

**HINDU COLLEGE, DELHI UNIVERSITY, NORTH CAMPUS, DELHI**  
**NOTICE INVITING TENDER**

**C/o Science Laboratories Furnishing, Hindu College, Delhi University, Delhi**

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Principal  
Hindu College

**NOTICE INVITING TENDERS**

**(NATIONAL COMPETITIVE BIDDING)**

1. Online bids are invited on two bid system for “Science Laboratories Furnishing, Hindu College, Delhi University, Delhi” Manual bids shall not be accepted.

2. Document Download: Tender documents may be downloaded from Hindu College web site <http://www.hinducollege.ac.in> and [www.du.ac.in](http://www.du.ac.in) (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app> the schedule as given in CRITICAL DATE SHEET as under.

**CRITICAL DATE SHEET**

Published Date	16.02.2019 (10.00AM)
Bid Document Download / Sale Start Date	16.02.2019 (10.00AM)
Bid Submission Start Date	16.02.2019 (10.00AM)
Bid Submission End Date	06.03.2019 (02.00PM)
Estimate Cost	Rs.90.00 Lakh
Tender Fee	Rs.1,000.00
EMD	Rs.1.00 Lakh
Completion Time	42 Days
Technical Bid Opening Date	07.03.2019 (2.30PM)
Financial Bid Opening Date	To be intimated later

**3. Bid Submission:**

Bidders are advised to visit this website regularly to keep themselves updated as any change/ modification in the tender will be intimated through this website only.

Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app> .

Tenderer/Contractor are advised to follow the instructions “Instructions To Bidder for Online Bid Submission” provided of bids and NIT for other conditions.- .

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

4. Not more than one tender shall be submitted by one contractor.

5. Tenderer who has downloaded the tender from the College website <http://www.hinducollege.ac.in> Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app>, **shall not tamper/modify the tender form including downloaded price bid template in any manner**. In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with Hindu College.

6. Intending tenderers are **advised to visit again** Hindu College website <http://www.hinducollege.ac.in>, [www.du.ac.in](http://www.du.ac.in) and **CPPP website** <https://eprocure.gov.in/eprocure/app> **regularly till closing date of submission** of tender for any corrigendum / addendum/ amendment.

**7. Applicant contractor must provide demand draft for Rs. 1000/- (Rupees One Thousand only )** to be purchased on or after publication date of this tender) **in favour of Principal Hindu College. The DD must be attached with their application/downloaded tenders as the cost of tender forms/ documents and should be submitted to the Principal, Hindu college. The all applicable bank charges shall be borne by the applicant and he shall not have any claim what so ever on this account on Government. In case of re- tendering, the firms which has submitted the DD in earlier calls will require to submit proof of RTGS/NEFT along with their tender/application in subsequent calls. Tender not accompanied with the cost of tender documents is liable to be rejected. However, public sectors undertaking / Govt undertaking firms are exempted from the payment towards cost of tender documents.**

**8. The EMD for Rs. 1,00,000/- ( Rupees One Lakh only) in the shape of RTGS/NEFT/Bank Draft or in any other forms as acceptable in CPWD manual, in favour of 'PRINCIPAL,HINDU COLLEGE' shall be deposited along with the Technical bid.**

#### **Tender Fee & EMD Payment:**

Earnest Money Deposit is to be deposited electronically by RTGS/NEFT/Bank drafts in the account of Principal, Hindu College at the below mentioned details. Bidders are required to submit the details of Tender fee and EMD payment at the time of Bid Preparation.

#### **BANK Details for Tender Fee and EMD Payment through RTGS/NEFT/Bank drafts:**

##### **The Principal, Hindu College**

Bank Name – State Bank of India, Hindu College University of Delhi.

IFSC Code – SBIN0010433

Account Number – 10851301244

9 The Hard Copy of original instruments **in respect of tender Fee, earnest money, must be delivered to the Principal, Hindu College** on or before bid opening date/time as mentioned in critical date sheet. **Tenderer shall likely to be liable for legal action for non-submission of original payment instrument like DD, etc., against the submitted bid. The Demand Draft attached/submitted for tender fee shall be non-refundable.**

10. Bids will be opened as per date/time as mentioned in the **Tender Critical Date Sheet**. After online opening of Technical-Bid the results of their qualification as well Price-Bid opening will be intimated latter.

### **Submission of Tender**

The tender shall be submitted online in **Two part, viz., technical bid and price bid.**

All the pages of bid being submitted must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.

The offers submitted by Telegram/Fax/email shall not be considered. No correspondence will be entertained in this matter.

