

CENTRAL POLLUTION CONTROL BOARD

Regional Directorate (North), PICUP Bhawan
Vibhuti Khand, Gomti Nagar, Lucknow
Tel: 0522 4087600, Fax: 0522-4087602
Email: lucknow.cpcb@gmail.com

Notice Inviting Tender Through Online: e-Portal

e-tender for Supply, Installation, Testing and Commissioning of Lab Furniture

Sub: Invitation of online quotations for Supply, Installation, Testing and Commissioning of Lab Furniture in Central Pollution Control Board (CPCB), RD, Lucknow Laboratory at First Floor, PICUP Bhawan, Vibhuti Khand, Gominagar, Lucknow 226010 (UP)

1. You are invited to submit your most competitive quotation for construction of the following works:-

**Brief Description
of the Works**

**Period of
Completion**

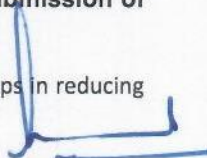
Supply, Installation, Testing
and Commissioning of
Lab Furniture

03 months from the date of letter
to proceed with work in Laboratory
of CPCB, RD, Lucknow

2. Government of India has received/has applied for/intends to apply for financing from the World Bank towards the cost of the NGRBA Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. To assist you in the preparation of your quotation, we are enclosing the following:
- Layout Drawings of the works;
 - Structural Details;
 - Detailed Bill of Quantities
 - Technical Specifications; Enclosed
 - Instructions to Bidders (in two sections). Enclosed
 - Draft Contract Agreement format which will be used for finalizing the agreement for this Contract. Enclosed
4. **Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app> latest by 16.00 Hrs. on 02.09.2019 and will be opened at 16.30 Hrs. on 03.09.2019.**

Tenderer/Contractor are advised to follow the instructions "Instructions To Bidder for Online Bid Submission" provided in the Annexure "A" for online submission of bids -

Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.


S.K. Gupta
Regional Director

Instructions to Bidders

SECTION - A

1. Scope of Works

The Central Pollution Control Board invites online quotations for the construction of works as detailed in the table given below

Brief Description of the Works	Period of Completion
Supply, Installation, Testing and Commissioning of Lab Furniture in CPCB RD Lucknow, Laboratory	03 months from the date of letter to proceed with work

The successful bidder will be expected to complete the works by the intended completion date specified above.

2. Qualification of the bidder: The bidder shall provide information on his qualification which shall include:-

- Total monetary value (i.e. final amount received for the work) of works executed by him for each year of the last 3 years: i.e. F.Y. 2016-17, 17-18, 18-19. Copy of the certificate for final amount received to be enclosed.
- Report on his financial standing; i.e. balance sheet and
- Details of any litigation, during the last 3 years in which the bidder is involved, the parties concerned, and disputed amount in each case (Give details of both completed and pending cases) and non-performed contracts

3. To qualify for award of the contract the bidder:-

- should have satisfactorily completed as a prime contractor at least one similar work i.e. Supply, Installation, Testing and Commissioning of Lab Furniture of value not less than Rs. 25,00,000/- (Rupees Twenty-Five Lakh) or 02 similar works of Rs. 12,50,000/- (Rupees Twelve Lakh Fifty Thousand) in the last three years;
- should possess valid electrical license for executing building electrification works (in the event of the works being sub - contracted, the sub-contractor should have the necessary license);
- Should have valid registration in CPWD or any other Govt. department in appropriate category, valid copy of GST registration, PAN card. Documentary evidence to be enclosed.

(d) **Conflict of Interest:** A Bidder (a) shall not participate in more than one Quotation; (b) shall not have conflict of interest as defined in the Bank's Procurement Regulations/Guidelines [select one of the two options]; and (c) should not have been (i) temporarily suspended or debarred by the World Bank Group in compliance with the Bank's Anti-Corruption Guidelines and its Sanctions Framework; or (ii) blacklisted or suspended by Central or any State Government Departments in India.

(e) **Clarification and amendments:** If the Employer receive any request for clarification of this document, it will upload its response together with any amendment to this document, on the e-procurement system, for any amendments to this document.

4. Bid Price

- a) The quotation shall be for construction of the whole works as described in the Bill of quantities, drawings and technical specifications. All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
- b) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. The payment shall be made as per actual work done.
- c) The rates should be quoted in Indian Rupees only.

5. Submission of Quotations

5.1 The bidder is advised to visit the site of works at his own expense and obtain all information that may be necessary for preparing the quotation i.e. location of work, electrical room, nearest water supply line etc.

5.2 Each bidder shall submit only one quotation.

5.3 The quotation submitted by the bidder shall comprise the following: -

- (a) Signed Bill of Quantities; and
- (b) Qualification information form given in Section B duly completed.

5.4 Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app> 16.00 Hrs. on 02.09.2019. The same will be opened 16.30 Hrs. on 03.09.2019

Tenderer/Contractor are advised to follow the instructions "Instructions To Bidder for Online Bid Submission" provided in the Annexure - A " for online submission of bids - .

Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.



6. Validity of Quotation

Quotation shall remain valid for a period not less than 45 days after the deadline date specified for submission.

7. Opening of Quotations – The quotations received in Two-Bid system i.e. Technical Bid and Financial bid. The Technical evaluation shall be carried out after last date of Bid Submission.

8. Information relating to evaluation of quotations and recommendations for the award of contract shall not be disclosed to bidders or any other persons not officially concerned with the process until the award to the successful bidder is announced.

9. Evaluation of Quotations

The Employer i.e. Central Pollution Control Board will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) meet the qualification criteria specified in clause 3 above;
- (b) are properly signed; by the authorized representative and
- (c) confirm to all the terms and conditions, specifications and drawings without material deviations.

10. Award of contract

The Employer will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price and who meets the specified qualification criteria.

10.1 Notwithstanding the above, the Employer reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

10.2 The bidder whose quotation is accepted will be notified of the award of contract by the Employer prior to expiration of the quotation validity period.

