

**NATIONAL INSTITUTE OF PHARMACEUTICAL
EDUCATION AND RESEARCH HYDERABAD
(NIPER-HYDERABAD)**

Notice Inviting Tender (NIT) in **E-TENDER mode only** through **Central Public Procurement Portal (CPPP)** of Government of India under Two-Cover Bid System

for

**PROVISION OF LAB FURNITURE AND OTHER CIVIL WORKS FOR
MEDICAL DEVICES DEPARTMENT AT NIPER HYDERABAD**

Tender No.: PUR/NIPER HYD/NC/32/2022

**Director
National Institute of Pharmaceutical Education & Research
Hyderabad (NIPER-HYDERABAD)
Near IDPL, Balanagar
Hyderabad, Telangana 500037**

Website: www.niperhyd.ac.in

**CPPP Website for e-tender submission
<https://eprocure.gov.in/eprocure/app>**

INTRODUCTION

NIPER is an autonomous body established under the aegis of Department of Pharmaceuticals (DoP), Ministry of Chemicals & Fertilizers as a Centre of Excellence for higher education, research, and development in pharmaceutical sciences. The institute has been declared as an "Institute of National Importance" by Government of India through an Act of Parliament. In pursuance of the decision of the Government of India, NIPER-Hyderabad started functioning as one of the six new NIPERs in September 2007, in the premises of IDPL, R&D centre, Balanagar, Hyderabad. The Institute has been functioning with the mission of developing human resource with excellence through conducting Postgraduate and PhD courses. The students are selected through a Joint Entrance Examination for all the NIPERs every year. NIPER has M.S. (Pharm), M. Tech. and MBA courses in different disciplines i.e., Medicinal Chemistry, Pharmaceutical Analysis, Pharmacology & Toxicology, Pharmaceutics, Process Chemistry, Regulatory Toxicology and Pharmaceutical Management.

NIPER Hyderabad intends to procure the "Supply and Installation of lab infrastructure, namely laboratory tables, chemical storage cabinets, fume hoods, exhaust system and other allied civil services at NIPER Hyderabad" to enrich its research and academic facility.

Reputed manufactures or authorized distributors, fulfilling the criteria as per this tender document are invited to submit their bid in **e-tender mode only** through Central Public Procurement Portal (CPPP) of Govt of India, for which website address is as follows:

<https://eprocure.gov.in/eprocure/app>

All instructions and terms and conditions must be followed, failing which bid(s) will liable to be rejected.

IMPORTANT NOTES:

1. Offer must be submitted under TWO-BID system in two covers i.e. "Techno-commercial (i.e. Technical) bid" and "Price (Financial) bid" in **e-tender mode through CPPP only** within the stipulated period. Late or delayed tenders shall be summarily rejected. Bids sent through Email / Fax or submitted in hard copy format will not be accepted and such bids will be treated as non-responsive bids.
2. Technical Bid must contain the techno-commercial details only. This part must not include price offered by the bidder. The Price must be mentioned in the Price / Financial Bid part only.
3. a) In a tender, either the Indian agent on behalf of the principle/ OEM or the Principle/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.

b) If an agent submit bid on behalf of the principle/ OEM, the same agent shall not submit a bid on behalf of another principle/ OEM in the same tender for the same item/product.

4. Bidder(s) must submit PAN given by Income Tax authorities, TIN and copy of PAN / TIN with the bid.
5. Joint Venture or Consortium is / are not allowed for bidding for this tender.
6. All financial details should be related with the actual bidder to whom order will be placed (if approved by the NIPER Hyderabad authority). Financial details for eligibility criteria from a subsidiary company or sister firm or Principle firm must not be considered for calculation.
7. Conditional offers or offers with advance payment condition will not be considered and such bids may be treated as non-responsive.
8. Late or delayed tenders shall be summarily rejected. Bids sent through Email/Fax or submitted in unsealed cover(s) will not be accepted and such bids will be treated as non-responsive bids.
9. Regarding any clarification on technical aspects or any other issue, a Pre-Bid Meeting will be held on date and time as mentioned in the this tender document at NIPER Hyderabad (Stores & Purchase Department). All prospective bidders are requested to attend the Pre-Bid Conference in-person. Queries, if any, may be submitted to the email ID sp.niperhyd@gov.in only before the pre bid Meeting. The changes in the tender, if any, made after Pre-Bid Meeting would be hosted on the CPPP (<https://eprocure.gov.in/eprocure/app>) as Corrigendum. Any kind of corrigendum / addendum will be default integral part of this tender document.
10. Bid document(s) and all enclosures must contain the signature and seal of the authorised representative of the bidder.
11. The bidder quoting for item(s) as per this tender should be the registered to provide the item/services with the appropriate government authority. Copy of registration certificate should be enclosed with the tenders (TECHNICAL BID). Offers submitted without proper registration certificate shall be rejected summarily.
12. The Bank/RTGS detail on the letter-head of the bidder(s) must be submitted along with the tenders (TECHNICAL BID). A copy of the cancelled cheque should also be attached.
13. Name and PAN/Voter Card No. /Aadhar No. of the authorized signatory of the bidder(s) must be submitted along with the tenders (TECHNICAL BID).
14. A copy of PAN/Voter Card/Aadhar Card of the authorized signatory of the bidder(s) must be attached with the tenders (TECHNICAL BID).
15. The Bidder should not be currently blacklisted by any institution, bank in India or abroad.

SECTION 1: INVITATIONS FOR TENDERS

Tender Notification

Scope of Work	Provision of Lab furniture and other civil works for Medical Devices department at NIPER Hyderabad
Period of Work completion	Three (03) months from the date of Purchase Order/ work order
Name of the Client	NIPER Hyderabad
Address of the Client	Registrar, NIPER Hyderabad, Near IDPL, Balanagar Hyderabad – 500037 Telangana email: sp.niperhyd@gov.in
Tender Processing Fee	Rs 1000/-
Estimated Cost	Rs 12.94 Lakhs (Rs Twelve Lakh Ninety Four Thousand only)
Submission of Bids	e-Tender mode only through Central Public Procurement Portal (Govt. of India): https://eprocure.gov.in/eprocure/app For contact details please see http://www.niperhyd.ac.in
Amount of Bid Security or Earnest Money Deposit (EMD) to be deposited with the Tender	Rs. 38,850/- (Rupees Thirty Eight Thousand eight Hundred fifty only) EMD should be deposited in the form of Bank Draft in favour of NIPERH Resources. Necessary Bank details of NIPER Hyderabad is appended below.
Date & Time of commencement of Bidding	09-Nov-2022 (18:30hrs) on CPP Portal
Date and Time of Pre-bid meeting	NA
Last date and Time for online submission (uploading) of tender	29-Nov-2022 (15:00hrs) through CPP Portal
Date and Time of opening of Tender (Technical Bid)	30-Nov-2022 (15:30hrs) on CPP Portal
Date and Time for Technical Presentation by the Qualified bidders	Will be intimated later on CPP Portal
Date and Time of opening of Tender (Financial Bid)	Will be intimated later on CPP Portal

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LIST OF DOCUMENTS TO BE UPLOADED

Sl. No.	Item	Yes / No (Document Reference No.)
1.	Hard Copy of Tender Document (Technical bid only) submitted	
2.	Signing of all pages of tender document by Authorised Signatory	
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18.	Details of Ongoing Commitments	
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A. General

1. Scope of Tender

The REGISTRAR, NIPER Hyderabad invites tenders from eligible Bidders, for *Provision of Lab furniture and other civil works for Medical Devices department at NIPER Hyderabad.* (as defined in these documents).

1.0 The bidders who fulfill the following requirements shall be eligible to apply.

(a) Should have experience of having successfully completed works in CFTIs or government laboratories/institutes, Central Govt Dept / State Govt Dept / Semi Govt Dept or PSU / Autonomous Body or under Limited company of National / International repute during the last three years ending with the date of submission of tenders; should have completed Similar 03 Works of 40% value (Rs 5.18 Lakh/-) or 02 Works of 60% Value (Rs 7.77 Lakh) or 01 Work of 80% Value (Rs 10.36 Lakh). The bidders / company should have a valid registration with Gol / State.

Definition of similar works: Similar works refers to installation laboratory benches, cabinets and other lab furniture and providing civil, electrical and plumbing outlets, etc. **AIR-CONDITIONING OR AIR-HANDLING WORKS MUST NOT BE INCLUDED** Or civil works / furniture works / building works. **Only purchase orders, without having completed the installations, shall not be considered for the purpose of experience in similar works.**

Bidder shall submit abstract of cost of work in support of this; it is the responsibility of the agency to appropriately deduct the value of NON-SIMILAR WORKS from the cost, prior to submission. Copy of certificates of work experience as specified in the bid documents shall be scanned and uploaded to the e-tendering website within period of bid submission.

Work completion certificates from competent authority, not below the Rank of Assistant Registrar or Executive Engineer or equivalent, shall be uploaded. The work completion certificate shall mention the nature of work, items of work executed and the date of commencement and date of completion of the work; including delays if any, with reasons thereof.

(b) Should have had **average** turnover from similar works, **during the past 3 financial years (2019-20 to 2021-22), of at least Rs. 4.65 Lakh.** If any of the work executed by the bidder was awarded on all inclusive basis, all annual financial statements duly audited by a chartered accountant should be submitted as per prescribed format of sec 3.

(c) The bidder/parent company should be an Official member with SEFA (Scientific Equipment and Furniture Association).

(d) The bidder should be a registered company in India. Similar work experience of the parent company shall be acceptable, **provided documentary evidence is produced to the satisfaction of NIPER Hyderabad.**

(f) Should be solvent for a minimum of **Rs 5.18 Lakh** as certified by a Scheduled Commercial Bank in India and the certificate must be obtained on or after 1st October 2021.

(g) A line of credit, amounting to **Rs.10.36 Lakh** for meeting the working capital of the project, issued by a Nationalized/Scheduled bank shall be provided by the bidder, as per the format provided **in Section 3.**

(h) Should not have incurred any loss (profit after tax should be positive) during the last two consecutive financial years, ending 31st March, 2022, duly certified by a Chartered Accountant in a

separate certificate.

(i) Bidder should have sufficient number of Technical and Administrative employees in India for proper execution of the contract. The bidder shall have to submit a list of key personnel available and proposed to be engaged for management and supervision of this project, along with their qualifications and experience.

(j) Specialized agency(s) who are to partner with the Bidder must submit their experience certificate complying with the clause laid out under special conditions of contract. The tender is liable to be disqualified if proper experience certificate is not submitted.

The bidders shall upload valid and present certificate copies of PAN, GST, Contractor's Registration passbook in technical bid, **failing which the tender is liable to be rejected**. If required, bidder shall produce all the original documents for verification.

The work shall be carried out as per the directions of the Director NIPER Hyderabad and Project Monitoring Committee constituted for the purpose.

Black- listed/ banned Contractors/in Govt/Quasi- Govt/Boards/BBMP etc., are not eligible to quote; if found, such tenders are liable to be rejected.

The successful Bidder shall execute an Agreement within 10 days from the date of Receipt of Intimation from NIPER Hyderabad. The Tender Document will form part and parcel of the agreement.

Material shall be approved by the Project Monitoring Committee & Director NIPER Hyderabad before execution of the work.

Further details of the work can be obtained from NIPER Hyderabad.

NIPER Hyderabad reserves the right to accept/reject or cancel any or all the bids without assigning any reasons.

The work shall be commenced with all men and machinery within 10 days from the date of work order, failing which it would be presumed that the successful bidder is not interested in the work and action will be taken to get the work executed through alternate agency at the risk and cost of the bidder.

Conditional tenders are liable for rejection.

Bidders who meet the above specified minimum qualifying criteria, shall be eligible.

Bidders are liable to be disqualified if they have:

- Made misleading or false representations in the forms, statements and attachments submitted as proof of the qualification requirements.
- Record of poor performance, such as abandoning the works, improper completion of the contract, inordinate delays in completion, litigation history, or financial failures, etc.
- The business banned by any Govt Department / Public Sector Undertaking or Enterprise of Govt.
- Not submitted all the supporting documents or not furnished the relevant details as per the prescribed format.

2. Site visit:

The Bidder at his own responsibility is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Tender and entering into a contract for the Works. The cost of visiting the Site shall be at the Bidder's own expense.

B. Tender documents (Two bid system – Technical & Financial)

The Tender document can be downloaded from CPPP website:

<https://eprocure.gov.in/eprocure/app>

It may be noted that all subsequent notifications, changes and amendments on the project/document would be posted only on the same website: <https://eprocure.gov.in/eprocure/app>

The bidders will be required to register themselves with the CPPP, in order to participate in the bidding, for which above website may please be consulted. NIPER Hyderabad has no role in creation of user ID for bidders for using CPPP.

3. Content of tender documents

The bidders should go through the Tender Document and **submit online response through Central Public Procurement Portal (CPPP) only.**

4. Amendment of Tender documents

Before the deadline for submission of tenders, the NIPER Hyderabad may modify the tender documents by issuing corrigendum/addendum.

Such corrigendum/addendum, thus issued shall be a part of the documents and shall be published online in e-Procurement portal.

NIPER Hyderabad reserves right to extend the dates, if required.

C. Preparation of Tenders

5. Documents comprising the Tender

The technical bid submitted by the Bidder shall contain the following documents:

- (a) Earnest Money Deposit and Tender fee must be paid in the form of Bank DD, as specified in this tender. The DD must be attached with the technical bid. **The EMD for MSME will be governed by the MSME policy in vogue.**

- (b) Qualification Information, as per formats, to comply with the task created in the e-Procurement Portal under General Terms and Conditions and Technical parameters and Documents required from Bidder.
- (c) Any other documents/materials required to be completed and submitted by Bidders in accordance with these instructions. The required documents shall be filled in without exception.
- (d) Scanned copy of bank details
- (e) Scanned copy of work experience
- (f) Scanned copy of certificate of GST & PAN
- (g) Scanned copy of Tender acceptance letter
- (h) Scanned copy of specifications or brochure
- (i) Scanned copy of other documents as mentioned in tender document.
- (j) SEFA 8M Certification (Furniture Vendor)
- (k) ISO 9001: 2015 Certification
- (l) Certificate of Non black listing in any Govt /Semi Govt / PSU Institute organization.
- (m) Solvency Certificate
- (n) Details of available plants & Machinery and availability of manpower.

The financial bid submitted by the bidder shall contain the following documents:

- (a) Priced Bill of Quantities; through **online e-tender mode in the specified format on CPPP only**, no hardcopy of commercial bids should be attached or disclosed.

