenance; repair and spare parts stocking obligations prescribed by the conditions of contract and/or Technical Specifications

- c. The bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid/tender and its qualifications to perform the contract if its bid/tender is accepted.
- d. The documentary evidence of the bidder's eligibility to bid/tender shall establish to the purchaser's action that the bidder, at the time of submission of its bid, is eligible.

e. **Financial Capability**

The Bidder shall furnish documentary evidence that it meets the following financial requirement(s):

- i. **The Bidders who are manufacturers** should have annual sales turnover of minimum 3 times the estimated value for each schedule during any of the preceding three years, to qualify for a particular schedule. The above criteria will be cumulative for the purpose of evaluating multiple schedules.
- ii. **For non manufacturer Bidders** (excluding agents quoting in the name of the manufacturer): the Bidder should have annual sales turnover of minimum 2 times the estimated value for each schedule, during any of the preceding five years, to qualify for a particular schedule. The above criteria will be cumulative for the purpose of evaluating multiple schedules.

20. Period of validity of bids:

- a. Bids shall remain valid for 3 months after the date of bid/Tender opening prescribed by the purchaser, A bid/tender valid for a shorter period shall be rejected by the purchaser as non-responsive.
- b. In exceptional circumstances, the purchaser may solicit the bidder's consent to an extension of the period of bid/tender validity. The request and the responses thereto shall be made in writing (or by cable or by telex).

21. Format and signing of bid

- a. The bidder shall prepare two copies of the bid, clearly making each "**Original Bid**" and "**Copy of Bid**" as appropriate. In the event of any discrepancy between them, the original shall govern.
- b. The original and all copies of the bid/tender shall be typed or written in indelible ink and shall be signed by the bidder or a person duly authorized to bind the bidder to the contract. The letter authorization shall be indicated by written power-of-attorney accompanying the bid. All pages of the bid, except for unamended printed literature, shall be initialed by the person or person's signing the bid.
- c. The bid/tender shall contain no interlineation, erasures or overwriting except as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

22. Preliminary examination

- a. The purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether the documents have been properly signed, whether the bid/ tender validity is as required and whether the bids are generally, in order.
- b. Bids from agents without proper authorization from the manufacturers or on principal's original Performa invoice with break-up of price shall be treated as non-responsive and shall be rejected.
- c. Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantify, the unit price shall prevail and the total price shall be corrected. If the supplier does not accept the correction of the errors, its bid/ tender will be rejected. If there is a discrepancy between the words and figures, the amount in words shall prevail.

- d. Prior to the detailed evaluation purchaser will determine the substantial responsive-ness of each bid/tender to the bidding documents. For purpose of these clauses, a substantially responsive bid/tender is one which, conforms to all the terms and conditions of the bidding documents without material deviations. The purchaser's determination of a bid's responsiveness is to base on the contents of the bid/tender itself without recourse to extrinsic evidences.
- e. A bid/tender determined as not substantially responsive will be rejected by the purchaser and may not subsequently be made responsive by the bidder by correction of the non-conformity.
- f. The purchaser may waive any minor informality or non-conformity or irregularity in a bid, which does not constitute a material deviation, provided such waiver does not prejudice and affect the relative ranking of any bidder.

23. Evaluation and comparison of bid

- a. The purchaser will technically evaluate all bids previously determined to be responsive and compare the bids previously determined to be substantially responsive and are acceptable.
- b. The comparison of price shall be considering, delivery of goods as per DDP-till final place of destinations, installation, commissioning and training at consignee's end.
- c. The Purchaser's evaluation of a bid will take into account the total unit cost of the item at the consignee's destination inclusive of all kind of duties, taxes and other charges.
- d. The contract shall be awarded only to the bidder who are substantially responsive, offer competitive rates, and meet the qualification requirement stipulated in the bidding documents.
- e. Bidder may bid for one or more schedules (if applicable). Bids will be evaluated for each schedule separately and the contract will comprise the schedule(s) awarded to the successful bidder. Bidders must quote for the entire quantity of each schedule. Bidders who do not quote for full quantity of the schedule will be treated as non-responsive.
- f. Deviations in the delivery schedule and Payment schedule are not permitted.
- g. The Purchaser shall compare all substantially responsive bids to determine the lowest-evaluated bid, in accordance with evaluation criteria mentioned in this bidding document.

