

TENDER DOCUMENT

Name of work: Providing & Fixing of lab furniture and aluminium wall partitions at Lab 008 at NIPGR Campus New Delhi.

CLIENT: DIRECTOR,
NIPGR NEW DELHI

COST OF TENDER DOCUMENT:- ₹ 500/-

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TENDER DOCUMENT

Name of work: Providing & Fixing of lab furniture and aluminium wall partitions at Lab 008 at NIPGR Campus New Delhi

Owner : Director, NIPGR, New Delhi

Tender Issued to : _____

**Place for submission/
Place opening of tender document:** NIPGR Campus,
Aruna Asaf Ali Marg,
New Delhi-110067

**Consultant Engineer
NIPGR**

Last date & time for sale of tender documents: 11.02.2019 before 1500 hrs.

Date & time of submission of tender documents: 12.02.2019 up to 1500 hrs.

Date & Time of Opening of Tenders: 13.02.2019 at 1500 hrs.

**Consultant Engineer
NIPGR**



TENDER FORM

To

**The Director
NIPGR Campus,
New Delhi.**

Dear Sir,

I/We have read and examined the following Tender Documents relating to - **Name of work: Providing & Fixing of lab furniture and aluminium wall partitions at Lab 008 at NIPGR Campus New Delhi.**

- Tender Notice
- General Conditions
- Instructions to Bidders
- General Information
- Memorandum
- Schedule of Quantities (not to be filled)
- General Conditions of Contract Agreement
- Special terms & conditions of contract.
- Instructions for On-line Bid Submission
- Technical Specifications
- Make List
- Terms & Conditions
- Drawings
- Annexure-I, II & III

I/We hereby offer to execute the work complete in all respects specified in the under written Memorandum within the time specified therein or during the allowed extended time at the rates specified in the bill of Quantities and in accordance, with the specifications, designs, drawings and instructions in writing referred to in the conditions of tender.

(Seal & Signature of Contractor)

NATIONAL INSTITUTE OF PLANT GENOME RESEARCH
(Department of Biotechnology, Ministry of Science and Technology, Govt. of India)
Aruna Asaf Ali Marg, New Delhi-110067
Phone: 011-26735161,26735138 Fax: 011-26741658

TENDER NOTICE
(Tender No. NIPGR/Engg./7/35/2018-19)

Online tenders (in two bid system) are invited on behalf of the Director, NIPGR, New Delhi from approved and eligible Contractors of CPWD/Central Govt/State Govt./ Govt. Autonomous Bodies, or professional agency for the following work:

Name of work: Providing & Fixing of lab furniture and aluminium wall partitions at Lab 008 at NIPGR Campus New Delhi.

Sl. No.	Estimated Cost (In ₹)	EMD (In ₹)	Time for Completion	Last date & time for sale of tender documents	Date & Time of submission of tender documents	Date & Time of Opening of Tenders
1.	2.	3.	4.	5.		6.
1.	₹ 21,80,000.00	₹ 43,600.00	45 days	11.02.2019 1500 Hrs.	12.02.2019 1500 hrs.	13.02.2019 1500 Hrs.

Tender document can be obtained up to 1500 Hrs. on all working days from NIPGR office on payment of ₹ 500.00 (₹ Five hundred only) in cash (Non-refundable) towards the cost of tender from 30.01.2019 to 12.02.2019 up to 1500 hrs. **Tender documents can also be downloaded on line free of cost from our website www.nipgr.ac.in and Govt. CPP Portal <https://eprocure.gov.in/cppp/>**

The earnest money shall be in the form of Demand Draft of a Scheduled Bank issued in favour of the **Director, NIPGR, New Delhi** so as to reach the undersigned latest by 12.02.2019 at 1500 hrs.

Tenderers registered with M.S.M.E. & N.S.I.C. in the above-mentioned service / activity are exempted from submission of E.M.D.

The bids will be accepted in respect of those contractors having successfully completed at least three similar works of each value not less than ₹ 8.72 Lacs **OR** two similar works of each value not less than ₹ 10.90 Lacs **OR** one similar work of value not less than ₹ 17.44 Lacs during the last five years ending 31st Dec. 2018. Similar works means "working experience of providing & fixing of lab furniture and aluminium wall partitions" in Government organizations, Govt. Autonomous organizations, **OR** other reputed organizations. Annual Turnover of last three years ending March 31st 2018 must be not less than 18.00 lacs for each financial year.

Intending tenderers must enclose self-attested copies of Completion Certificates and work orders of having completed the work satisfactorily issued by an appropriate competent authority.

It is mandatory for tenderer to submit complete tender document duly signed and stamped, along with technical bid.

The Director, NIPGR reserves the right to accept or reject all or any of the tender without assigning any reasons thereof.

Consultant Engineer
NIPGR

GENERAL CONDITIONS

1. Online tenders are hereby invited from qualified contractors for the work of: **Name of Work: Providing & Fixing of lab furniture and aluminium wall partitions at Lab 008 at NIPGR Campus New Delhi.**
2. The tender document consists of Tender form, Notice inviting tender, Instructions to bidders, General Information, General Conditions of contract Agreement, technical specification and Schedule /Bill of quantities etc. which can be had at a cost of ₹ 500.00 (₹ Five hundred only) in cash from 30.01.2019 to 12.02.2019 from the NIPGR office, Aruna Asaf Ali Marg, New Delhi. **Tender documents can also be downloaded from our website www.nipgr.ac.in free of cost.** The tender document is obligatory on the part of the tenderers & bid in no other form will be accepted.
3. The time allowed for the completion of work is **45 Days** to be reckoned from the 10th day after the date of written order to commence the work.
4. Every tender shall be accompanied by earnest money for ₹. 43,600.00.00 (₹. Forty three thousand six hundred only) in the form of demand draft drawn in favour of the Director, NIPGR ,payable at New Delhi. Any tender not accompanied by such earnest money will be rejected straight away.
5. The contractor will submit his tender after examining the tender documents, scope of work, specifications, clauses, additional terms of contract agreement, special terms & conditions, bill/Schedule of quantities, instructions to bidders, general information, and instruction for on-line bid, etc.
6. The tender rates shall remain valid for 90 days from the date of opening of Tender. The value of tender can be increased or decreased and any item can be added, deleted, withdrawn or substituted without any notice as per the requirements of without assigning any reason.
7. If a tenderer whose tender is accepted fails to undertake the work as per terms of the contract within 10 days to be reckoned from the date of issue of work order, the earnest Money deposited will be forfeited.
8. NIPGR does not bind itself to accept the lowest or any tender and reserves the right to reject any or all tenders without assigning any reason as well as for the transportation of samples.
9. NIPGR will not pay any expense, whatsoever incurred by tenderer for the preparation and submission of tenders as well as for the transportation of samples.
10. This notice inviting tender, will form part of the contract agreement to be executed by the successful tenderer.
11. The successful tenderer shall have to sign the contract agreement within 15 days of the allotment of work.
12. All the correspondence on the tender shall be addressed to the Director, NIPGR.
13. The uploaded documents / certificates shall be verified with originals after opening of Technical Bid.
14. The rates shall be valid for 90 days after opening of tender.
15. The rates shall be valid / available for 180 days after award of work.

Consultant Engineer
NIPGR

Seal & Signature of Contractor

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INSTRUCTIONS TO BIDDERS

1. GENERAL INSTRUCTIONS:

The works referred here-in shall cover the entire scope of the proposal which includes supplying and installation of material including the successful completion and the tests which the desires to get carried out. The "Owner" where appearing in these documents shall mean Director, NIPGR.

2. TENDERERS TO STUDY ENTIRE TENDER DOCUMENT CAREFULLY:

Submission of a tender by a tenderer implies that he has read all the stipulations contained in this tender document and has acquainted himself of the nature, scope and specifications of the works to be followed.

3. TENDERER TO SUBMIT THE ENTIRE TENDER DOCUMENT ON-LINE.

The tenderer shall submit all documents issued to him for the purpose of this tender after duly filling the same in all respects. Tenders which are found to be vague or incomplete shall be rejected summarily.

4. INSTRUCTION FOR FILLING THE TENDER.

Tenders shall be submitted ON-LINE, it shall be signed by one who has been authorized by the Board of Directors through a resolution. Copy of resolution and the authority letter in favour of the person signing must accompany the tender.

5. TENDERERS TO QUOTE FOR ALL ITEMS AND IN FIGURES:

The tenderer shall quote his rates in figures with reference to each item and must enter for all the items shown in the attached Bill of quantities. Incomplete offer shall be liable for rejection. The total amount shall be written both in figures and in words.