6. Tender prices

The contract shall be for category of works/whole works based on the priced Bill of Quantities submitted by the Bidder.

The Bidder shall fill in rates for all items in each category of Works described in the Bill of Quantities. Items for which no rate or price is entered by the Bidder will not be paid for by NIPER Hyderabad when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities.

7. Tender validity

Tenders shall remain valid for a minimum period of 180 days from the actual date of opening of the technical bids. A tender valid for a shorter period is liable to be rejected by the NIPER Hyderabad, as non-responsive.

In exceptional circumstances, prior to expiry of the original time limit, the NIPER Hyderabad may

request that the Bidders may extend the period of validity for a specified additional period. The request and the Bidders' responses shall be made in writing or by email. A Bidder may refuse the request without forfeiting his earnest money deposit. A Bidder agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for the period of the extension, and in compliance with Clause 8, in all respects.

8. Earnest money deposit

Earnest Money Deposit/ Bid security

The Bidder shall furnish, as part of his tender, earnest money deposit (EMD) of Rs. 38,850/- (Rupees Thirty Eight Thousand Eight Hundred fifty only) through Bank DD only in favour of NIPERH Resources. Other modes of payment for EMD is not acceptable. The bidder must submit Bank DD payment as proof of payment of EMD. For MSME contractors, the MSME policy in vogue will be applicable.

a. The entire EMD amount for the tender has to be paid in a single transaction through Bank DD. The earnest money deposit of unsuccessful Bidders will be refunded after awarding the contract to the successful bidder. The EMD of successful bidder will be refunded only after receiving Performance Security / Performance Bank Guarantee (PBG) / Security Deposit.

The earnest money deposit may be forfeited:

- (a) If the Bidder withdraws the bid partly or fully or any condition of its after tender opening, during the period of tender validity;
- (b) If the Successful Bidder fails within the specified time limit to:
 - (i) Sign the Agreement; or
 - (ii) Sign the Integrity Pact; or
 - (iii) Furnish the required Performance Security / Performance Bank Guarantee (PBG) / Security deposit within two weeks from the issue of the Letter of Intent / Purchaser Order.

9. Format and signing of Tender

Bidder shall sign all the pages of the tender document as a token of acceptance of all the terms and conditions of the tender and upload the same on the CPPPP.

10. Submission of Tenders

Tenders must be submitted on-line on CPPPP by the Bidder as per submission deadlines.

11. Deadline for submission of the Tenders

Tenders must be submitted the Bidder as per bid submission deadlines on-line on CPPPP.

12. Late Tenders

In e-procurement system, Bidder shall not be able to submit the bid after the bid submission time and date as the icon or the task in the e-procurement portal will no longer be available. NIPER Hyderabad will not be liable (or) responsible for any delay due to unavailability of the portal and the Internet link.

13. Modification and Withdrawal of Tenders

Bidder should take appropriate care while submitting the bid, as alteration in bid or

withdrawal of bid is not permitted. The Bidder is not allowed to withdraw its bid.

No Tender may be modified after the deadline for submission of Tenders.

Withdrawal or modification of a Tender between the deadline for submission of Tenders and the expiration of the original period of Tender validity specified in Clause 11 above, or as extended pursuant to Clause 13, may result in the forfeiture of the earnest money deposit pursuant to Clause 8.

14. Tender opening

The NIPER Hyderabad will open the bids through CPPP online mode only.

The NIPER Hyderabad will evaluate and determine whether each tender meets the minimum qualification/eligibility criteria. Decision of NIPER Hyderabad in the regard, will be final and binding.

The bidder must submit all the Original Documents submitted for Technical bid (hard copy, properly bound in one volume only preferably in A4 size minimum 75 GSM paper), which are uploaded in e-procurement portal (CPPP), to NIPER Hyderabad for verification on or before the last date & time of submission of Technical Bid. Non-submission of the hard copy of the technical bid on or before last date of opening of Technical bid, the same will lead to disqualification for subsequent state. However, in case of any discrepancy in the hard copy of the bid, the documents submitted on CPPP will only be considered as final. Also in case of any such discrepancy in hard copy bids or mismatch in hard copy bid and CPPP bid, the bid may be treated as non-responsive and will not be considered further process.

The exact schedule of the presentation will be intimated by email to the bidders separately via e-mail only. Any request for change in date, time or venue of the presentation will not be considered. If a bidder does not appear for presentation, its bid will be treated as non-responsive and will not be considered for further process. **EMD will not be refunded, if bidder does not present for presentation as per the schedule given by NIPER Hyderabad.**

15. Process to be confidential

Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process, until the award to the successful Bidder has been announced.

17 Clarification of Tenders

To assist in the examination, evaluation, the NIPER Hyderabad, may, at its discretion, ask any Bidder for clarification of his Tender. The request for clarification and the response shall be by e-mail along with the section number, page number and subject of clarification, but no change in the price or substance of the Tender shall be sought, offered, or permitted.

Subject to sub-clause 17 above, no Bidder shall contact NIPER Hyderabad on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the NIPER Hyderabad, he should do so in writing.

Any effort by the Bidder to influence the NIPER Hyderabad Tender evaluation, or contract

award decision may result in the rejection of the Bidders' Tender and forfeiture of the EMD.

18. Examination of Tenders and determination of responsiveness

Prior to the detailed evaluation of Tenders, the NIPER Hyderabad will determine whether each Tender

- (a) Meets the eligibility criteria defined in Clause 1 & 2 above.
- (b) Has been properly signed
- (c) Is accompanied by the required earnest money deposit and
- (d) Is substantially responsive to the requirements of the Tender documents

A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one:

- (a) Which affects in any substantial way the scope, quality, or performance of the Works;
- (b) Which limits in any substantial way, inconsistent with the Tender documents, the NIPER Hyderabad's rights or the Bidder's obligations under the Contract or
- (c) Whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Tenders.

If a Tender is not substantially responsive, it is liable to be rejected by the NIPER Hyderabad, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

19. Correction of errors

No corrections will be permitted on the tenders uploaded on the digital portal on CPPP.

20. Evaluation and comparison of Tenders

Opening of the Financial bid will be preceded by the evaluation of the Pre-qualification Offer (Technical bid), vis-à-vis the capability, capacity and credibility of the Bidder. Evaluation of the Pre-qualification offer will be done by the Evaluation Committee constituted for the purpose. After evaluation is completed, all the Bidders who are technically qualified will be notified and will be intimated the date and time of opening of the Financial bid. Financial bid will be opened online on CPPP only. NIPER Hyderabad will evaluate and compare only the Tenders determined to be substantially responsive (in technical bid) in accordance with Clause 18. NIPER Hyderabad reserves right to add / modify the criteria for evaluation of bids. Decision of NIPER Hyderabad in this regards, will be final and binding. Financial comparison will be made on the basis of item-rate tender i.e. total offered cost of all line items will be considered. Normal warranty period will be One year. Price for all line items must be given, otherwise financial bid will be treated as non-responsive and will be not processed further.

The NIPER Hyderabad reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the NIPER Hyderabad shall not be taken into account in Tender evaluation.

21 Award of Contract

TECHNICAL EVALUATION CRITERIA:

Technical evaluation will be based on the stipulated requirements with regard to:

- i) Financial standing;
- ii) Previous work experience criteria of the agency;
- iii) User Evaluation Forms received from vendors
- iv) Inputs from a committee formed by the institute for the assessment of the manufacturing facility and manufacturing capacity/capability of the agency.

22. Award criteria

A two-cover system will be followed; commercial bids of only those agencies who qualify the technical evaluation criteria will be opened. Decision of NIPER Hyderabad with regard to award of contract will be final and binding.

Subject to Clause 23, NIPER Hyderabad will award the Contract to the Bidder whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Bidder has been determined qualified and responsive.

23. NIPER Hyderabad's right to accept any Tender and to reject any or all Tenders

(a) Notwithstanding Clause 22, the NIPER Hyderabad reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the NIPER Hyderabad's action.

(b) Before release of PO, Lowest-1 (L1) bidder will give powerpoint presentation offline / online to the satisfaction of NIPER Hyderabad.

24. Notification of award and signing of Agreement

The Bidder whose Tender has been accepted will be notified of the award Letter of Intent / Purchase Order by the NIPER Hyderabad prior to expiration of the Tender validity period by e-mail letter. This letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") will state the sum that the NIPER Hyderabad will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor, as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

The notification of award will constitute the formation of the Contract, subject only to the furnishing of a performance security in accordance with the provisions of Clause 25. The Agreement will incorporate all agreements between the NIPER Hyderabad and the successful Bidder/Bidders. It will be kept ready for signature of the successful Bidder in the office of Registrar, NIPER Hyderabad,

Following the notification of award along with the Letter of intent. The successful Bidder will sign the Agreement and deliver it to the NIPER Hyderabad

NIPER Hyderabad will issue a formal work order to the successful Bidder upon furnishing of the PBG

/ Security deposit.

25. Successful bidder has to submit performance security in the form of a bank guarantee (as per format given at the end of this tender) issued from a Nationalized / Scheduled Commercial Bank in India (as per RBI list) only for an amount of 3% of the total order value as mentioned in the Purchase Order. The SD must be submitted within 15 days of the issue of the Purchase order, otherwise EMD may be forfeited and order may be cancelled. This PBG must be valid for 60 days beyond the completion of all contractual obligation including complete warranty period and AMC period. The security deposit shall be released without any interest to the Agency after successful completion of all contractual obligations including complete warranty period and AMC period. The PBG will be forfeited in case of violation any terms & conditions of the purchase order or agreement done thereof by the successful bidder.

26. The security deposit is provided by the successful bidder in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank.

27. Failure of the successful Bidder to comply with the requirements of this clause shall constitute sufficient grounds for cancellation of the award and forfeiture of the earnest money deposit.

Since the work execution period is about three months and the successful bidder will keep the materials in NIPER Hyderabad premises during installation and commissioning period, hence successful bidder may take appropriate insurance to safeguard of these materials. NIPER Hyderabad will not be held responsible for any kind of loss of the items before final commissioning due to damage, theft, fire, accident, earthquake etc. Also NIPER Hyderabad will not bear any kind of compensation for this. NIPER Hyderabad will not bear any kind of insurance cost towards this. Safety and security of the items before commissioning lies with the vendor and not NIPER Hyderabad. Safety and security of the human resources lies with the vendor only. NIPER Hyderabad will not entertain any representation towards compensation to the vendor or any manpower deployed by the vendor due to any kind of loss to them.

28. Corrupt or Fraudulent practices

The NIPER Hyderabad requires that the Bidders observe the highest standards of ethics during the procurement and execution of such contracts. In pursuance of this policy, NIPER Hyderabad:

(a) Will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

(b) Will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a NIPER Hyderabad contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a NIPER Hyderabad contract.

SECTION 3: QUALIFICATION INFORMATION

(duly filled-in details on the letter head of the bidder to be submitted with Technical Bid)

The information to be filled in by the Bidder hereunder will be used for purposes of computing Tender capacity as provided in Clause 2 of the Instructions to Bidders. This information will not be incorporated in the Contract.

1.1 Name of Agency as registered : Postal Address for communication :
 Principal Place of business :
 Name of the Owner :
 Nature of Company/individual/partnership/firm etc :
 Name of the authorized person with contact details :
 Constitution or legal status of Bidder :
 Place of Registration [Attach self-attested photo copy]

1.2 Total value of executed works and payments received in the last five years (In Rs. Lakhs)

2019-20 _____
 2020-21 _____
 2021-22 _____

1.3 (a)

Details of Works performed as a Prime Contractor (in the same name) on works of similar nature during the five years specified in 1.2 above.

Project Name	Name of Employer	Description of work	Contract number	Value of Contract	Stipulated Period of completion	Actual date of completion	Remarks (Reason for delay)

1.3(b)

Certificate and date of completion from the concerned Engineer-in-charge not below the rank of Executive Engineer or Competent Authority]

Project Name	Name of Employer	Description of work	Contract number	Value of Contract	Stipulated Period of completion	Actual date of completion	Remarks (Reason for delay)

Information on works for which Tenders have been submitted and works which are yet to be completed as on the date of this Tender.

(A) Existing commitments and on-going works:

Description of work	Place & state	Contract Number and Date	Name & address of Customer	Value of contract Lakhs	Specified period for completion	Value of work remaining (Rs. Lakhs)	Expected date of completion

[Details to be furnished with necessary work order signed from concerned Engineer-in-charge not below the rank of Executive Engineer or Competent Authority. Work order/Testimonials will be verified, if required]

(B) Works for which Tenders already submitted:

Description of work	Place & state	Contract Number and Date	Name & address of Customer	Value of contract (Rs. Lakhs)	Specified period for completion	Expected date of start

1.4 FINANCIAL INFORMATION

(duly filled-in details on the letter head of the bidder to be submitted with Technical Bid)

The bidder should furnish the following information with respect to his financial performance. The bidder should upload audited financial statements, including Audit Report, for each of the years in support of the information furnished. The information furnished should also be certified by a Chartered Accountant.

(Rs. Lakhs)

Year Ending ->	31/03/2020	31/03/2021	31/03/2022
Turnover ¹			
Profit/Loss before Tax (EBT) ²			

Notes:

1. The amount of turnover should exclude all statutory taxes and other income.
2. EBT refers to Earnings Before Tax

1.5 WORK PERFORMANCE

The bidder should mandatorily have successfully completed atleast one similar work in a CFTI/government labs or institutes of Central / State Govt or Undertakings during the period starting 1/04/2019 and ending on 31/03/2022. The value of such completed work(s) should not be less than Rs. 10.36 Lakh (including all statutory taxes) OR two works of not less than Rs7.77 Lakh each (including all statutory taxes) or three works of not less than Rs 5.18 Lakh each (including all statutory taxes). The bidder should furnish a certificate from the concerned institution about satisfactory completion of similar work from the respective CFTI/government labs or institutes. If any of the work executed by the bidder was awarded on all inclusive basis.

1.6 TURNOVER CRITERIA

The bidder's average turnover from a similar work during past 3 years should not be less than Rs. 12.95 Lakh /-. If any of the work executed by the bidder was awarded on all inclusive basis. The information shall be furnished in the following format:

Financial Year	Turnover (INR Lakhs)
2019-20	
2020-21	
2021-22	
Total for 3 Financial years	
Average Turnover for 3 Financial years	

The above information shall be duly certified by a Chartered Accountant.