24. Award of Contract (Pre-qualification)

- a. Notwithstanding the 'Qualification Requirements' set out in terms & condition the purchaser will determine to the satisfaction whether the bidder selected as having submitted the lowest evaluated responsive bid/tender is qualified to satisfactorily perform the contract.
- b. The determination will take into account the bidder's financial, technical and production capabilities. It will be based upon the examination of the documentary evidence of the bidder's qualifications submitted by the bidder, as well as such other information as the purchaser deems necessary and appropriate.
- c. An affirmative determination will be a prerequisite for award of the contract to the bidder. A negative determination will result in rejection of the bidder's bid/tender in which event the purchaser will proceed to the next lowest evaluated bid/tender to make a similar determination of the bidder's capabilities to perform satisfactorily.
- d. **Technical Demonstration of equipment**
Prior to contract award, the lowest evaluated substantially responsive Bidder will be requested to organize demonstration of the equipment, for inspection of quality and its efficient operation and performance before SAMS / FIND or its authorized team. In case, the equipment does not perform satisfactorily, the bid would be deemed to be non-responsive and SAMS reserves a right to move to next lowest evaluated responsive bidder.

25. Award criteria

Subject to clause 24, the purchaser will award the contract to the successful bidder/ bidder whose bid/tender has been determined to be substantially responsive and has been determined as the lowest evaluated bid, provided further that the bidder/bidder is determined to be qualified to perform the contract satisfactorily.

26. Purchaser's right to vary quantities at time of award

The purchaser reserves the right at the time of award to increase or decrease up to 25% of the quantity of goods and services specified in the '**Schedule of requirements**' without any change in prices or other terms and conditions.

27. Purchaser's right to accept any bid/tender and to reject any or all bids

The purchaser reserves the right to accept or reject any bid/tender and to annul the bidding process and reject any or all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder/bidder or bidders or any obligations to inform the affected bidder/bidder of the grounds for the purchaser's action.

28. Performance Security

- a. Within twenty one (21) days from date of the issue of Purchase Order by the purchaser, the supplier, shall furnish performance security to the purchaser for an amount equal to **five percent (5%)** of the total value of the contract, valid for forty months from the date of Purchase Order.
- b. The Performance security shall be denominated in Indian Rupees or in the currency of the contract.
- c. It shall be in any one of the forms namely Account Payee Demand Draft or Fixed Deposit Receipt drawn from any Scheduled commercial bank in India or Bank Guarantee issued by a Scheduled commercial bank in India, in the prescribed form as provided in **Annexure V** of this document in favour of the purchaser. The validity of the Fixed Deposit receipt or Bank Guarantee will be for a period for forty months from the date of Purchase Order.
- d. In the event of any loss due to supplier's failure to fulfill its obligations in terms of the contract, the amount of the performance security shall be payable to the purchaser to compensate the purchaser for the same.
- e. In the event of any amendment issued to the contract, the supplier shall, within twenty-one (21) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.
- f. Subject to sub - clause d above, the purchaser will release the Performance Security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations.

29. Spare parts

As specified in the contract Form, the supplier may be required to provide any or all of the following materials and notifications pertaining to spare parts manufactured and/or distributed by the supplier.

- a. Such spare parts as the purchaser may elect to purchase from the supplier, provided that this election will not relieve the supplier of any warranty obligations under the contract.
- b. In the event of termination of production of the spare parts advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements and following such termination, furnishing at no cost to the purchaser, the blueprints, drawings and specifications of the spare parts, if and when requested.
- c. Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares such as gaskets, plugs, washers, belts, etc. Other spare parts and components shall be supplied as promptly as possible but in any case within six months of placement of order and establishment of letter of credit.