### **Technical Bid**

The following documents are to be furnished by the Contractor along with **Technical Bid** as per the tender document:

- i) Signed and Scanned copy of **proof for payment of Tender document Cost (Tender Fee) and Earnest Money Deposit**
- ii) Signed and Scanned copy Certificates like Registration certificate, ESIC, PPF, GST.
- iii) Signed and Scanned copy of Proof of Turnover in last 3 years ( should not be less than 3.00 Cr)
- iv) Signed and Scanned Copy of **Tender Acceptance Letter (Annexure I) & Letter of authorization to submit bid (annexure II)**
- v) Signed and scanned copies of all affidavits and undertakings as per annexure III to VI.
- vi) Signed and Scanned Copy of **Technical data sheet.**
- vii) Should have experience of having worked for Govt. organizations , at least two projects
- viii) Should have experience in Space, Commercial Designing of at least 5 years.
- ix) Vendor should provide "C" Frame Laboratory Furniture as per specified in BOQ, has to be certified as "SEFA-10, 2016" compliant (which is World's Highest Standard Rating for Adaptable ('C' Frame type) Laboratory Furniture (Lab test report of SEFA Certified Lab should be attached with technical bid)
- x) "C Frame" has to be made on precision CNC Machines, including CNC Laser, resulting in high quality product.
- xi) Base metal used in "C Frame" has to be CRCA, procured from "TATA" and fabricated on all CNC machines.
- xii) Delivery time is 4-6 weeks after confirmation of order.

### **PRICE BID**

- (a) Schedule of price bid in the form of BOQ\_XXX.xls.

## CHECK LIST OF DOCUMENTS TO BE SUBMITTED.-TECHNICAL DATA SHEET

### BID CHECKLIST

Bidder is required to fill-up this checklist and enclose along with the envelope containing the Earnest Money.

Sl.	Item Description	Yes/No	Bid Reference
1.	Tender Fee Enclosed		
2.	Earnest Money Enclosed		
3.	Tender Acceptance Letter ( Annexure-I)		
4.	Letter of authorization to submit bid.(Annexure-IV)		
5.	An undertaking that the agency hasn't been blacklisted ( Annexure –V)		
6.	Annexure II,III and VI		

**HINDU COLLEGE, DELHI UNIVERSITY, NORTH CAMPUS, DELHI**

**NOTICE INVITING TENDER/ TENDER DOCUMENT**

Tenders are invited on behalf of the Principal HINDU COLLEGE from approved and eligible contractors of C.P.W.D. (and those of appropriate list of Department of Telecommunication, M.E.S., Railway, D.D.A., N.D.M.C., M.C.D., I and F Deptt. (Delhi), DJB & Delhi State P.W.D.) and Central /State Govt Departments/Corporations /Undertakings /Development Authorities etc for the work of:

**Name of work: Science Lab Furnishing, Hindu College, Delhi University, Delhi**

The enlistment of the contractors should be valid on the last date of submission of tenders.

In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.

- 1.1 The work is estimated to cost **Rs. 90.00 Lakhs +Applicable Taxes,** this estimate, however, is given merely as a rough guide.
- 1.2 Intending tenderer is eligible to submit the tender provided he has definite proof from the appropriate authority, which shall be to satisfaction of the competent authority, of having satisfactorily completed similar works.
- 1.3 To become eligible for tender, the tenderer shall have to furnish affidavit as Annexure III for not getting the work done through other agencies on back to back basis.
  - 1.3.1 Necessary EMD as defined at Sl. No. 1.6 shall be deposited. The receipt shall be scanned and uploaded.
  - 1.3.2 The Cost of tender Rs. 1000.00 shall be deposited and the receipt shall be scanned and uploaded.
- 1.4 Presentation of valid GST Registration as on date.
- 1.5 Verification of the documents in the office of PRINCIPAL in respect of lowest tenderer" L-I" shall be carried out after opening of financial tender i.e. The agency L-I shall bring all his originals and photocopies of the documents scanned and uploaded for tender in the office of PRINCIPAL on date and time intimated to him.
- 1.6 **The EMD for Rs. 1,00,000/- ( Rupees One Lakh only) in the shape of RTGS/NEFT/Bank Draft or in any other forms as acceptable in CPWD manual, in favour of 'PRINCIPAL,HINDU COLLEGE,DELHI' shall be deposited along with the Technical bid.**
- 1.7 The financial bid shall be opened in respect of agencies who are otherwise found eligible as per documents submitted by bidders in technical stage and EMD is submitted.

- 1.8 If any discrepancy or any short coming is found at later stage or L-I agency does not turn up for verification of originals and which renders tender of L-I Agency as invalid, the 50% of EMD amount shall be forfeited and the tenderer shall be debarred for re-tendering for period of 2 years at HINDU COLLEGE.
2. Agreement shall be drawn with the successful tenderer on prescribed standard form of HINDU COLLEGE, which is available with HINDU COLLEGE office. Tenderer shall quote his rates as per various terms and conditions of the said form & general specification and special condition, which will form part of the agreement.
3. The time allowed for carrying out the work will be 42 days after confirmation of order.
4. The contractor whose tender is accepted, the EMD amount will be retained by the college as Performance Guarantee till the end and will be returned only on completion of work.