SOLVENCY CRITERIA

The bidder should be a Company registered in India. Foreign companies can also bid provided they have a subsidiary company registered under the Company Law in India and the said subsidiary company should be authorized to submit bid papers on behalf of the foreign parent company.

The company should have a positive Net Worth [Solvency position] of at-least Rs. 5.18 Lakh as on 31st March 2022 on the basis of Audited Financial Statement as on 31st March 2022. While calculating Net Worth, the value of Revaluation Reserves, if any, shall be excluded. In the case of Foreign Companies proposing to execute the work

through their subsidiary in India, the criteria will be applied on the latest Audited Financial Statement of the Foreign Parent and such Audited Financial Statement should not be older than 30th September 2020. The certificate should be duly certified by a Chartered Accountant.

Evidence of access to financial resources to execute the contract such as bank balance, Letter of Credit such as Certificate from Banker in the suggested format:

BANKER'S CERTIFICATE

This is to certify that M/s..... is a reputed company with a good financial standing. If the contract for this work, namely (name of the work) is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of **Rs.5.18 Lakh**, value as mentioned in Section 1, to meet the working capital requirements for executing the above contract.

Sd/-

Name of the Bank, Senior Bank Manager Address:.....

Name, address, and telephone numbers of the Bidders' bankers who may provide references if contacted by the NIPER Hyderabad.

Income tax clearance certificate to be uploaded duly signed by competent Authority

SECTION 4: FORM OF TENDER

(duly filled-in details on the letter head of the bidder to be submitted with Technical Bid)

Description of the Works: "Provision of Lab furniture and other civil works for Medical Devices department at NIPER Hyderabad"

To

The Registrar,
NIPER Hyderabad, Balanagar, Hyderabad 500037

Dear Sir,

We offer to execute the Works described above in accordance with the Conditions of Contract

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

We undertake that, in competing, if the award is made to us, in executing the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We hereby authorize NIPER Hyderabad and its authorized representatives to conduct any enquiries or investigations to verify the statements, documents and information submitted (uploaded) for this tender.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorized Signature:

Name & Title of Signatory: _____

Name of Bidder

Address:

1.Name of the work	Provision of Lab furniture and other civil works for Medical Devices department at NIPER Hyderabad
2.Date of commencement of Work	Within Ten days from the date of issue of Letter of Acceptance or the date of handing over the site whichever is later
3. Time for completion	3 months
4.Frequency of interim Certificate and payment	Once every month.
5. Performance Security / PBG / SECURITY DEPOSIT	3% of the total order value as mentioned in the Letter of Intent / Purchase Order, which will be placed to the successful bidder
6. Defects liability period /retention amount from the final bill/release of balance of deposit.	The security deposit lodged/paid by a Contractor shall be refunded to him after the final bill is paid or after twelve months from the date of completion of the work, during which period the work so executed should be maintained by the Contractor in good order, whichever is later.
7. Penalty for delay	In respect of the shortfall in progress, assessed as due to the delay on the part of Contractor, the Contractor shall be liable to pay as penalty an amount equal to 0.5 % of the total order value, for every week or part thereof that the due quantity of work remains incomplete, provided always that the total amount of penalty to be paid under the provisions of this clause shall not exceed 10% of the total order value of the entire work as shown in the tender, provided further that in the event of the Contractor making up the shortfall in progress within the stipulated or extended time of completion, the penalty so recovered may be refunded on an application in writing by the Contractor.
8. Period for payment	As per Purchase Order
9. Period for submitting the final Bill.	One month from the date of final completion of the work including commissioning by the Contractor duly certified and accepted by the NIPER Hyderabad team..

SECTION 6: GENERAL RULES AND DIRECTIONS TO CONTRACTORS

- (a) A Schedule of Quantities (Bill of Quantities) is attached herewith. It should however, be clearly understood that these quantities are liable to alterations by omission, addition or variation, at the discretion of the Director NIPER Hyderabad.
- (b) The tender drawings together with specifications and conditions of contract are enclosed. These should be studied carefully by the intending tenderers.
- (c) The tenderer is expected to inspect the site and acquaint himself with the local conditions and will be deemed to have so done before submitting the tender.
- (d) The successful tenderer is required to sign an agreement for the due fulfillment of the contract and start the work immediately on the acceptance of his tender. A draft of the Articles of the Agreement is enclosed. The Earnest Money referred to in item No. 3 of Memorandum contained in the "Item Rate Tender for Works", will be forfeited and at the absolute disposal of the Employer if the Contractor defaults from signing the Agreement or in starting the work.
- (e) **Water supply:** The Contractor has to make his own arrangement for water supply. However, if water supply to the site at one convenient point is made available by the Institute, the charges for the consumption of water will be borne by the Contractor of 1 % of the value of the work.
- (f) **Electricity:** Electricity required for execution of work shall be arranged by the Contractor. Electricity, if supplied to the Contractor by the institute, will be metered and amount will be recovered in the bills as per actual at rate fixed by the Institute. Supply of electricity from the institute is not mandatory. Non-supply of electricity by the institute cannot be held as reason for short fall in progress.
- (g) The duration of the work is **3 (Three) Months.**
- (h) Institute reserves the right to accept or reject any tender without assigning reasons thereof. It further reserves the right of deleting any item of work.
- (i) The bids are valid for a period of 180 days from the date of opening.
- (j) This "General Rules and Directions to Contractors" shall also form part of the tender document.
- (k) It is entirely the responsibility of the Contractor to arrange for and provide all materials required for successful completion of the work.
- (l) The debris arisen during the period of work of execution will have to be cleared then and there to keep the surroundings clean and tidy. Such debris shall be cleared at Contractors risk and cost.

(m) Tenders determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

(i) Where there is discrepancy between the rates in figures and in words, the lower of the two will govern.

(ii) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.

(iii) Where there is a discrepancy in entries of unit rate between the Original and Duplicate, the lower will govern.

31. Make in India:

(i) As per the Ministry of Commerce and Industry Order No .P-45021/2/2017-PP(BE-II) dated 04.06.2020 preference shall be given to Make in India products for which it is mandatory for bidders to declare Country of Origin of goods and percentage of Local contents in the product.

Definitions:

(ii) "Local Content" means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

(iii) "Class-I local supplier" means a supplier or service provider, whose goods, services or works offered for procurement, has local content to or more than 50%, as defined under this order.

(iv) "Class-II local supplier" means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this order.

(v) "Margin of purchase preference" means the maximum extent to which the price quoted by a Class-I local supplier may be above the L1 for the purpose of purchase preference. (shall be 20%)

SECTION 7: GENERAL CONDITIONS OF CONTRACT

1. Security Deposit

(a) Bid Security or Earnest Money Deposit (EMD):- Required Amount for EMD must be submitted in the form of as per this tender. Bid received without EMD the techno- commercial bid will be rejected. There is no exemption for EMD except for MSME registered companies. No interest will be payable by NIPER Hyderabad on the Earnest Money Deposit. The earnest money of all the unsuccessful bidder(s) will be returned to the respective bidder(s) without any interest within 60 (sixty) days only after placing the order / awarding the contract on the successful bidder. The Earnest Money of successful bidder(s) shall be returned on receipt of Performance Security (Performance Bank Guarantee / PBG) as mentioned in this tender document. If the successful bidder(s) fails to furnish the performance security or fails to deliver/provide the item/installation/service as per the order's terms and conditions within stipulated period, the earnest money shall be liable to be forfeited. An undertaking to this is to be submitted.

(b) Performance Security or Performance Bank Guarantee (PBG):- The successful bidder(s), on whom order will be placed, has to submit a performance security of 3% of the total order value at the earliest as per Purchase Orders (PO) terms within two weeks from the date of PO. Performance security has to be submitted in the form of RTGS / NEFT / Bank Guarantee/Demand Draft/FDR from any Nationalized/Scheduled commercial Bank in India (as per RBI list) in favour of the NIPERH Resources. Performance security should remain valid for a period of two months beyond the date of completion of all contractual obligations (including warrant and AMC period) of the successful bidder(s). No interest will be payable by NIPER Hyderabad, on the Performance Security deposited. In case the contractor fails to provide satisfactory service or supply, the Performance Security submitted by the bidder(s) is liable to be forfeited. An undertaking to this is to be submitted.

2. PENALTY FOR DELAY

(a) Written Order to Commence Work

After acceptance of the tender, Director NIPER Hyderabad shall issue a written order to the successful tenderer to commence the work. The Contractor shall enter upon or commence any portion of work only with the written authority and instructions of The Director NIPER Hyderabad. Without such instructions the Contractor shall have no claim to demand for measurements of or payment for, work done by him.

(b) Programme of work

The time allowed for carrying out the work as entered in the tender shall be strictly observed by the Contractor. The work 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). To ensure good progress during the execution of the work, the Contractor shall be bound (in all cases in which the time allowed for any work exceeds one month) to comply with the time schedule according to the programme of execution of the work as agreed upon and enclosed to the agreement.

(c) Review of progress and responsibility for delay etc.,

The Project Monitoring Committee of NIPER Hyderabad shall review the progress of all works with the Contractor during the first fortnight of every month. Such a review shall take into account the programme fixed for the previous month, obligations on the part of the Contractor.

(d) Apportioning of responsibility for delay between Contractor and Institute.

In case the progress achieved falls short by more than 25 percent of the cumulative programme, the reasons for such shortfall shall be examined and a record made thereof apportioning the responsibilities for the delay between the Contractor and the Institute. This record should be signed in full and dated both by Project Monitoring Committee and the Contractor

(e) Shortfall in progress made up subsequently.

To the extent the shortfall is assessed, as due to the delay on the part of the Contractor, a notice shall be issued to him by Project Monitoring Committee / Registrar to make up the shortfall. If the shortfall is not made up before the progress of the work is reviewed during the second month succeeding the month in which the shortfall was observed, the Contractor shall be liable to pay penalty as indicated in **Clause 2 (g) and (h)** below.

(f) Settlement of dispute regarding shortfall in progress.

In case of dispute between Project Monitoring Committee of NIPER Hyderabad and Contractor regarding the responsibility for the shortfall in progress, the matter shall be referred to the Registrar, NIPER Hyderabad., who shall thereupon communicate the decision of the Director within fifteen days from the date of receipt of reference. The decision of the Director shall be final and binding on the Contractor and Project Monitoring Committee.

(g) Penalty for delay

In respect of the shortfall in progress, assessed as due to the delay on the part of Contractor, the Contractor shall be liable to pay as penalty an amount equal to 0.5 % of the estimated value of the balance work assessed according to the programme, for every week that the due quantity of work remains incomplete; provided always that the total amount of penalty to be paid under the provisions of this clause shall not exceed 10% of the estimated cost of the entire work as shown in the tender, provided further that in the event of the Contractor making up the shortfall in progress within the stipulated or extended time of completion, the penalty so recovered may be refunded on an application in writing by the Contractor.

Adjustment of excess/over payments.

Excess/over payments as soon as they are discovered should be adjusted in the next running account bill of the Contractor and in case the final bill has already been paid, the excess/over payment made shall be recovered from the Security Deposit of the Contractor together with interest at such percentages as Institute may decide from time to time, from the date of such excess or over payment to the date of recovery.

3. ACTION WHEN WHOLE OF SECURITY DEPOSIT IS FORFEITED

In any case in which under any clause or clauses of this contract the Contractor shall have rendered himself liable to pay compensation and/or penalty amounting to the whole of his security deposit including the amount deducted in installment from his bills as Further Security Deposit, the Project Monitoring Committee on behalf of the Director, NIPER Hyderabad., shall have power to adopt any of the following courses as he may deem best suited in the interest of Institute.

(a) Forfeiture of Security Deposit

Without prejudice to Institute's right to recover any loss from the Contractor under **sub-clauses (b) and (c) of Clause 3** of the Contract, to rescind the contract (of which rescission notice in writing to the Contractor under the hand of The Project Monitoring Committee shall be conclusive evidence). And in that case, the security deposit of the Contractor including whole or part of the lump sum deposited by him and also the amount deducted from his bills as Further Security Deposit, shall stand forfeited and be absolutely at the disposal of the Institute.

(b) Action against unsatisfactory progress

If the Contractor does not maintain the rate of progress as required under **Clause 2** and if the progress of any particular portion of work is unsatisfactory even after taking action under **Clause 2(c) and 2(d)**, the Project Monitoring Committee shall be entitled to take action under **Clause 3(b) or 3(c)** at his discretion in order to maintain the rate of progress after giving the Contractor 10 days notice in writing whereupon the Contractor will have no claim for any loss sustained by him owing to such actions.

(c) No compensation for loss sustained on advance action

In the event of any of the above courses being adopted by the Project Monitoring Committee, the Contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased, or procured any materials, entered into any agreements or made any advances on account of, or with a view to the execution of the work or the performance of the contract. And in case the contract shall be rescinded under the provision aforesaid the Contractor shall not be entitled to recover or be paid any sum for any work thereof actually performed by him under his contract, unless and until the Project Monitoring Committee shall have certified in writing the performance of such work and the amount payable in respect thereof, and he shall only be entitled to be paid the amount so certified.

4. CONTRACTOR TO REMAIN LIABLE TO PAY COMPENSATION IF ACTION IS NOT TAKEN UNDER CLAUSE-3.

(a) In any case in which any of the powers conferred upon the Project Monitoring Committee by **Clause 3** thereof shall have become exercisable and the same shall not have been exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the Contractor for which under any clause hereof he is declared liable to pay compensation or penalty amounting to the whole of his security deposit and the liability of the Contractor for past and future compensation or penalty shall remain unaffected.

5. GRANT OF EXTENSION OF TIME

(a) If the Contractor shall desire an extension of the time for completion of the work, on the ground of his having been unavoidably hindered in its execution or on any other ground, he shall apply in writing to the Project Monitoring Committee, NIPER Hyderabad before the expiry of the period stipulated in the tender or before the expiry of 30 days from the date on which he was hindered as aforesaid or on which the cause for asking for extension occurred, whichever is earlier and the Project Monitoring Committee or other competent authority may if in their opinion, there are reasonable grounds for granting an extension, grant such extension as They thinks necessary or proper. The decision of such competent authority in this matter shall be final.

(b) The time limit for completion of the work shall be extended commensurate with its increase in cost occasioned by alterations or additions and the certificate of the Project Monitoring Committee or other competent authority as to such proportion shall be conclusive.