30. Warranty

- a. The supplier warrants that the goods supplied under the contract are new, unused, of the most recent of current models and incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials or - workmanship (except insofar as the design or material is required by the purchaser is specifications) or from any act or omission of the supplier that may develop under normal use of the supplied goods in India, i.e. the counter of final destination.
- b. The warranty shall remain valid for 36 (Thirty six) months on the equipment or any portion thereof as the case may have been delivered to the final destination and installed, commissioned and take over by the consignee to the entire satisfaction of, the purchaser.
- c. The purchaser/indenter shall promptly notify the supplier in writing of any claim arising under this warranty.
- d. Upon receipt of such notice, the supplier shall, with all reasonable speed, repair or replace the defective goods or parts thereof, free of cost at the ultimate destination. The supplier shall elicit over the replaced parts/goods at the time of their replacement. No claim, whatsoever shall lie on the purchaser for the replaced parts/goods thereafter.
- e. If the supplier, having been notified, fails to remedy the defects) within a reasonable period, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchase may have against the supplier under the contract.
- f. The warranty for defective parts will begin de novo from the date of replacement. Supplier will pay customs duty and all expenses up to the destination for the replaced parts.

31. Payments Terms

The method and conditions of payment to be made to the Supplier (Payments will not be made to any other party) under this tender, as applicable, shall be as follows:

- i) **On Delivery to Consignee: Ninety (90) percent** of the Contract Price of the Goods delivered to the Consignee shall be paid within 30 days of submission of following documents
 - a. Original invoice along with three copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
 - b. Consignee Receipt Certificate in original issued by the authorized representative of the consignee;
 - c. Manufacturer's/Supplier's Warranty Certificate
 - d. Manufacturer's own factory inspection test certificate
 - e. Certificate of Insurance
 - f. Packing list identifying contents of each package
 - g. Certificate of Country of Origin of the Goods
 - h. Bill of lading/Airway Bill/ Rail Receipt or any other dispatch document issued by a government agency (like postal department) or any other agency authorised by the concerned Ministry/ Department.
- ii) **On satisfactory installation, testing & commissioning: Ten (10) percent** of the Contract Price of Goods received shall be paid within thirty (30) days of satisfactory installation & commissioning of the Goods and completion of training of the concerned personnel on operation and maintenance the equipment, upon submission of an invoice (indicating the SAMS as the Purchaser on behalf of FIND, the Contract number, credit number; description of payment and total amount, signed in original, stamped or sealed with the company stamp/seal) supported by the satisfactory installation, training & commissioning Certificate (Final Acceptance Certificate) issued by the Consignee.

32. Liquidated damages

- I. **For delays-** Subject to, other clauses, if the supplier fails to deliver any or all of the goods or perform the services within the time period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5 percent of the delivered price of the delayed goods unperformed services for each week of delay or part of thereof until actual delivery or performance up to a maximum deduction of 10% (ten) percent of the delayed goods or services contract price. However, the purchaser may consider termination of the contract or emergency purchases once the time specified is over.
- II. **For shortfall in equipment performance-** Recovery shall be made from the supplier for not meeting the guaranteed performance/ productivity of the equipment during actual testing as detailed in "Technical Specifications". A sum equivalent to one percent of the cost of the equipment for each unit of shortfall in the guaranteed performance productivity where applicable.

33. Return of rejected items of suppliers

The firm will take back the rejected items/ equipment from the consignees place and replace with fresh stock duly inspected within a reasonable period stipulated in the notice issued to the firm at their own cost up to the consignees or depots upon payment of testing charges, etc. The rejected stocks will be handed over by the respective consignees to the firm and payment of cost of the rejected stocks by the firm to the consignee. Failure of the firm may amount to the breach of contract on the part of the firm & firm shall be liable for recovery of consequent damages besides other remedies and rights available to the purchaser.

34. Taxes & Duties

Supplier shall be entirely responsible for all taxes, duties, fees, levies, entry tax, local taxes etc. incurred until delivery of the contracted goods till the final place of destination.

35. **VAT/PAN:** Copy of number allotted should also be submitted.

For Strategic Alliance Management Services Pvt. Ltd.