6. VALIDITY PERIOD OF OFFERS:

The rates quoted in the tender shall hold good for 90 days from the date of opening of the tender. The validity period of rate shall be valid / available for 180 days after award of work with the mutual consent of both the parties. No tenderer can withdraw/or modify his tender or revoke the same within the said period of 90 days. If a tenderer on his own withdraws or revokes the tender or revises or alters or modifies the tender for any item or condition within a period of aforesaid 90 days his earnest money deposit shall stand forfeited.

7. TENDERER TO SIGN ALL PAGES:

The tenderer shall stamp and sign at the bottom right hand corner of every page of the tender documents in token of acceptance of tender conditions and for the purpose of identification.

8. ERASURES AND ALTERATIONS:

Tenders containing erasures and alterations of the tender documents are liable to be rejected unless these are authenticated by the person signing the Tender Documents.

9. TENDERER TO SATISFY HIMSELF OF SITE CONDITIONS:

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tender regarding nature of the site conditions, the means of access of the site, the accommodation they may require and in general obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender in any manner. A tenderer shall be deemed to have full knowledge of the site, whether he inspects it or not and no compensation or otherwise of any charges incurred or to be incurred consequent on any misunderstanding or otherwise shall be admissible. The tenderer must sign & submit the certificate for site inspection Annexure-II.

9. SAMPLES

After award of work of the tender contractor shall arrange relevant samples at his own cost and deposit with Institute. These samples will be sealed by the NIPGR in the presence of the contractor, if he so desires and shall remain in the custody of the NIPGR for reference and comparison till the completion of work.

11. EARNEST MONEY:

The tenderer must deposit the earnest money ₹. 43,600.00.00 (₹. Forty three thousand six hundred only) in the form of Demand Draft only drawn in favour of the **Director, NIPGR, payable at New Delhi**. Earnest money of the unsuccessful bidder(s) shall be refunded after expiry of the validity period of the tenders/allotment of works whichever is earlier. In case of successful tenderer the earnest money shall be adjusted against performance security.

12. TENDER LIABLE TO REJECTION:

Tenders which do not fulfill all or any of the conditions laid down in this notice, or contain conditions not covered and / or not contemplated by the Conditions of contract and/or expressly prohibited therein or stipulate additional/alternative conditions shall be liable to be rejected and his earnest money will be forfeited.

Tenders shall also be liable for rejection on any of the following grounds :-

- i) Tenders submitted late
- ii) Tenders containing remarks uncalled for.
- iii) Conditional tenders
- iv) Tenders not submitted on-line on prescribed Performa.
- v) Telegraphic tenders.
- vi) Tender submitted without E.M.D.
- vii) Not submitted required documents as per tender.
- viii) Tenders with NIL consideration.

13. CORRESPONDENCE:

Tenderers must mention their postal address and telephone number(s) of the Chief Executive/authorized agent or attorney in the tender. The tender submitted by the tenderer will be rejected if he or his agent cannot be contacted on the last known address or on the intimated telephone number(s) after reasonable search in which event earnest money may be forfeited by the NIPGR.

14. NOT TO ASSIGN ANY REASON FOR REJECTION OF TENDER:

NIPGR hold absolute discretion to accept or reject the lowest or any other tender without assigning any reason. No claim on this account shall be entertained.

15. AMENDMENT IN TENDER DOCUMENTS:

NIPGR reserves the right to revise or amend the Bid Documents up to the date prior to the date notified for opening of the tenders and also the right to postpone the date of submission and opening of tenders without assigning any reason, whatsoever.

16. REFERENCE IN TENDER DOCUMENTS:

Director, NIPGR New Delhi shall be referred as "Owner" in all the documents of Tender documents/contract agreement.

Consultant Engineer
NIPGR

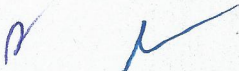
Seal & Signature of Contractor

GENERAL INFORMATION

- 1 Accepting Authority Director,
NIPGR, New Delhi.
- 2 Reference Book As per specifications
- 3 Earnest money ₹. 43,600.00.00 (₹. Forty three thousand six hundred only) to be furnished with the tender in the form of the demand draft (No interest is payable on Earnest Money and security deposit)
- 4 Security deposit The security deposit will be collected by deductions from the running bills of the contractors at the rate mentioned below and the earnest money, if deposited at the time of tender, will be treated as part of security deposit. Performance security may be accepted as Bank Guarantee/DD of Scheduled Banks and State Bank of India. A sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with the sum already deposited as earnest money, will reach to the extent of 5% of the tendered value of the work as security deposit. In addition, the contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as Performance Security within the period prescribed for commencement of work in the letter of award issued to him.
- 6 Authority competent to grant extension of time Director NIPGR or authorized person by Director, NIPGR
- 7 Tools & plants To be arranged by contractor
- 8 Schedule of Minimum wages As per notification issued by Govt. of NCT.
- 9 Authority competent to reduce the compensation amount Director, NIPGR
- 10 Defect Liability Period Twelve months from the date of acceptance of completion by the NIPGR.
- 11 Release of Security Deposit The performance security shall be refunded to the contractor on completion of the work and recording of completion certificate by Institute and the balance amount be released after defect liability period.
- 12 Authority Competent to Appoint Arbitrator Director, NIPGR.

Consultant Engineer

Seal & Signature of Contractor



MEMORANDUM

- a) Name of work **Providing & Fixing of lab furniture and aluminium wall partitions at Lab 008 at NIPGR Campus New Delhi.**
- b) Estimated cost **₹ 21,80,000.00 (Approx.)**
- c) Earnest money **₹. 43,600.00.00 (₹. Forty three thousand six hundred only) in the form of Demand Draft in favour of "Director, NIPGR payable at New Delhi. (No interest is payable on earnest money).**
- d) Time allowed for the completion of work (to be reckoned from 10TH day after the date of issue of written order to commence work) **45 Days**

Place
Date:

(Seal & Signature of Contractor)

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SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	AMOUNT
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Attached at pages _____ to _____

Should this tender be accepted, in whole or in part I/We hereby agree to abide by and fulfill all the terms & provisions of the conditions of tender as applicable or in default there of a sum of for ₹. 43,600.00.00 (₹. Forty three thousand six hundred only) deposited by me/us as earnest money in favour of Director, NIPGR , New Delhi., shall stand absolutely forfeited to NIPGR.

I/We agree:

- (i) that should I/We fail to commence the work specified in the above mentioned Memorandum the NIPGR without prejudice to any other right or remedy shall be at liberty to forfeit the earnest money. Otherwise the said earnest money shall be retained and adjusted towards security deposit mentioned in the above Memorandum
- (ii) to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

The names and postal addresses and contract phone nos. of our representative(s) authorized to deal with this tender are:

1)

2)

3)

Dated the _____ day of _____ 2018

Signature of Tenderer

Handwritten signature

Schedule of Quantity(PART-I)

Name of Work: Providing & Fixing of lab Furnitutre and Aluminium wall partitions at Lab008 at NIPGR Campus New Delhi

S. No.	Description	Qty.	Unit	Rate	Amount
Aluminium Partition Work					
1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections 2.5"x1.5" and 16 gauge and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings. (Glazing, paneling and dash fasteners included) : All complete as per direction of Institute.	1250	Sqft	NOT TO BE FILLED	
1a)	powder coating 50 micron): With toughened tinted glass panes of 5 mm thickness. The partition or door will be partly filled with ACP(aluminium composite panel) and glazing.				
Total Amount					
GST @ 18%					
Net Total Amount (PART-I)					
Consultant Engineer		Seal & Sign of Agency			

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Schedule of Quantity(PART-II)

Name of Work: Providing & Fixing of lab Furniture and Aluminium wall partitions at Lab008 at NIPGR Campus New Delhi

