

भारत सरकार
क्षेत्रीय औषध परीक्षण प्रयोगशाला



सत्यमेव जयते

केन्द्रीय औषध मानक नियन्त्रण संगठन
(स्वास्थ्य सेवाओं का महानिदेशालय)
स्वास्थ्य एवं परिवार कल्याण मंत्रालय
सैक्टर-39 सी, चन्डीगढ़-160036
फोन नं: 0172-2688239, फैक्स नं: 0172-2636316
No. 3-8 /2020-21/St/Equipments/699/20

GOVERNMENT OF INDIA
REGIONAL DRUGS TESTING LABORATORY

CENTRAL DRUGS STANDARD CONTROL ORGANISATION
(Directorate General of Health services)

Ministry of Health & Family Welfare

SECTOR-39 C, CHANDIGARH – 160036

Tel. No: -0172-2688239, Fax- No: 0172-2636316

E-mail id: directorrdtlchd@yahoo.com

Dated: 03.07.2020

Tender notice

Subject: Tender Rate Enquiry for supply and installation of Fume hood along with proper exhaust system in RDTL, Chandigarh.

Sealed Tender Rate Enquiries are invited for Fume hood along with proper exhaust system from interested and bonafide manufacturing firm(s)/distributors, who have been rendering/undertaking the specified work in the field of Scientific test equipments as per the specifications mentioned in Annexure A:-

S. No.	Item Name	Specification	Qty
1.	Fume hood along with proper exhaust system	As per Annexure A	1

2. The tenders should be submitted in sealed envelope, superscribed as '**Tender Rate Enquiry for supply and installation of Fume hood along with proper exhaust system in RDTL, Chandigarh**' and containing the below mentioned documents.

(a) One sealed envelope should be superscribed as '**Technical Bid**' and contain the following items;

(i) The Performa at **Annexure –II and III** duly filled in, along with relevant documents/information.

(ii) Details of offered Technical specification (by the firm(s)/distributors, as mentioned heading wise in the Annexure A.

(iii) Acceptance of terms and conditions as at **Annexure – I**

(b) Another sealed envelope should be superscribed with '**Financial Bid**' and contain the financial quotation.

3. Tender should be addressed to the Director, Regional Drugs Testing Laboratory, Sector 39-C, Chandigarh and be reached in this office within 21 days from the date of publishing of this tender, i.e. within **24.07.2020 at 3:00 PM**.

4. The quotations, so received will be opened on same day i.e. on **24.07.2020 at 3:30 PM** in this office.

5. Quotations received after stipulated date & time will be rejected forthwith.

6. The competent authority in the RDTL reserves the right to amend any of the term and conditions in the tender document or to reject any or all applications (offers) without giving any notice or assigning any reason thereof. The decision of the competent authority in this regard will be final and binding.

Dr. R. A. Singh
Director

Terms and Conditions

1. The quotation/tender should be submitted in sealed covers. Open quotation/tender will be summarily rejected.
2. The quotation duly filled in as per the instruction giving herein may be submitted directly or by post to this office up to 3:00 PM on dated: 24.07.2020.
3. The quotations, so received will be opened on same day i.e. on **24.07.2020 at 3:30 PM** in this office.
4. Tenders received after the stipulated date & time will not be accepted / considered.
5. **Vendors may inspect the site before submitting the quotation for assessments of duct length.**
6. **The shortlisted firm will have to provide the minimum 2 year warranty after the satisfactory installation on (24x7) hours running condition.**
7. **Compliance certificate for the material used should be provided by the firm.**
8. Necessary technical literature, catalogue and offered specifications should be provided along with Tender document. Any other ancillary parts/equipments which are required and may be essential to run the fully functional and complete System, but not mentioned in the tender document should be incorporated and quoted. The offer given in the Tender will be deemed to include all equipments required to effectively run the system.
9. Rates quoted for the Fume hood along with proper exhaust system should be inclusive of supply/ installation/freight etc. and no extra payment will be made for supply and installation of above items.
10. Only manufacturing firms/authorized distributors are eligible to participate. While Submitting the Tenders, the tendering firm shall have to furnish the proof of PAN No., Service Tax No., Sales Tax No., etc. as per Annexure-II
11. The tender received after due date and time or incomplete in any respect shall be summarily rejected.
12. No Advance payment would be made. Payment will be made only after successful installation of the systems.
13. The supply and installation of the Fume hood along with proper exhaust system would be made within **45 days** from the date of issue of the supply order.
14. Over-writing on the quotations must be avoided. Otherwise the quotations are likely to be rejected. The RDTL reserves the right to accept or reject any tender, in whole or in part thereof without assigning/ specifying any reason (s) thereof and the decision of the competent authority in the RDTL shall be final and binding on the contractor firm.
15. Parts / materials of the supplied Fume hood along with proper exhaust system should be in good conditions, of proper / Genuine quality and if at any stage, it is found that the item supplied is of sub-standard / inferior quality, the supplied materials will be rejected and the supplier / vendor has to return the items without claiming any cost and the supplier / vendor will be black listed for next 5 years and will be debarred to participate in any tender.
16. The metal part should not show any rust within the warranty period.
17. If in any circumstances, the first lowest successful bidder refuses or being unable to fulfill his obligations within the stipulated time frame, then the second successful lowest bidder may be offered and so on up to the lowest bidder where the price can be compared with at least 3 other bidder's prices.
18. Any dispute arising in the matter shall be resolved through an arbitrator, nominated by the competent authority in RDTL.
19. The contract shall be subjected to Indian Laws and jurisdiction of the court located in Chandigarh.