**(Sanjay Rastogi)
Director**

Annexures:

- I. Technical Specifications
- II. Price Form
- III. Schedule of Requirement and Consignee-wise Distribution
- IV. Manufacturer's Authorization Form
- V. Performance Security Form (Bank Guarantee)

Technical Specification of Bio Safety Cabinet

NAME OF EQUIPMENT: Biosafety Cabinet Class II Type A2		<u>Bidder's Specification</u>
Tender specifications		
Quantity	MANUFACTURER:	
	Type / Model	
	Country of Origin	
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. Organization of a periodical recertification of the BSC by an authorized agency to be in place.		
Main specifications		
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).		
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.		
Internal working area (approximate):		
<ul style="list-style-type: none"> For a BSC of 120 cm (4 ft): width 1150 mm \times depth 630 mm \times height 650–750 mm. 		
<ul style="list-style-type: none"> A BSC of 120 cm (4 ft) provides the minimal space needed for safe work. 		
<ul style="list-style-type: none"> Inside finish: stainless steel, high quality (e.g. grade 304). 		
<ul style="list-style-type: none"> External housing, including screws, made of stainless steel or equivalent resistant galvanized (zinc-coated) sheet steel, subsequently powder coated and thermally hardened; minimum 80 μm thick, or other material that is hard-wearing, resistant to disinfectants and chemicals used in a TB laboratory, and abrasion resistant. 		
<ul style="list-style-type: none"> Vertically adjustable sliding window: aerosol-tight, sliding, safety glass (laminated multilayer safety glass only), thickness ≥ 6.7 mm, counterbalanced. 		
<ul style="list-style-type: none"> High optical transmission, but absorption of UV light; minimal reflection. 		
<ul style="list-style-type: none"> Working aperture: ≥ 170 mm measured from work surface to the bottom of the sash window. 		
<ul style="list-style-type: none"> Maximal lifting height of front window: 500 mm. 		
<ul style="list-style-type: none"> Ability to lock the window hermetically for gaseous disinfection for filter decontamination. 		
<ul style="list-style-type: none"> Single-piece working surface with integrated (V-shaped) front air grill. 		
<ul style="list-style-type: none"> Alternative: Working surface as segments. 		
<ul style="list-style-type: none"> Noise pressure level: ≤ 60 dbA. 		

Internal fittings	
<ul style="list-style-type: none"> • Two plugs, 230 ± 10 V, AC, 50 Hz, protected with separate T5A (slow blow) fuse. 	
<ul style="list-style-type: none"> • Voltage and plugs adapted to those used in the country. 	
<ul style="list-style-type: none"> • Warning: Plugs inside the BSC may differ from the main connection to the electricity network. 	
<ul style="list-style-type: none"> • Flicker-free, low-glare, warm-coloured light, >1000 lux. 	
<ul style="list-style-type: none"> • Control display on the front of the BSC. 	
<ul style="list-style-type: none"> • Electrical control or indicators. 	
<ul style="list-style-type: none"> • Electronic fan control. 	
<ul style="list-style-type: none"> • Flow meter for air inflow velocity. 	
<ul style="list-style-type: none"> • Flow indicator or meter for air down flow velocity. 	
<ul style="list-style-type: none"> • Operating hours indicator (counter). 	
<ul style="list-style-type: none"> • Optional: UV light timer. 	
<ul style="list-style-type: none"> • Filter and flow conditions. 	
<ul style="list-style-type: none"> • 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. 	
<ul style="list-style-type: none"> • Optional: (if a safety gas burner will be used): Gas tap with solenoid valve, optional right or left side. 	
<ul style="list-style-type: none"> • 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. 	
<ul style="list-style-type: none"> • Not necessary when a micro-incinerator is used. 	
<ul style="list-style-type: none"> • Pre filter construction preferred; easily accessible, filter change without tools preferred. • High-efficiency particulate air (HEPA) filter (exhaust air filter); classification at least H14; conforming with EN 1822; metal framed. 	
<u>Air down flow velocity:</u>	
<ul style="list-style-type: none"> • 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. 	
<ul style="list-style-type: none"> • 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. 	
<u>Air circulation volume flow</u> (Modify according to the BSC dimensions):	
<ul style="list-style-type: none"> • For a BSC of 120 cm (4 ft): 700–1200 m³/h. 	
<u>Influx air velocity:</u>	
<ul style="list-style-type: none"> • According to NSF 49, the average airflow velocity at front aperture should be 0.51 m/s for class A2. • 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. 	
<u>Exhaust volume airflow/fresh airflow inward:</u>	
<ul style="list-style-type: none"> • For a BSC of 120 cm (4 ft): 300–600 m³/h. • Blower system to be able to maintain the airflow within a minimum window (narrow limits) on voltage fluctuations. Data to be available on request. • 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. 	