11. Performance Security

Within 15 days of receiving letter of acceptance, the successful bidder shall deliver to the Regional Director, Central Pollution Control Board, PICUP Bhawan, Vibhuti Khand, Gomtinagar, Lucknow 226010 (UP) the performance security (either a bank guarantee or a bank draft in favor of the Employer) for an amount equivalent of 5 % of the contract price. The Performance Security shall be valid till the expiry of the period of maintenance of the work, specified in clause 12. Failure of the successful Bidder to furnish performance security and signing the agreement within the period stipulated shall constitute sufficient grounds for annulment of award and debarring the bidder from participation in bidding by



Employer for a period of one year, in which case the Employer may make the award to the next lowest evaluated bidder or seek quotations afresh.

12. Period of Maintenance:

The "Period of Maintenance" for the work is six months from the date of taking over possession by the Employer or one full monsoon season whichever occurs later. During the period of maintenance, the contractor will be responsible for rectifying any defects in construction free of cost to the Employer.

- 13.** Supply of all construction materials including cement and steel as per the specifications (ISI certification marked goods wherever available) shall be the responsibility of the contractor. Employer will not issue any material/equipment.

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SECTION - B

- 1. Format for Qualification Information.**
- 2. Format for Submission of Quotation.**
- 3. Format of Letter of Acceptance.**

QUALIFICATION INFORMATION

1 For Individual Bidders

1.1 Principal place of business: _____

Power of attorney of signatory of Quotation.
[Attach copy]

1.2 Total value of works FY or CY 20___ _____
 completed in the last 20___ _____
 three years (in Rs. Lakhs) 20___ _____

1.3 Work performed as prime contractor (in the same name) on supply of a similar nature over the last three years.

<u>Project Name</u>	<u>Name of Employer</u>	<u>Description of supply</u>	<u>Contract No.</u>	<u>Value of contract (Rs.Lakhs)</u>	<u>Date of issue of work order</u>	<u>Stipulated period of completion</u>	<u>Actual date of completion*</u>	<u>Remarks explaining reasons for delay and work completed</u>
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Existing commitments and on-going works:

Description of work	Place & State	Contract No. & Date	Value of Contract (Rs. Lakhs)	Stipulated period of completion	Value of works* remaining to be completed (Rs. Lakhs)	Anticipated date of completion
(1)	(2)	(3)	(4)	(5)	(6)	(7)

* *Enclose a certificate from the Engineer concerned for completion as well as value of pending works.*

my.

1.4 Proposed subcontracts and firms involved.

Sections of the supply	Value of Sub-contract	Sub-contractor (name & address)	Experience in similar work
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*

1.5 Evidence of access to financial resources to meet the requirements of working capital: cash in hand, lines of credit, etc. List them below and attach copies of support documents.

1.6 Name, address, and telephone, telex, and fax numbers of the Bidders' bankers who may provide references if contacted by the Employer.

1.7 Information on litigation history in which the Bidder is involved.

Name of the work	Agreement number/date	Name & address of Employer	Contract Value in Rs	Cause of dispute	Amount Disputed	Remarks showing present status



QUOTATION

Description of the Works: Supply, Installation, Testing and Commissioning of Lab Furniture in CPCB RD Lucknow Laboratory at First Floor, PICUP Bhawan, Vibhuti Khand, Gomtinagar, Lucknow 226010 (UP)

To:

Subject : Supply, Installation, Testing and Commissioning of Lab Furniture in CPCB RD Lucknow Laboratory at First Floor, PICUP Bhawan, Vibhuti Khand, Gomtinagar, Lucknow 226010 (UP)

Reference : Letter No ZOL/Tech/Store/147 (Lab Stren)/ Dated 30.07.2019

Sir,

We offer to execute the Works described in your letter referred to above in accordance with the Conditions of Contract enclosed therewith

This quotation and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any quotation you receive.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery or collusive arrangements with the competitors. We will abide by the laws against fraud & corruption in force in India namely "Prevention of Corruption Act-1988 as amended on date.

We hereby confirm that this quotation is valid for 45 days as required in Clause 6 of the Instructions to Bidders.

We have not been debarred/removed from approved lists/ (dealings suspended) for participation in bidding for tenders by the Central/State Governments or by the World Bank.

Yours faithfully,

Authorized Signature : _____ Date: _____

Name & Title of Signatory : _____
Name of Bidder : _____
Address : _____

**LETTER OF ACCEPTANCE
CUM NOTICE TO PROCEED WITH THE WORK**

(LETTER HEAD OF THE EMPLOYER)

Dated: _____

To: _____ [Name and address of the Contractor]

Dear Sirs,

This is to notify you that your quotation dated _____ for the execution of _____ of _____ for the contract price of Rupees _____ [amount in words and figures], is hereby accepted by us.

You are hereby requested to furnish performance security for an amount of Rs. _____ (equivalent to 5% of the contract price) within 15 days of the receipt of the letter. The Performance Security in the form of Bank guarantee or a Bank draft in favor of Central Pollution Control Board, Lucknow (Employer) shall be valid till the expiry of the period of maintenance i.e. up to _____. Failure to furnish the Performance Security will entail cancellation of the award of contract.

You are also requested to sign the agreement form and proceed with the work not later than _____ under the instructions of the Engineer, _____ and ensure its completion within the contract period.

With the issuance of this acceptance letter and your furnishing the required Performance Security, the contract, for the above said work, stands concluded.

Yours faithfully,

**Authorized Signature
Name and title of Signatory**

**Draft Contract Agreement form for
Construction through National Shopping**

ARTICLES OF CONTRACT AGREEMENT

This deed of agreement is made in the form of agreement on _____ day
_____ month _____ 20. ____, between the
_____ (Employer) or his authorized representative
(hereinafter referred to as the first party) and _____ (Name of the
Contractor/firm), S/O _____ resident of _____ (hereinafter
referred to as the contractor/firm), to execute the work of construction of
_____ (hereinafter referred to as works) on the following terms
and conditions.

