



## BID DOCUMENT

### NAME OF WORK: Purchase of Biosafety Cabinet

Tender Enquiry No: P1/Biosafety Cabinet(NTBPS)/2019-20

Tender published at Website: <https://eprocure.gov.in>  
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Tender No. P1/Biosafety Cabinet (NTBPS)/2019-20

Date: 08.08.2019

### NIRT E-Tender

Online Bids are invited through website <https://eprocure.gov.in> under two cover system from eligible domestic bidders registered in India i.e Original Equipment Manufacturers/Authorized Dealers/Authorized Distributors/Suppliers authorized by OEM for procurement of **BIOSAFETY CABINET** for National TB Prevalence Survey Project.

### Tender Enquiry

<b>Date of Publishing</b>	<b>08.08.2019</b>
<b>Bid Document Download start date(Online)</b>	<b>08.08.2019</b>
<b>Bid Submission start date(Online)</b>	<b>09.08.2019</b>
<b>Bid Submission End date (Online)</b>	<b>29.08.2019</b>
<b>Receipt of EMD at NIRT, Chennai</b>	<b>28.08.2019</b>
<b>Date of Technical Bid opening(Online)</b>	<b>30.08.2019</b>
<b>Date of Financial Bid Opening</b>	<b>To be Notified separately</b>

**Earnest Money Deposit: Rs.18,000/-.** EMD should reach this office in the form of Demand Draft / Bank Guarantee drawn in favor of The Director, NIRT, Chennai on or before **28.08.2019**

#### **Important Notes:**

1. Tender documents may be downloaded from central Public Procurement Portal <http://eprocure.gov.in/eprocure/app>.
2. Only Bids received on our e-tendering portal will be considered for opening. Bids in any physical form sent through fax/e-mail/courier/post/delivered personally will not be considered.
3. Any addendum/Corrigendum date extension in respect of above tender shall be issued on our website [www.nirt.res.in](http://www.nirt.res.in) and website <https://eprocure.gov.in> only and no separate notification shall be issued in the press. Bidders are therefore requested to regularly visit our website to keep themselves updated.

Place: Chennai

Date: 08.08.2019

## **General TERMS & CONDITIONS**

### **Nature of items:**

For supply & installation of goods/instrument with specifications as mentioned in Annexure – I.

### **1. Scope of Supply:**

1. The tenders shall be submitted as per the new scientific equipments enclosed in Annexure – I
2. NIRT, Director reserves the right to accept or reject any or all tenders without assigning any reason thereof.

### **2. Bid Submission and Opening:**

- a. The bid should be submitted online at website <http://eprocure.gov.in/eprocure/app> only by due date. The server date and time as appears on the website only shall be considered for the cut-off date and time for submission of bids. Offers sent through post, fax, e-mail, courier or by any other mode will not be considered.
- b. Only those bidders shall be considered who submit requisite EMD documents and accept all the terms and conditions of the tender document. The decision of NIRT shall be final and binding.
- c. Bidder will be responsible for any delay due to other issues.
- d. Bidder shall select the payment option as offline to pay the EMD and enter details of the Demand Draft/Bank Guarantee.
- e. The bidder has to digitally sign and upload the required documents one by one as indicated in the tender document.

### **3. Submission of offer:**

The tender shall be submitted online in two cover system duly scanned and digitally signed by the authorized representative of the bidder as follows.

#### **A) Cover-1 (Techno-commercial Bid):**

Online Bid should be submitted containing copy of the following documents in cover-1 as documentary proof, for fulfilling qualifying criteria, failing which the offer shall be summarily rejected.

- a. Scanned copy of Earnest money amount must be furnished.
- b. Bidder/Agent who quotes for goods manufactured by other manufacturer shall furnish valid Manufacturer's / Dealer's Authorization form.