Electricity requirements	
Supply voltage: 230 ± 10 V, AC, 50/60 Hz.	
<ul style="list-style-type: none"> • Voltage and plugs to be adapted to meet the country requirements. 	
<ul style="list-style-type: none"> • 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. 	
Power consumption (approximate): Modify according to the BSC dimensions	
<ul style="list-style-type: none"> • For a BSC of 120 cm (4 ft): 600 W. 	
<ul style="list-style-type: none"> • 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. 	
<ul style="list-style-type: none"> • Conform to electrical safety standards IEC 60601–1, UL 61010–1, EN 61010–1. 	
<ul style="list-style-type: none"> • Protection class (in accordance with EN 60529). 	
<ul style="list-style-type: none"> • Designed not to interfere with circuit radio (in accordance with EN 55014). 	
Documentation	
Manufacturer's certificate	
<ul style="list-style-type: none"> • The manufacturer must have a management system certified to ISO 9001. • 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:	
<ul style="list-style-type: none"> • Inflow air velocity • Downflow air velocity • Filter leak scan for both filters to document filters' efficiency and integrity. 	
Quality and safety standards met by the product to be listed.	
Accessories (Mandatory to be quoted along with each BSC)	
<ul style="list-style-type: none"> • Table or support frame (support stand) for a working height of 78 ± 2 cm, adjustable at least at three points (feet) to level. 	
<ul style="list-style-type: none"> • A telescopic support stand is advisable for a flexible use. 	
<ul style="list-style-type: none"> • Ergonomic laboratory chair, designed for infectious laboratory areas: 	
adjustable height to suit different users, seat range approximately 400–490 mm	
adjustable-angle back rest (no arm rest)	
caster wheels (five)	
all metal parts chrome plated	
disinfectable with alcohol-containing disinfectants.	
<p>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</p>	

be used). Ducting should have adjustable balancing dampers with easily accessibility so that flow can be controlled as and when required.	
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.	
Operation, maintenance and installation	
<ul style="list-style-type: none"> • 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. 	
Installation and maintenance	
<ul style="list-style-type: none"> • The bidder must arrange for the equipment to be installed by certified or qualified personnel. 	
<ul style="list-style-type: none"> • Any prerequisites for installation to be arranged by the purchaser should be mentioned in details in technical proposal along with quotation only. 	
<ul style="list-style-type: none"> • Any cost for installation prerequisites which can be arranged by supplier should also be included in the quotation. 	
<ul style="list-style-type: none"> • The bidder should also provide user's 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. 	
<ul style="list-style-type: none"> • 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. 	
<ul style="list-style-type: none"> • The supplier should carry out the of IQ/OQ/PQ as per manufacturer protocols and provide complete documentations at the time of installation & commissioning including validation for each supplied BSC. <ol style="list-style-type: none"> 1. Down flow velocity Test 2. Inflow Velocity Test 3. Airflow Smoke Pattern Test 4. HEPA Filter Leakage/Integrity Test(PAO test) 5. Particle Count Test 6. Cabinet Leakage Test 7. Electrical Leakage : Ground Circuit Resistance and Polarity Test 8. Lighting Intensity Test. 9. Vibration Test. 10. Noise Level Test. 11. UV Lamp Intensity Test. 12. Alarms and indicators test 	
Standard maintenance tools	
<ul style="list-style-type: none"> • 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. 	
Spare parts (mandatory to be quoted along with BSC)	
<ul style="list-style-type: none"> • Each assembled BSC to be accompanied by an authorized list of accessories and spare parts. 	
<ul style="list-style-type: none"> • At least one, additional sets of HEPA filters as specified above. 	