No.	Description	Qty.	Unit	Rate	Amount
1	Working Table I Shaped				
LC-MS	Fabrication, supply and Fixing of WORKING table to be fitted along the wall made in 'CRCA sheet, with Powder Coated Furniture, and required structure for table of Size length upto 14' (including 3' table movable on wheels), width 36" & 30" HT with 19MM +/- 2 jet Black Granite table top with anti-vibration arrangements, as per Drawing in color combination to be approved by Institute. The granite top will not more than 3 peices with well furnish joints. Leg space will be provided as required. The combination will as per enclosed design. i. e. 4 set of under table Module with one drawer on top, with two openable shutters below. There will be PVC shoes at the bottom without castor wheels ' Note: the corner will be dummy unit, with one shutter with dummy drawer on top. There will be a movable part within the total length of 17' table (3' X 3' ft) to be supplied by the equipment vendor. All hardware like handles, Tower bolts magnetic kature Hinges and locks etc. all complete as per enclosed specs & drawings and as per direction of Institute.	1	Set		
2	Working Table I Shaped				
C-MS and HPTLC	Fabrication, supply and Fixing of WORKING table to be fitted along with the wall made in 'CRCA sheet, with Powder Coated Furniture, and required structure for table of Size length upto 17', width 36" & 30" HT with 19MM +/- 2 jet Black Granite table top, Drawing in color combination to be approved by Institute. The granite top will not more than 3 peices with well furnish joints. Leg space will be provided as required. The combination will as per our design. i. e. 4 set of under table Module with one drawer on top, with two open able shutters below. There will be PVC shoes at the bottom without castor wheels ' Note: the corner will be dummy unit, with one shutter with dummy drawer on top. All hardware like handles, Tower bolts magnetic kature Hinges and locks etc. all complete as per enclosed specs & drawings and as per direction of Institute.	2	Set		
	Electrical Race way				
	Providing and fixing of curve type (4" - 3") electrical raceway MOC CRCA sheet for electrical point length upto 17' on the table back Including cuttings of race way for switch & socket and fixing the same with respect all complete as per enclosed specs & drawings and as per direction of Institute. (Payment of switch & socket shall be made separately)	3	Set		
	Storage Cabinet				
	Storage Cabinet made in CRCA sheet with powder coated, size will be L 750 x W 900 x D 450 MM" and cabinet having Two shelves for keeping solvents & desired materials. all complete as per enclosed specs & drawings and as per direction of Institute.	3	Nos.		
3	Working Table I Shaped				
UPLC	Fabrication, supply and Fixing of WORKING table to be fitted along the wall made in 'CRCA sheet, with Powder Coated Furniture, of Sizelength upto 18', width 36" & 30" HT with 19MM +/- 2 jet Black Granite table top, Drawing in color combination to be approved by Institute. The granite top will not more than 3 peices with well furnish joints. Leg space will be provided as required. The combination will as per our design. i. e. 4 set of under table Module with one drawer on top, with two open able shutters below. There will be PVC shoes at the bottom without castor wheels ' Note: the corner will be dummy unit, with one shutter with dummy drawer on top. There will be a movable part within the total lenght of 18' table (3' X 3' ft) to be supplied by the equipment vendor. All hardware like handles, Tower bolts magnetic kature Hinges and locks etc. all complete as per enclosed specs and as per direction of Institute.	1	Set		
	Electrical Race way				
	Providing and fixing of curve type (4" - 3") electrical raceway MOC CRCA sheet for electrical point length upto 15' on the table back Including cuttings of race way for switch & socket and fixing the same with respect all complete as per direction of Insttue. (Payment of switch & socket shall be made separately)	1	Set		
	Electrical Race way				

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No.	Description	Qty.	Unit	Rate	Amount
	Providing and fixing of curve type (4"- 3") electrical raceway MOC CRCA sheet for electrical point length upto 17' on the table back Including cuttings of race way for switch & socket and fixing the same with respect all complete as per direction of Institue.(Payment of switch & socket shall be made separately)	1	Set		
4	Working Table I Shaped				
	Fabrication,supply and Fixing of WORKING table to be fitted 2' distance along the wall made in 'CRCA sheet,with Powder Coated Furniture, of Size 15' L x 36" W 'x 30" HT with 19MM +/-2 jet Black Granite table top , as per design/Drawing in color combination to be approved by Institute. The grenite top will not more than 3 peices with well furnish joints. leg space will be provided as required. The combination will as per our design. i. e. 4 set under table Module with one drawer on top, with two open able shutters below . The Table will be as per the drawings. There will be PVC shoes at the bottom without castor wheels 'Kindly Note: the corner will be dummy unit, with one shutter with dummy drawer on top.	1	Set		
5	Side Instrument table				
	Providing of SIDE INSTRUMENT TABLE to be fitted along the wall made in 'CRCA sheet, with Powder Coated Furniture, of Size 5" L x 28" W 'x 30" HT with 19MM +/-2 jet Black Granite table top , as per our design/ catalog/Drawing in color combination to be approved by 'you. leg space will be provided as required. The combination will as per our design. i. e. 4 set of Module with one drawer on top, with two open able shutters below . The Table will be as per the drawings. There will be PVC shoes at the bottom without castor wheels . All hardware like handles, Tower bolts magnetic kature Hinges and locks etc. all complete as per enclosed specs & drawings and as per direction of Institute.	1	Set		
	Electrical Race way				
	Providing and fixing of curve type (4"- 3") electrical raceway MOC CRCA sheet for electrical point length upto 15' on the table back, Including cuttings of race way for switch & socket and fixing the same with respect all complete as per direction of Institue.(Payment of switch & socket shall be made separately)	1	Set		
6	Working Table I Shaped				
CP-MS	Fabrication,supply and Fixing of WORKING table to be fitted 2' distance along the wall made in 'CRCA sheet,with Powder Coated Furniture, of Size 21' L x 36" W 'x 30" HT with 19MM +/-2 jet Black Granite table top , as per our design/ catalog/Drawing in color combination to be approved by Institute. The grenite top will not more than 3 peices with well furnish joints.leg space will be provided as required. The combination will as per our design. i. e. 4 set of under table Module with one drawer on top, with two open able shutters below . The Table will be as per the drawings. There will be PVC shoes at the bottom without castor wheels 'Kindly Note: the corner will be dummy unit, with one shutter with dummy drawer on top. There will be a movable part within the table (3' X 3' ft) to be supplied by the equipment vendor.	1	Set		
7	Working Table I Shaped				
-evapora	Fabrication,supply and Fixing of WORKING table to be fitted 2' along the wall made in 'CRCA sheet,with Powder Coated Furniture, of Size 10.5' L x 36" W 'x 30" HT with 19MM +/-2 jet Black Granite table top , as per our design/ catalog/Drawing in color combination to be approved by Institue. leg space will be provided as required. The combination will as per our design. i. e. 4 set of under table Module with one drawer on top, with two open able shutters below . There will be PVC shoes at the bottom without castor wheels 'Kindly Note: the corner will be dummy unit, with one shutter with dummy drawer on top.All hardware like handles, Tower bolts magnetic kature Hinges and locks etc. all complete as per enclosed specs & drawings and as per direction of Institue.	1	Set		
	Electrical Race way				
	Providing and fixing of curve type (4"- 3") electrical raceway MOC CRCA sheet for electrical point length upto 15' on the table back, Including cuttings for sockets.	1	Set		
	Electrical Race way				

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S. No.	Description	Qty.	Unit	Rate	Amount
	Providing and fixing of curve type (4" - 3") electrical raceway MOC CRCA sheet for electrical point length upto 21' on the table back, including cuttings of race way for switch & socket and fixing the same with respect all complete as per direction of Institute. (Payment of switch & socket shall be made separately)	1	Set		
8	Sink & Tap				
	Providing of Sink table to be fitted along the wall made in 'CRCA sheet, with Powder Coated Furniture, of Size 5" L x 28" W 'x 30" HT Consist of under bench modules with 1No. Drawer on top & with 2Nos. cabinet shutters below the drawer Sink cabinet with PP Sink (22" X 14" X 10"H) with Bottle trap and extension piece for drain outlet-1 No & with 19MM +/-2 jet Black Granite top of sink table along the wall . Storage cabinets panes fitted with lock, handles etc including all hardware arrangements and support structure of frames, cabinets/shelves to be made of powder coated cold rolled steel sheets in approved colour and thickness including one way heavy duty water tap powder coated with acrylic handles as per norms. as per enclosed specification & drawings and design complete in all respect as per instruction of Engineer-in-charge.	1	Nos.		
	Lab Safet & Eye Wash Shower				
9	Supply & Fixing of Laboratory safety and Eye wash shower unit of over Head ht. of 7ft with SS safety shower with eye wash For safety showers, the shower head must be capable of flowing 20 gallons per minute (gpm) at 30 psi and producing a 20-inch diameter spray pattern at 60 inches above the surface where the user stands. The center of the sprayhead pattern should be at least 16 inches from any wall, door, or obstruction. It is recommended that the shower head be mounted between 82 and 96 inches off the floor, with the valve no higher than 69 inches. water connection to be taken from nearest water supply point and drainage to be connected with nearest drainage point all complete as per direction of Institute.	1	Nos.		
10	Supplying and fixing suitable size GI/PVC box with modular plate and cover in front on surface or in recess/raceway, including providing and fixing 6 pin 5/6 & 15/16 A universal modular socket outlet and 15/16 A modular switch etc. as required.	120	Each		
11	Supply and Installation of CAT 6 information outlets complying fully or exceeding with category 6 connecting hardware specification for all pairs combination upto 250Mz .Outlets shall be lead frame technology complete as per direction of Engineer-in-charge.	5	Nos.		
				Total Amount	
				GST @ 18%	
				Net Total Amount (PART II)	
				Grand Total Amount(PART I+PARTII)	
(In words Rs.-----)					
Consultant Engineer			Seal & Sign of Agency		

NOT TO BE REFILED

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GENERAL CONDITIONS OF CONTRACT AGREEMENT

1. SECURITY DEPOSIT

The person/persons whose tender may be accepted (herein after called the contractor) shall permit Consultant Engineer at the time of making any payment to him for works done under the contract to deduct such sum as will amount to 10 % of all moneys so payable to be held by the Institute, by way of security deposit. Earnest money shall also be adjustable towards this security deposit. All compensation or other sums of money payable by the contractor to Consultant Engineer under terms of this contract may be deducted from his security deposit or from any account what so ever, and in the event of his security deposit being reduced by reason of any such deduction, the contractor shall within 10 days thereafter make good in cash any sum or sums which may have been deducted from his security deposit or any part thereof.