2. Cost of the Contract

The total cost of the works (hereinafter referred to as the "total cost") is Rs. _____
as reflected in Annexure - 1.

3. Payments under its contract:

Payments to the second party for the work will be released in two phases each of
50% of the Contract Price. Status of work execution / completion shall be adjudged
by a Designated Committee, Constituted by CPCB RD, Lucknow.

4. Notice by Contractor to Engineer

The second party, on the works reaching each stage of construction, will inform to
the first party or the Designated Committee constituted by first party (who is
responsible for supervising the contractor, administering the contract, certifying the
payments due to the contractor, issuing and valuing variations to the contract,
awarding extensions of time etc.), to visit the site for evaluation of work(s)
executed.

5. Completion time

The works should be completed in 03 months from the date of this Agreement. In
exceptional circumstances, the time period stated in this clause may be extended in
writing by mutual consent of both the parties.

**6. If any of the compensation events mentioned below would prevent the work being
completed by the intended completion date, the first party will decide on the
intended completion date being extended by a suitable period:**

- a) The first party does not give access to the site or a part thereof by the
agreed period.
- b) The first party orders a delay or does not issue completed drawings,
specifications or instructions for execution of the work on time.



- c) Ground conditions are substantially more adverse than could reasonably have been assumed before issue of letter of acceptance and from information provided to second party or from visual inspection of the site.
 - d) Payments due to the second party are delayed without reason.
7. Any willful delay on the part of the second party in completing the construction within the stipulated period will render him liable to pay liquidated damages. @ Rs. 2000/- (Rupees Two Thousand) per day which will be deducted from payments due to him. The first party may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 3 % of the contract amount.
- 8. Duties and responsibilities of the first party**
- 8.1 The first party shall be responsible for providing regular and frequent supervision and guidance to the second party for carrying out the works as per specifications. This will include written guidelines and regular site visit of the authorized personnel of the first party, for checking quality of material and construction to ensure that it is as per the norms.
- 8.2 The first party shall supply 3 sets of drawings, specifications and guidelines to the second party for the proposed works.
- 8.3 Possession of the site will be handed over to the second party within 10 days of signing of the agreement.
- 8.4 The Designated Committee / Engineer or such other person as may be authorized by the first party shall hold meeting once in a fortnight where the second party or his representative at site will submit the latest information including progress report and difficulties if any, in the execution of the work. The whole team may jointly inspect the site on a particular day to take stock of activities.
- 8.5 The Designated Committee / Engineer shall record his observations/instructions at the time of his site visit in a site register maintained by the second party. The second party will carry out the instructions and promptly rectify any deviations pointed out by the engineer. If the deviations are not rectified, within the time specified by the Designated Committee / Engineer's notice, the first party as well as the Designated Committee / engineer nominated by it, may instruct stoppage or suspension of the construction. It shall thereupon be open to the first party or the Designated Committee / engineer to have the deviations rectified at the cost of the second party.
- 9. Duties and responsibilities of the second party**
- 9.1 The second party shall:
- a) take up the works and arrange for its completion within the time period stipulated in clause 5;



- b) employ suitable skilled persons to carry out the works ;
- c) regularly supervise and monitor the progress of work ;
- d) abide by the technical suggestions/direction of Designated Committee / personnel including engineers etc. regarding work execution;
- e) be responsible for bringing any discrepancy to the notice of the representative of the first party and seek necessary clarification :
- f) ensure that the work is carried out in accordance with specifications, drawings and within the total of the contract amount without any cost escalation ;
- g) keep the first party informed about the progress of work ;
- h) be responsible for all security and watch and ward arrangements at site till handing over of the building to the first party ; and
- i) maintain necessary insurance against loss of materials/cash, etc. or workman disability compensation claims of the personnel deployed on the works as well as third party claims.
- e) Pay all duties, taxes and other levies payable by construction agencies as per law under the contract (First party will affect deduction (TDS) from running bills in respect of such taxes as may be imposed under the law).
- f) The Second Party shall be bound to follow the Occupation and Safety Policy of CPCB RD, Lucknow, Laboratory.

10. Variations / Extra Items

The works shall be carried out by the second party in accordance with the approved drawings and specifications. However, if, on account of site conditions or any other factors, variations are considered necessary, the following procedure shall be followed:-

- a) The second party shall provide the Engineer with a quotation for carrying out the Variation when requested to do so by the Engineer. The Engineer shall assess the quotation, which shall be given within seven days of the request before the Variation is ordered.
- b) If the quotation given by the second party is unreasonable, the Engineer may order the Variation and make a change to the Contract Price which shall be based on Engineer's own forecast of the effects of the Variation on the Contractor's costs.
- c) The second party shall not be entitled to additional payment for costs which could have been avoided by giving early warning.



d)

11. Securities

The Performance Security (Bank Guarantee from a Nationalized or Scheduled Bank in India in the format attached) shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer. The Performance Security shall be valid until a date 28 days from the date of issue of the Certificate of Completion in the case of a Bank Guarantee.

12. Termination

12.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.

12.2 Fundamental breaches of Contract include, but shall not be limited to the following:

- (a) the contractor stops work for 28 days and the stoppage has not been authorized by the Engineer;
- (b) the Contractor has become bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- (c) the Engineer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;
- (d) the Contractor does not maintain a security which is required;
- (e) the Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as defined in the clause 7 of this agreement

12.3 Notwithstanding the above, the Employer may terminate the Contract for convenience.

12.4 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

13. Payment upon Termination

13.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for the value of the work done less advance payments received up to the date of the issue of the certificate, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law.

13.2 If the Contract is terminated at the Employer's convenience, the Engineer shall issue a certificate for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the



Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to be deducted at source as per applicable law.