**For & on behalf of PRINCIPAL, HINDU COLLEGE**

## SCHEDULE 'A'

Any deviations as may be ordered up to any limit as per the discretion of Principal, Hindu College. Principal, Hindu College has absolute right to reduce the scope of work and no compensation for such reduction of work in any form shall be payable to the contractor.

The Governing body of the College may stop the work at its discretion at any stage due to its own reasons. In this case Contractor shall have no claim for the works not executed.

C/o Science Laboratories Furnishing, Hindu College, Delhi University, Delhi Sub Head : Civil works

Estimated cost of : **Rs. 90.00 Lakhs +Applicable Taxes** , this estimate, however, is given merely as a rough guide.

i. Earnest money : **Rs. 1,00,000/-** earnest money will be retained as Bank Guarantee till the end of the work.

General Rules & Directions :-  
Officer inviting tender **Principal , Hindu College**

### Definitions :

2 (viii)	Accepting Authority	Principal , Hindu College
2 (xi)	Standard Schedule of Rates	Not applicable
2 (xii)	Department	HINDU COLLEGE



## **Schedule of Payment**

The Payment schedule will be decided after the discussion with successful vender.

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## **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 on 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 / XLS / RAR / DWF/JPG 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 format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells 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 save it 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.

- 8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 9) Upon the successful and timely submission of bids (i.e. 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.
- 10) 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 for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

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**Annexure I -TENDER ACCEPTANCE LETTER**  
(To be given on Company Letter Head)

Date:

To,

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**Sub: Acceptance of Terms & Conditions of Tender.**

Tender Reference No: \_\_\_\_\_

Name of Tender / Work: -

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Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

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as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. \_\_\_\_\_ to \_\_\_\_\_ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organization too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I/We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.

6. I/We certify that all information furnished by the our Firm 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 II**

**Affidavit**

I/We .....S/o.....resident of .....do hereby  
solemnly affirm and declare as under :-

- i) That I am sole proprietor/Partner/ authorized representative of the company/LLP of  
M/s..... at R/o.....
- ii) That no near relative of mine is an employee at Hindu College, Delhi University, Delhi.

Signature of Tenderer with stamp

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### Annexure III

#### Affidavit

I/We.....S/o.....R/o.....undertake and confirm that eligible similar work(s) has/have not been got executed through any other contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering for Hindu College in future forever. Also, if such a violation comes to the notice of Department before the issue of letter of acceptance whichever is earlier .the Principal shall be free to forfeit the entire amount of Earnest Money Deposit.

ii) In case of my tender is not accepted as per terms & condition of NIT and for any refund is made to me, the EMD amount may be refunded.

A. Name of agency:-

B. Bank, Branch code, Place details etc:-

Signature of Tenderer with stamp

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**Annexure IV**

**Affidavit**

I/We .....S/o.....resident of .....do hereby solemnly affirm and declare as under :-

- i) That I am sole proprietor/Partner/ authorized representative of the company/LLP of M/s..... at R/o.....
- ii) That upto date returns of GST department have been duly filed and no dues are pending of the GST deptt.
- iii) That this is my true and correct statement.

Signature of Tenderer with stamp

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**ANNEXURE V**  
**CONFIRMATION**

I/We confirm that the General Specifications and special conditions appended in the tender documents have been fully examined and full cognizance taken thereof in arriving at the item unit prices and total amount and tendered sums contained therein my/our tender. It is further certified that I/We have not been blacklisted/ debarred from tendering by any of the departments the registration of which is deemed valid in HINDU COLLEGE.

**Contractor**

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## Annexure VI

### Undertaking on Letter head of the Contractor

**C/o Science Lab Furnishing, Hindu College, Delhi University, Delhi**

**(A) Technical tender for the work of: C/ Science Lab Furnishing, Hindu College, Delhi University, Delhi**

#### **TENDER**

I/We have read and examined the notice inviting tender, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the PRINCIPAL, HINDU COLLEGE within the time specified in Schedule 'A', viz, schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions.

I/We have read and fully accept the special clause:-**Any deviations as may be ordered up to any limit as per the discretion of Principal, Hindu College. Principal, Hindu College has absolute right to reduce the scope of work and no compensation for such reduction of work in any form shall be payable to the contractor.**

**The Governing body of the College may stop the work at its discretion at any stage due to its own reasons. In this case Contractor shall have no claim for the works not executed.**

**EMD for Rs. 1,00,000/- ( Rupees One Lakh only) in the shape of Bank Draft/RTGS/NEFT of a scheduled Bank / (Mode of EMD to be specified) is being deposited as earnest money.** deposited, I/we agree that the said PRINCIPAL, HINDU COLLEGE or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely, further if I/we fail to commence the work as specified, I/we agree that PRINCIPAL, HINDU COLLEGE or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered up to any limit as per the discretion of Principal, Hindu College. We agree that the Principal, Hindu College has absolute right to reduce the scope of work and no compensation for such reduction of work in any form shall be payable to the contractor. Further, I/We agree that in case of forfeiture of earnest money as aforesaid. I/We shall be debarred for participation in the re-tendering doing process of the work.