2. COMPENSATION CLAUSE

The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor, and shall be reckoned from the 10th day of the date on which the order to commence the work is given to the contractor, and within ten days of award of work to the contractor. The work on the contract shall be executed according to the approved drawings as aforesaid and shall throughout the stipulated period of the contract be proceeded with all due diligence (time being deemed to be the essence of the contract on the part of the contractor) and the contractor shall pay as compensation an amount equal to one percent per week of work order amount as, may decide on the value of work as per contract. Provided always that the entire amount of compensation to be paid under the provisions of this clause shall not exceed ten percent of the awarded cost of work as shown in the tender. The Director, NIPGR on a representation from the Agency, is however; empowered to reduce the amount of compensation and his decision in writing shall be final.

3. TIME EXTENSION

3.1 If the contractor shall desire an extension of the time limit for completion of the work on the grounds of his having been unavoidably hindered in its execution or on any other ground he shall apply in writing to the Consultant Engineer, NIPGR within 15 days of the date of the hindrance on account of which he desires such extensions as aforesaid but before the expiry of time limit and the Consultant Engineer, if in his opinion(which shall be final)reasonable grounds as shown thereof, authorized such extension of time if any, as may, in his opinion be necessary or proper.

4. COMPLETION OF WORK

4.1 Without prejudice to the rights of Consultant Engineer under any clause hereinafter contained on completion of the work, the contractor shall be furnished with a certificate by the Consultant Engineer or his representative of such completion, but no such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work has been executed, all scaffolding, surplus materials and rubbish, and cleaning off the dirt from all doors, walls, floors, or any other parts of buildings said to have been completed, and the measurements in the said certificate shall be binding and conclusive against the contractor, if the contractor shall fail to comply with the requirements of this clause as to the removal of scaffolding, surplus materials, and rubbish and cleaning off dirt on or before the date fixed for the completion of the work, Consultant Engineer, NIPGR may at the expense of the contractor have removed such scaffolding, surplus materials and rubbish and dispose of the same as he thinks fit and clean off such dirt as aforesaid and the contractor shall forth with pay the amount of all expenses so incurred, and shall have no claim in respect of any such scaffolding or surplus materials as aforesaid except for any such sale proceeds actually realized by the sale thereof.

5. ADDITIONS/ALTERATIONS/ DEVIATIONS

5.1 The Consultant Engineer, NIPGR shall have power to make any alterations or omissions or additions or substitutions in the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and the contractor shall be bound to carry out the work in accordance with any instructions which may be given to him in writing signed by the Consultant Engineer and such alterations, additions or substitutions shall not

invalidate the contract and any altered, additional or substituted work which the contractor may be directed to carry out in the manner above specified as part of the work shall be carried out by the contractor on same conditions in all respects on which he agreed to do the main work. The time for the completion of the work shall be extended in the proportion that the altered additional or substituted work has to the main work at the sole discretion of the Consultant Engineer, NIPGR and his decision in this regard shall be final and binding on the contractor.

All tenderers are required to quote as per specifications stipulated hereunder. Rates for all items shall be quoted as specified hereunder. After the award of the contract, the work shall be carried out as per approved samples / drawings. For dimensional changes + - 1 inches, should they occur during approval stage, there shall not be any rate difference. If the dimensional changes are more than the above limit, modified rates shall be worked out derived from the quoted contract rates.

Rates for extra/substituted items, should they become necessary during the execution of the work shall be settled on analysis of rate to be submitted by the contractor for such items.

Quantities in the B.O.Q. or estimated quantities which can vary up to $\pm 50\%$ during the execution of the work. Payment shall be made as per actual quantum executed without any change in the contracted rate due to variation in quantity, if any.

6. CARRYING OUT OF WORK

All the work shall be carried out in accordance strictly as per the specifications given in the tender to the total satisfaction of the NIPGR. In the case of an item for which specification are not available in the said specifications relevant BIS specifications applicable as on the date of tenders shall be followed.

7. QUALITY CONTROL OF MATERIAL

7.1 If it shall appear to the Engineer or the Director, NIPGR that any work has been executed with unsound, imperfect, or unskillful workmanship or with materials or articles provided by him for the execution of the work are unsound, or of a quality inferior to that contracted for or otherwise not in accordance with contract, the contractor shall on demand in writing from the Engineer specifying the work materials or articles complained of not with standing that the same may have been inadvertently passed, certified and paid for forthwith rectify, or remove & reconstruct the work so specified in whole or in part, as the case may require, or as the case may remove the materials or articles so specified and provide other proper and suitable material or articles at his own charge and cost and in the event of his failing to do so within a period to be specified by Engineer, NIPGR in his demand as aforesaid then the contractor shall be liable to pay compensation at the rate of 1% on the contract agreement of work for everyday till rectify or remove, and re-execute the work or replace with other, materials or articles complained of as the case may be at the risk and expense in all respects of the contractor.

8. INSPECTION OF WORK

8.1 All work under or in course of execution or executed in pursuance of the contract shall at all times be open to the inspection and supervision of Engineer, NIPGR or his subordinate in-charge of the work and the contractor shall at all times, during the usual working hours and at all other times at which reasonable notice of the intention of the Engineer to visit the works shall have been given to the contractor, either himself be present to receive order and instructions or have a responsible agent duly accredited in writing present for that purpose. Orders given to the contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.

8.2 The contractor shall give not less than 5 days notice in writing to Engineer, NIPGR of the work before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and correct dimensions there of be taken before the same is so covered up or placed beyond the reach of measurement and any work without the consent in writing of Engineer, NIPGR or placed beyond the reach of measurement without such notice having been given to or consent obtained, the same shall be uncovered at the contractor's expense or in default thereof, no payment or allowance shall be made for such work of the materials with which the same was executed.

8.3 The work during its progress shall be inspected by the consultants Engineer or Engineer-in-charge on behalf of NIPGR and the contractor shall extend all co-operation to the engineers inspecting the work.

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9. CONTRACTOR'S RISKS

All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the contract other than the excepted risks are the responsibility of the contractor.

10. CONTRACTOR TO BE LIABLE FOR ALL TAXES ETC.

The rates specified in the tender shall be inclusive of all taxes or any taxes, GST, toll customs, fees, octroi, royalty, etc. in respect of the contract and the rates shall be firm irrespective of any variation in the prevailing rates of taxes, levies, octroi, etc. and any fresh imposition of any of these by State/Central/Statutory bodies. The contractor shall indemnify the Director against levy of any taxes etc., in regard to this contract and in the even of the Director being assessed for any of the said imports, Director shall have the right to recover the total amount so assessed from the contractor's dues and the contractor shall also be responsible for all costs or expenses that may be incurred by Director in connection with any proceedings or limitation in respect of the same.

**Consultant Engineer
NIPGR**

Seal & Signature of Contractor

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SPECIAL TERMS AND CONDITIONS OF CONTRACT

1. SPECIFICATIONS:

If specifications for an item of work are not covered as per approved Specifications of tender, the same shall be decided by the NIPGR and shall be binding on the contractor.

The Director shall have the power to insist upon the contractor to purchase and use such materials of approved make which may in his opinion be necessary for proper and reasonable compliance with the specifications and execution of work.

2. CONTRACTOR TO BE LIABLE FOR ALL TAXES ETC. - The rates specified in the tender shall be inclusive of GST, toll, Customs fees, octroi, royalty etc. or any other taxes. However if any fresh taxes are imposed by State/Central/Statutory bodies during the currency of contract, the same shall be borne by NIPGR..

3. FORCE MAJEURE:

The right of the contractor to proceed with the work shall not be terminated because of any delay in the completion of the work due to unforeseeable causes beyond the control and without the fault or negligence of the contractor, including not limited to acts of God, or of the public enemy, restraints of a sovereign state, firms, floods, unusually severe weather.

4. JURISDICTION:

Not with standing any other courts having jurisdiction to decide the questions forming subject matter of a suit any and all actions and proceedings arising out of or relative to this contract (including any arbitration in terms thereof) shall lie only in the court of competent Civil jurisdiction in this behalf at New Delhi., where this contract is to be signed on behalf of NIPGR and only the said court shall have jurisdiction to try any such actions and/or proceedings to the exclusion of all other courts.