14. Dispute settlement

If over the works, any dispute arises between the two parties, relating to any aspects of this Agreement, the parties shall first attempt to settle the dispute through mutual and amicable consultation.

In the event of agreement not being reached, the matter will be referred for arbitration by a Sole Arbitrator not below the level of retired Superintending Engineer, PWD to be appointed by the first party. The Arbitration will be conducted in accordance with the Arbitration and Conciliation Act, 1996. The decision of the Arbitrator shall be final and binding on both the parties. The Arbitrator shall give his award/decision within 60 days of start of proceedings

Signed and delivered by Sri. _____ for and on behalf of the Contractor

In the presence of the Witness:

i)

ii)

SIGNATURE

Signed and delivered by Sri _____ Deputy Executive Engineer/Executive Engineer/Superintending Engineer _____ of _____ for an on behalf of the Government.

In the presence of the Witness:

i)

ii)

SIGNATURE

BILL OF QUANTITIES

Supply, Installation, Testing & Commissioning of Lab Furniture at CPCB RD Lucknow Laboratory

Technical Specifications, Quantity

(This is for reference only Bidders should fill-up the rates in the BOQ uploaded on CPPP along with e-tender)

Sr. No.	Description	Qty	Unit	Unit Price (INR)	Total price (INR)
1 Fresh Water Lab					
2	Wall Bench (WB-1) Size: L 5500 mm x W 750mm x H 900 mm	1.00	No.		
	- Worktop in 18 mm thick Black Granite Construction	4.13	sqm		
	- 750 mm wide storage module with one drawer two shutters	7.00	Nos.		
	- Worktop mounted electrical raceway in G.I. Construction	5.50	Rmt.		
	- 6/16 Amp Electrical Switch and Socket	12.00	Nos.		
	- Close Panel in G.I. Construction	1.00	No.		
	- Vertical support	1.00	No.		
	- MS 30 x 30 x 1.2 mm Sq. Pipe for Granite Support	4.00	Nos.		
	- Filler Panel in G.I. Construction	2.00	Nos.		
3	Island Bench (IB-1) Size: L 7500 mm x W 1500 mm x H 900 mm	1.00	No.		
	- Worktop in 18 mm thick Black Granite Construction	11.25	Sqm.		
	- 750 mm wide storage module with one drawer and two shutters	16.00	Nos.		
	- 750 mm wide storage module with two shutters only	2.00	Nos.		
	- 350 mm wide storage module with one shutter only	4.00	Nos.		
	-Double sided double tired reagent rack with electrical raceway	6.00	Rmt.		
	- 6/16 Amp Electrical Switch and Socket	32.00	Nos.		
	-LAN Point	8.00	Nos.		
	- PP sink size (L 600 x W 450 x D 315 mm)	2.00	Nos.		
	- Worktop mounted Three way water tap with swan neck spout	2.00	Nos.		
	- Peg Board in Phenolic resin Construction with 20 Nos. SS Pegs	2.00	Nos.		
	- MS 30x30x1.2 mm Sq. Pipe for Granite Support	6.00	Nos.		
	-Filler Panel in G.I. Construction	2.00	Nos.		
4	Spot Extractor	2.00	Nos.		
	-Premier make spot extractor in PP Construction with 300/350 dia dome with ceiling bracket in CRC pipe Construction with necessary provision to connect exhaust duct.				
5	Constant Bypass type Bench Fume hood (Size: L 1800 x D 915 x H 2300 mm)	1.00	Nos.		
	Consisting of following: (As specified in Annexure-II)				
	-Fume hood Superstructure				
	-Fume hood Worktop				
	-Electrical Fittings				
	-Controls				
	-Fume hood understructure				
	-Fume hood undercabinet				
	-Accessories				

Sr. No.	Description	Qty	Unit	Unit Price (INR)	Total price (INR)
6	Chemical Storage cabinet (CSC) SIZE: L 750 x D 450 x H 1830 mm	2.00	Nos.		
	-Outer frame in aluminum anodized Construction -Outer body in GI epoxy powder coated Construction -Inner Skin/Baffles in 5mm Thick PP Construction -Cabinet will have 4 nos. adjustable shelves and 1 no. fixed shelf with PP covering sheet on shelves. -Special arrangement for ventilation from each shelf. -Double skin Glass doors with Lock, Nylon Hinges, SS handles meant for ventilation form each shelf. -100mm dia Duct damper in PP Construction				
7	Glassware Storage Cabinet with GLASS DOORS	2.00	No.		
	-Size L 750 x D 450 x H 1830 mm -Wall mounted cabinets in G.I. Construction one no adjustable shelf with double skin Glass doors and Locks				
8	Exhaust Fan (450 mm Dia.)-One fan for one 1800 mm Fume Hood, Two Spot Extractor, Two chemical Storage cabinet	1.00	No.		
	-SISW direct driven design, Exhaust fan, capacity 1600-1700 CFM at 25-40mm WC static pressure: consisting of -Punker-Germany Make impeller duly finished with chemical resistant super special coating. -Drive- 2.5 HP, 4 Pole, 3Ph, 415V, 50Hz, TEFC class B installation -induction motor with IP55 enclosure in non-FLP const. -DOL Starter for Motor				
9 Waste Water Lab					
10	Wall Bench (WB-1) size: L 5500 mm x W 750 mm x H 900 mm	1.00	No.		
	-Worktop in 18mm thick Black Granite Construction -750mm wide storage module with one drawer two shutters -Worktop mounted electrical raceway in G.I. Construction -6/16 Amp Electrical Switch and Socket -Close Panel in G.I. Construction -Vertical Support -MS 30 x 30 x 1.2 mm Sq. Pipe for Granite support -Filler Panel in G.I. Construction	4.13 7.00 5.50 12.00 1.00 1.00 4.00 2.00	Sqm Nos. Rmt. Nos. No. No. Nos. Nos.		
11	Island Bench (IB-1) Size: L 7500mm x W 1500 mm x H 900 mm	1.00	No.		
	-Worktop in 18 mm thick Black Granite Construction -750 mm wide storage module with one drawer and two shutter -750 mm wide storage module with two shutters only -350 mm wide storage module with one shutter only -Double sided double tired reagent rack with electrical raceway -6/16 Amp Electrical Switch and Socket -LAN Point -PP sink size (L 600 x W 450 x D 315mm) -Worktop mounted Three way water tap with swan neck spout -Peg Board in Phenolic resin construction with 20 Nos SS pegs -MS 30 x 30 x 1.2mm Sq. Pipe for Granite Support -Filler Panel in G.I. Construction	11.25 16.00 2.00 4.00 6.00 32.00 8.00 2.00 2.00 2.00 6.00 2.00	Sqm Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.		