6. ISSUE OF FINAL CERTIFICATE – CONDITIONS REGARDING

(a) On completion of the work the Contractor shall report in writing to the Project Monitoring Committee the completion of the work. Then he shall be furnished with a certificate by the Project Monitoring Committee 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 shall have been executed all surplus materials and rubbish and shall have cleaned thoroughly wall, floor or other parts of any building, in or upon which the work has been executed, or of which he may have had possession for the purpose of executing the work, nor until the works shall have been measured by the Project Monitoring Committee or other competent authority, or where the measurements have been taken by his Engineer-in-charge until they have received the approval of the Project Monitoring Committee or other competent authority, the said measurements being binding and conclusive against the Contractor. If the Contractor shall fail to comply with the requirements of this clause before the date fixed for the completion of the work the Project Monitoring Committee or other competent authority may, at the expense of the Contractor, remove such surplus materials and rubbish, and dispose of the same as he think fit and clean off such dirt etc., as aforesaid and Contractor shall be liable to pay the amount of all expenses incurred but shall have no claim in respect of any such scaffolding or surplus materials as aforesaid except for any sum actually realized by the sale thereof.

7. CONTRACTOR TO SUBMIT BILLS MONTHLY IN PRINTED FORM (Computerized Measurement Books)

(a) All bills shall be prepared in the prescribed printed or electronic form in PDF format in quadruplicate and handed over to the In-charge in charge of the work/ the Project Monitoring Committee's Office and acknowledgment obtained.

(b) The charges to be made in the bills shall always be entered at the rates specified in the tender in full or in part as the case may be, in the case of any extra work ordered in pursuance of these conditions, and not mentioned or provided for in the tender, the charges in the bills shall be entered at the rates hereinafter provided for such work.

(c) Scrutiny of Bills and measurement of work

The details furnished by the Contractor in the bill should be completely scrutinized and the said work should be measured by the In-charge/Consulting Agency in the presence of the Contractor or his duly authorized agent. The countersignature of the Contractor or the said agent in the measurement book shall be sufficient proof to the correctness of the measurements, which shall be binding on the Contractor in all respects. If the Contractor does not submit the bills within the prescribed time, the Project Monitoring Committee may depute within seven days of the prescribed date, an In-charge to measure up the said work. The countersignature of the Contractor shall be obtained in the Measurement Book concerned with reference to which the Institute may prepare the bill.

(d) Filing of objections to measurement by Contractor

Before taking any measurement of any work as has been referred to in **Clause 7(c)** above the Project Monitoring Committee or a In-charge deputed by him shall give reasonable notice to the Contractor. If the Contractor fails to attend at the measurements after such notice or fails to countersign or to the difference, within a week from the date of measurement in the manner required by the Project Monitoring Committee, then in any such event, the measurements taken by the Project Monitoring Committee or In-charge deputed by him as the case may be, shall be final and binding on the Contractor and the Contractor shall have no right to dispute the same.

8. PAYMENT PROPORTIONATE TO WORK APPROVED AND PASSED.

(a) No payment shall be made for any work estimated to cost rupees five thousand or less until after the whole of the work shall have been completed and certificates of completion given. But in the case of works estimated to cost more than Rs. 5,000 the Contractor shall on submitting the bill and after due verification by the In-charge be entitled to necessary payment proportionate to the part of the work then approved and passed by The Project Monitoring Committee or other competent authority whose certificate of such approval and passing of the sum so payable shall be final and conclusive against the Contractor.

(b) **Payment at reduced rates:** The rates for several items of works agreed to shall be valid only when the items concerned are accepted as having been completed fully in accordance with the stipulated specifications. In cases where the items of work are not accepted as so completed, the Project monitoring Committee or Registrar NIPER Hyderabad or other competent authority may make payment on account of such items at such reduced rates as he may consider reasonable in the preparation of final or on account bills.

(c) Payment or intermediate certificates be regarded as advances:

All such intermediate payments shall be regarded as payments by way of advance against the final payments only and not as payments for work actually done and completed, and shall not preclude the Project Monitoring Committee or other competent authority from requiring any bad, unsound imperfect or unskillful work to be removed or taken away and reconstructed or re-erected nor shall any such payment be considered as an admission for the due performance of the Contract or any part thereof in any respect or the accruing of any claim, nor shall it conclude determine or affect in any other way the powers of the Project Monitoring Committee or other competent authority as to the final settlement and adjustment of the accounts, or otherwise or in any other way vary or affect the contract.

- (d) Submission of Final bill and its settlement :** The Contractor shall submit the final bill within one month of the date of actual completion of the work in all respects. His claims shall be settled (except those under dispute) within two months thereafter in respect of works costing up to Rs. 1 lakh and within five months thereafter in respect of works costing more than Rs. 2 lakhs.

Disputed items

Note: The Contractor shall submit a list of the disputed items within 30 days from the disallowance thereof and if he fails to do this, his claim shall be deemed to have been fully waived and absolutely extinguished.

9. Definition of Work:

(a) The expression 'Work' or 'Works' where used in these conditions, shall unless there be something in the subject or context repugnant to such construction, be construed to mean the work or works contracted to be executed under or in virtue of the contract, whether temporary or permanent and whether original, altered, substituted or additional.

(b) Work to be executed in accordance with specifications, drawings, orders etc.

The Contractor shall execute the whole and every part of the work in the most sound and substantial and workmanlike manner, and in strict accordance with the specifications both as regards materials and workmanship. The Contractor shall also conform exactly, fully and faithfully to the designs, drawings and instructions in writing relating to the work signed by the Project Monitoring Committee or other competent authority and lodged in his office and to which the Contractor shall be entitled to have access at such office, or on the site of the work for the purpose of inspection during office hours. The Contractor shall also be responsible for the delivery of structure in sound conditions and the execution of the work strictly in accordance with the specifications of the work.

The order of preference in case of any discrepancy as indicated to be read as following:

- (a) Nomenclature of item as per Bill of Quantities.
- (b) Additional specifications, particular specifications & special conditions.
- (c) General Conditions.
- (d) Tender drawings and specifications mentioned in drawings.
- (e) Tender specifications.
- (f) Indian Standard specifications of BIS.
- (g) Sound engineering practice as per directions of Project Monitoring Committee.
- (h) Manufactures specifications.

A reference made to any Indian Standard specifications in these documents reference to the latest version of that standard, including such revisions /amendments as issued by Bureau of Indian standards up to last date of receipt of tender. The Contractor shall keep at his own cost all such publications of relevant Indian Standards applicable to the work at site.

(c) Action where there is no specification

In the case of any class of work for which there is no such specification, then in such a case of the work shall be carried out in all respects in accordance with the instructions and requirements of the Project Monitoring Committee or other competent authority.

(d) Work as per Specifications and IS Codes.

The detailed specification, which forms a part of contract, accompanies the tender document. In carrying out the various items of work as described in Vol. II (General Specifications) of the tender documents and the additional, substituted, altered items of work these detailed specifications shall be strictly adhered to, supplemented by relevant provisions of the Indian standard specifications. Any work, not covered by the detailed technical specifications, shall be executed in accordance with the instructions and requirements of the engineer and the

relevant provisions of the Indian standard specifications.

10. Alteration in quantity of work, specifications and designs, additional work, deletion of work

(a) The Project Monitoring Committee shall have power to make any alterations in, omissions from additions to or substitutions for the original specification, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work. For that purpose or if for any other reason it shall in his opinion be desirable, he shall have power to order the Contractor to do and the Contractor shall do any or all the following:-

- (i) Increase or decrease the quantity of any work included in the contract.
- (ii) Omit any such work.
- (iii) Change the character or quality or kind of any such work,
- (iv) Change the dimensions of any part of the work,
- (v) Execute additional work of any kind necessary for the completion of the works and
- (vi) Change in any specified sequence, methods or timing of construction of any part of the work.

(b) Contractor bound by Project Monitoring Committee's instructions

The Contractor shall be bound to carry out the work in accordance with any instructions in this connection which may be given to him in writing signed by the Project Monitoring Committee or other competent authority and such alteration shall not in any way vitiate or invalidate the contract.

(c) Extra Items, Deviations shall be paid as under : Deviation / Deviated Quantities / Pricing

The In-Charge shall have power (i) to make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Engineer-in-Charge and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.

The time for completion of the works shall, in the event of any deviations resulting in additional cost over the tendered value sum being ordered, be extended, if requested by the contractor, as follows :

- (i) In the proportion which the additional cost of the altered, additional or substituted work, bears to the original tendered value plus
- (ii) 25% of the time calculated in (i) above or such further additional time as may be considered reasonable by the Engineer-in-Charge.

In the case of extra item(s) (items that are completely new, and are in addition to the items contained in the contract), the contractor may within fifteen days of receipt of order or occurrence of the item(s) submit market rate claim rates, supported by proper analysis which shall include invoices, vouchers etc. and Manufacturer's specification for the work failing which the rate approved later by the Engineer-in-charge shall be binding and the Engineer-in-Charge shall within prescribed time limit of the receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined, failing which it will be deemed to have been approved

Deviation, Substituted Items In the case of substituted items (items that are taken up with partial substitution or in lieu of items of work in the contract), the rate for the agreement item (to be substituted) and substituted item shall also be determined in the manner as mentioned in the following para.

(a) If the market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so increased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).

(b) If the market rate for the substituted item so determined is less than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so decreased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).

In the case of contract items, substituted items, contract cum substituted items, which exceed the limits laid down in schedule F, the contractor may within fifteen days of receipt of order or occurrence of the excess, claim revision of the rates, supported by proper analysis for the work in excess of the above mentioned limits, provided that if the rates so claimed are in excess of the rates specified in the schedule of quantities, the Engineer-in-Charge shall within prescribed time limit of receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates (as per invoice, vouchers from the manufacturers or suppliers submitted by the agency and duly verified by Engineer in Charge or his representative) and the contractor shall be paid in accordance with the rates so determined.

The prescribed time limit for finalizing rates for Extra Item(s), Substitute Item(s) and Deviated Quantities of contract items is within 45 days after submission of proposal by the contractor without observation of the Engineer-in-Charge.

The provisions of the preceding paragraph shall also apply to the decrease in the rates of items for the work in excess of the limits laid down in Schedule F, and the Engineer-in-Charge shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of the receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of fifteen days having regard to the market rates.

Any operation incidental to or necessarily has to be in contemplation of tenderer while quoting tender, or necessary for proper execution of the item included in the Schedule of quantities or in the schedule of rates mentioned above, whether or not, specifically indicated in the description of the item and the relevant specifications, shall be deemed to be included in the rates quoted by the tenderer or the rate given in the said schedule of rates, as the case may be. Nothing extra shall be admissible for such operations.

Work Shall be executed as per CPWD Special Vol-19 (Vol 1 &2) available on the website of CPWD (www.cpwd.gov.in)

11. TIME LIMITS FOR UNFORSEEN CLAIMS

Under no circumstances whatever shall the Contractor be entitled to any compensation from Institute on any account unless the Contractor shall have submitted claim in writing to the Project Monitoring Committee or other competent authority

12. ACTION AND PENALTY IN CASE OF BAD WORK

If at any time before the security deposit is refunded to the Contractor, it shall appear to the Project Monitoring Committee or other competent authority that any work has been executed with unsound, imperfect or unskillful workmanship or with materials of inferior quality, or that any materials or articles provided by him for the execution of the work are unsound or of a quality inferior to that contracted for, or are otherwise not in accordance with the contract, it shall be lawful for the Project Monitoring Committee or other competent authority to intimate this fact in writing to the Contractor and then notwithstanding the fact that the work, materials or articles complained of may have been paid for, the Contractor shall be bound forthwith to rectify, or remove and reconstruct the work so specified on whole or in part as the case may require, or if, so required shall remove the materials 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 the Project Monitoring Committee or the competent authority in the written intimation aforesaid, the Contractor shall be liable to pay a

penalty not exceeding one percent on the amount of the estimate for every day not exceeding ten days during which the failure, so continues and in the case of any such failure the Project Monitoring Committee or other competent authority may rectify or remove, and re-execute the work or remove and replace the materials or articles complained of, as the case may be at the risk and expense in all respects of the Contractor. Should the Project Monitoring Committee or other competent authority for any valid reasons consider that any such inferior work or materials as described above is to be accepted or made use of, it shall be within his discretion to accept the same at such reduced rates he may fix thereof.

13. CONTRACTOR LIABLE FOR DAMAGE DONE, AND FOR IMPERFECTIONS FOR TWELVE MONTHS AFTER CERTIFICATE OF COMPLETION

If the Contractor or his workmen shall break, deface, injure or destroy any part of a building in which they may be working, or any building, road fence, enclosure or grassland or cultivated ground contiguous to the premises on which the work or any part thereof is being executed, or if any damage shall be done to the work, while it is in progress from any cause whatever or if any imperfections become apparent in it within Twelve months of the grant of a certificate of completion, final or otherwise, by the Project Monitoring Committee or other competent authority the Contractor shall make good the same at his own expenses, or in default the Project Monitoring Committee or other competent authority may cause the same to be made good by other workmen, and deduct the expenses (of which the certificate of the Project Monitoring Committee or other competent authority shall be final) from any

sums that may be due or may thereafter become due to the Contractor, or from his Security Deposit or the proceeds of sale thereof, or of a sufficient portion thereof.

14. Work on Notified Holiday

No work shall be done on any notified holiday without the sanction in writing of the Project Monitoring Committee or other competent authority

15. SETTLEMENT OF DISPUTES -TIME LIMIT FOR DECISION

(a) If any dispute or difference of any kind whatsoever were to arise between the Project Monitoring Committee and the Contractor regarding the following matters namely,

(i) The meaning of the specifications designs, drawing and instructions herein before mentioned,

(ii) The quality of workmanship or materials used on the work and

(iii) Any other question, claim right, matter, thing whatsoever, in any way arising out of or relating to the contract, designs, drawings, specification, estimates, instructions, or orders, or those conditions, or failure to execute the same whether arising during the progress of the work, or after the completion, termination or abandonment thereof, the dispute shall, in the first place, be referred to the Director, NIPER Hyderabad. The Director, NIPER Hyderabad shall within a period of fifteen days from the date of being requested by the Contractor to do so give written notice of its decision to the Contractor.

(b) **Director's decision final.**

Subject to other form of settlement hereafter provided, the Director's decision in respect of every dispute or difference so referred shall be final and binding upon the Contractor. The said decision shall forthwith be given effect to and Contractor shall proceed with the execution of the work with all due diligence.