Warning: Special clamps may be needed to fix HEPA filter.	
Warranty: Three years, except for filters and (UV) lamp. Warranty starts after successful commissioning and validation at site.	
Warranty Period Services include:	
<ul style="list-style-type: none"> • Breakdown calls to be attended as and when required 	
<ul style="list-style-type: none"> • Two Preventive Maintenance to be carried out every year on a half yearly basis. 	
<ul style="list-style-type: none"> • Annual Validation to be carried out during three years of warranty period (one validation per year) and tests to be carried out for validation include <ol style="list-style-type: none"> 1. Down flow velocity Test 2. Inflow Velocity Test 3. Airflow Smoke Pattern Test 4. HEPA Filter Leakage/Integrity Test(PAO test) 5. Particle Count Test 	
<ul style="list-style-type: none"> • Validation should be done for BSC; <ul style="list-style-type: none"> ○ At initial installation: on site, prior to initial use ○ Annually in warranty period ○ After replacing filter/blower ○ After moving the cabinet 	
<ul style="list-style-type: none"> • Calibration to be done annually during three year of warranty period for parameters as per manufacturer's instructions/protocol 	
Packing data (if available or confirm to be made available at the time of shipment)	
Packing data are not necessarily part of the bidding process, but are needed for shipment and customs declarations.	
<ul style="list-style-type: none"> • Net weight. 	
<ul style="list-style-type: none"> • Gross weight. 	
<ul style="list-style-type: none"> • Dimensions (W × H × D) in cm. 	
<ul style="list-style-type: none"> • Appliances must be transported upright (Y/N). 	
<ul style="list-style-type: none"> • Custom's tariff number. 	
Remarks	
<ul style="list-style-type: none"> • 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. • Bidders may propose products additional to the requirements listed above. 	

NAME OF EQUIPMENT:		<u>Bidder's specifications</u>
Uninterrupted Power Supply with battery pack for BSC		
Tender specifications		
Quantity:	<u>MANUFACTURER:</u>	
	<u>Type / Model</u>	
	<u>Country of Origin</u>	
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.		
Main specifications		
<ul style="list-style-type: none"> • UPS: microprocessor controlled, online continuous transducer, 20 minutes. • Capacity- 3KVA • Booster function to regulate up voltage breakdown to 170 V. • Buck function to regulate down voltage increase up to 280 V. • Filter to protect against voltage spikes. • Protection against overload and short circuit. • Advanced battery check for automated periodic battery inspection. • Indicators for status (e.g. normal function, net down, working on battery, loading battery, battery capacity). • Sleep mode if item consuming power is shut off. • Power: 230 V \pm 25%, 50 Hz or 60 Hz (\pm 10%) with automatic recognition. • Battery: maintenance-free, automatic shut-off before reaching the level of discharge from which recharging to the original capacity will no longer be possible. • Time for recharging: approximately 4 hours to reach at least 90% of total capacity. • 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). • Efficiency coefficient: approximately 98%, on battery >85%. • Noise at 1 m distance <48 dBA. • Permissible ambient temperature and relative humidity: 0–40 °C and 95% (not condensing). 		
Electricity requirements		
Supply voltage: 230 \pm 10 V, AC, 50/60 Hz. Voltage and plugs to be adapted to meet the country requirements.		
<ul style="list-style-type: none"> • Power consumption: • Approximately 1500 W (depending on the model chosen). • Protection class (in accordance with EN 60529). 		
<ul style="list-style-type: none"> • Designed not to interfere with circuit radio (in accordance with EN 55014). 		

Documentation	
Manufacturer's certificate The manufacturer must have a management system certified to ISO 9001.	
Quality and safety standards met by the product to be listed.	
Accessories Battery pack.	
Connection (cable and fittings) for battery pack.	
Operation, maintenance and installation	
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.	
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 in detail to the purchaser in advance in the quotation only.	
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.	
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).	
Spare parts Each UPS to be accompanied by an authorized list of accessories and spare parts.	
Packing data	
Packing data are not necessarily part of the bidding process, but are needed for shipment and customs declarations.	
Net weight.	
Gross weight.	
Dimensions (W × H × D) in cm.	
Appliances must be transported upright (Y/N).	
Customer's tariff number.	
Warranty: At least two years for UPS; at least five years for battery pack. Warranty starts from the date of installation at site. Warranty Period Service includes breakdown call to be attended as and when required. Maintenance check to be done by vendor on regular half yearly interval.	