Sr. No.	Description	Qty	Unit	Unit Price (INR)	Total Price (INR)
12	Spot Extractor	2.00	Nos.		
	Premier make spot extractor in PP construction with 300/350 dia dome with ceiling bracket in CRC pipe construction with necessary provision to connect exhaust duct				
13	Chemical storage cabinet (CSC) size: L 750 x D 450x H 1830 mm	2.00	Nos.		
	<ul style="list-style-type: none"> - Outer frame in aluminum anodized construction - Outer body in GI epoxy power coated construction - Inner Skin/Baffles in 5mm Thick. PP construction - Cabinet will have 4 nos. adjustable shelves and 1 no. fixed shelf with PP covering sheet on shelves - Special arrangement for ventilation from each shelf Double skin Glass doors with Lock. Nylon Hinges, SS handlement for ventilation from each shelves. - 100mm dia. Duct damper in PP construction 				
14	Glassware Storage Cabinet with GLASS DOORS	1.00	No.		
	Size: L 750 x D 450x H 1830mm -Wall mounted cabinets in G.I. construction one no adjustable self with double skin Glass doors and Locks				
15	Low Constant Volume Bench type Fume Hood (Size :L 1200 x D 915 x H 2300 mm)	2.00	Nos.		
	<p>Consisting of following: (As specified in Annexure – III)</p> <p>Fume hood Superstructure Fume hood Worktop Electrical Fittings Control Fume hood understructure Fume hood under cabinet Accessories</p>				
16	Exhaust Fan (450 Dia.)- One fan for two 1200mm type fume hood, two spot extractor, two chemical storage cabinet	1.00	No.		
	<p>SISW direct driven design, Exhaust fan, capacity 1800-1900 CFM at 25-40mm WC static pressure; consisting of</p> <ul style="list-style-type: none"> -Punker – Germany Make impeller duly finished with chemical resistant super special coating - Drive – 1 HP, 4 Pole, 3 Ph, 415V, 50HZ, TEFC Cass B insulation induction motor with IP 55 enclosure, in non-FLP const. - DOL Starter for Motor 				
17 Micro Biology Lab					
18	Wall Bench (WB-2) in S.S. 304 construction Size: L 1300mm x W 750mm x H 900mm	1.00	No.		
	<ul style="list-style-type: none"> -Worktop Fabricate in 1.6 mm thick Double skin SS304 Construction -750 mm wide storage module with two shutters only -500 mm wide storage module with one drawer and one shutter -SS sink size (L 610 x W 460 x D 230mm) -Worktop mounted three-way water tap with swan neck spout -MS 30x30x1.2 mm Sq. Pipe for Granite Support -Back Panel Filler Panel in S.S. 304 Construction 	0.98	Sqm		
		1.00	No.		
		1.00	Nos		
		1.00	No.		
		1.00	No.		
		1.00	No.		
		1.00	No.		
		1.00	No.		
19	Glassware Storage Cabinet with GLASS DOORS	1.00	No.		
	Size: L 1000 x D 450x H 2100mm - Wall mounted cabinets in G.I. construction one no adjustable self with double skin Glass doors and Locks				
20	Shoe & Aprons storage cabinet (In SS304 Construction	1.00	No.		
	-Size L 1000 x W 500 x H 2000mm				
Sr. No.	Description	Qty	Unit	Unit Price (INR)	Total Price (INR)

21 Chemical Store				
22	Glassware Storage Cabinet with GLASS DOORS	5.00	Nos.	
	Size: L 1000 x D 450x H 2100mm - Wall mounted cabinets in G.I. construction one no adjustable self with double skin Glass doors and Locks			
23	Chemical Storage cabinet (CSC) size: L 750 x D 450x H 1830 mm	5.00	Nos.	
	- Outer frame in aluminum anodized construction - Outer body in GI epoxy power coated construction - Inner Skin/Baffles in 5mm Thick. PP construction - Cabinet will have 4 nos. adjustable shelves and 1 no. fixed shelf with PP covering sheet on shelves - Special arrangement for ventilation from each shelf - Double skin Glass doors with Lock. Nylon Hinges, SS handlement for ventilation from each shelf. - 100mm dia. Duct damper in PP construction			
24	Exhaust Fan (315 mm Dia.)- One fan for 5 No. of Chemical storage cabinet	1.00	No.	
	WISW direct driven design, Exhaust fan, capacity 800-900 CFM at 25-40mm WC static pressure consisting of - Punker- Germany Make impeller duly finished with chemical resistant super special coating Drive – 1 HP, 4 Pole, 3Ph. 415V, 50HZ., TEFC Class B insulation induction motor with IP 55 enclosure, in non-FLP const DOL Starter for Motor			
25 AAS Lab				
26	Wall Bench (WB-4) in Size: L 1500mm x W 750mm x H 750mm	1.00	No.	
	-Worktop in 18 mm thick Black Granite construction - 350 mm wide storage module with one drawer & one shutter - 500mm wide storage module with one drawer and one shutter - Leg Space with Foot Rest - Worktop mounted electrical raceway in G.I. Construction - 6/16 Amp Electrical Switch and Socket - MS 30x30 x 1.2mm Sq. Pipe for Granite Support - Filler Panel in G.I. Construction			
27	Laboratory Bar Stool	10.0	No.	
28 Balance Room				
29	Anti-Vibration Table (AVT) Size: L 900 x W 600 x H 900mm	1.00	No.	
	-Fabricated out of 1.2mm thick Galvanized Iron sheet, Structure in 50x50x2mm thick hollow pipe const. with epoxy powder coated			
30	Labor charges for dismantling of existing furniture & finishing work.	1.00	Lot	
31 Commercial offer for PP/FRP Ducting (Round Shape)				
32	Supply of exhaust ducting in PP/FRP (Round Shape) construction (3mm +2mm) complete with necessary bends, reducers, T-connections. Supports, flanges, gaskets, nut bolts etc.	40	Sq Mtr	
33	Installation Charges for PP/FRP Ducting	40	Sq Mtr	