I/we hereby declare that I/we shall treat the tender documents, drawings and other records

connected with the work as secret/confidential documents and shall not communicate information derived there-from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

**Dated :** .....

**Signature of Contractor**

**Postal Address**

**Witness :**.....

**Address :**.....

**Occupation :**.....

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Validate

Print

Help

Tender Inviting Authority: Principal, Hindu College Campus

Name of Work: Science Laboratories Furnishing, Hindu College, Delhi University, Delhi

Contract No: Ref. No. HC-1/9279

Name of the Bidder/  
Bidding Firm  
/ Company :

**PRICE SCHEDULE**

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1.01	<b>Physics Lab</b>					
1	C-Frame - Standing - Size L-700 x H-880 x D-30 mm, made of 60x30mm pipe of 2 mm thickness	31	No.		0.00	INR Zero Only
2	C-Frame - Standing - Size L-590 x H-880 x D-30 mm, made of 60x30mm pipe of 2 mm thickness	10	No.		0.00	INR Zero Only
3	Connecting Set of L-1500 mm for C Frame Structure	1	No.		0.00	INR Zero Only
4	Connecting Set of L-1200 mm for C Frame Structure	34	No.		0.00	INR Zero Only
5	Sink Storage Size-L-750xD-530xH-635 mm, 1 Shutter	1	No.		0.00	INR Zero Only
6	Storage Size-L-600xD-530xH-635 mm, 1 Drawer + 2 Shutters	25	No.		0.00	INR Zero Only
7	Sink Storage Size-L-600xD-530xH-635 mm, 1 Shutter	2	No.		0.00	INR Zero Only
8	Legspace-750 mm with Cross Base (Footrest) + BACK COVER PLATE	1	No.		0.00	INR Zero Only
9	Legspace - 600 mm with Cross Base (Footrest) + BACK COVER PLATE	41	No.		0.00	INR Zero Only
10	End Cover between frame & wall	4	No.		0.00	INR Zero Only
11	Island End cover between frames	4	No.		0.00	INR Zero Only

12	PP Drop in Sink, Polypropylene, Size L-560 x W-340 x D-245 mm	3	No.		0.00	INR Zero Only
13	Three Way Spout with Swivel Swan Neck	3	No.		0.00	INR Zero Only
14	Single Sided CRCA Electrical Raceway max L-2m, H-100 x D-85 mm Top Mounted	15	Mtr		0.00	INR Zero Only
15	Double Sided CRCA Electrical Raceway max L-2m, H-100 x D-160 mm Top Mounted (Triangular)	14	Mtr		0.00	INR Zero Only
16	Storage Size-L-900xD-340xH-650 mm, openable shutters with Glass	1	No.		0.00	INR Zero Only
17	Storage Size-L-750xD-340xH-650 mm, openable shutters with Glass	20	No.		0.00	INR Zero Only
18	Storage Size-L-600xD-340xH-650 mm, openable shutters with Glass	4	No.		0.00	INR Zero Only
19	Full Height Storage with Glass in Shutter, Size H-1980 x W-900 x D-480 with 4 shelves making 5 compartments, Snap-Shut Locking System	6	No.		0.00	INR Zero Only
20	Running Shelf below top of Depth 250mm	18.4	Mtr		0.00	INR Zero Only
21	Set of 5A - 1no. & 15A - 1no. Switches & Sockets with Face Plate (ANCHOR GREATWHITE / ROMA / NORISYS)	64	No.		0.00	INR Zero Only
22	Prepolished Black Granite 17±1 thick mm with Chamfered Corners	37	Sqm		0.00	INR Zero Only
23	Underneath Packing (For Granite, 6mmx30 mm NEOPRENE)	111	Rmt		0.00	INR Zero Only
24	Teacher's table of Size L-1200x D-600xH-750 mm with 1 storage unit and Granite Top (Structure made in CRCA)	1	No.		0.00	INR Zero Only
25	Store table of Size L-1500x D-750xH-750 mm with Side unit of Size L-900 x D-400 x H-750 mm and Granite Top (Structure made in CRCA)	1	No.		0.00	INR Zero Only
2.01	<b>Botany Lab</b>					
26	C-Frame - Standing - Size L-700 x H-880 x D-30 mm, made of 60x30mm pipe of 2 mm thickness	31	No.		0.00	INR Zero Only
27	C-Frame - Standing - Size L-590 x H-880 x D-30 mm, made of 60x30mm pipe of 2 mm thickness	10	No.		0.00	INR Zero Only
28	Connecting Set of L-1500 mm for C Frame Structure	1	No.		0.00	INR Zero Only
29	Connecting Set of L-1200 mm for C Frame Structure	34	No.		0.00	INR Zero Only
30	Sink Storage Size-L-750xD-530xH-635 mm, 1 Shutter	1	No.		0.00	INR Zero Only
31	Storage Size-L-600xD-530xH-635 mm, 1 Drawer + 2 Shutters	14	No.		0.00	INR Zero Only
32	Sink Storage Size-L-600xD-530xH-635 mm, 1 Shutter	10	No.		0.00	INR Zero Only