(c) **Remedy when Director's decision is not acceptable to Contractor**

In case the decision of the Director is not acceptable to the Contractor, he may approach the Law Court at for settlement of dispute after giving due written notice in this regard to the Director within a period of ninety days from the date of receipt of the written notice of the decision of the Director. All law suits are subjected to Hyderabad

(d) Time limit for notice to approach Court of law by Contractor

If the Director has given written notice of his decision to the Contractor and no written notice to approach the law court has been communicated to him by the Contractor within a period of ninety days from receipt of such notice, the said decision of Director shall be final and binding upon the Contractor.

(e) Time limit for notice to approach law court by Contractor when decision is not given by Director, NIPER Hyderabad as at (b).

If the Director fails to give notice of his decision within a period of ninety days from the receipt of the Contractor's request in writing for settlement of any dispute or difference as aforesaid, the Contractor may within ninety days after the expiry of the first named period of ninety days approach the Law Courts at Hyderabad giving due notice to the Director.

(f) Contractor to execute and complete work pending settlement of dispute.

Whether the claim is referred to the Director or to the Law Courts, as the case may be, the Contractor shall proceed to execute and complete the works with all due diligence pending settlement of the said dispute or differences.

(g) Obligations of The Project Monitoring Committee and Contractor shall remain unsettled during considerations of dispute.

The reference of any dispute or difference to the Director or the Law Court may proceed notwithstanding that the works shall then be or be alleged to be complete, provided always that the obligations of the Project Monitoring Committee and the Contractor shall not be altered by reason of the said dispute or difference being referred to the Director or the Law Court during the progress of the works.

16. CONTRACTOR TO PAY COMPENSATION UNDER WORKMEN'S COMPENSATION ACT. Insurance of on-site works clause to be included in an appropriate location.

(a) The Contractor shall be responsible for and shall pay any compensation to his own workmen payable under the relevant Workmen's Compensation Act for injuries caused to the workmen. If Institute pays such compensation on behalf of the Contractor, it shall be recoverable by Institute from the Contractor under the relevant clauses.

(b) Contractor to pay expenses of providing medical aid to workmen.

The Contractor shall be responsible for and shall pay the expenses of providing medical aid to any workman who may suffer a bodily injury as a result of an accident. If Institute incurs such expenses, the same shall be recoverable from the Contractor forthwith and be deducted without prejudice to any other remedy of Institute, from any amount due or that may become due to the Contractor.

17. CONTRACTOR TO PROVIDE PERSONAL SAFETY EQUIPMENT FIRST AID APPARATUS, TREATMENT

The Contractor shall provide all necessary personal safety equipment and first aid apparatus for the use of the persons employed on the site and shall maintain the same in good condition suitable for immediate use, at any time and shall comply with the following regulations in connection therewith: -

- i.** The worker will be required to use the equipment so provided by the Contractor and the Contractor shall take adequate steps to ensure proper use of the equipment by those concerned.
- ii.** Adequate provision shall be made for prompt first - aid treatment of all injuries likely to be sustained during the course of his work.

18. Minimum age of persons employed by Contractor

- (a) No Contractor shall employ any person who is under the age of 18 years.
- (b) The Contractor shall provide potable water facilities to the workers. Similar amenities shall be provided to the workers engaged on large works in urban area.
- (c) Removal of persons not satisfying conditions (a)

The Project Monitoring Committee or other authority is authorized to direct the removal or to remove through his own agency, from the work any person referred to in sub-clauses (a) above not satisfying these conditions and no responsibility shall be accepted by the Institute for any delay caused in the completion of the work by such directions for removal.

- (d) Payment of fair and reasonable wages by Contractor.

The Contractor shall pay fair and reasonable wages, which shall not be less than the minimum wages fixed by Govt. of Telangana / Central Government of India from time to time to the workmen employed by him in the contract undertaken by him. In the event of any dispute arising between the Contractor, and his workmen on the ground that the wages paid are not fair and reasonable the dispute shall be referred without delay to The Project Monitoring Committee or other competent authority, who shall decide the same.

The decision shall not in any way affect the conditions in the contract regarding the payment to be made by Institute at the agreed tender rates.

19. METHOD OF PAYMENT OF BILLS

Payment to Contractors shall be made by cheques drawn by the Institute / Bank transfer.

20. SET OFF AGAINST ANY CLAIM OF INSTITUTE

Any sum of money due and payable to the Contractor (including the security deposit refundable to him) under this contract may be appropriated by the Institute and set off against any claim of Institute in respect of a payment of a sum of money arising out of or under any other contract made by the contract with the Institute.

21. RATES INCLUSIVE OF ALL TAXES.

- (a) The rates to be quoted by the Contractor shall be inclusive of all taxes like GST etc., No extra payment on this account will be made to the Contractor.

22 Refund of Security Deposit (EMD & FSD):

The Security Deposit lodged/paid by a Contractor shall be refunded to him after all contractual obligations, after defect liability period and labour clearance from Labour Department if any.

1. DEFINITION:

In the Contract (as hereinafter defined) the following definitions words and expressions shall have the meaning hereby assigned to them except where the context otherwise required.

- (a) Institute shall mean the NIPER Hyderabad.
- (b) The In-charge, who shall administer the work, shall be nominated by the Director NIPER Hyderabad.
- (c) Accepting authority shall mean the Chairman, Building and Maintenance Committee- Director, NIPER Hyderabad or his authorized representative.

2. ASSIGNMENT & SUBLETTING:

The Contractor shall not assign the contract or any part thereof without the written consent of the Engineer in-charge. The whole of the works included in the contract shall be executed by the Contractor except where otherwise provided in the contract and he shall be responsible for the acts, defaults and neglects of sub-Contractor.

3. SCOPE OF CONTRACT:

The contract comprises the supply, Installation, completion of works within Three (3) months and maintenance of the works for Twelve months (12) months after actual date of completion and handing over to NIPER HYDERABAD. The Contractor shall carry out and complete the said work in every respect in accordance with this contract and as per the directions/ written instructions of the Engineer in-charge. These pertain to the following:

- (a) The variation or modification of the design, quality or quantity of works or the addition or omission or substitution of any work.
- (b) All materials are to be supplied as per approved shop drawings. Any excess material brought to site shall be taken back by the agency and no claim for payment of the same shall be entertained by NIPER Hyderabad
- (c) Removal and substitution of material from the site.
- (d) The dismissal from the works of any persons employed.
- (e) The opening up for inspection of any work covered up.
- (f) Any civil modifications required for installation of services (electrical, piping or exhaust system)
- (g) Amending / making good of any defects.

The Contractor shall forthwith comply with and duly execute any instructions of work in Project Monitoring Committee's instructions, provided always that the verbal instructions and explanations given to the Contractor or his representative upon the works shall, if involving a variation, be confirmed in writing by the Contractor within seven days and if not dissented in writing within a further seven days by the Project Monitoring Committee, shall be deemed to be instructions of the In-charge within the scope of the contract.

1) CONTRACT DOCUMENT:

All documents, forming the contract, are to be taken as mutually explanatory of one another and in case of ambiguities or discrepancies the same shall be explained and adjusted by the Project Monitoring Committee who shall thereupon issue to the Contractor its interpretation directing in what manner the work is to be carried out.

The successful tenderer shall be required to enter into an agreement with NIPER Hyderabad as per approved format given in the tender document. The Bill of Quantities & rates filled by the successful

tenderer, technical bid document, minutes of the pre-bid meeting, negotiation letter and the award letter shall form part of the agreement to be signed by the successful tenderer. The cost of stamp paper and stamp duty, required for the agreement, shall be borne by the Contractor.

The Contractor shall study the Tender drawings thoroughly before the commencement of work. In case of any discrepancy the Contractor shall seek clarification before proceeding with the works.

2) AS BUILT DRAWINGS:

On completion of work, the Contractor shall submit at his own cost six prints of “as built” drawings and commissioning reports along with O&M manual to the Project Monitoring Committee within 6 weeks of completion of the work.

- (a)** The drawings shall have the following information.
 - (i) Layout showing lab tables.
 - (ii) All drawings related to electrical installations.

3) The Contractor shall make recesses, holes, opening etc. as may be required, nothing extra shall be payable on this account, including finishing the same.

4) The Contractor shall be fully responsible for the safe custody of materials brought by him to site.

5) SAFETY, HEALTH AND ENVIRONMENT

(a) The Contractor(s) shall take all precautions to avoid accidents by exhibiting necessary caution boards. He shall be responsible for all damages and accidents caused to existing/new work due to negligence on his part. In case of any accident of labour / contractual staff the entire responsibility will rest on the Contractor and any compensation under such circumstances if becomes payable shall be entirely borne by the Contractor.

(b) Appropriate personnel protective equipments such as helmets, gloves, goggles, aprons, safety belts etc.. shall be provided to the workers employed at work site.

(c) All hazardous materials shall be labeled with the name of the materials, the hazards associated with its use and necessary precaution to be taken.

(d) Contractor shall ensure that during the performance of the work, all hazard to the health of personnel, have been identified, assessed and eliminated.

(e) The Contractor has to keep a record of all the workers employed at site, mark daily attendance along with the location of the work. All the labour record shall be made available for inspection and verification as and when required.

6) PROGRAMME CHART:

The Contractor shall prepare an integrated bar chart for the execution of work, showing clearly all activities from the start of work to completion, with details of manpower, material and equipment required for the fulfillment of the contract within the stipulated period or earlier and submit the same for approval within ten days of award of the contract.

The programme chart should include the following:

- (a) Descriptive note explaining sequence of the various activities.
- (b) Network (PERT / CPM / BAR CHART).
- (c) Programme for procurement of materials / equipment / labour by the Contractor.

If at any time, it appears that the actual progress of work does not conform to the approved programme referred above, the Contractor shall produce a revised programme showing the modifications to the approved programme to ensure completion of the work. The modified schedule of programme shall be approved by the Engineer in charge.

The submission for approval of such programme or the furnishing of such particulars shall not relieve the Contractor of any of the duties or responsibilities under the contract. This is without prejudice to the right of Project Monitoring Committee to take action against the Contractor as per terms and conditions of the agreement.

7) QUALITY ASSURANCE:

- (a) The Contractor shall establish, document and maintain an effective quality assurance system as outlined in the specifications and various codes and standards.
- (b) The bidder shall understand scope of the work, drawing, specifications and standards etc. attached with the tender or to be followed and shall seek clarification, if any before submission of the tender
- (c) The quality assurance system plans / procedures / method statement to be followed shall be furnished in the form of quality assurance manual. It should cover quality assurance, plan procedure, specifications, frequency of the inspection, testing, acceptance criteria, method of sampling, testing etc. to be followed for quality.
- (d) The approval of quality assurance does not absolve the Contractor of the contractual obligations towards executing the work as laid down in the specification of the work.
- (e) The Contractor shall produce quality control records in the formats approved by Engineer- in-charge in the quality assurance plan.
- (f) The Contractor shall ensure the enforcement of quality assurance plan by all his specialized agencies as approved. The Project Monitoring Committee reserves the right to inspect, witness, review any stage of the work at shop / site as deemed necessary for quality assurance and / or timely completion of work.
- (g) The Contractor shall procure required materials in advance so that there is sufficient time for testing of the materials and clearance of the same before use in the work. The Contractor shall provide at his own cost suitable measuring arrangements at site for checking the dimensions as may be necessary for execution of work.

8) TESTING OF MATERIALS

All the required tests as per Technical Specification should be conducted at the cost of the Contractor, unless specifically mentioned otherwise. All materials which are to be tested at the manufacturer's works shall satisfactorily pass the tests in the presence of the authorized representative of NIPER HYDERABAD before being used in the work. In case all requisite testing facilities are not available at the manufacturer's premises, such testing shall be conducted at approved laboratory. The charges for such testing shall be borne by the Contractor.

9) WARRANTIES AND GUARANTEES:

The following Warranty will form part of the contract placed on the successful Bidder: -

- (a) Except as otherwise provided, the Contractor hereby declares that the services, stores articles sold / supplied to NIPER HYDERABAD under this contract shall be of the best quality and workmanship and new in all respects and shall be strictly in accordance with the specification and particulars contained/mentioned in contract. The Contractor hereby ensures Guarantee that the said service/goods would continue to conform to the description and quality aforesaid for a period of 36 months from the date of handing over of the said services/goods to the Project Monitoring Committee, if during the aforesaid period of 36 months the said services/stores be discovered not to conform to the description and quality aforesaid not giving satisfactory performance or have deteriorated, and the decision of the Project Monitoring Committee in that behalf, shall be final and binding on the CONTRACTOR and the Project Monitoring Committee shall be entitled to call upon the CONTRACTOR to rectify the services/stores or

such portion thereof as is found to be defective by the Project Monitoring committee within 36 months, or such specified period as may be allowed by the Project Monitoring Committee in his discretion on application made thereof by the CONTRACTOR, and in such an event, the above period shall apply to the services/stores rectified from the date of rectification mentioned in warranty thereof, otherwise the Contractor shall pay to the Project Monitoring Committee such compensation as may arise by reason of the breach of the warranty therein contained.

(b) Project Monitoring Committee reserves the right to declare any defect/short comings as critical to the extent that Contractor will replace the item rather than rectifying

10) MATERIALS AND WORKMANSHIP Unless some special Warranty/Guarantee clause has been stipulated elsewhere in the invitation to the tender or any its annexure, the following warranty shall form part of the contract placed on successful tender: -

(a) Contractor shall fully warrant that all the equipment and components supplied under the order shall be new and of first quality according to the specifications and shall be free from defects (even concealed fault, deficiency in design, materials and workmanship).

(b) Should any defects be noticed in design, material and/or workmanship within 36 months from the date of shipment/dispatch of last consignment or 36 months from the date of commissioning and handing over of the equipment whichever is later, NIPER Hyderabad shall inform Contractor and Contractor shall immediately on receipt of such intimation, depute their personnel as soon as practicable but use reasonable efforts to commence such work in no event later than 7 days to investigate the causes of defects and arrange rectification /replacement/modification of the defective equipment at site without any cost to NIPER Hyderabad within a reasonable period. If the Contractor fails to take proper corrective action to repair/replace the defects satisfactorily within a reasonable period, this Organisation shall be free to take such corrective action as may be deemed necessary at Contractor risk and cost after giving notice to the Contractor.

(c) If in an emergency warranty service situation exists, the Contractor and NIPER Hyderabad determines On-site Technical assistance is necessary, the Contractor shall dispatch emergency service personnel to the site to attend to the problem and rectify the defect as promptly as practicable. The Contractor shall maintain a Technical assistance centre and shall have technical support available to NIPER Hyderabad in accordance with the requirement.