Note: Amount for ducting work shall be payable as per actual measurement

Gross Total Cost: Rs.

We agree to execute the works in accordance with the approved drawings and technical specifications at percentage above/below the estimated rates, i.e., for a total contract price of Rs.(amount in figures) (Rs. amount in words).

Signature of Contractor

(Where there is a discrepancy between the amount in figures and words, the amount in words will prevail)

Format Work Evaluation

This is to inform that the works upto -----
stage (as defined in clause 3.1 of the Agreement) in respect of construction of -----
----- at ----- have been executed satisfactorily in
accordance with the terms and conditions of the agreement and as per approved drawings
and technical specifications.

Place:
Date:

Signature
Name & Designation
(Official address)

Office seal

PERFORMANCE BANK GUARANTEE
(To be given from a nationalized or scheduled bank in India)

To: _____ [name of Employer]
_____ [address of Employer]

WHEREAS _____ [name and address of Contractor] (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ [name of Contract and brief description of Works] (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of _____ [amount of guarantee]¹ _____ [in words], 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 and without cavil or argument, any sum or sums within the limits of _____ [amount of guarantee]¹ as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

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

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor 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 28 days from the date of expiry of the Defects Liability Period .i.e. 06 months from the handing over the site

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

Instructions for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link "**Online bidder Enrollment**" on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

- 1) Bidder should take into account any corrigendum published for the tender document before submitting their bids.



- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

- 1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- 5) **Bidders are requested to note that they should necessarily submit their financial bids in the BOQ xls. sheet uploaded with E-Tender and no other format is acceptable. Uploaded BOQ format should be downloaded by the bidders and unprotected cells should be filled with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should protect it with a password and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.**
- 6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key.



Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

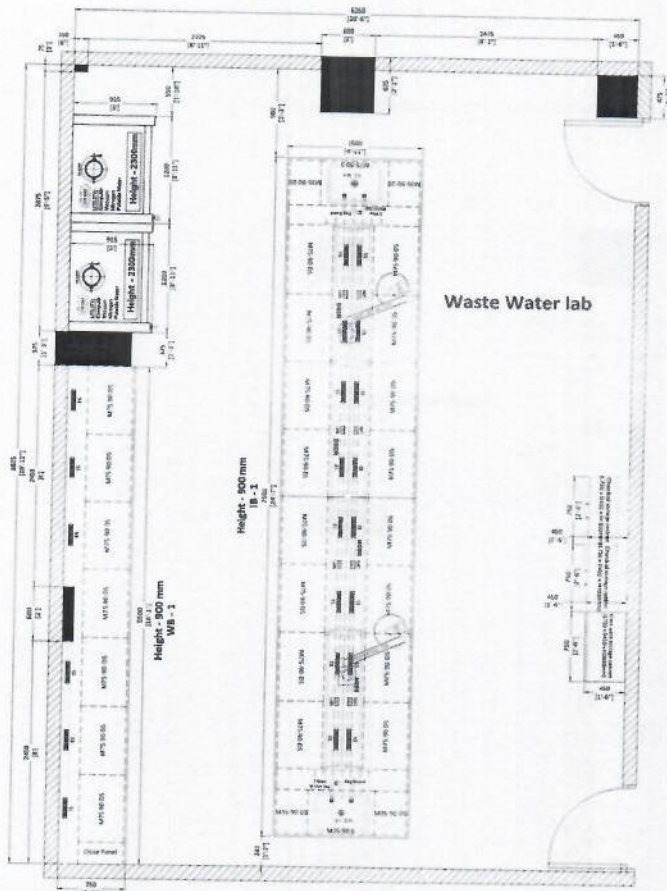
- 7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) Upon the successful and timely submission of bids (ie after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 9) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority Sh S.K. Gupta, Regional Director, CPCB, Regional Directorate, Lucknow upto 02.09.2019 on 0522-4087601 or cpcb.lucknow@gmail.com.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be contacted to CPP Portal Helpdesk nos.