33	Legspace-750 mm with Cross Base (Footrest) + BACK COVER PLATE	1	No.		0.00	INR Zero Only
34	Legspace - 600 mm with Cross Base (Footrest) + BACK COVER PLATE	44	No.		0.00	INR Zero Only
35	End Cover between frame & wall	4	No.		0.00	INR Zero Only
36	Island End cover between frames	4	No.		0.00	INR Zero Only
37	PP Drop in Sink, Polypropylene, Size L-560 x W-340 x D-245 mm	11	No.		0.00	INR Zero Only
38	Three Way Spout with Swivel Swan Neck	11	No.		0.00	INR Zero Only
39	Single Sided CRCA Electrical Raceway max L-2m, H-100 x D-85 mm Top Mounted	10	Mtr		0.00	INR Zero Only
40	Storage Size-L-900xD-340xH-650 mm, openable shutters with Glass	1	No.		0.00	INR Zero Only
41	Storage Size-L-750xD-340xH-650 mm, openable shutters with Glass	20	No.		0.00	INR Zero Only
42	Storage Size-L-600xD-340xH-650 mm, openable shutters with Glass	4	No.		0.00	INR Zero Only
43	Full Height Storage with Glass in Shutter, Size H-1980 x W-900 x D-480 with 4 shelves making 5 compartments, Snap-Shut Locking System	6	No.		0.00	INR Zero Only
44	Regent Shelf 2 Tier, Size L-1200 x D-300 x H-650 mm	10	No.		0.00	INR Zero Only
45	Regent Shelf 2 Tier, Size L-1050 x D-300 x H-650 mm	1	No.		0.00	INR Zero Only
46	Regent Shelf 2 Tier, Size L-900 x D-150 x H-650 mm	2	No.		0.00	INR Zero Only
47	Set of 5A - 1no. & 15A - 1no. Switches & Sockets with Face Plate (ANCHOR GREATWHITE / ROMA / NORISYS)	37	No.		0.00	INR Zero Only
48	Prepolished Black Granite 17±1 thick mm with Chamfered Corners	37	Sqm		0.00	INR Zero Only
49	Underneath Packing (For Granite, 6mmx30 mm NEOPRENE)	111	Rmt		0.00	INR Zero Only
50	Teacher's table of Size L-1200x D-600xH-750 mm with 1 storage unit and Granite Top (Structure made in CRCA)	1	No.		0.00	INR Zero Only
51	Store table of Size L-1500x D-750xH-750 mm with Side unit of Size L-900 x D-400 x H-750 mm and Granite Top (Structure made in CRCA)	1	No.		0.00	INR Zero Only
3.01	<b>Zoology Lab</b>					
52	C-Frame - Standing - Size L-700 x H-880 x D-30 mm, made of 60x30mm pipe of 2 mm thickness	43	No.		0.00	INR Zero Only
53	Connecting Set of L-1500 mm for C Frame Structure	3	No.		0.00	INR Zero Only
54	Connecting Set of L-1200 mm for C Frame Structure	33	No.		0.00	INR Zero Only