#### **B) Cover-2 (Price Bid):**

- a. The price must be quoted only in the price Bid format attached as BOQ. Please quote the prices

#### **C) Indian Agent**

1. If a foreign bidder has engaged an agent in India in connection with its bid, it will be required to give the following information in the bid.
  - The name and address of the Indian agent with their permanent income tax number
  - The details of the services the agent will tender

**TENDERER'S NAME & SIGNATURE WITH SEAL**

**4. Validity of Tender:**

- a. The tender shall be valid for a period of 180 days from the date of opening of the tender.
- b. No representation for the enhancement of the prices of the accepted tender or alteration of the terms and conditions will be entertained till supplies are completed.

**5. Price:**

- a. The price shall be firm and shall include all applicable taxes and other charges including freight charges for delivery upto destination that is NIRT, Chennai
- b. All duties, taxes and other levies payable by the bidder under the contract shall be included in the total price.

**6. Payment:**

- a. After successful installation of the material, payment will be made by NIRT, Chennai by NEFT transfer to the bank account.
- b. The tenderer shall submit the documents which shall clearly indicate that the proper supply and installation of instrument/equipment has been done.
- c. 100% payment shall be made only after supply of the items in good condition along with successful delivery of items and satisfactory installation report received by competent authority. No advance payment will be made.

**7. Earnest Money Deposit:**

- a. The units registered with National Small Industries Corporation (NSIC) or the concerned ministry or Department shall be exempted from the payment of Earnest Money as defined in Rule 170 of GFR 2017. In such case, copy of the certificate showing registration with the above mentioned institution to be enclosed along with the bid.
- b. In case the unit is not covered as above, it shall submit the offer along with the EMD.
- c. The EMD by way of Demand Draft / Bank Guarantee drawn in favour of The Director, NIRT, Chennai is to be reached off to this office on or before the date specified in the notice for tender.
- d. The scanned copy of the EMD should be included in Envelope I of the E-tender documents. The offers without EMD will be rejected without any notice.

**8. Performance Bank Guarantee:**

The successful bidder shall be required to submit a performance Guarantee equivalent to 5% of the contract value in the form of Bank Guarantee/Demand Draft. The Bank Guarantee should remain valid till warranty validity.

9. The equipment should be delivered at the respective location at NIRT, Chetpet, Chennai. The supplier is responsible for customs clearance at the respective airport / seaport, the freight charges against which may be quoted by the tenderers.

**TENDERER'S NAME & SIGNATURE WITH SEAL**

**TECHNICAL SPECIFICATIONS OF BIOSAFETY CABINET WITH ACCESSORIES**

**QTY: 2 Nos.**

1. Cabinet type: class II type A2
2. Certification: should meet American (NSF/ANSI) or European standard EN 12469 or ISI
3. Size: The Bio Safety Cabinet should be in 4 feet in size/width
4. Construction: Cabinet should have ergonomic structure (work zone - stainless steel with large radius corners for easy cleaning and side walls-electro galvanized steel) made of minimum 16 Gauge, Type 304 pressure tight design with antimicrobial coating. Easy to remove SS work surface for cleaning purpose
5. Epoxy coated steel exterior.
6. Air flow pattern: vertical Air flow
7. Filters: Supply and exhaust HEPA filters efficient 99.99 % (or better) efficiency for particle size between 0.1 to 0.3 microns
8. Flow ratio: 70% air recirculation and 30% exhaust to provide protection for product, personal and lab safety
9. Velocity: Nominal inflow velocity of 100 feet per minute (fpm) (0.5 m/sec) and Nominal down flow velocity of 55 fpm (0.3 m/sec)
10. Noise level: should be < 70 dBA
11. Display: Biosafety cabinet should be a microprocessor based. The microprocessor must display the inflow and down flow air velocities and filter life, timer in real time on an LED display
12. Alarms: Bio Safety Cabinet should have Audible and visual Alarms for HEPA filter failure, blower failure, airflow speed failure, incorrect window position
13. Filter monitoring system consisting of an electronically commutated motor (ECM) that delivers a precise volume of air as required and automatically adjusts as filters load without relying on airflow sensors
14. The Bio Safety Cabinet should have standard 10" access opening & window alarm and sliding glass view screen (with certified UV protection)

15. Sash opening max 8' inch, 10° slope angled, made of tempered ¼" safety glass with sash handles
16. The Bio Safety Cabinet should have a height for greater visual accessibility (More than 25 to 27" of viewing)
17. System should allow the user to program start up and shut down operations when the sash is raised or lowered
18. System should have the function that idles the blower when the sash is fully closed
19. The Cabinet should be provided with taps for Vacuum, Water and Non Combustible Gas
20. Power supply: The Bio Safety Cabinet should be fitted with earth leakage circuit breaker (ELCB) and should comply with Indian electrical requirements.