5. SITE WORKING RULES AND REGULATIONS:

a) The contractor shall furnish Consultant Engineer, NIPGR the Power of Attorney name and signature of his authorized representative who will be in-charge of the execution of the works at site. The contractor shall also furnish the list of technically qualified persons employed by him for execution of the works. Daily reports of number of men employed by crafts and weekly reports of progress achieved, expected date of completion of the works and any actual or potential delays stating the reasons thereof shall be furnished by the contractor.

b) Save as otherwise specifically provided in this Agreement the rates and prices herein, unless otherwise stipulated elsewhere in this Agreement, include all the costs, expenses and outlays of the contractor for executing the works and fulfilling all the obligations of the Contractor under this agreement.

6. Scope of work

The scope of work is as per schedule of Bill/quantity. All aspects of design, manufacture, supply, Installation including site alignment of lab furniture & aluminium partition, etc., all complete.

Electric supply and water, if any, required for installation and testing of the furniture/service system shall be provided by the Institute from one point.

7. CONTRACTOR'S RESPONSIBILITY FOR THE MANNER OF EXECUTION OF WORKS

The contractor shall be solely responsible for the manner and the method of executing the work. The work shall be subject to the approval of Consultant Engineer from time to time for purposes of determination of the question whether the work is executed by the contractor in accordance with the contract.

8. NO WORK SHALL BE UNDERTAKEN WITHOUT APPROVED WORKING DRAWINGS:

No work shall be undertaken at site by the contractor until detailed approved working drawings marked "Good" for execution/construction is issued by the Consultant Engineer in writing. Any work done without the aforesaid working drawing shall be at the contractor's own risk and costs.

9. TIME LIMIT :The entire work is required to be completed within 45 days after the date of award of contract.

J. SUBMISSION OF BILLS:

Contractor is to submit the bills and record of measurements in triplicate on approved Performa of the Consultant Engineer or his representative for works executed by him. The Bill shall be submitted after completion of work. Payment may be released after completion of work.

11. TERMS OF PAYMENT

The entire furniture supplied under this contract shall be guaranteed by the contractor to give Zero defect and trouble free usage for minimum one year after the date of completion of this contract, during this period, any defect in an by component of the job deemed by NIPGR to be on account of bad workmanship or use of sub-standard materials shall be replaced/rectified to the entire satisfaction of NIPGR by the contractor at his cost. 5% of the contract value shall be retained by NIPGR during the guarantee period as security deposit for this purpose. The security can be in the form of deduction from the payment due to the contractor during performance guarantee period i.e. one year after the date of completion if no defect as above are noticed during the period or if noticed they are attended to satisfactorily by the contractor.

12. ACTION AND COMPENSATION PAYABLE IN CASE OF BAD WORK:

If it shall appear to Consultant Engineer, NIPGR or our representatives, that any work has been executed with unsound, imperfect or unskillful workmanship or with materials of any inferior description or that any materials or articles provided by him for the execution of the work are unsound or of a quality inferior to the contracted for, or otherwise not in accordance with the contract and provide other and suitable materials or articles so specified at his own cost and in the event of his failing to do so within a period to be specified by the Consultant Engineer in his demand aforesaid, **then the contractor shall be liable to pay compensation at the rate of one percent on the amount of the estimate** for every day not exceeding ten days while his failure to do so that continue and in the case of any such failure Consultant Engineer, NIPGR may rectify or remove, and re-execute the work or remove and replace with other materials or articles complained of, as the case may be at risk and expenses in all respects of the contractor.

1. The works shall be inspected by our Consultant Engineers & Consultants. The contractor shall extend full co-operation and render all necessary facilities for inspection of the work to the inspecting authority without any additional cost to Consultant Engineer, NIPGR. It must be noted that any observations/ comments/ recommendations of the said Technical consultants shall be binding on the contractor.

2. It shall always prevail, unless otherwise specifically stated, that the entire provisions of Tender document been opened upon and accepted for compliance by the contractor without any reservation.

Consultant Engineer
NIPGR

Seal & Signature of Contractor

(Handwritten marks)

Instructions for Online Bid Submission

1. The tender documents are available on our website www.nipgr.ac.in & www.eprocure.gov.in and same can be downloaded.
2. Tender documents may be downloaded from ITPO's website www.nipgr.ac.in and CPPP site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in the tender document.
3. Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>. Tenderers/Contractors are advised to follow the instructions provided in the 'Instructions to the Contractors/Tenderer for the esubmission of the bids online through the Central Public Procurement Portal for eProcurement at <https://eprocure.gov.in/eprocure/app>'. 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 or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.
5. The bidders are advised to visit CPPP website <https://eprocure.gov.in/eprocure/app> at least 3 days prior to closing date of submission of tender for any corrigendum / addendum/ amendment.
6. Bids will be opened as per date/time as mentioned in the **Tender Document**. After online opening and evaluation of technical bids, the results of their qualification as well Price-Bid opening will be intimated.

Submission of Tender

The tender shall be submitted online in two parts, viz., Technical bid and Financial bid.

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

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

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 Enrolment**" 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.
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- 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/ Nic 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

Bidder should take into account any corrigendum published on the tender document before submitting their bids.

- 1) 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.
- 2) 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.
- 3) 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, GST Certificate 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.
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- 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 before bid opening date/time as mentioned in critical date sheet 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 opener's 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.

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. The contact number for the helpdesk is 1800 3070 2232, 91-7878007972 and 91-7878007973.

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Technical Specifications:

Materials Specifications

Proposals are invited from alternate manufacturers only if they comply with the minimum design requirements and the minimum performance requirements. A notarized letter stating full compliance must be included alternate proposals signed by an independent testing laboratory recognized by ASTM E 548 to ensure compliance.

Work Surface Supports

- Work surface frames are 12 – gauge SWG cold-rolled steel tubing.
- Cabinet support channels are 12 – gauge SWG cold-rolled steel for bottom support or high support plat.
- Work surface frames shall be in single frame widths up to 36”.
- Colour finishing with a special powder coating which has excellent chemical and abrasion resistant characteristics (Be sure to request actual samples of stains before ordering).

Facing Inserts

- Facing inserts are 20 SWG cold-rolled sheet steel.
- Facing inserts shall incorporate mechanical fasteners that are stainless steel and concealed.
- Facing inserts shall be removable.

Support Structure

- 8” wide support cores are 14-SWG cold-rolled steel. Cross members are welded for structural integrity using the latest in inert technology.
- Support cores shall be available in varying widths from 36” – 72”.
- Service area : Minimum 6” between uprights and tie rails for service installation.
- Floor clamps: Work station to be required three rawl bolts for concrete floor anchorage.
- Core shall be capable of having removable uprights and reagent storage & shelves.
- Core shall be capable of having reagent shelves and upright added after installation.

Cabinets / Shelves

- Cold rolled steel shells for lower and upper storage are constructed of a combination of 18 and 20 gauge cold-rolled steel; support rails are 16-gauge cold-rolled steel; drawer suspensions, hinges and gussets are 14 gauge cold-rolled or stainless steel. Drawer suspensions, hinges and gussets are 14 gauge powder coated cold-rolled or stainless steel. Drawer suspensions shall support 150 lbs. (heavy duty) and 100 lbs. (standard duty) in the dynamic position. Five knuckle hinges shall support 00lbs. in the fully extended position.
- Powder coat cabinet shelves and optional shelf lips are 18 gauge cold-rolled steel; outer shelf end support brackets are 11 gauge cold-rolled steel.
- Powder coat shelves for upper storage cabinets are 18 gauge cold-rolled steel; mounting hooks are 16 gauge cold-rolled steel.

Service Bridge

- Service Bridge shall serve as a service chase (carrier body) for all cabling, plumbing, electrical conduit, light fixtures and localized exhaust ductwork.
- Modular units shall be suitable for floor-mounted cabinets and freestanding cores.
- Modular carrier bodies can be ganged side-to-side in a continuous run. Carrier bodies shall be supplied with a splice joint assembly.

- Carrier body shall incorporate an integral 14 gauge internal support member that electrical/data junction boxes and service outlets shall be mounted internally.
- Equipped with easy to remove entry covers for ease of utility access, visual inspection and utility shut-offs.
- Carrier underside shall be configurable to accommodate electrical outlets, service fixtures, data / voice outlets, localized exhaust units and task lighting.
- Carrier bodies shall incorporate T5HQ down task lighting and task light valance to prevent light shining directly into the operator's eyes.
- Service Bridge shall act as a support structure for top mounted wall cases and / or shelving units.
- Vertical bridge support shall act as an umbilical to feed all cabling, plumbing, electrical conduit, light fixtures.
- Service Bridge shall have the option to be factory pre-piped and pre-plumbed. All electrical components shall be UL listed and service fixtures approved by the standards established by ANSI, AGA and SEFA.
- Service Bridge shall be available in widths in single widths from 48" to 108". Split widths shall be available from 120" to 168" Maximum free span shall be 168".