PROFORMA (Technical bid)

S.No.	Particulars	To be filled by the Tenderer
1.	Name of the agency	
2.	Whether brief profile of the agency is enclosed	
3.	Detailed Office Address of the agency with office telephone No. e-mail address, Fax No., Mobile No. and name/designation of the contract person.	
4.	Whether registered with all concerned Govt. authorities (Register of companies, Commissioner Employees etc.)(Copies of all certificates of Registration should be attached)	
5.	PAN Number (copies to be enclosed)	
6.	TIN Number Registration No. (Copy to be enclosed)	
7.	Service Tax Registration No. (copy to be enclosed)	
8.	Whether a copy of terms and conditions- Annexure-I duly signed as token of acceptance of the' same is attached	
9.	Whether the firm is blacklisted by any Government Department or any criminal case is registered against the firm or its owner/partners anywhere in India (if no, an undertaking to this effect is attached in this regard.)	

(Signature of the authorized person)

Date:

Place:

Name:

Designation:

Seal:

Annexure-III

**FINANCIAL BID FOR SUPPLY AND INSTALLATION OF FUME HOOD ALONG WITH PROPER EXHAUST SYSTEM IN
RDTL SECTOR 39-C, CHANDIGARH.**

With reference to RDTL letter No.....dated.....Regarding tender for supply and installation of Fume hood along with proper exhaust system, I/we quote the rate, inclusive of supply/installation/freight etc. As under:-

S.No	Item Name/Qty	Specifications	Cost of the Fume hood along with proper exhaust system
1.	Fume hood along with proper exhaust system		
2.	Taxes, if any		
3.	Grand Total		

IMPORTANT:

In case of discrepancy between the unit price and total price, the unit price shall prevail for computation.

Date:

Place:

(Signature of the authorized person)

Name:

Designation:

Seal:

Technical specification for bench top, low constant volume fume hood fully workable (The required parts which are not mentioned here will be as per vendors' specifications)		
Sr. No	Parameters	Requirement
1	Dimensions	Width: 5 ft (1500 mm) bench top fume hood or better. Double wall End Panel thickness: Note More Than (NMT) 6". Interior clear working height (on bench hood): Not Less Than (NLT) 40". Interior depth from the back of the sash to the front of the rear baffle: NLT 20". The sash opening above the work surface on bench hoods: NLT 28".
2	Material of front shutter	5 mm toughened clear glass or better. The bottom of the sash frame should have a full length metal handle. The glass should be mounted in a levelled channel with roller for smooth operation.
3	Constant volume fume hood should be	Airflow requirement: CFM-820 and SP-0.35 or better at 28" high Sash Opening at 80 FPM or better. CFM-540 and SP-0.15 or better at 18" high Sash Opening at 80 FPM or better.
4	Base Cabinet	2 door base unit with vent hole and louvers or as per the vendors' specifications. Special storage capability for corrosive chemicals should be provided.
5	Size of Sink	PP cup sink 102 mm x 175 mm or as per vendors' specifications.
6	Power Rating	As per vendors' specifications.
7	Safety Device Strip (Nos.)	NLT 01
8	Material of base Cabinet	Rigid complete steel structure of 0.8 mm G.I or Cold rolled prime grade roller levelled furniture steel of 18 gauges or better. FRV module is required for storage of acid. Chemical resistant powder coating or MS pure epoxy coating.
9	Working Platform material	18 mm thick Jet black granite in the form of a water tight pan, not less than 7mm deep to contain spillage/ Compressed Laminate/ Epoxy Resin / Stainless steel 316 or better.
10	Double wall Construction	Super Structure: Double wall ends, NMT 6" wide. Cut-outs should be provided inside the fume hood for service line accessibility. The same to have a cover with a fastener free design. The vertical fascias shall contain the required service controls, electrical switches and receptacles.
11	Ducting Material	PP + FRP lining with isothelic resin PP-FRP ducting, flanges & bends, gasket, support with threaded rod, clamps, anchor fasteners, washer nuts and bolts and UV resistant painting. A weather proof rain cowl should be provided at the outlet of blower. At least 5 mm thick Neoprene gasket should be used between the flanges.
12	Air Flow(Cubic meter/hr)	1700 cubic meter/hr or better
13	Width of Base Cabinet	750 mm or as per vendors' specification.
14	Ducting for hood	Length of the Duct should be verified by the vendors. Exhaust duct should be designed for NLT 10" nominal duct. PVC flexible duck connection required in order to avoid transmitting the blower vibrations to the hood wherever duct were connects to vibration isolated equipment and all exhaust final connection to fume hoods. Duct Support System: A complete supporting system consisting of fully threaded rods, double L bottom brackets nuts, Washers, clamps for circular ducts and anchor bolts should be supplied.
15	Efficiency & Noise level of Blower (%dB)	As per vendors' specifications.

Annexure-A

16	Thickness of wall (mm)	Not less than 7.0 mm (Liner: Interior liner panels should not be less than 6 mm thick fiberglass reinforced polyester sheet or should not be less than 6 mm thick compressed molded cellulose fiber reinforced phenolic resin core with integrally cured white melamine surfaces or better.)
17	Operating Temperature of fume hood (°C)	20°C - 30°C or better
18	Material of Fume hood	Super Structure: Free standing Rigid Panel structure of steel (G.I.) or 18 Gauge CRC sheets, electrode position Powder coated 60 – 80 micron or better. Service Line: All service lines inside the Fume Hood shall be one-fourth diameter for gases and half inch for water (hard tubing, made of SS 304/316 or Copper) or half-inch for soft-tubing.
19	No. of Drawers in the base Storage Unit (Nos)	Not less than 2
20	Fume hood installation Kit and Accessories	As per vendors' specifications.
21	Height of Base Cabinet (mm)	As per vendors' specifications.
22	Length of Base Cabinet (mm)	As per vendors' specifications.
23	Fire Resistant	As per vendors' specifications.
24	Utility Pipe lines for Nitrogen / Compressed Air	One-fourth diameter for gases made of SS 304/316 or Copper/PP / Brass Lacquer Coated for the nitrogen / compressed air.
25	Face Velocity (m/s)	0.4 or better
26	Type of Fumes suitable for	Acid vapour and non silica reactive or better
27	Overall width of Fume hood (mm)	1500 mm or better
28	Design of base cabinet	As per vendors' specifications.
29	Wattage of Blower (W)	Standard continuous rating, TEFC electric motor with class 'F' insulation and class B temperature rise. Motor should be suitable for outdoor installation with IP55 protection and suitable for operation with 415V/3Ph/50Hz electric supply. 1.5 HP / 2 P or better (Preferred Brand for Motor: ABB/ CG/ Siemens).
30	Material of Sink	PP / HDPE or better
31	Overall Height of Fume Hood (mm)	As per vendors' specifications.
32	Type of Blower	Medium pressure direct driven Centrifugal Blowers, 800 CFM at 40 mm WG Static pressure or better (Preferred Brand : Colasit / Euro Plast/ Plastifer).
33	Design details of baffles	Stable, non-adjustable, constructed of the same material as the hood lining. The baffle should be spaced out from the back liner and should be removable without use of tool for easy cleaning. It should have at least 3 point suction for low, medium and high density fume suction.

34	Design details of Electrical Services	As per vendors' specifications.
35	No. of Electrical Socket and Switch (Nos)	<p>Electrical Services:</p> <p>The hood structure should be fully wired with hood on-off switch or safety devices like trip, MCB for blower starter, etc. Inlet should be of 3 phase power supply and the whole electrical should be of plug and play type.</p> <p>It should contain at least 4 Nos. Electrical sockets and switches (230V, 5/16 A, 50Hz) (one Switch-socket pair for 20 AMPS)</p>
36	Material of the Blower	<p>Housing material: PP / PPs / PPs -el / PVC / PE / PVDF</p> <p>Impeller material: PP / PPs / PPs -el / PVDF</p> <p>Electro-galvanized stand should be provided to support the fan and motor in view of the corrosive environment.</p>
37	Working Platform Thickness (mm)	As per vendors' specifications.
38	Provision of Electrical Outlets	It should contain at least 4 Nos. Electrical sockets and switches (230V, 5/16 A, 50Hz).
39	Drawing available on web	As per vendors' specifications.
40	Features of various Utilities	<p>Utility services for Nitrogen, compressed air (Vacuum) & Raw water. Needle valve design, remote control, mounted to the hood interior side wall.</p> <p>All Fixtures should be made up of powder coated brass/ Brass Lacquer coated</p>
41	Dampers	The volume control dampers should be lever operated and complete with locking devices which can permit the dampers to be adjusted and locked in any position. Material: PP and rigid in construction.
42	Airfoil	Airfoil should be integrated to direct an air stream across the work surface to prevent back flow of air. The foil should not be less than 1.2 mm steel or 18 gauge painted steel structure.
43	Duct Collar	<p>Minimum 1 duct Collar.</p> <p>It should contain not less than 10" diameter FRP/PE/PP collar.</p>
44	Transition	PP, Not less than 6 mm to connect Fume hood with ducting.
45	Ceiling enclosures	Enclose space between front top and ceiling of fume hood super structure for raised sash.
46	Lighting	At least two LED light should be provided in the hood. The lighting fixture should be completely outside the fume hood area. The luminosity on the work surface should not be less than 600 Lux.
47	Sash Support System	It should employ notched belt and shaft interlocked gears or better. Belt to be Polyurethane with green polyimide fabric / equivalent / better material should be used on notch side with at least 10 mm wide x 5.6 mm thick rated at 3600N tensile strength / equivalent/ better. Support system should be rated to at least 300000 cycles (one full up and one full down sash motion) without a failure.