**Accessories:**

- ✓ Standard UV light along with additional UV-interlock with additional spare UV lamp (254nm) inside the cabinet for sterilization
- ✓ Fluorescent light – 1200 lux
- ✓ Movable /Adjustable Base vibration free support stand (available in standard working surface heights)
- ✓ GMP/GCLP standard ergonomic lab chairs – Four Nos
- ✓ Two numbers of suitable and reputed brand UPS (minimum 10-15 minutes power backup) with batteries, movable battery stand.

**Installation:**

The Bio Safety Cabinet should be installed / validated at the time of installation by Manufacturer / Authorized dealer by their company trained engineer.

At the time of installation, the following validation tests should be performed at the site to prove the bio safety cabinet meets its standards.

- ✓ Down flow velocity and Volume Test.
- ✓ Inflow Velocity Test.
- ✓ Airflow Smoke Pattern Test.
- ✓ HEPA Filter Leakage Test.
- ✓ Cabinet Leakage Test.
- ✓ Electrical Leakage: Ground Circuit Resistance and Polarity Test
- ✓ Light Intensity Test.
- ✓ Vibration Test.

- ✓ Noise Level Test.
- ✓ UV Lamp Intensity Test.
- ✓ Alarms and indicators test (if provided).
- ✓ The differential pressure gauge should be calibrated.

**Others:**

- ✓ The prospective bidders should inspect the area where the bio-safety cabinet to be installed before submitting the bids according to the user/site requirements.
- ✓ The supplier should perform any Electrical and Civil works (like ducting works up to terrace, and etc.,) if required for installation of the biosafety cabinet.

**Warranty:**

The entire Biosafety cabinet and the accessories should be provided **with 3 years of comprehensive and 2 years non-comprehensive AMC** from the date of completion of standard warranty.

**Others:**

- ✓ The unit must be quoted by Original Equipment Manufacturers with Sales and service support facilities in India through their branch office / Indian Agent (or) Indian agent with extensive sales (Minimum 5 years) and service support in India representing foreign principals / Original Equipment manufacturers. The Indian agency / dealership certificate with details of sales and service support should be enclosed with the technical bid.
- ✓ The firm should provide necessary original documentary evidence of the features of the offered model in the technical bid to facilitate proper technical evaluation.
- ✓ Purchase orders, contact details and user satisfactory reports of the quoted model from Nationalized or reputed laboratories all over the India must be shared with quotation.
- ✓ Complete installation and testing the main system and the accessories to their specifications done at the site of installation free of cost. All utility requirements for installation and running the system should be mentioned in the offer.
- ✓ Please indicate the year in which the model offered was introduced into the market and confirm whether the spares for the system would be available for a minimum period of 10 years and shall not be obsolete within five years of procurement.

- ✓ Special discount on list price for all spare parts & reagents must be given up to 10 years.
- ✓ Availability of service support (Chennai Only) to attend the service call immediately during and after warranty period.

**TENDERER'S NAME & SIGNATURE WITH SEAL**



## ANNEXURE-II

### Bid Submission

#### Online Bid Submission:

The online bids must be uploaded online in two covers as explained below.

<b>Cover – I</b>			
(Following documents to be provided as single PDF file)			
S. No	Documents	Content	File Types
1.	Technical Bid	Compliance sheet with technical Specifications mentioned in Annexure-I	PDF
2.		Online Bid Submission details (Annexure-II)	
<b>Cover - II</b>			
S. No	Types	Content	
1.	Financial Bid	Price Bid(BOQ) may be submitted as an BOQ for item quoted as per specification mentioned in Annexure-I	Excel

**TENDERER'S NAME & SIGNATURE WITH SEAL**