Annexure I



Legend:

- IB : Island Bench
- DS : Data Socket
- ES : Electrical Socket
- ER : Electrical Raceway
- M35-75/90-DS : 350mm Module With One Shutter
- M75-75/90-DS : 750mm Module With One Drawer & Two Shutters

- Note :-**
- All Dimensions are in "mm"
 - Plinth Mounted System
 - Handle in Flush type
 - Worktop in 18 ±1 mm thick Black Granite Construction

Cabinet Details

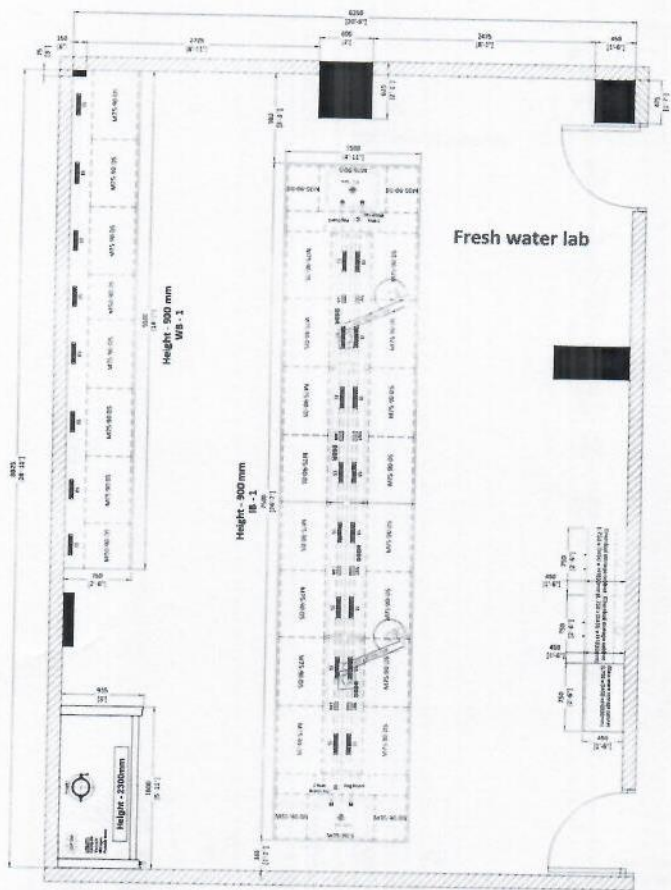
Nomenclature

Plinth Height of Storage Workbench Module (in cms.)

M50-75-DS

Width of Module (in cms.) Shutter

Drawer



Fresh water lab

Height - 500 mm
WB - 1

Height - 900 mm
IB - 1

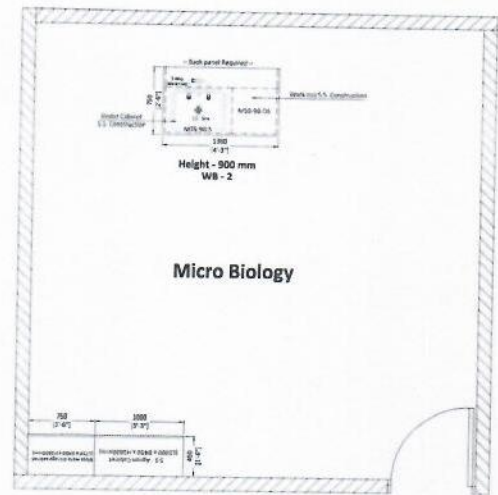
Height - 2300 mm

- Legend:**
- IB : Island Bench
 - DS : Data Socket
 - ES : Electrical Socket
 - ER : Electrical Raceway
 - M35-75/90-DS : 350mm Module With One Shutter
 - M75-75/90-DS : 750mm Module With One Drawer & Two Shutters

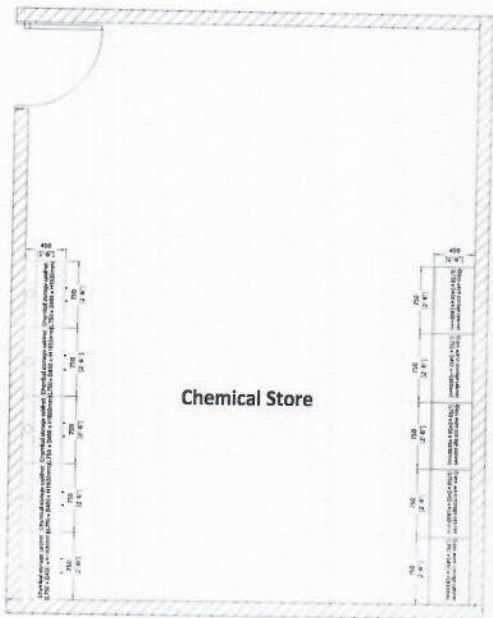
- Note :-**
- All Dimensions are in "mm"
 - Plinth Mounted System
 - Handle In Flush type
 - Worktop in 18 ±1 mm thick Black Granite Construction

Cabinet Details

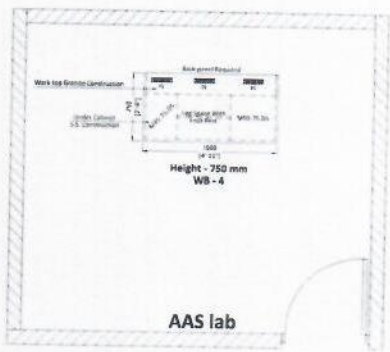
Nomenclature :
 Plinth Height Of Storage WorkBench Module (in cms.)
M50-75-DS
 Width of Module (in cms.)
 Shutter
 Drawer



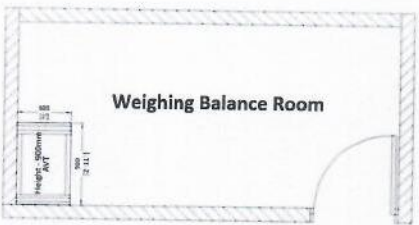
Micro Biology



Chemical Store



AAS lab



Weighing Balance Room

- Legend:**
- IB : Island Bench
 - DS : Data Socket
 - ES : Electrical Socket
 - ER : Electrical Raceway
 - M35-75/90-DS : 350mm Module With One Shutter
 - M75-75/90-DS : 750mm Module With One Drawer & Two Shutters

- Note :-**
- All Dimensions are in "mm"
 - Plinth Mounted System
 - Handle in Flush type
 - Worktop in 18 ± mm thick Black Granite Construction