(d) If the Contractor subcontracts any part of the system or any of the services to a Third party the Contractor is still liable for the Warranty /guarantee of the equipment/services so subcontracted as per the above clauses.

(e) Damage to the machinery and/or equipment due to incomplete and erroneous instructions issued by Contractor will be responsibility of the Contractor and will be treated according to the provisions of Warranty clause. Normal wear and tear shall not come under purview of this clause.

(f) In case defects are of such nature that equipment shall have to be taken to Contractor works for rectification etc. Contractor shall take the equipment at his cost after giving necessary undertaking or security as may be required by Project Monitoring committee.

(g) Equipment or spare parts thereof replaced shall have further warranty for a period of 36 months from the date of putting into beneficial use.

(h) The Contractor shall guarantee that they will supply spare parts if and when required on agreed price. The agreed price should include but without any limitation to agreed discount on the published

catalogue price or on agreed percentage or profit on the landed cost.

(i) The Contractor will Warranty that before going out of production for any of spare parts, they will give adequate advance notice to the purchaser so that the latter may undertake to procure, if necessary, the balance of the life time requirements.

(j) If the repairs, replacement or modification referred are of such nature as may affect the efficiency of the equipment NIPER Hyderabad shall have the right to give to the Contractor within one month of such replacement/renewal notice in writing to carry out test as may be required for acceptance of the equipment.

(k) If the Contractor fails to honour his obligation to repair or replace defective goods/services within a reasonable period of time, or if Contractor refuses to carry out work under the guarantee clause and implied guarantee condition, if danger is anticipated or in case of severe urgency, NIPER Hyderabad shall be entitled to carry out, at Contractor cost and risk, repair work or replacement deliveries or have it done by a third party. In case not all goods /services have been delivered by supplier, this Organisation is entitled to procure the remaining goods/services at Contractor cost and risk. This does not relieve Contractor of any of his guarantee obligations. Taxes and duties of any kind whatever imposed by the authorities of the country of the Contractor or his sub-Contractors until delivery shall be borne by Contractor.

11) PERFORMANCE GUARANTEE:

Contractor shall guarantee that the performance of the EQUIPMENT/MATERIAL supplied under the order shall be strictly in conformity with specification and shall perform the duties specified under the ORDER.

REJECTION If the ORGANISATION finds that the goods supplied are not in accordance with the specification and other condition stated in the order or its sample(s) are received in damaged conditions (of which matters NIPER Hyderabad will be the sole judge), NIPER Hyderabad shall be entitled to reject the whole of the goods or the part, as the case may be and intimate to the Contractor the rejection without prejudice to other rights and remedies to recover from the Contractor any loss which it may be put to, also reserving the right to forfeit the security deposit/performance bond if any made for the due fulfilment of the contract. The goods shall be removed by the Contractor and if not removed within 7 days of the date of communication of the rejection NIPER Hyderabad will be entitled to dispose-off the same on account and at the risk of the Contractor and after recovering the storage charges at the rate of 5% of the value of goods of each month or part of month and loss and expense if any caused to NIPER Hyderabad and pay balance to the Contractor.

12) INSPECTION/TESTING OF MATERIAL The inspection of stores/services/works will be carried out by the authority specified in the purchase order. The stores/works will be accepted only after the same has been found satisfactory after inspections and duly marked and sealed by the inspection authority.

The Contractor shall ensure that the stores/services/works to be delivered against this order shall be individually inspected, tested and analyzed in terms of the specifications attached to the tender and the relevant codes and practices specified therein by expression or implication. Necessary test reports shall be provided as required.

The Contractor should make available to NIPER Hyderabad and any other individual/ agency authorised by them for the purpose of inspection all its record and results in respect of inspection, test and analysis conducted by it as part of their manufacturing and testing operation under the applicable codes and practices specified by expression or implication in the tender.

Inspection tests and analysis shall be carried out/conducted at the Contractor works by the authorised

representative of NIPER Hyderabad and the cost of such inspection tests and analysis including the cost of to and fro fare and accommodation and cash allowances payable shall be borne by NIPER Hyderabad.

The Contractor shall provide and deliver free of charge for tests/analysis by an independent authority at any such place or places as NIPER Hyderabad or its authorised inspector may reasonably require, such raw material(s) used or intended to be used for the contracted work by the Contractor as the Organisation/Inspector shall consider necessary. The cost of such tests/analysis shall be borne by the Contractor.

NIPER Hyderabad shall be entitled at all times, whether prior to, during or after the completion or inspection by itself and/or through inspectors appointed by the Organisation at the Organisation's cost, to inspect, test and/or analyse and/or to direct the Contractor in all respect of any store(s) or materials processes used or proposed to be used in the fabrication of the product of any of them. The said inspection, tests and analysis as far as required, is to be conducted in the presence of the inspectors. The Contractor shall ensure that the inspecting personnel referred to above are given free access to all the required places and information connected with their work, besides working facilities to carry out their function.

Should the Contractor fail to comply with any of the provisions aforesaid relating to inspection, testing and analysis, NIPER Hyderabad shall be entitled by itself and/or through inspectors to conduct or have conducted the inspection, test and/or analysis at the risk and expense of the Contractor in all respects.

For false calls for the cases where material is rejected on inspection, the Contractor will bear the actual cost of inspection incurred/suffered by the Organisation.

No rejected raw materials shall be used for the contracted work or re-tendered for inspection and/or test except with the prior permission of concerned Inspectors.

Unless otherwise specifically authorized by Project Monitoring Committee in writing, the Contractor shall not ship or dispatch for shipment under the contract entered into, any material which has not been properly inspected/tested marked and in respect of which a certificate of quality has not been issued or signed by the inspectors.

In addition to the general conditions of the inspection stated above, the Contractor shall also satisfy all the specific conditions of inspection as enumerated in the specification attached.

13) SUB-STANDARD MATERIAL/REPLACEMENT OF REJECTED GOODS

If the Project Monitoring Committee finds that STORES/MATERIAL supplied/SITC/SETC executed are not of the correct quality or not according to specification required or otherwise not satisfactory owing to any reason of which the Organisation will be the sole judge, the Organisation will be entitled to reject materials/works, cancel the contract and buy its requirement of the Stores/SITC/SETC in the open market at the risk and cost of Contractor, reserving always to itself the right to forfeit the security deposit/performance bonds placed by the supplier for the due fulfillment of the contract. Rejected goods should be removed and replaced within 14 days of the date of communication of rejection.

16. The installation of fume hoods, exhaust system and other allied works are to be examined by the respective heads of the department before considering releasing / measuring the work done by the agency as per Gol procedure.

SECTION - 10

INTEGRITY PACT

General

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on day of the month of 2022, between, on one hand, the Registrar, National Institute of Pharmaceutical Education & Research Hyderabad.

(hereinafter called the “BUYER”, which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/s..... represented by Shri, Designation (hereinafter called the “BIDDER”/SELLER” which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the BUYER proposes to enter into a (Name of the Stores/Equipment/Item) and the BIDDER/SELLER is willing to offer /has offered Stores/Equipment/Item and

WHEREAS the BIDDER is a private company/public company/Government undertaking/partnership/registered export agency, constituted in accordance with the relevant law in the matter and the BUYER is a Autonomous Institute under Ministry of Human Resource and Development (MHRD) performing its functions on behalf of the President of India.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:-

Enabling the BUYER to obtain the desired said stores/equipment at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the BUYER will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this integrity Pact and agree as follows: 1. Commitments of the

BUYER:

The BUYER undertakes that no official of the BUYER connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process, bid evaluation, contracting or implementation process related to the contract.

The BUYER will, during the pre-contract stage, treat all BIDDERS alike, and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS.

All the officials of the BUYER will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2. In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the BUYER with full and verifiable facts and the same is prima facie found to be corrected by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

Commitments of BIDDERS

3. The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:-

The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract with the Government.

BIDDERS shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.

BIDDERS shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.

The BIDDER further confirms and declares to the BUYER that the BIDDER is the original manufacturer/integrator/authorized dealer of the stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BUYER or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers, or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the BUYER, or alternatively, if any relative of an officer of the BUYER has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender. The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act 1956.

3.13. The BUYER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BUYER.

4. Previous Transgression

The BIDDER declares that no previous transgression occurred in the last Three years immediately before signing of this integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the tender process.

The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

5. Earnest Money and Performance Security

While submitting Bid, the BIDDER shall deposit an amount Rs. 39,570/- (Rs. Thirty Nine Thousand Five Hundred Seventy only) as Earnest Money/Bid Security, with the BUYER through Bank DD payment.

The Bidder will submit a performance security through RTGS / NEFT / Bank Guarantee in form of 10% of the total purchase order value as per letter of intent / purchase order within two weeks of the date of purchase order.

In case of the successful BIDDER a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

No interest shall be payable by the BUYER to the BIDDER on Earnest Money/Security Deposit for the period of its currency.

6. Sanctions for Violations:

Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all or any one of the following actions, wherever required:

(i) To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.

(ii) The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit/Performance Bond (after the contract is signed) shall stand forfeited fully, as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.

- (iii) To immediately cancel the contract, if already signed. Without giving any compensation to the BIDDER.
- (iv) To recover all sums already paid by the BUYER, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.
- (v) To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the BUYER, along with interest.
- (vi) To cancel all or any other contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.
- (vii) To debar the BIDDER from participating in future bidding processes of the Government of India for a minimum period of five years, which may be further extended at the discretion of the BUYER.
- (viii) To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
- (ix) In cases where irrevocable Letter of Credit (if any) have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.
- (x) Forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

The BUYER will be entitled to take all or any of the actions mentioned at para 6.1(i) to (x) of this Pact also on the Commission by the BIDDER or any one employed by it or action on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal Code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

The decision of the BUYER to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent Monitor(s) appointed for the purposes of this Pact.

7. Fall Clause

The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found at any stage that similar product/systems or sub systems was supplied by the BIDDER to any other Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BUYER, if the contract has already been concluded.

8. Independent External Monitor:

The BUYER has appointed Mr. _____ as Independent External Monitor (hereinafter referred to as Monitor) for this Pact. His email address is _____, Phone number + _____.

The task of the Monitor shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

The Monitor shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.

Both the parties accept that the Monitor has the right to access all the documents relating to the project/procurement, including minutes of meetings.

As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BUYER.

The BIDDER(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the BUYER including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/Subcontractor(s) with confidentiality.

The BUYER will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.

9. Facilitation of Investigation:

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

10. Law and Place of Jurisdiction:

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the BUYER.

11. Other Legal Actions:

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

12. Bid Validity: 180 days from actual date of the opening of the technical bid on CPPP.

The validity of this Integrity Pact shall be from date of its signing and extend upto 5 years or the complete execution of the contract to the satisfaction of both the BUYER, and the BIDDER/SELLER, including warranty period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract.

Should one or several provisions of this Pact turn out to be invalid: the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

13. The parties hereby sign this Integrity Pact at on

BUYER
Name of the Officer
Designation
Witness:

BIDDER
Designation
Registrar Department/Ministry/PSU NIPER Hyderabad
Witness

1.....

1.....

- Provisions of these clauses could need to be amended/deleted in line with the policy of the BUYER in regard to involvement of Indian agents of foreign suppliers.

GENERAL TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS

MODULAR LAB FURNITURE & ALLIED WORKS

GENERAL SCOPE OF WORK:

1. The supplier shall furnish all cabinets and casework, including tops, ledges "PEDESTAL" type assemblies complete with knee space panels, filler panels etc., as per the Tender Bill of Quantities & drawings including delivery to the building, set in place, properly leveled and handing over with documentation after commissioning.
2. The supplier shall furnish and deliver all utility service outlet accessory fittings as mounted on the laboratory furniture like electrical sockets, switches, identified on drawings & as listed in the Tender Bill of quantities.
3. The supplier shall furnish and deliver all laboratory sinks, cup sinks, drains, drain troughs, overflows and sink outlets with integral tailpieces, which occur above the floor, and where these items are part of the equipment. All tailpieces shall be furnished with the couplings required to connect them to the drain piping system.
4. The supplier shall furnish service strip supports where specified, setting in place service tunnels, service turrets, supporting structures and reagent racks of the type shown on the drawings.
5. All various equipment fittings, assemblies, accessories, hardware, foundation bolts, supports, terminal lugs for electrical connections, cable glands, junction boxes and other sundry items for proper assembly and installation of various equipment and components of the work shall be deemed to be included in the tender, irrespective of the fact whether such items are specifically mentioned in the tender or not.
6. The supplier shall remove all debris, dirt and rubbish accumulated as a result of the installation of the laboratory furniture to an onsite container, leaving the premises broom clean and orderly.
7. After award of work, bidder has to integrate all the components of the work in consultation with NIPER i.e. (Lab furniture integration with Electrical and all other services included in the BOQ with the help of respective specialised agencies), prepare shop drawings and get it approved from Engineer in charge before taking up the production/placing order for supply, checking/ensure the efficiency of the overall design and get it vetted from the NIPER.
8. Submit five sets hard copies along with the soft copy of Lab wise and complete master plan of as built drawings of all the components.
9. Quoted rates shall includes the cost of all the components specified in the specifications, all necessary tests in the factory and the tests conducted after receipt of materials at site in approved testing labs, performance tests, all taxes as per bid document, all minor accessories not specified in the BOQ item but necessary/ required to make the component operational /functional. Clarification if any can be asked during the pre bid meeting.

GENERAL SPECIFICATION FOR LAB FURNITURE

- **Under Bench PEDESTAL mounted cabinets & Sink Base Unit**

PEDESTAL mounted cabinets & Sink Base Unit should be flush face construction with doors in the same plane as the cabinet face frame, without overlap.

All cabinets shall be flush front construction with intersection of all surfaces in same plane without overlap. Structure as described above with the following specification The underbench unit shall be produced as a supporting element.

The plinth is firmly connected to the underbench unit. It shall be completely produced of an at least 16 mm thick laminated veneer according to DIN EN 315 with gluing in moisture zone 2 according to DIN EN 636. It is covered with a water-tight and joint less plastic foil on one side. For reasons of flexibility the plinths shall be executed as individual plinths in case of carcasses standing next to each other.

