



## Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited

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Procurement of Class II B2 Biosafety Cabinet for COVID 19 testing laboratories of the State of West Bengal.

(Submission of Bid through *online/ offline*)

Bid Reference No.: WBMSCL /NIT- 97/2020

Dated –04.07.2020

### AMENDMENT-I

## Section I: Instructions to Tenderers

### A. Important information at a glance

5 (a) Time for Supplies & Installation of **Class II B2 Biosafety Cabinet at the COVID 19 testing laboratories of the State of West Bengal** from the date of issuance of Award of Contract

ITEM	Tendered Quantity	Minimum Quantity should be Supplied & Installed at the COVID19 testing laboratories within 7 days from the date of issuance of AOC	Timeline for completion of Supply & Installation of the entire quantity from the date of issue of AOC
Class II B2 Biosafety Cabinet	20 units	10 units	14 days

**Bidder should also clearly mention in their technical bid about the quantity of the offered equipment / item readily available in ready stock and which can be supplied & installed at the**

COVID 19 testing laboratories of the State of West Bengal within 7 days as per the revised format given below in FORM 12:

### Form: 12

ITEM	Tendered Qty	Readily available in ready stock and which can be supplied & installed at the COVID19 testing laboratories within 7 days	Remarks, if any
Class II B2 Biosafety Cabinet	20		

**Note:**

1. If L1 bidder(s) fails to supply the selected equipment / item within the timeline of the tender, TIA may opt for L1 rate matching with L2, L3, L4.....bidders subsequently for the remaining required quantity.
2. TIA may initiate appropriate legal action followed by blacklisting of the L1 bidder as mentioned in the tender, if fail to supply the committed quantity of equipment / item in Form 12 within the stipulated timeline.

## AMENDMENT-II

### E. Submission and Opening of Bids

#### Comprehensive Maintenance of Equipment

The selected bidder should enter into Comprehensive Maintenance Contract (CMC) after expiry of the 2 Years warranty period, if intended by WBMSCL. The deliverables under the contract is detailed below:

- A. Breakdown Calls:** as many numbers as may be required to attend to resolve the complaint lodged by the end-users.
- B. Preventive Maintenance:** The selected bidder should attend periodic planned preventive maintenances in the following manner:

Equipments	Mandatory preventive Maintenance Service (PMS) visit per year in warranty and CMC	Remarks
Class II B2 Biosafety Cabinet	4	<ol style="list-style-type: none"> <li>1. Supplier/ authorised service provider must attend all breakdown calls during warranty / CMC period.</li> <li>2. The supplier should provide Preventive Maintenance Services (PMS) yearly / bi - yearly / quarterly in equal interval to fulfill the minimum number of mandatory PMS as recommended in the previous column during warranty / CMC period.</li> <li>3. The procedure / checks of the preventive maintenances should be as per the guidelines prescribed in technical / service / operational manual of the original equipment manufacturer. Preventive Maintenance will also include testing, calibration, replacement of spare parts by new one, hardware / software upgradation and labour.</li> </ol>

The cost for Year wise CMC charges after completion of 2 years warranty in percentage of the quoted price of the equipment in the BOQ to be paid to the selected bidder(s) in the manner as detailed in the table below:

ITEM	CMC charges in percentage(%) for Year3	CMC charges in percentage(%) for Year4	CMC charges in percentage(%) for Year5	CMC charges in percentage(%) for Year6	CMC charges in percentage(%) for Year7
Class II B2 Biosafety Cabinet	3	3.25	3.5	3.75	4.0

**C. Periodic Calibration:** The selected bidder will also undertake periodic calibrations as would be required for quality certification desired by the end-user facilities.

## AMENDMENT-III

### **Credential:**

Should have supplied & installed at least 5 units of the offered Bio-safety Cabinet (Class II B2) at COVID 19 testing laboratories approved by ICMR. Bidder should submit the details of supply & installation in the prescribed format given in Form- Form 7.

Bidder should also provide supporting document in support of their claim.

Document should be uploaded under Credential (Other Important Document-OID, if submitted online)

# AMENDMENT-IV

## TECHNICAL SPECIFICATIONS

### Class II B2 Biosafety Cabinet

1. Size 4 feet X 2 feet x 2 feet
2. NSF/ EN 12469 Certified
3. Exhaust 100% with virus burn-out unit
4. Average Air Flow Velocity
  - a. Inflow : 0.45 m/s (90 fpm) at initial set point, audible/visual alarm should activate at 0.45 m/s (90 fpm)
  - b. Down flow : 0.30 m/s (60 fpm) at initial set point with uniformity of better than +/- 20%
5. Noise Level < 62 dBA according to EN 12469
6. Fluorescent Light Intensity At Zero Ambient > 1190 Lux (> 111 foot candles)
7. Cabinet Construction
8. Main Body: 1.2 mm (0.06") 16 gauge electrogalvanized steel with white oven-baked epoxy antimicrobial powder coated finish
9. Work Zone: 1.5 mm (0.06") 16 gauge stainless steel, type 304, with 4B finish
10. ULPA filters with efficiency greater than 99.999 % for superior operator and product protection
11. Standard Compliance
12. Filter performance: IEST-RP-CC034.1, IEST-RP-CC007.1, IEST-RP
13. Electrical safety: IEC 61010-1 / EN 61010-1 / UL 3101-1 / hsirig, CSA C22.2 No. 1010.1-92
14. ISO Class 3 or higher air cleanliness in work zone.
15. Negative pressure plenum should surround contaminated positive pressure plenum for quiet, uniform airflow
16. Microprocessor Control with temperature compensated airflow sensor for supervising all cabinet functions.
17. Antimicrobial coating on all painted surfaces to protect against surface contamination
18. Should utilize an extremely efficient backward curve fan, allowing for exceedingly low levels of cabinet power consumption.
19. Advanced separator less mini-pleated ULPA filters tested to > 99.999% efficiency for 0.1 - 0.3 micron particulates.
20. Digital read-out with alpha-numeric display should indicate all input, status and alarm functions.
21. An administrator controlled PIN (Personal Identification Number) which can be set to restrict access to main menu
22. The cabinet work zone should not have welded joints to collect contaminants or

rust.

23. A recessed central area and stainless steel drain pan channels for preventing liquids from entering the lower filtration and blower systems
24. Angled viewing window and narrow profile front grille to improve reach into the work area
25. Front armrest raised above the work zone to improve comfort and to ensure no airflow blockage
26. Frameless, shatterproof sash for easier cleaning, and for larger, unobstructed viewing area
27. The Biohazard Safety Cabinet Should be individually tested, documented by serial number and validated with the following test methods.
  - a. Inflow / downflow velocity
  - b. PAO Aerosol challenge for filter integrity
  - c. Light, noise and vibration
  - d. Airflow pattern visualization
  - e. Electrical safety to IEC61010-1
28. Electrical 220-240V, AC, 50Hz, 1Ø
29. All accessories including ducting pipe (average 20 feet) needed to make the equipment functional, must be supplied
30. Safety Certification: European CE or US FDA