55	Connecting Set of L-600 mm for C Frame Structure	1	No.		0.00	INR Zero Only
56	Storage Size-L-750xD-530xH-635 mm, 1 Drawer + 2 Shutters	3	No.		0.00	INR Zero Only
57	Sink Storage Size-L-750xD-530xH-635 mm, 1 Shutter	1	No.		0.00	INR Zero Only
58	Mobile Storage Size-L-600xD-530xH-635 mm, 2 Shutters, Adjustable Shelf, with Wheels	4	No.		0.00	INR Zero Only
59	Storage Size-L-600xD-530xH-635 mm, 1 Drawer + 2 Shutters	10	No.		0.00	INR Zero Only
60	Sink Storage Size-L-600xD-530xH-635 mm, 1 Shutter	6	No.		0.00	INR Zero Only
61	Legspace-750 mm with Cross Base (Footrest) + BACK COVER PLATE	2	No.		0.00	INR Zero Only
62	Legspace - 600 mm with Cross Base (Footrest) + BACK COVER PLATE	47	No.		0.00	INR Zero Only
63	End Cover between frame & wall	4	No.		0.00	INR Zero Only
64	Island End cover between frames	4	No.		0.00	INR Zero Only
65	PP Drop in Sink, Polypropylene, Size L-560 x W-340 x D-245 mm	7	No.		0.00	INR Zero Only
66	Three Way Spout with Swivel Swan Neck	7	No.		0.00	INR Zero Only
67	Single Sided CRCA Electrical Raceway max L-2m, H-100 x D-85 mm Top Mounted	17	Mtr		0.00	INR Zero Only
68	Storage Size-L-900xD-340xH-650 mm, openable shutters with Glass	1	No.		0.00	INR Zero Only
69	Storage Size-L-750xD-340xH-650 mm, openable shutters with Glass	20	No.		0.00	INR Zero Only
70	Storage Size-L-600xD-340xH-650 mm, openable shutters with Glass	4	No.		0.00	INR Zero Only
71	Full Height Storage with Glass in Shutter, Size H-1980 x W-900 x D-480 with 4 shelves making 5 compartments, Snap-Shut Locking System	6	No.		0.00	INR Zero Only
72	Regent Shelf 2 Tier, Size L-1200 x D-300 x H-650 mm	10	No.		0.00	INR Zero Only
73	Regent Shelf 2 Tier, Size L-1500 x D-300 x H-650 mm	1	No.		0.00	INR Zero Only
74	Regent Shelf 2 Tier, Size L-1050 x D-300 x H-650 mm	2	No.		0.00	INR Zero Only
75	Set of 5A - 1no. & 15A - 1no. Switches & Sockets with Face Plate (ANCHOR GREATWHITE / ROMA / NORISYS)	50	No.		0.00	INR Zero Only
76	Prepolished Black Granite 17±1 thick mm with Chamfered Corners	39	Sqm		0.00	INR Zero Only
77	Underneath Packing (For Granite, 6mmx30 mm NEOPRENE)	117	Rmt		0.00	INR Zero Only

78	Teacher's table of Size L-1200x D-600xH-750 mm with 1 storage unit and Granite Top (Structure made in CRCA)	1	No.		0.00	INR Zero Only
4.01	<b>Chemistry Lab</b>					
79	C-Frame - Standing - Size L-700 x H-880 x D-30 mm, made of 60x30mm pipe of 2 mm thickness	48	No.		0.00	INR Zero Only
80	Connecting Set of L-1500 mm for C Frame Structure	6	No.		0.00	INR Zero Only
81	Connecting Set of L-1200 mm for C Frame Structure	33	No.		0.00	INR Zero Only
82	Connecting Set of L-750 mm for C Frame Structure	1	No.		0.00	INR Zero Only
83	Connecting Set of L-850 mm for C Frame Structure	1	No.		0.00	INR Zero Only
84	Storage Size-L-600xD-530xH-635 mm, 1 Drawer + 2 Shutters	2	No.		0.00	INR Zero Only
85	Sink Storage Size-L-600xD-530xH-635 mm, 1 Shutter	24	No.		0.00	INR Zero Only
86	Corner Storage Size-L-850+850xD-530xH-635 mm, 1 Shutter	1	No.		0.00	INR Zero Only
87	Legspace-750 mm with Cross Base (Footrest) + BACK COVER PLATE	13	No.		0.00	INR Zero Only
88	Legspace - 600 mm with Cross Base (Footrest) + BACK COVER PLATE	40	No.		0.00	INR Zero Only
89	End Cover between frame & wall	2	No.		0.00	INR Zero Only
90	Island End cover between frames	4	No.		0.00	INR Zero Only
91	PP Drop in Sink, Polypropylene, Size L-560 x W-340 x D-245 mm	24	No.		0.00	INR Zero Only
92	Three Way Spout with Swivel Swan Neck	24	No.		0.00	INR Zero Only
93	Pegboard - Acrylic with 23 Pegs	20	No.		0.00	INR Zero Only
94	2-way Eye Wash	1	No.		0.00	INR Zero Only
95	Regent Shelf 2 Tier, Size L-1200 x D-300 x H-650 mm	10	No.		0.00	INR Zero Only
96	Storage Size-L-750xD-340xH-650 mm, openable shutters with Glass	7	No.		0.00	INR Zero Only
97	Set of 5A - 1no. & 15A - 1no. Switches & Sockets with Face Plate (ANCHOR GREATWHITE / ROMA / NORISYS)	20	No.		0.00	INR Zero Only
98	Prepolished Black Granite 17±1 thick mm with Chamfered Corners	42	Sqm		0.00	INR Zero Only
99	Underneath Packing (For Granite, 6mmx30 mm NEOPRENE)	126	Rmt		0.00	INR Zero Only
100	Teacher's table of Size L-1200x D-600xH-750 mm with 1 storage unit and Granite Top (Structure made in CRCA)	1	No.		0.00	INR Zero Only
101	Fume Hood - L-1500xD-840xH-2300 mm	2	No.		0.00	INR Zero Only