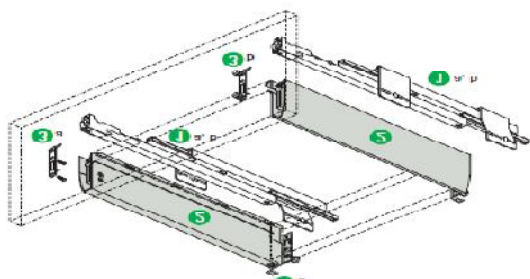
1. The cabinets shall be designed as plinth based units, so to be kept as a base below the worktop; to create a workbench. Side walls of Underbench unit are made of a melamine resin flat pressed particle board, which is plastic-coated edges on both sides, 19 mm thick, in accordance with DIN 68765 (abrasion resistance S, coating grade 2 – coating greater than 0.14 mm – emission rating E1). The cabinets shall have 100mm plinth on base and worktop should be resting directly on the cabinet. The leading edges of the carcass, the edges of the fronts and the leading edges of the shelves are designed with an edge in rounded PolyPropylene (thickness 2-3 mm). All other edges including the raised floors have approx. 0.4 mm thick PP thin tape edge.
2. The carcass height of the under bench units must be 870mm, included maximum of 100-110mm plinth height from the level flooring.
3. The load capacity of every shelf / drawer is, at least, 30kg.

CONSTRUCTION OF CABINETS Underbench**Cabinets**

1. Cabinet should be closed at four sides of PLAM laminate with removable back panel. Side walls of Underbench unit are made of a melamine resin flat pressed particle board, which is plastic-coated edges on both sides, 19 mm thick, in accordance with DIN 68765 (abrasion resistance S, coating grade 2 – coating greater than 0.14 mm – emission rating E1). The leading edges of the carcass, the edges of the fronts and the leading edges of the shelves are designed with an edge in rounded PolyPropylene (thickness 2-3 mm). All other edges including the raised floors have approx. 0.4 mm thick PP thin tape edge.
Exterior and interior cabinet walls have smooth & finished surfaces, of chemical resistance laminates. Under bench cabinet sides have spar edges in the front area to accommodate door hinges or drawer guides. The sides have holes to accommodate shelving supports.
2. Case openings can be rabbetted on all four sides for both hinged doors and drawers type construction, to provide a dust resistant case.
3. All cabinets shall have a cleanable smooth interior of laminate finish. Bottom edges shall be formed down on sides and back to create easily cleanable corners with no burrs or sharp edges, and front edge shall be offset to create a seamless drawer and door recess rabbet for dust stop.
4. Adjustable shelves shall be formed down 3/4", returned back 7/8" and up 1/4" into a channel formation front and rear; formed down 3/4" at each end, shelves over 42" long shall be further reinforced with a channel.
5. Drawer bodies shall be made in one or two piece construction including the bottom, two sides, back

and front. They shall be fully covered at interior bottom on all four sides for easy cleaning. The top front of the inner drawer body shall be offset to interlock with the channel formation in drawer head providing a 3/4" thick drawer head.

6. The depth of the drawer shall be fitted to that of the under bench unit in a way that there is no dead spot between the drawer end and the ulterior rear wall under bench unit. Under bench units in front of the shut-off valves should be labeled with emblems in accordance with the services that are available there.
7. Drawer suspension shall be full extension ball bearing drawer slides cushioned in and out tops and positive drawer hold-in detent. Loading capacity of 30 kgs. And drawer to have soft closure arrangement by air suspension.
8. Doors shall be readily removable and hinges easily replaceable. Hinges shall be applied to the cabinet and door with screws. Hinges to be openable upto 270deg. Welding of hinges to either cabinet or door will not be acceptable.
9. Shelves must be locked to clip from the top and shelves position should not be lifted while removing bottles from below.



Hardware and trim

1. Door Pulls

- Pull shall be aluminum, with clear, lacquer finish or U-shape stainless steel brush finish. Use of plastic pulls (molded or extruded), or a design not compatible for usage by the handicapped will not be acceptable.
- Handle shells, universal handle guide rails etc are not allowed due to sanitary reasons.

2. Hinges

- Hinges shall be made of Aluminum die cast with 270 deg openable door with 3D adjustments and integrated spring loaded latch. Hinges shall be attached to both door and case with two screws through each leaf. Welding of hinges to door or case will not be accepted.
- In the case of cabinet doors higher than 1000mm, a minimum of 3 hinges should be inserted. The door hinges obtain a special powder coating to prevent of corrosion.

3. Drawer Channels

Channel of drawer shall be full extension with ball bearing drawer slides cushioned in and out tops and positive drawer hold-in detent with soft closure arrangement by air suspension . Loading bearing capacity not less than 30 kgs.

Floor Mounted Under bench units in CRCA Steel / GI :

Construction of Sides walls of min. 1.2mm thick but the top is double-walled with filling material for sound-absorbing, for working height 750 and 900 mm, hinged doors with 270' hinges with 3D Adjustments, drawers fully extensible open at the top, rear wall panel can be removed

Shelf height-adjustable 4 height-adjustable feet Soft stop for drawers

Plinth: Basement Plinth will be a fully integrated part of the cabinet. The color of the plinth will be same as the body, that is RAL9010 semi glossy with 4 wear-resistant levelers to compensate floor irregularities

Load bearing capacity: 40 kg per shelf/drawer

Epoxy-polyester with 70micron +/- 20% thickness

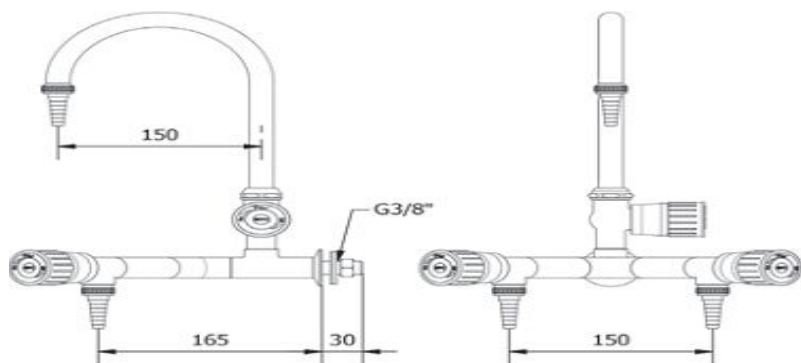
Doors should be double-walled with filling material (for sound-absorbing) made of steel sheet min. 0.8 mm, concealed hinges, opening at least up to 270°, with recovery spring mechanism, Rubber dampers for soft closing

Drawers to be made of double-walled drawer with filling material (for sound-absorbing) steel sheet min. 0.8 mm full extension slides with integrated automatic synchronized closure system (change-pull-out catch) and air cushioning softclose-system.

Sink Cabinets & accessories in Mild steel:

Sink Unit Cabinets should be closed from 3 sides Construction of Carcass should be single-walled min. 1,0 mm thick but the top is double-walled with filling material for sound-absorbing, for working height 750 and 900 mm with hinged doors of 270° hinges with 3D adjustments. Poly Propylene Sinks shall be moulded carefully compounded or selected materials to provide maximum physical and chemical properties. Sinks shall be non-glaring with all inside corners coved and the bottom pitched to the drain outlet. Sinks shall possess a high resistance to mechanical and thermal shock. All sinks to be supplied with a bottle trap and to be connected to the nearest drain point within the bench. One hand eye shower for bench incorporation for one eye consisting of - eye shower with rubber eye protection water outlet via spraying head - pressure hose 1500 mm, with hose connection of 3/8" connection from Broen or equivalent imported make. Peg board containing 1 x draining board consisting of 2 x draining panels 300 x 360 mm with 9 PP draining rods 2 x draining grooves. Splash protection, glass, fixed to service duct of size 740 x 486 mm

Water Tap:



3 Way Wall Mounted Fittings with Swivelling GOOSENECK Spout

Wall mounted Water Tap shall be made up of PP Handle & Brass with surface protected by Epoxy Powder Coating RAL 7035 having male connection thread G3/8" & G1/2". Waterflow capacity of around 30 l/mn at 3 bar pressure & working temperature range of 0 70°C with test pressure 9 bars & max working pressure of 10 bar.

Worktop

“ 20 ± 2 mm Jet Black Granite surface to be considered for Workbenches as well as Fume Hoods.

The bottom of the worktop should have a V-groove throughout the length of the exposed edges to protect the cabinets from coming in contact with the spillages. The Fume-Hoods & Sink worktops should have raised edges

Sinks:

- Sinks: Should be made up of Single moulded PP sink, rectangular without border, having good resistance to organic solvents. Overall size (L x W x D) vary as per the BOQ.

Pegboard:

- Single faced Poly Propylene pegboard having a tray hole for water drainage and detachable pegs. The essence is made up of whereas the pegs are made up of polypropylene and are adjustable with a equivalent distance between each peg (L x W is 600 x 450).

Bench Mounted/Suspended Laboratory Fittings

The laboratory fitting manufacturer shall be certified to **ISO 9001 / EN 29001 / BS 5750 Part 1**, or equivalent.

The manufacturer should guarantee the availability of spare parts and replacement products for a period of minimum 10 years.

All external surfaces of the fittings shall be surface treated with a chemical resistant **polyester powder coating** that shall be highly resistant to most chemicals and provides excellent light fastness. Minimum thickness of coating shall be **50µm**.

The fittings should be delivered with an "easy-to-mount" inlet connection, where it is possible to connect hoses, Cu-, SS-, or PEX pipes directly into the inlet of the valve, depending on the applications.

The fittings should be delivered with **color and media indication in accordance with EN 13792:2002**.

Every fitting should be **leak-tested** before leaving the factory. Certificate of leak testing of each fitting to be provided.

Laboratory fittings must be supplied with an **integrated service ball** valve to provide the features Pre-setting of media flow, Local shut-off for maintenance purpose & Safety lock

Laboratory Fittings for Water

The fittings must be supplied with a 2x360° open/close function rubber headwork for fine regulation. The sealing must be made of EPDM and the lubrication must be silicone-based. The fittings should be capable of operating at **maximum operating pressure of 10 bar (145 psi)**.

The water fittings should be delivered with a flange and anti-rotational safety pins in order to keep the fitting fully locked in its position and to prevent unintentional turning that would result in leaks.

The handles of the valve must be mounted with **"zero gap"** on the spindle of the headwork. The handle should be made of polypropylene and the handle must have a clear closing/opening indication.

The fittings must be equipped with a hose nozzle according to DIN 12898. Depending on user requirement and preferences, the hose nozzle be made of polypropylene or powder coated brass and can be either fixed or removable type.

ELECTRICAL RACEWAYS SWITCHES, SOCKETS AND ACCESSORIES:

The duct for "in screed" system shall be of "GI" in combination of single, double or triple runs in compliance with the relevant sections of standard EN 50085 & DIN VDE 0634. The under floor GI ducts shall be of trapezoidal shape in one form for better load withstanding capacity. The PVC under floor ducts shall have to be provided with required rigidity with a standard loading capacity of 750N according to VDE 0634 (before screed laying) and shall prevent the seepage of concrete and screed water. The single UPVC ducts shall have dimension of 90 x 35 mm / 60 x 25mm and standard length of the duct shall be of 3 meter. Single, double or triple runs of ducts need to be used to accommodate different types of cables - Power, Data & Telecommunication. Coupler shall be used to connect the standard lengths of the ducts in

screed covered system. Single or multiple runs of GI ducts need to be secured to the structural slab by means of fastening clamps.

Junction and service outlet base boxes should have knock outs for either single or multiple duct entry of size 90mm width and 35mm height, 60mm width and 25mm height respectively in all the four sides for quick and easy installation.

Service outlet trap and frames need to be hinged and shall be easily removable for installation / wiring of sockets and reversible to facilitate connection to floor box from either side. Color of carpet protection frame shall be Grey or Graphite black to match with the final floor finish unless otherwise specified.

The service outlet trap and frames shall be fitted with Polyamide cord cap with locking mechanism to facilitate wire (Power / Data and Voice) exit from floor into the equipment. The service outlets need to be supplied with cable retainers to guide the wires smooth from the cord outlets.

The service outlets need to be fitted with ladder assembly to facilitate the raising or lowering of the accessory plates in steps of 5 mm to a total of 20 mm irrespective of the height of the floor box. Mounting supports need to be supplied suitable for the ladder mechanism for mounting of accessory plates complete with dividers for segregation of Power, Voice and Data services. The Polyamide trap and frames for Junctions and Service outlets need to be embossed product logo and need to be with VDE and CE marked for the necessary compliance.

Installation:

Under floor trunking system shall be installed strictly as per manufacturer's instructions and to a level of workmanship to ensure that all the under floor boxes are consistently in level with the screed in line with the final finish floor level. Contractor has to ensure that any part of the boxes is not detected below and or above the final finish floor level. Failure to comply in this respect, the affected boxes shall be re-installed by the contractor, as required by the engineer.

Cross-over bridges shall be installed at the junctions as required, to ensure that adequate separation of power, data and telecommunication cables are maintained. Equipotential earth bonding shall be carried out as per manufacturer's recommendations.

General Requirements power sockets:

All sockets, 16A ratings, shall be of modular type, flush mounting type with control switches of piano- key type design of the same rating as that of the sockets. All sockets outlet shall be of 3 pin / 5pin type. The socket shall be of high-quality polycarbonate with pins made of brass alloy and plated with a noble metal. Sockets shall be provided with PVC surface outlet plates with round corners and beveled edges. All the sockets shall be provided with plug tops of approved quality and design.

Installation of switches, sockets & accessories:

All the switches shall be wired on phases. Connections shall be made only after testing the wires for continuity, cross phase etc., with the help of a megger. Switches, sockets fan regulators etc., shall be housed in proper GI factory boxes. The arrangement of switches and sockets shall be neat and systematic. Covers for enclosure shall be moulded accommodating switches, sockets etc., Outlets shall be terminated into a ceiling rose for fan points. For wall plug sockets, the conductor may be terminated directly into the switches and sockets. The outlets, point control boxes etc. shall be set out as shown on the drawings. Before fixing these, the contractor shall obtain clearance from the Architect / consultant / project manager with regard to their proper locations. The enclosure of sockets and 3rd pin of the sockets shall be connected to the ground through a proper size earth continuity wires.