Price Form

[The Bidder shall fill in this Price Form in accordance with the instructions given below]

BIDDER'S PRICES FOR GOODS (Price to be entered by Bidder):							
Sc h. No. (a)	DESCRIPTION (b)	QTY (c)	INR				
			UNIT PRICE, DDP- FINAL Destination excluding taxes/ duties (d)	TOTAL PRICE, DDP- FINAL Place of Destination, excluding taxes/ duties (e) = (c) x (d)	Taxes* (to be indicated separately and not to be included unit / total price) (f)	Duties* (to be indicated separately and not to be included unit / total price) (g)	TOTAL PRICE, FINAL Place of Destination** (h)=(e) + (f) + (g)
1	Biosafety cabinet- Class II, type A2 with UPS, as per specification	02					

* Nature and amount of each tax or duty component should be clearly specified separately in respective column.

****Total Price, till Final Place of Destination on DDP basis for quoted items should be inclusive of all applicable taxes and duties (Entry tax, Road Tax, Octroi Duty and any other local taxes etc.). It should also include that all goods shall be duly insured up to the final destination.**

Schedule of Requirement and Consignee Distribution List

Sl. No.	State	Consignee details	Bio Safety Cabinet with UPS (Qty.)
1	Jammu & Kashmir	State TB Training and Demonstration Center, Dalgate, Chest Disease Hospital Campus, Srinagar-190001. Jammu & Kashmir, Dr. Mushtaque Ahmed Wani (O) 0194-2500718 Mobile : 09419421761 Dr. Javed M.No : 09796367708	2
Total Quantity			2

MANUFACTURERS' AUTHORISATION FORM

To,

M/s Strategic Alliance Management Services Pvt. Ltd. (SAMS),
B01-B03, Vardhman Diamond Plaza, Community Centre,
D. B. Gupta Road, Paharganj, New Delhi - 110055, INDIA

Dear Sir,

RFQ No./Tender No.

We.....who are established and reputable manufacturers of
..... Having factories atand
..... hereby, authorize M/s.....

(Name and address of agents) to bid, negotiate and conclude the contract with you against RFQ/IFB No..... for the above goods manufactured by us.

No company or firm or individual other than M/s
are authorized to bid, negotiate and conclude the contract in regard to this business against this specific IFB as also for all business in the entire territory of India.

An agency commission of% included in the gross ex-work price is payable to M/s.....

We hereby extend our full guarantee and warranty as per terms & conditions of contract for the goods offered for supply against this invitation for bid by the above firm.

Our other responsibilities include:

(i)

(ii)
(Specify here-in detail manufacturer's responsibilities)

The services to be rendered by M/s are as under:

(i)

(ii)
(here specify the services to be rendered by the agent)

Yours' faithfully,

for and on behalf of M/s (Name).....

(Name of manufacturers)

Note : This letter of authorization should be on the letter head of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.

PERFORMANCE SECURITY FORM (BANK GUARANTEE)

To

The Strategic Alliance Management Services Pvt. Ltd. (SAMS),
B01-B03, Vardhman Diamond Plaza,
Community Centre, D. B. Gupta Road, Paharganj,
New Delhi – 110055, INDIA

WHEREAS.....
(Name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract No..... dated to supply (description of goods and services) (hereinafter called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a recognized bank for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of

..... (amount of guarantee in words and figures). Such sum being payable in the types and proportions of currencies in which the contract price is payable, and we undertake to pay you, upon your First written demand declaring the supplier to be in default under the contract and without civil or argument, any sum or sums within the limits of (amount of guarantee) aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there-under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the date of issue of the "Acceptance Certificate" issued by the purchaser's representative.

Signature and seal of the guarantor

Place:

Date: