

Technical specifications for Chemical fume hood
Technical Compliance Statement

Supply, Installation, Testing, and Commissioning should be done by the vendor/supplier	
Certifications	Certifications should be provided
Material type	1. Corrosion resistant Galvanized Iron powder coated or stainless steel 2. Coating thickness should be mentioned 3. Thickness of all material should be mentioned
Working Dimensions	1. 1740 mm W X 750 mm D X 1190 mm H. Minimal space should be lost between working width and overall width 2. Fume hood should be floor mounted
Working area	1. ≥ 6 mm thick phenolic resin liner in the working area 2. Jet black granite working top with thickness ≥ 18 mm. Skirting of ≥ 15 mm from all sides for chemical containment 3. All the fumes generated in the work area should be exhausted. Exhaust port design should ensure that the fumes will be exhausted smoothly without any turbulence and condensation droplets on to the worktop. Noise level should be kept as low as possible.
Lattice rack	Strong and sturdy lattice rack inside the working area should be provided to hold the apparatus via clamps
Sash	1. Combinatorial sash (Vertical + Horizontal) without any plastic lining in center of the sash 2. Toughened Float Glass sash with thickness ≥ 6 mm. 3. Aerodynamic sash with counter-balanced with pulley and counter-weight system. Aerodynamic sash handle to ensure good chemical containment. 4. Single finger vertical & horizontal movement 5. Strong Nylon Timing belt for user safety 6. 2 counterweights for fail safe design 7. To restrict movement of sash for safe working, a PP sash stopper is installed in the sash track. A safe height sticker should be provided.
Airflow Damper	Built in the fume hood for air balancing
Airfoil	SS 304 (≥ 1.2 mm thickness) with teflon coating (30–40 Microns)
Level adjusting screws	Made of SS Bolts to adjust the fume hood level by + 5 mm
Sink and drain	1. Round shaped 150 mm PP cup sink 2. PP drainpipe (≥ 40 mm diameter). Silicon sealant for drainage 3. P type drain trap for waste collection 4. Brass powder coated water tap
Valves and Nozzles	1. Valves and nozzles for compressed air, Argon, Nitrogen, Vacuum, Raw water 2. Valves should be color coded 3. Valves should be operated from outside the fume hood 4. Utility nozzles should be placed backside of the front corner posts of the fume hood 5. Utility nozzles should be placed one above the other in the fume hood with colour coding 6. Utility nozzles should be tapered in shape to use with flexible tubing of sizes from $\frac{1}{4}$" to $\frac{1}{2}$" in diameter
Lights	1. Two LED tubelights of ≥ 40 watts 2. Vapor proof and sealed from top 3. Diffused light only, no direct lighting
Electrical sockets	1. There should be 6/16 amps combination socket and switches (6–8 numbers). 2. For circuit protection, miniature circuit breakers (MCB) should be

	provided. 3. Sockets should be splashproof. 4. Flammable solvent should not spill on the electrical sockets. 5. Provision for bringing the cables should be provided 6. Light switch & blower on/off Push button from Airflow monitor should be provided
Digital Display Air Flow Monitor	Should be provided to indicate the approximate face velocity of airflow with primary purpose of warning when a low flow condition occurs. Alarm should be included.
Storage cabinets	1. Two number of storage cabinets with a partition for storing chemicals under the sink base. Both the cabinets should be interconnected to the fume hood exhaust. 2. One of these will be for flammable storage while other would be for acid storage. Please mention the lining and type of material in the quote. 3. The cabinets should be on wheels
Ducting	Cost should be provided as required based on the site
Centrifugal blower	1. Silent PP + FRP high efficiency remote blower, consisting of continuous rating motor and chemical resistant impeller. It should satisfy international safe velocity norms. 2. Construction: SISW type, chemical & heat resistant PP + FRP blower with aerodynamically balanced PP impeller, with drain plug 3. Air suction capacity should be mentioned 4. Motor power and make should be mentioned 5. Drive: Direct Drive 6. Noise level should be mentioned
Warranty	One year comprehensive on-site warranty Two preventive maintenance from the date of installation and commissioning every year

TENDER ACCEPTANCE LETTER
(To be submitted on Company's letterhead)

To,

The Director

National Centre for Biological Sciences,

Bangalore, Karnataka – 560065.

Sub: Acceptance of Terms & Conditions of Bid document.

Bid Reference No:

Name of Bid:

Dear Sir,

1. I/We have downloaded/obtained the tender document(s) FOR THE ABOVE MENTIONED 'Tender/Work' from the website(s) namely _____ as per your advertisement, given in the above mentioned website.
2. I/We hereby certify that I/we have read the entire terms and conditions of the bid document(s) including all documents like annexure(s), schedule(s) etc., which will form part of the contract agreement and I/we shall bid hereby by the terms/conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/organizations related to this bid too have also been taken into consideration, while submitting this acceptance letter.
4. I/We hereby unconditionally accept the bid conditions of above mentioned bid document(s)/corrigendum(s) in its totality/entirely.
5. I/We do hereby declare that our firm/company has not been blacklisted/debarred by any Govt. Department/Public Sector undertaking.
6. I/We certify that all information furnished by the our firm/company is true&correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,

(Signature of the Bidder, with Official Seal)

ANNEXURE – C**SCHEDULE OF EXPERIENCE**

(To be submitted on Company's letterhead)

Please furnish list of major supplies/works undertaken in relevant to this tender during the past two years.

Sl. No.	Name of the company with full address	Name of project	Purchase Order No. & date	Brief description	Value (Rs.)
Signature					
Name					
Designation					
Name of company					
Date					
Seal of the company					

ANNEXURE-D**SCHEDULE OF DEVIATION FROM SPECIFICATIONS/CONDITIONS**

(To be submitted on Company's letterhead)

All deviations from the specifications/conditions shall be filled in by the bidder in this schedule.

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The bidder hereby certifies that the above mentioned are the only deviations from Technical Specification of this tender. [State NIL if no deviation is envisaged].

Signature	
Name	
Designation	
Name of the company	
Date	
Seal of the company	

Certificate for Local Content

(To be submitted on Company's letterhead))

“We (name of manufacturer) hereby confirm in respect of quoted item(s) that Local Content is equal to or more than 50% and come under “Class-I Local Supplier” Category. As being “Class – I Local Supplier”, we are eligible for Purchase Preference under “Make in India” Policy vide GOI Order No.P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020).

OR

“We (name of manufacturer) hereby confirm in respect of quoted item(s) that Local Content is more than 20% but less than 50% and come under “Class-II Local Supplier” Category.

The details of the location (s) at which the local value addition made is/are as under:

- 1.
- 2.
- 3.

*Strike out whichever is not applicable

Date:

Seal & Signature of the Bidder

NOTE:

1. Self-certification that the item offered meets the minimum local content (as above) giving details of the location(s) at which the local value addition is made in case the bidder wishes to avail the benefits under the make in India policy, if applicable.
2. In cases of procurement for a value in excess of Rs.10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content to avail the benefits under the make in India Policy, if applicable.

Declaration of Compliance of Order (Public Procurement No.1, 2, 3 & 4) dtd 23rd Jul 2020, 24th Jul 2020 and 23rd Feb 2023 on Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017

(To be submitted on Company's letterhead)

Tender No. :-

Date:

CERTIFICATE

I have read the clause related to insertion of Rule 144 (xi) in the General Financial Rules 2017 vide O.M No.F.7/10/2021-PPD(1) dated 23rd February, 2023 (Public Procurement No.4) and any amendment made thereafter of the Ministry of Finance regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that M/s (name of bidder entity) is not from such a country.

OR (whichever is applicable)

I have read the clause related to insertion of Rule 144 (xi) in the General Financial Rules 2017 vide O.M No.F.7/10/2021-PPD(1) dated 23rd February, 2023 (Public Procurement No.4) and any amendment made thereafter of the Ministry of Finance regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that M/s (name of bidder entity) is from _____ (Name of Country) and has been registered with the Competent Authority. I also certify that this bidder fulfills all the requirements in this regard and is eligible to be considered. (Copy/ evidence of valid registration by the Competent Authority is to be attached)

AND

I have read the clause regarding restriction on procurement from a bidder having Transfer of Technology (ToT) arrangement. I certify that M/s (name of bidder entity) does not have any ToT arrangement requiring registration with the competent Authority

OR (whichever is applicable)

I have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement. I certify that M/s (name of bidder entity) has valid registration to participate in this procurement.

We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rule for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Signature of Bidder/ Agent with Company seal

Name: _____

Designation: _____

Organization Name: _____

Contact No. : _____

Bid Security Declaration

(to be submitted on Company's Letter Head)

I/We the undersigned hereby declare that if we withdraw or modify the bids during the period of its validity, or if we are awarded the contract and fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document or fail to execute the contract, we will be suspended for the period of time specified in the request for bids document from being eligible to submit bids for contracts with the entity that invited the bids.

Name and Signature
of Authorized Signatory
and Company Seal

Declaration

(to be submitted on Company's Letter Head)

I, the undersigned, (full names), do hereby declare, in my capacity as of M/s(name of bidder entity), that:

1) The facts contained herein are within my own personal knowledge.

2) I have read the Order and provisions of Government of India, Ministry of Finance, Department of Expenditure, Procurement Policy Division OM No.F/1/20/2018-PPD dated 02.11.2021 and confirm that I/we have not been convicted of an offence and not engaged in any of the acts as mentioned below:

A bidder shall be debarred if he has convicted of an offence-

(a) under the Prevention of Corruption Act, 1988: or

(b) the Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a Public Procurement Contract

AUTHORISED SIGNATURE:

DATE: _____

Seal / Stamp of Bidder

Certificate of Availability of Spares
(to be submitted on OEM's letter head)

No. _____

Date: _____

Director,
National Centre for Biological Sciences,
GKVK campus, Bellary Road,
Bangalore – 560065.

Dear Sir:

We _____ who are established and reputable manufacturers of having factories/works at _____ (address) do hereby authorize M/s _____ (Name and address of Agent) to submit a bid, negotiate and receive the order from you against your tender enquiry mentioned on front page.

We hereby extend our full support for the supply spares parts including service support as per

Clause 15.b) of the terms and conditions for the entire life of the product quoted by us. The life of the product is estimated to be _____ years.

Yours faithfully,

(Name)

(Name of manufacturers)

Note: This Certificate/Undertaking should be on the **letterhead of the manufacturer** and should be signed by a person competent and having the power of attorney to bind the manufacturer. It should be included by the Bidder in its techno-commercial un priced bid.