System Performance Requirements

Structural performance requirements: Systems components shall withstand the following minimum loads without damage to the component or to the casework operation:

- Work surfaces support by frame: 500 lbs. maximum per frame: 1000 lbs. total per module.
- Wall cases: 100 lbs. per shelf up to 200 lbs. maximum per unit.
- Hanging wall cases: 200 lbs.
- Exterior shelves: 12" deep at 130 lbs. 18" deep at 100 lbs. Maximum 3 shelves per side of module.
- Suspended base units: 300 lbs. per unit.
- Drawers in a cabinet: 150 lbs.
- Utility tables (4 legged): 600 lbs. (with levelers).
- Service Bridge: 100 lbs. per linear foot. Maximum span of 168".
- Total live load per module: 2000 lbs both sides, 1000 lbs. single side.

Metal Finish

Colored metal surfaces are finished in electronically applied medium-gloss urethane powder coat. All frame and structural components construction and performance characteristics shall be in full compliance with SEFA 8 standards.

Finish Compliance

- Salt Spray – 200 and 300 hours – no effect.
- Humidity Resistance – 1000 hours with saturated humidity at 100 degrees – with no effect.
- Hot-Water Resistance – in a five minute test, no effect from boiling water poured from a vessel onto a facing insert oriented for 45 degrees at planer mode – with no effect.
- Constant Moisture – no effect from water-saturated cellulose sponge applied for 100 hours.
- Paint Adhesion – no loss of adhesion under application of cross-hatch scribe tests (100 squares, 1-5mm) pulled with tape.
- Hardness – Resists scratching from drafting leads of minimum hardness grade of 4H.

Quality Assurance

1. Recycled Steel Content for Laboratory Casework

All steel used in the product fabrication shall comply with the LEED II (Leadership in Emergency and Environmental Design) Green Building Rating System. The manufacturer must submit documentation (i.e. "Source of Materials", Invoices, Third Party Validation, etc.) for steel purchased for this project providing recycled content. Such documentation shall be submitted to the Owner Representative / Architect for approval – prior to award of contract.

- A. **Sheet Steel:** All "Cold Rolled" sheet steel used in the fabrication of laboratory cabinets, fume hoods and modular laboratory systems shall have a minimal of 20% recycled steel content.

2. Finish for Steel Laboratory Products

All steel laboratory products shall utilize a dry powder coat paint process by means of electrostatic spray, providing high-transfer efficiency low waste generation. Any liquid-applied coatings **shall not** be acceptable. Manufacturer shall supply documentation that waste generated during the painting process is a solid non-hazardous material.

- A. **Chemically Resistant Finish:** Only high quality resistant dry powder coating finishes, that pass the SEFA-8 casework specifications for chemical and durability resistance, will be acceptable. A letter from a third party validator, verifying independent test results, shall be submitted to the Owner Representative / Architect for approval – at the time of bid submittal.
- B. **Operator Protection:** The application is convenient and easily mastered through robotic application plus manual detailing. The painting process is cleanly contained and has no solvent odor and is performed in an air-conditioned room.
- C. **Over-spray Powder Paint:** Shall be captured and re-sprayed. Efficiency shall be 99% effective in coating usage, reducing waste generation. A closed collection system shall be utilized for Over-spray that is not reused. Powder Over-spray, which cannot escape the facility, is collected in bulk eliminating the need for daily replacement / disposal of filter media.
- D.
- E. **VOC Emissions:** Powder paint shall be sprayed and baked with a near zero (.29 pounds per gallon maximum) VOC (Volatile Organic Compounds) emissions.
- F.
- G. **Off-gasing:** After all steel powder coated parts have cooled from the curing ovens – the coating shall be firm and stable. **No further emissions** or "Off-gasing / Decomposition" vapors shall occur at room temperature.

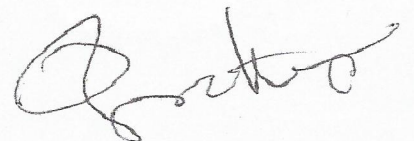
3. Laboratory Emergency Eye Wash Shower Unit.

Features:

1. Universal Mount for Standard and Gooseneck Faucets.
2. Chrome plated brass pipe and fittings for a bright, mirror finish
3. Made of metal chrome-plated brass pipe and fittings for a bright, mirror finish
4. Universal Identification Sign and Inspection Tag Included
5. Exceeds minimum water flow of 0.4 GPM at 30 PSI
Includes adapters: 55/64" x 27" thread (female), 13/16" x 27" (male), 15/16" x 27" thread (male)
6. Complies with ANSI Standard Z358.1-2009

Specifications:

1. Material: Metal
2. Dimension/Size: 64"
3. Color: Blue, Yellow, Grey, Green or Any shade of Client Choice



MAKE LIST		
S/N	DESCRIPTION	APPROVED MAKES
1	Laboratory Fittings	Water Saver / Broen
2	Laboratory Sinks	Water Saver / Broen / Alloyplas
3	Electrical Sockets	Northwest / Legrand / MK
4	Data & Voice Sockets	Northwest / Legrand/ MK
5	Eyewash / Shower	Water Saver / Broen/Haws Co.
6	Partition Glass	Saint Gobin/Modi Guard
7	Make of ACP Sheet	Aludecor/ALSTRONG/ARMSTRONG
8	Aluminium	Jindal/Mahaveer/Hindalco

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TERMS & CONDITIONS

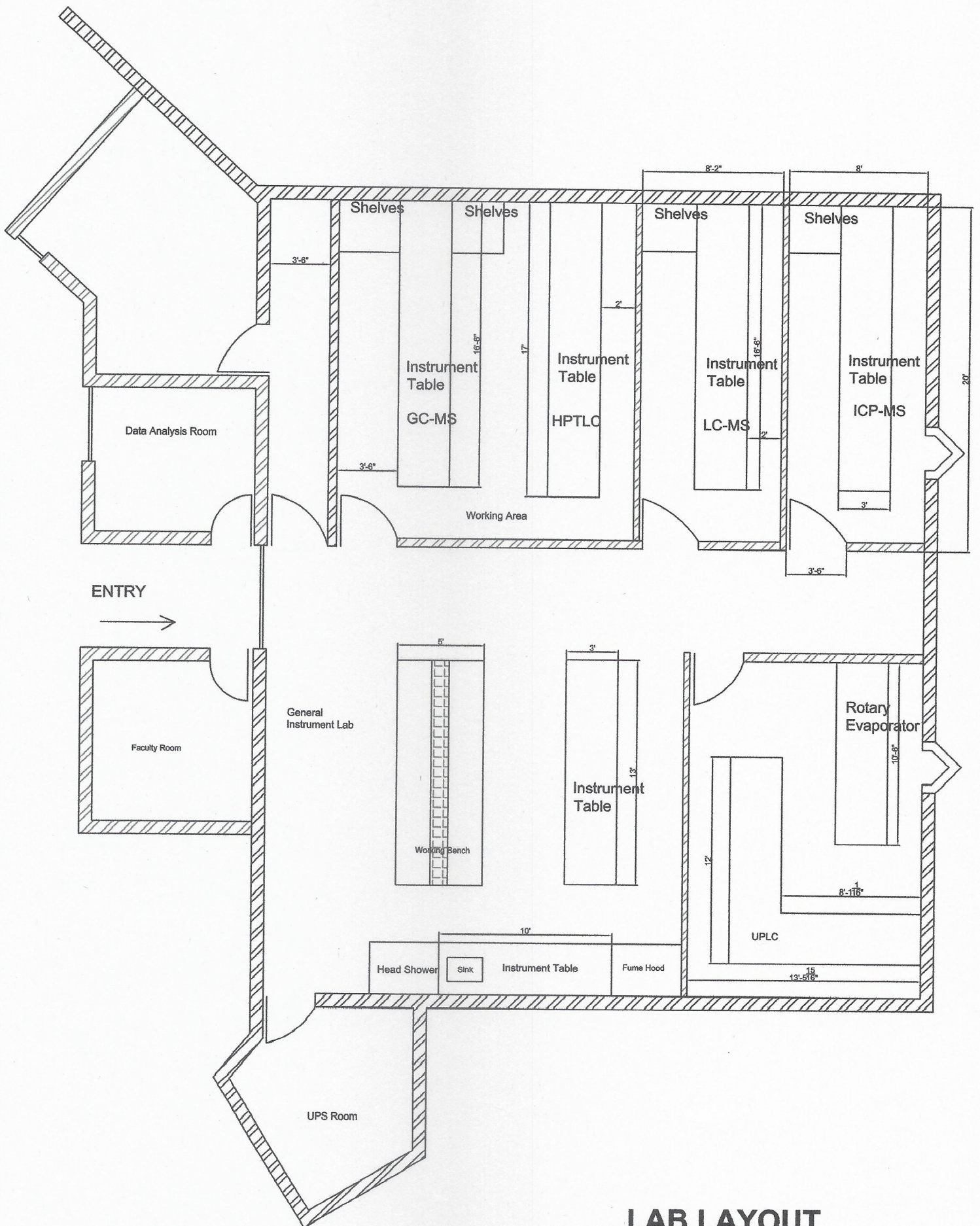
Name of Work: Providing & Fixing of lab Furniture and Aluminium wall partitions at Lab 008 at NIPGR Campus New Delhi