102	<p>Fume Hood (with base) Extra Heavy Structure made of 14 Gauge frame &amp; 18 Gauge CRCA body Over all Size L=1500mm, D=840mm, H=2300 mm consisting of following: Based on ASHRAE110:2016 AM</p> <p>Fume Hood Upper Unit Epoxy Polyester Powder Coated (over all size L=1500mm, D=840mm, H=1450mm with other facilities consisting of:-Fume Hood (Upper Unit) internal lining suitable for Acidic Fumes of Internal size:- L=1280mm, D=720mm, H=1220mm</p> <p>Baffle at the back with 3 point suction system (for light, normal &amp; heavy gases/ Fumes) for smooth exhaust of fumes.</p> <p>Sash-vertical sliding 5 - 6mm thick toughened glass 6/16 amps single phase 'Norasys make' socket with 16 amps MCB - 2 Nos. Respective internal wiring terminated at fume hood top at rear end for further connection by customer NO-NC switch for customer's blower starter.</p> <p>Light fixtures - LED Light - 1no Tube light switch - 1 no ELCB for Safety Purpose - 1no Jet black Granite: 17 + 1mm dished work surface with 12mm thick ply backing having provision to fix Drip cup.</p> <p>UTILITY SERVICES - Remote valves on front fascia and spout on the inside wall. (All utility line shall be terminated at rear side on top /bottom of fume hood for further connection by customer)</p> <p>Wet and Dry Service Utilities (as per DIN 12920 norms) Panel mounting valves for Water - 1no.</p> <p>Panel mounting valves for Gas &amp; Air - 1no each PP Drip cup - 1no Butter fly valve for initial exhaust manual setting - 1no Fume Hood Base L=1500mm, H=880mm (with inside Chemical resistance coating) with PP Tray and duct from Storage Cabinet.</p>					
103	Centrifugal Blower of 2 HP 1400 RPM, 600 to 1200 cfm, Moulded Propylene for 2	1	No.		0.00	INR Zero Only

	Nos. of Fume Hoods					
104	PP/FRP Ducting ( Will be as/site)	15	Sqmt		0.00	INR Zero Only
Total in Figures					0.00	INR Zero Only
Quoted Rate in Words						INR Zero Only

SCIENCE LABS

<b>SPECIFICATION &amp; MOC - "C" FRAME</b>		
<b>FURNITURE SPECIFICATIONS</b>		
1	Box Material of Construction	CRCA - Virgin Grade Body & Shelves - 0.9 mm thick Drawer & Shutter - 1 mm
2	C" Frame Structure	C' Frame is constructed using a 60 mm x 30 mm rectangular pipe of 2 mm thickness. The Frame should not have any front vertical legs, to provides a much orderly look. It should come with a leveler at the bottom, so that unevenness of any floor can be ironed out. Horizontal Connecting Rods should be removable and can be constructed in any width according to preference. Back Panels should removable and are used to cover the utility lines going on the back. should be easy to remove to approach the service area for maintenance. All made in CRCA - Virgin Grade - 60 x 30 mm Pipe Base with Leveller, Thickness 2 mm, with 2 mm thick Connecting Set
3	External Finish	Epoxy Polyester Powder Coated
4	Internal Finish	Epoxy Polyester Powder Coated
5	Counter Top	18mm (±2) thick Z-Black Granite
6	Door and Drawers	All the front door and drawer panels double wall sound deafening sandwiched type
7	Handles	Stainless Steel 304 - 'D' Type
8	Hinges	Hettich - Self Closing (Spring Loaded CED Coated)
9	Telescopic Channels	Hettich Roller Ball Slide Telescopic Channels
10	Lock	Multipurpose - Harrison

11	Electrical Switches & Sockets	ANCHOR GREATWHITE / ROMA / NORISYS
12	Sink	Polypropylene Sink - 5 mm thick, Size L-560 x W-355 x D-295 mm, BLACK COLOR
13	Tap- 3 Way	3-Way Brass Tap (Powder Coated Finish) with Swivel Swan Neck & 2 fixed bibs
14	Peg Board	Acrylic Pegboard 600 x 600 mm, (5 mm thick) with 23 nos. Polypropylene Pegs (Black Color)