Annexure II		
Technical specification of Constant Bypass type Bench Fume hood		
Type of hood: Constant Bypass type Bench Fume hood		
Overall Dimension: width 1800 x Depth 915 x Height 2300		
Inner Dimension: width 1600 x Depth 645 x Height 1200		
Sr. No.	Description	Qty (Nos.)
1.	Fume Hood Superstructure consisting of <ul style="list-style-type: none"> - Structure frame in 2.0 mm thick G.I. construction - Inner lining, rear baffles and top baffles in 6mm thick Phenolic resin construction - Outer panels in 1.2mm thick G.I construction - Aerodynamic Shape front posts in GI construction - Flip-on type Airfoil in 1.6mm thick SS construction - Combination type, Frameless design Sash in toughened glass Const. with full length sash handle in anodized Aluminum const. - Sash movement mechanism with counter weight. - LED type Light 	1
2.	Fume Hood Worktop In black natural granite construction, having raised rails on all four sides, with 1 No, oval shaped cup sink, in PP const. on left rear side	1
3.	Service Valves Having body in forged brass const. extended spindle in brass Construction, color coded knobs in plastic const. angular Shaped serrated nozzles, in epoxy coated forged brass const. 1.5 m long flexible tubing with end fittings for following services: Services <ul style="list-style-type: none"> - Tube Construction - Pu-4 - SS braided Teflon Hose - Pu-4 - Nylon braided PVC Hose 	1 1 1 1
4.	Electrical Services with internal wiring (all in Non-FLP const.) <ul style="list-style-type: none"> - On/Off (Touchpad) for Fan and Light - 16A. 3 Ph MCB for Fan - 16A 2 Pole Power Trip – Legrand or eq. Make - 6/16A 3-pin Socket with switch - Legrand or eq. Make 	1 1 1 4
5.	Fume hood understructure Fabricated out of heavy gauge rectangular shape hollow pipes In MS const. duly finished with corrosion resistant specialty coatings.	1
6.	Fume hood under-cabinet - Detachable design general purpose single cabinet fabricated GI sheet, consisting of, <ul style="list-style-type: none"> - Special arrangement for air ventilation Inside the cabinet - Twin doors in double wall const. - Flushed type recessed handle. - Heavy Duty knuckle Barrel door hinges. - 1 No. removable shelf - Recessed base frame in heavy duty GI const. - Twin castors for easy removal of the cabinet 	1
7.	Accessories	
A	300 mm dia. Duct damper in PP const. complete with pre drilled flanges on both sides, manual operation handle and extended spindle, suitable for motorized drive.	1
B	Scaffold Grill (1030 x 750mm) in Vertical rod design, fabricated out of 12.0 mm dia., Epoxy coated, having 150 mm pitch between two rods	1

Annexure III												
Technical specification of Constant Bypass type Bench Fume hood												
Type of hood: Constant Bypass type Bench Fume hood												
Overall Dimension: width 1200 x Depth 915 x Height 2300												
Innere Dimension: width 1000 x Depth 645 x Height 1200												
Sr. No.	Description	Qty (Nos.)										
1.	Fume Hood Superstructure consisting of <ul style="list-style-type: none"> - Structure frame in 2.0mm thick G.I. construction - Inner lining, rear baffles and top baffles in 6mm thick Phenolic resin construction - Outer panels in 1.2mm thick G.I construction - Aerodynamic Shape front posts in GI construction - Flip-on type Airfoil in 1.6mm thick SS construction - Streamlined shaped exhaust duct collar in PP const. - Combination type, Frameless design Sash in toughened glass Const. with full length sash handle in anodized Al const. - Sash movement mechanism with counter weight. - LED type Light 	1										
2.	Fume Hood Worktop In black natural granite constriction, having raised rails on all four sides, with 1 No, oval shaped cup sink, in PP const. on left rear side	1										
3.	Service Valves Having body in forged brass const. extended spindle in brass Construction, color coded knobs in plastic const. angular Shaped serrated nozzles, in epoxy coated forged brass const. 1.5m long flexible tubing with end fittings for following services: Services <table style="margin-left: 20px; border: none;"> <tr> <td>- Tube Construction</td> <td>1</td> </tr> <tr> <td>- Pu-4</td> <td>1</td> </tr> <tr> <td>- SS braided Teflon Hose</td> <td>1</td> </tr> <tr> <td>- Pu-4</td> <td>1</td> </tr> <tr> <td>- Nylon braided PVC Hose</td> <td>1</td> </tr> </table>	- Tube Construction	1	- Pu-4	1	- SS braided Teflon Hose	1	- Pu-4	1	- Nylon braided PVC Hose	1	
- Tube Construction	1											
- Pu-4	1											
- SS braided Teflon Hose	1											
- Pu-4	1											
- Nylon braided PVC Hose	1											
4.	Electrical Services with internal wiring (all in Non-FLP const.) <ul style="list-style-type: none"> - On/Off (Touchpad) for Fan and Light - 16A. 3 Ph MCB for Fan - 16A 2 Pole Power Trip – Legrand or eq. Make - 6/16A 3-pin Socket with switch - Legrand or eq. Make 	1 1 1 4										
5.	Fume hood understructure Fabricated out of heavy gauge rectangular shape hollow pipes In MS const. duly finished with corrosion resistant specialty coatings.	1										
6.	Fume hood under-cabinet - Detachable design general purpose single cabinet fabricated GI sheet, consisting of, <ul style="list-style-type: none"> - Special arrangement for air ventilation Inside the cabinet - Twin doors in double wall const. - Flushed type recessed handle. - Heavy Duty knuckle Barrel door hinges. - 1 No, removable shelf - Recessed base frame in heavy duty GI const. - Twin castors for easy removal of the cabinet 	1										
7.	Accessories											
A	300 mm dia. Duct damper in PP const. complete with pre drilled flanges on both sides, manual operation handle and extended spindle, suitable for motorized drive.	1										
B	Scaffold Grill (1030 x 750mm) in Vertical rod design, fabricated out of 12.0 mm dia., Epoxy coated, having 150 mm pitch between two rods	1										