1. The site of work is at NIPGR Campus, Aruna Asaf Ali Marg New Delhi-110067.
2. The contractor should visit the site and make him acquainted with the topography of the site. The Department shall entertain no extra claim later on. A certificate of site visit as per Annexure-II must sign as enclosed.
3. The contractor shall make his own arrangement for the security of material at site.
4. The contractor shall arrange all T&P, Scaffoldings as required and nothing extra will be paid.
5. The contractor must get the prior approval of materials from the Engineer- In -Charge.
6. The rates shall be inclusive of Transportation, loading, unloading and handling charges of material, nothing extra will be paid.
7. The rates shall be inclusive of all taxes including GST.
8. The contractor shall follow all labour laws as prevailing in Delhi.
9. All works shall be carried out as per BOQ/Specs/CPWD Specifications and to satisfaction of the Institute.
10. The Institute reserves the right to reject / accept any or all tenders without assigning any reason.
11. In case of any dispute, the decision of the Institute shall be final & binding on the contractor.
12. Any work not carried out as per instruction of the Engineer-in-charge shall be removed and re-painted by the contractor without any extra cost.
13. The work shall be completed in all respects within **45 days after** the date of issue of work order.
14. Agency must have experience of execution for Lab Furniture & Aluminium wall partition in Govt. organizations/other reputed organizations Institutes/Universities etc.
15. The Contractor shall be responsible for any damages and site clearance and nothing extra will be paid. In case the site clearance and damages which are not attended, a recovery amounting to Rs.25,000/- shall be made.
16. **Security deposit @ 5%** shall be deducted from the bill and same shall be refunded after the completion of defect liability period of **One Year**. In case of violation of any condition of tender documents\work order, the security deposit/bank Guarantee will be forfeited\revoked\enchased.
17. All papers attached with this tender should be signed & returned in original.
18. The rates quoted shall remain valid for a period of 180 days, No tender can withdraw\or modify his tender or revoke the same within the same period. If a tenderer on his own withdrawn\or revokes the tender for any item or condition within the period mentioned in the tender notice his earnest money deposit shall stand forfeited. Notwithstanding foregoing, the Institute reverses the right to take other action as deemed appropriate.
19. The payment will be released after deduction of Taxes as per rules in force.

**Consultant
Engineer, NIPGR**

Seal & Signature of Contractor





LAB LAYOUT

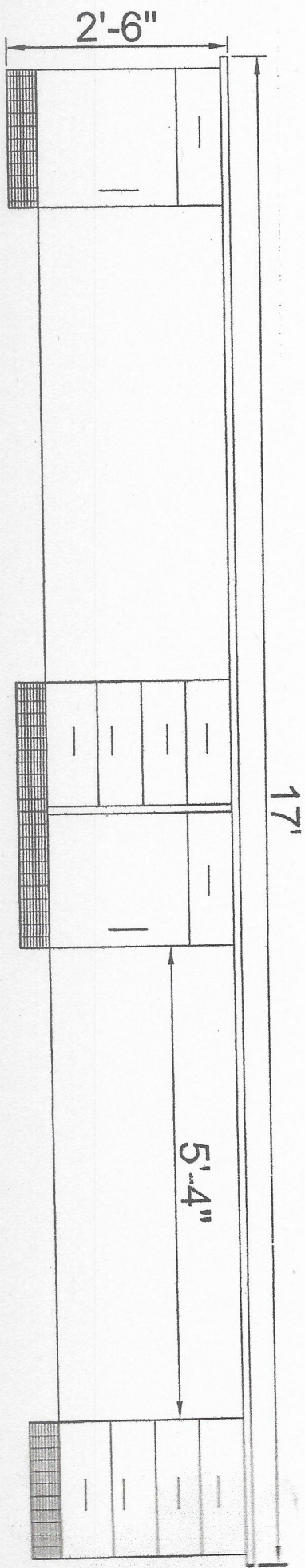


TABLE ELEVATION

Handwritten signature or initials

(Undertaking on a Non-Judicial Stamp Paper worth Rs. 100/- duly notarized)

I / We (bidder) hereby give an undertaking that:

- a) I/We have not been blacklisted / debarred / on holiday list during last three years by any Govt. Department/Govt. Autonomous Body/Institution, etc.;
- b) I/We do not have any dispute with any of the Govt. Departments/Govt. Autonomous Bodies/Institutions, etc.;
- c) I/We have never been certified as 'Unsatisfactory Performer' for the said services provided to the Govt. Departments/Govt. Autonomous Bodies/Institutions;
- d) I/We have not submitted any fake/forged certificates/documents and later, if any such 'Certificates/Documents' found to be fake/forged or contains willful wrong/incorrect information, suitable legal action may be initiated against me/us/agency besides 'forfeiture of Earnest Money Deposit' and 'Blacklisting' etc.
- e) I/We shall not withdraw my/our bid after opening of Technical Bid and if done so, the NIPGR shall be authorized to forfeit the EMD submitted by me/us.

Seal and Signature of the Authorized
Person of the Agency

Name and designation of the
Authorized Person of the Agency

Place:

Date:

**‘CERTIFICATE FOR SITE INSPECTION’
Pre-qualification criteria of NIT**

Certificate that we have visited the site on and assessed the nature and amount of work involved before submitting our offer. We will be able to complete the works within the stipulated time and also that we will be able to execute the work suit to the site conditions.

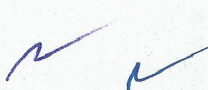
(Signature of Bidder with Seal)

Name:

Address:

Date:

Consultant Engineer



Annexure-III

CHECK-LIST FOR PRE-QUALIFICATION BID FOR: Providing & Fixing of lab furniture and aluminium wall partitions at Lab 008 at NIPGR Campus New Delhi.

S l . N o .	Documents asked for	Page number at which document is placed
1	Earnest Money	
2	Name of authorized person of the firm/agency, designation, address and office telephone numbers. If the bidder is a partnership firm/private or limited company, name designation, address and office telephone numbers of partners/ Directors also.	
3	Undertaking on a Non-judicial Stamp Paper of ₹ 100/- (as per format prescribed in Annexure-I) with tender document in Envelope – I.	
4	Self-attested copy of the PAN & GSTIN card issued by the Income Tax Department.	
5	Proof of experiences of last five years ending 31st Dec. 2018 as specified in the NIT along with satisfactory performance certificates from the concerned employers.	
6	Annual turnover of last three financial years ending March 31 st 2018 duly certified by the Statutory Auditors.	
7	Any other documents, if required.	

**Signature of the Bidder
(Name and Address of the Bidder)
Telephone No.**

FINANCIAL BID

SUB.: Providing & Fixing of lab furniture and aluminium wall partitions at Lab 008 at NIPGR Campus New Delhi.

**CLIENT : DIRECTOR NIPGR
NEW DELHI**

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Schedule of Quantity(PART-II)

Name of Work: Providing & Fixing of lab Furnitutre and Aluminium wall partitions at Lab008 at NIPGR Campus New Delhi