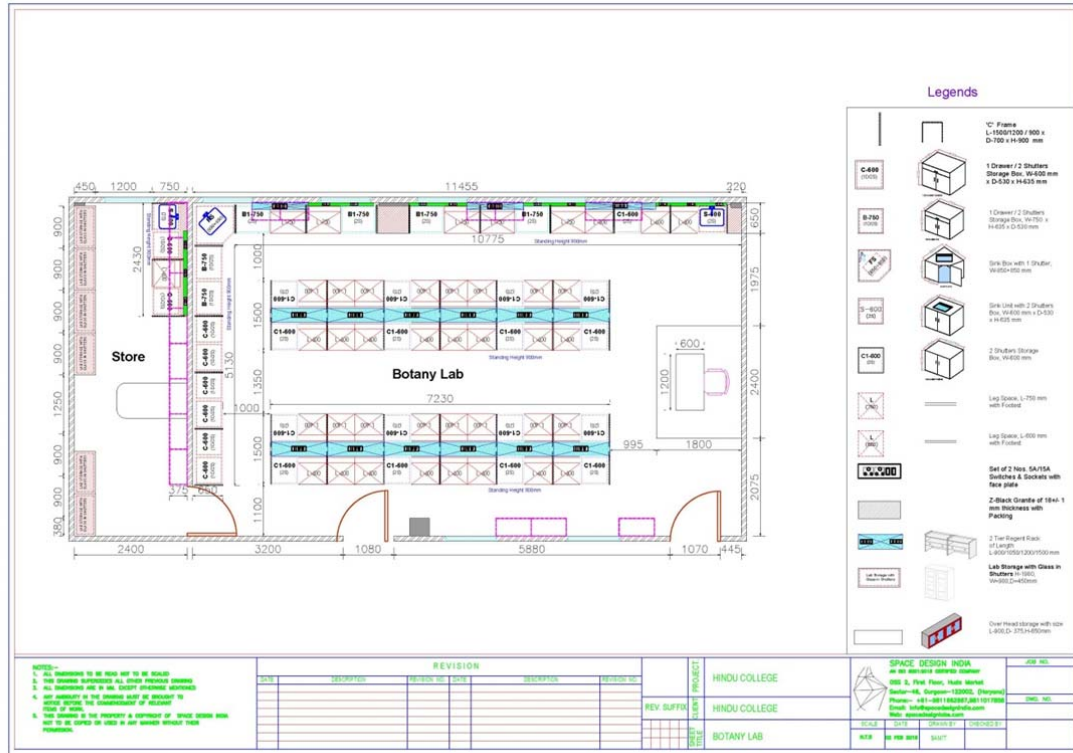
SCIENCE LABS

# LAB LAYOUT DRAWING

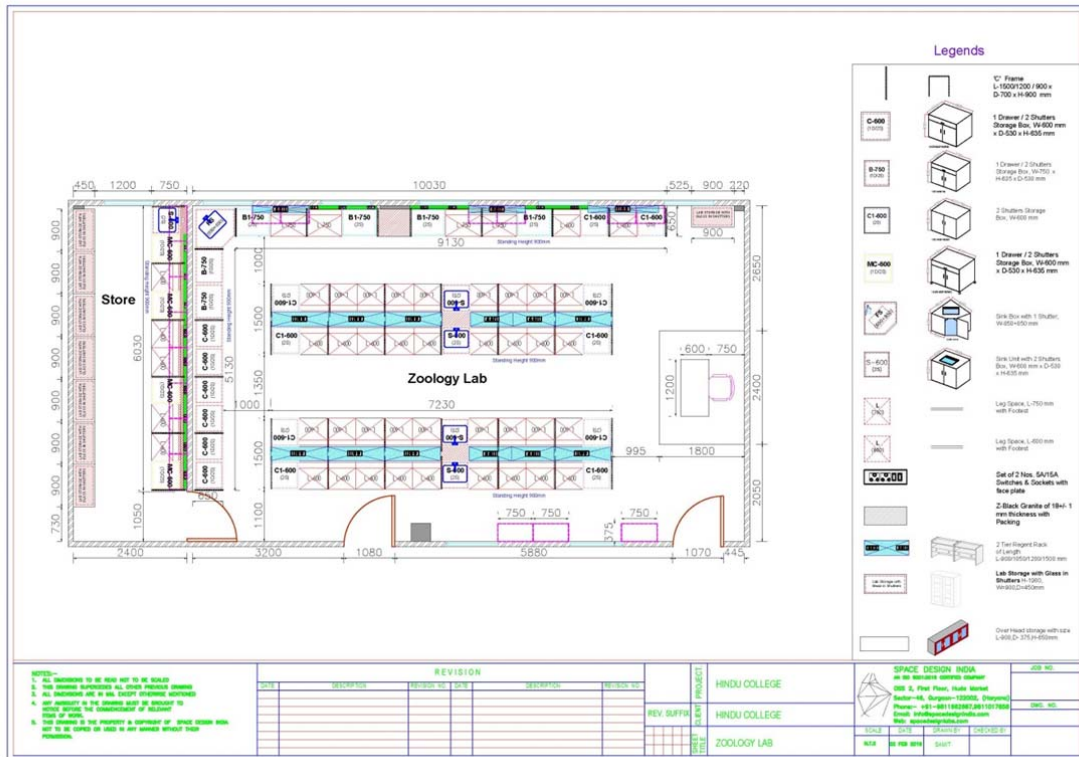
## 1) PHYSICS LAB LAYOUT



## 2) BOTANY LAB LAYOUT



### 3) ZOOLOGY LAB LAYOUT



SCALE

#### 4) CHEMISTRY LAB LAYOUT