S. No.	Description	Qty.	Unit	Rate	Amount
1	Working Table I Shaped				
LC-MS	Fabrication,supply and Fixing of WORKING table to be fitted along the wall made in 'CRCA sheet,with Powder Coated Furniture, and required structure for table of Size length upto 14'(including 3' table movable on wheels), width 36" & 30" HT with 19MM +/-2 jet Black Granite table top with anti-vibration arrangements, as per Drawing in color combination to be approved by Institute. The grenite top will not more than 3 peices with well furnish joints. Leg space will be provided as required. The combination will as per enclosed design. i. e. 4 set of under table Module with one drawer on top, with two openable shutters below . There will be PVC shoes at the bottom without castor wheels ' Note: the corner will be dummy unit, with one shutter with dummy drawer on top. There will be a movable part within the total length of 17' table (3' X 3' ft) to be supplied by the equipment vendor. All hardware like handles, Tower bolts magnetic kature Hinges and locks etc. all complete as per enclosed specs & drawings and as per direction of Institute.	1	Set		
2	Working Table I Shaped				
GC-MS and HPTLC	Fabrication,supply and Fixing of WORKING table to be fitted along with the wall made in 'CRCA sheet,with Powder Coated Furniture, and required structure for table of Size length upto 17', width 36" & 30" HT with 19MM +/-2 jet Black Granite table top , Drawing in color combination to be approved by Institute. The grenite top will not more than 3 peices with well furnish joints. Leg space will be provided as required. The combination will as per our design. i. e. 4 set of under table Module with one drawer on top, with two open able shutters below . There will be PVC shoes at the bottom without castor wheels ' Note: the corner will be dummy unit, with one shutter with dummy drawer on top. All hardware like handles, Tower bolts magnetic kature Hinges and locks etc. all complete as per enclosed specs & drawings and as per direction of Institute.	2	Set		
	Electrical Race way				
	Providing and fixing of curve type (4"- 3") electrical raceway MOC CRCA sheet for electrial point length upto 17' on the table back Including cuttings of race way for switch & socket and fixing the same with respect all complete as per enclosed specs & drawings and as per direction of Institute.(Payment of switch & socket shall be made separtely)	3	Set		
	Storage Cabinet				
	Storage Cabinet made in CRCA sheet with powder coated, size will be L 750 xW 900 x D 450 MM" and cabinet having Two shelves for keeping solvents & desired materials.all complete as per enclosed specs & drawings and as per direction of Institute.	3	Nos.		
3	Working Table L Shaped				
UPLC	Fabrication,supply and Fixing of WORKING table to be fitted along the wall made in 'CRCA sheet,with Powder Coated Furniture, of Sizenlength upto 18', width 36" & 30" HT with 19MM +/-2 jet Black Granite table top , Drawing in color combination to be approved by Institute. The grenite top will not more than 3 peices with well furnish joints. Leg space will be provided as required. The combination will as per our design. i. e. 4 set of under table Module with one drawer on top, with two open able shutters below . There will be PVC shoes at the bottom without castor wheels ' Note: the corner will be dummy unit, with one shutter with dummy drawer on top. There will be a movable part within the total lenght of 18' table (3' X 3' ft) to be supplied by the equipment vendor. All hardware like handles, Tower bolts magnetic kature Hinges and locks etc. all complete as per enclosed specs and as per direction of Institute.	1	Set		
	Electrical Race way				
	Providing and fixing of curve type (4"- 3") electrical raceway MOC CRCA sheet for electrial point length upto 15' on the table back Including cuttings of race way for switch & socket and fixing the same with respect all complete as per direction of Institue.(Payment of switch & socket shall be made separtely)	1	Set		
	Electrical Race way				

S. No.	Description	Qty.	Unit	Rate	Amount
	Providing and fixing of curve type (4"- 3") electrical raceway MOC CRCA sheet for electrical point length upto 17' on the table back Including cuttings of race way for switch & socket and fixing the same with respect all complete as per direction of Institue.(Payment of switch & socket shall be made separately)	1	Set		
4	Working Table I Shaped				
	Fabrication,supply and Fixing of WORKING table to be fitted 2' distance along the wall made in 'CRCA sheet,with Powder Coated Furniture, of Size 15' L x 36" W 'x 30" HT with 19MM +/-2 jet Black Granite table top , as per design/Drawing in color combination to be approved by Institute. The grenite top will not more than 3 peices with well furnish joints. leg space will be provided as required. The combination will as per our design. i. e. 4 set under table Module with one drawer on top, with two open able shutters below . The Table will be as per the drawings. There will be PVC shoes at the bottom without castor wheels 'Kindly Note: the corner will be dummy unit, with one shutter with dummy drawer on top.	1	Set		
5	Side Instrument table				
	Providing of SIDE INSTRUMENT TABLE to be fitted along the wall made in 'CRCA sheet, with Powder Coated Furniture, of Size 5" L x 28" W 'x 30" HT with 19MM +/-2 jet Black Granite table top , as per our design/ catalog/Drawing in color combination to be approved by 'you. leg space will be provided as required. The combination will as per our design. i. e. 4 set of Module with one drawer on top, with two open able shutters below . The Table will be as per the drawings. There will be PVC shoes at the bottom without castor wheels . All hardware like handles, Tower bolts magnetic kature Hinges and locks etc. all complete as per enclosed specs & drawings and as per direction of Institute.	1	Set		
	Electrical Race way				
	Providing and fixing of curve type (4"- 3") electrical raceway MOC CRCA sheet for electrical point length upto 15' on the table back, Including cuttings of race way for switch & socket and fixing the same with respect all complete as per direction of Institue.(Payment of switch & socket shall be made separately)	1	Set		
6	Working Table L Shaped				
ICP-MS	Fabrication,supply and Fixing of WORKING table to be fitted 2' distance along the wall made in 'CRCA sheet,with Powder Coated Furniture, of Size 21' L x 36" W 'x 30" HT with 19MM +/-2 jet Black Granite table top , as per our design/ catalog/Drawing in color combination to be approved by Institute. The grenite top will not more than 3 peices with well furnish joints.leg space will be provided as required. The combination will as per our design. i. e. 4 set of under table Module with one drawer on top, with two open able shutters below . The Table will be as per the drawings. There will be PVC shoes at the bottom without castor wheels 'Kindly Note: the corner will be dummy unit, with one shutter with dummy drawer on top. There will be a movable part within the table (3' X 3' ft) to be supplied by the equipment vendor.	1	Set		
7	Working Table I Shaped				
ta-evapora	Fabrication,supply and Fixing of WORKING table to be fitted 2' along the wall made in 'CRCA sheet,with Powder Coated Furniture, of Size 10.5' L x 36" W 'x 30" HT with 19MM +/-2 jet Black Granite table top , as per our design/ catalog/Drawing in color combination to be approved by Institute. leg space will be provided as required. The combination will as per our design. i. e. 4 set of under table Module with one drawer on top, with two open able shutters below . There will be PVC shoes at the bottom without castor wheels 'Kindly Note: the corner will be dummy unit, with one shutter with dummy drawer on top.All hardware like handles, Tower bolts magnetic kature Hinges and locks etc. all complete as per enclosed specs & drawings and as per direction of Institute.	1	Set		
	Electrical Race way				
	Providing and fixing of curve type (4"- 3") electrical raceway MOC CRCA sheet for electrical point length upto 15' on the table back, Including cuttings for sockets.	1	Set		
	Electrical Race way				

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[Handwritten Signature]

S. No.	Description	Qty.	Unit	Rate	Amount
	Providing and fixing of curve type (4"- 3") electrical raceway MOC CRCA sheet for electrical point length upto 21' on the table back,Including cuttings of race way for switch & socket and fixing the same with respect all complete as per direction of Institue.(Payment of switch & socket shall be made separtely)	1	Set		
8	Sink & Tap				
	Providing of Sink table to be fitted along the wall made in 'CRCA sheet, with Powder Coated Furniture, of Size 5' L x 28" W 'x 30" HT Consist of under bench modules with 1No. Drawer on top &with 2Nos. cabinet shutters below the drawer Sink cabinet with PP Sink (22" X 14" X 10"H) with Bottle trap and extension piece for drain outlet-1 No & with 19MM +/-2 jet Black Granite top of sink table along the wall . Storage cabinets panes fitted with lock,handles etc including all hardware arrangments and support structure of frames, cabinets/shelves to be made of powder coated cold rolled steel sheets in approved colour and thickness inculding one way haevy duty water tap powder coated with acrylic handles as per norms. as per enclosed specification & drawings and design complete in all respect as per instruction of Engineer-in Charge.	1	Nos.		
	Lab Safet & Eye Wash Shower				
9	Supply & Fixing of Laboratory safety and Eye wash shower unit of over Head ht. of 7ft with SS safety shower with eye wash For safety showers, the shower head must be capable of flowing 20 gallons per minute (gpm) at 30 psi and producing a 20-inch diameter spray pattern at 60inches above the surface where the user stands. The center of the sprayhead pattern should be at least 16 inches from any wall, door, or obstruction. It is recommended that the shower head be mounted between 82 and 96 inches off the floor, with the valve no higher than 69 inches. water connection to be taken from nearest water supply point and drainage to be connected with neareset drainage point all complete as per direction of Institute.	1	Nos.		
10	Supplying and fixing suitable size GI/PVC box with modular plate and cover in front on surface or in recess/raceway, including providing and fixing 6 pin 5/6 & 15/16 A universal modular socket outlet and 15/16 A modular switch etc. as required.	120	Each		
11	Supply and Installation of CAT 6 information oulets complying fully or exceeding with category6 connecting hardware specification for all pairs combination upto 250MZ .Outlets shall be lead frame techonology complete as per direction of Engineer-in-charge.	5	Nos.		
				Total Amount	
				GST @ 18%	
				Net Total Amount (PART II)	
				Grand Total Amount(PART I+PARTII)	
(In words Rs.-----)					
Consultant Engineer			Seal & Sign of Agency		