SUPPLIER CONFIRMATION FOR LABORATORY FURNITURE WITH REFERENCE TO TENDER TECHNICAL SPECIFICATIONS

SL NO	DESCRIPTION	Requirements	VENDOR CONFIRMATION (Supporting documents shall be provided)
B	LAB FURNITURE & ACCESSORIES		
1	MATERIAL OF CONSTRUCTION	20mm thick Granite (Jet Black) & 1.2mm thick epoxy powder coated CRCA / GI sheet for metal furniture.	
2	POWDER SPECIFICATION	Pure epoxy and water soluble in nature	
3	POWDER COATING THICKNESS	70-80 microns	
4	CABINET TYPE	plinth mounted	
5	SIDE WALLS (SINGLE SKIN / DOUBLE SKIN)	20 mm thick high press laminate all sides & double skin type 1.2mm thick for powder coated steel furniture.	
6	TYPE OF JOINTS (RIVITED / WELDED)	Welded / Rivited joints	
7	HINGE TYPE & OPENING ANGLE	Aluminium die cast with 270 deg openable door and integrated spring loaded latch integrated to cabinet body and door.	
8	DRAWER RAILS OPERATION (AIR SUSPENSION / STANDARD)	full extension with ball bearing drawer slides cushioned in air with soft closing mechanism	
9	DRAWER OPENING (FULL / HALF)	Full 'DRAW OUT' in ball bearing mechanism	
10	LOAD CAPACITY OF DRAWER	Load bearig capacity shall be 30 kg's	
11	WORKTOP MOC WITH THICKNESS	20mm thick jet black granite with edge polish and 3mm V-groove till the length of granite	
12	WORKTOP EDGE FINISH / THICKNESS	All worktop shall be edge polished	
13	LOAD CAPACITY OF SHELVES	30 KG	
14	D-HANDLE CONSTRUCTION	Anodized Aluminium Die-cast handles	
15	SERVICES SYSTEMS WALL / CEILING/ FLOOR	Ceiling	
16	SINK MOC (PP / EPOXY / CERAMIC / STAINLESS STEEL) & THICKNESS	10mm thick Polypropylene	
17	CABINETS TESTING STANDARDS	EN 14175/SEFA 8	
18	UTILITIES VALVES MOC / MAKE	Brass fittings with Polyureathene coating	
19	FACILITY & PROCESS CERTIFICATION / ISO	DIN EN ISO 9001:2000 & DIN EN ISO 14001:1996	
20	PLANNING, PRODUCTION & DISTRIBUTION CERTIFICATION / OSHAS	OHSAS 18001:1999	
21	SAFETY CABINETS WITH CERTIFICATION AND FIRE RATING	Compliant with EN 14470-1 , Type-90 (90 mins fire retardant)	
22	COUNTRY OF ORIGIN	Vendor to confirm Manufacturer shall have well established production facility with ISO Certifications.	

SPECIAL CONDITIONS FOR FURNITURE COMPONENTS

1. The applicant should either himself meet the eligibility conditions for the respective furniture components or otherwise he will have to associate with agencies, fulfilling the eligibility requirements and hence consent letter from at least one eligible asocial agency of the respective component of work shall also be submitted as per attached proforma as per **Form P** before taking up the respective work.

In case the main contractor is himself eligible (As per eligibility criteria) for executing any specific component and intends doing the job himself, he may not be required to associate with another agency for that component of work. In such cases the main contractor also has to submit the documents as per eligibility criteria mentioned for associated agency of individual components.

However, the civil contractor shall also be eligible to carry out himself any or all these works without associating any specialized agency provided :-

(a) He fulfils the prescribed eligibility criteria respectively for these work(s)

Or

(b) He directly procures the furniture of approved make as per NIT conditions from manufacturer / supplier installed from authorised agency / service provider of the manufacturer / specialized agency, all as per the eligibility criteria mentioned in NIT.

2. The main tenderer has to submit the following documents for association of contractor within one Week of award of work.

(i) In support of the eligibility conditions of the proposed Associated Contractor, copy of their registration documents,, GST documents duly attested by the applicants (Main contractor) shall be submitted to the NIPER Hyderabad for deciding the eligibility. Each such Associated Contractor will certify that they are not debarred as on the day of application for sale of tender. Proposal for associating agency for furniture components of work shall be submitted in Form N of this tender document from each associate independently for furniture component.

(ii) The main contractor will submit an affidavit of MoU signed with eligible associated contractor. The MoU in the enclosed Form Q shall be signed by both the parties main contractor ie. As 1st party and associated contractor as 2nd party.

3. In the event of the concerned furniture agency not performing satisfactorily or failure of associate contractor to complete work, the main contractor on written directions of the NIPER, shall remove the Associate contractor deployed on the work and shall submit name of new associate who fulfil the conditions mentioned in NIT to execute the left over work without any loss of time or variation in cost to the NIPER Hyderabad. Such associates shall also give an undertaking along with the main tenderer that both of them together will stand guarantee for the furniture already supplied for which payment has been released by the department in part or full. If any equipment supplied for the work during the currency of the earlier Associate contractor and paid partly by the department, becomes redundant / not in a position to be installed and commissioned and put to beneficial use due to change in agency for execution.

COCONSENT LETTER FROM ELIGIBLE ASSOCIATE AGENCY FOR FURNITURE WORKS

Name of work _____

I,/ We hereby give my consent to associate with M/s for reexecuting the furniture work at NIPER Hyderabad.

1. I / We will execute the work as per specifications and conditions of the agreement and as per directions of NIPER Hyderabad for corresponding furniture work till the completion of the work.

2. I / We will be responsible for necessary action to handover the installations and for rectification of defects and repair during the maintenance / warranty period.

3. Also, I / We will employ full time technically qualified supervisor / Engineer for the furniture component of the work as required for the work. I / We will attend inspection of officers of the department as and when required.

Date :

Signature with date of Main Contractor

Signature with date of Associate contractor

Address

Address

Witness :

Witness :

**PROPOSAL FOR ELIGIBLE ASSORTING AGENCIES FOR
FURNITURE COMPONENTS OF WORK**

Sl. No.	Name of Associated Contractor	Category and Class of Registration	Enlistment copy / completion Certificates attached	Monetary limit of work	Validity of registration	Consent letter attached (Yes / No)

CHECK LIST FOR CONTRACTORS FOR SUBMISSION OF BIDS

1. The bidder should read all the instructions, terms & Conditions, contract clauses, nomenclature of items, specifications etc. contained in the tender documents very carefully, before quoting the rates.
2. The bidder shall quote the rate for complete scope of work in the financial bid in both words and figures.
3. The bidder shall quote his rates keeping in mind the Scope of work, specifications terms & conditions, additional conditions and special conditions etc. and nothing extra shall be payable what so ever unless other wise specified.
4. The successful tenderer shall be required to submit a Performance Guarantee of 3% (Three Percent) of Accepted Tendered Value of the tendered amount within 7 days of issue of letter of intent. This period can be further extended by In-Charge upto a maximum period of 7 days on the written request of the contractor subject to payment of late fee @ 0.1% per day of Performance Guarantee amount.
5. The successful bidder on achieving L-1 status shall also furnish Performance Guarantee of 3% of the tendered amount in addition to the other deposits mentioned else wherein the contract for proper performance of the agreement. The Performance Guarantee shall be submitted in the form of Bank Guarantee as per Performa given in Form 'H'
6. In the event of the bid being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney authorizing him to do so. Such power of attorney should be produced with the bid and it must be disclosed that the firm is duly registered under the Indian Partnership Act, 1932.
7. The bidder shall quote their rates including all prevalent taxes/ cess like GST, Labour welfare cess or any other tax on material /work as applicable and nothing extra shall be paid to the contractor on this account. The department shall deduct Labour welfare cess, any other tax as applicable, from the Running bills & final bill. However, the contractor shall pay GST to the concerned authorities directly.
8. NIPER may allow associate agency to work with main contractor provided associate agency has experience of three works of 40% or two works of 60% or one work of 80% of furniture cost of Rs 8.65 Lakh.
 - a) The eligible bidders shall quote rates for all items of bid documents.
 - b) Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.
 - c) The main contractor has to associate agency(s) for other FURNITURE component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to NIPER of FURNITURE component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by NIPER of FURNITURE component(s).

- d.)In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of NIPER of relevant specialized component(s). The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case NIPER is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.
- e. The main contractor has to enter into MoU with contractor(s) associated by him for execution of FURNITURE component(s). Copy of such MoU shall be submitted to NIPER. In case of change of associate contractor, the main contractor has to enter into MoU / agreement with the new contractor associated by him.
- f. The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by NIPER.
- g. Final bill of whole work shall be finalized and paid by the NIPER TO THE MAIN CONTRACTOR.
- h.
- i. The responsibility of investigations, designing, planning, procurement, construction, safety, quality and risk of engineering lies with the EPC contractor.
- j. The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the schedule of financial bids in this tender document, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion of the works.**
- k. The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions.**
- l. If there is any difference or discrepancy between the description of items as given in the schedule of quantities, particular specifications for individual items of work (including special conditions) and I.S. Codes etc., the following order of preference shall be followed:
 - i) Description of nomenclature of items in bidding documents.
 - ii) Description under Scope of work & Schedule of Finishes.
 - iii) Technical Specifications for civil & electrical works in Part 'B' & 'C' respectively.
 - iv) Architectural/structural drawings.
 - v) CPWD Specifications with upto date correction slips for civil, & electrical works as applicable.
 - vi) Indian Standard Specifications of B.I.S.
 - vii) National Building codes 2016.
 - viii) Manufacturer's specifications.
 - ix) Sound engineering practices.

"In the event of any variation/ discrepancy in the drawings, specifications and tender documents etc. the decision of the Engineer-in-charge shall be final binding and conclusive on the contractor and in the case the contractor have any doubt and the same should be got clarified immediately from the Engineer-in-charge and no claim of the contractor shall be entertained thereafter. Moreover, the agency is not allowed to take benefit out of any clerical/ grammatical mistake in the standard clauses/Schedule of Quantities/Specifications etc. being used in the agreement".

Manufacturer's Authorization Form

To
NIPER
Hyderabad

Dear Sirs,

Ref. Your Tender No. PUR/NIPER-H/NC/32/2022, dated 05-Aug-2022

We, _____ who are proven and reputable manufactures of Lab Furniture / civil works having manufacturing facility at _____, hereby confirm and undertakes as under:

That M/s _____ has authorized their Subsidiary M/s _____ to download the tender documents and quote on behalf of M/s. _____ against NIPER tender _____ and that the purchase order (if any) issued by NIPER in favor of M/s. _____ based on the quotation submitted by, prices as well as other commercial terms agreed by M/s. _____ will be fully honored and unconditionally executed by M/s. _____ (name and address of principal manufacturer).

That the overall responsibility of execution of the complete job against this tender will be that of M/s. _____ and in case of any failure on the part of M/s. _____ in carrying out any activities in their scope, the same will be taken up and completed / executed by M/s. _____ as per the terms and conditions as agreed with _____

We also hereby extend our full warranty, as applicable as per tender terms & conditions of the subject tender/ contracts for the goods and services offered for supply by the above firm against this tender document.

Yours faithfully,

For and on behalf of

SUB HEAD : CIVIL WORK

PARTICULAR SPECIFICATIONS (PS)

GENERAL

Work under this contract shall be carried out in accordance with Bills of Quantity (BOQ) Particular Specifications, drawings if any, General Specifications and other provisions contained in CPWD Manual 2020 and CPWD General conditions of Contract and Delhi Schedule of Rates 2021 read in conjunction with each other. Where specifications for any item of work are not given in CPWD Schedule or in these particular specifications, specifications as given in relevant Indian Standard Code of Practice shall be followed. In addition to makes indicated in the BOQ, a list of manufacturer is enclosed at Appendix A to this Particular Specification (PS). The contractor shall procure the material from the manufacturer indicated therein.

MATERIALS: Unless specific makes/manufacturers are specified in the tender documents all the materials to be procured by the contractor for incorporation in the work under this shall be with ISI certifications mark. For materials of specific make/manufacturer's names refer Appendix enclosed with tender here- in -after. ISI marking shall not be mandatory for such items where makes/ manufacturers have been specified unless the items of makes/manufacturers specified are available both with IS marking and without ISI marking. If any material is not manufactured with IS certifications mark in the country, it shall be confirming to relevant IS and other specifications specified elsewhere. The makes specified in Schedule 'A' (BOQ) shall take precedence over the makes specified in Appendix to these particular specifications.

LOCAL MATERIALS: Irrespective of actual distance involved, local materials such as stones, aggregates, sand, road metals etc shall conform to or superior to the specifications given here in after. The tenderers are advised to inspect these samples. The tenderers shall be deemed to have inspected the samples and have full knowledge thereof whether they inspect them or not before quoting their tender.

SAMPLES OF MATERIALS: Specific requirements regarding dimensions, strength, weight and finishes, as per IS, CPWD Manual 2020 and the particular specifications given hereinafter vis-à-vis actual properties check, tests carried out, reference to test certificates and markings, etc based on which samples of each materials are approved as Conforming to relevant specification shall be recorded in the sample approval register.

MATERIAL PROCUREMENT: The contractor shall not procure materials unless the samples are first got approved from the Engineer-In-Charge NIPER Hyderabad. All material costing more than Rs 1.00 Lakh shall be procured directly from the manufacturer. The contractor shall ensure that the materials incorporated in the work are identical with the approved samples. If, the same is not identical with the approved samples, the same shall be replaced by the contractor to the entire satisfaction of NIPER Hyderabad without any extra cost of the Govt. All material incorporated shall comply with relevant Indian Standard.

RECORD OF MATERIALS: The quantity of all the proprietary materials shall be recorded in measurement books and signed by the contractor and the Engineer-in-Charge. The contractor shall procure all the materials (where specific makes/manufacturer's specified) directly from their manufacturer's or from their authorised dealers only. The contractor shall produce to the NIPER Hyderabad original printed and machine numbered purchase vouchers/invoices including manufacturer's test certificate for all the materials mentioned here-in-before in Special Conditions.

STANDARD OF WORKMANSHIP: The workmanship shall be as per standard engineering practices and as specifies and directed. All relevant Indian Standard shall be applicable to entire CA items and complied with.

SCOPE OF WORK : The scope of work under this contract comprises of full, final and entire completion of works and services described in different parts of schedule 'A' (BOQ) and in Sch A notes as specified in these particular specifications & general specifications.

PREPARATORY WORK : Before commencing the construction, contractor shall carry out the preparatory work such as site clearance, construction of storage accommodation etc to the entire satisfaction of Engineer-in-Charge. The cost of such work as may be necessary shall be deemed to be included in the contractor's quoted lump sum.

CONCRETE WORK & OTHER CEMENT WORKS:

CEMENT : Type of cement to be used in this contract shall be ordinary Portland cement, grade 43, conforming to IS-8112-1989.

PROCUREMENT: Cement shall be procured by the contractor directly from the main producers, viz M/S Cement Manufacturing Company Ltd, M/s Ultra tech Cement Ltd, M/s OCL India Ltd , M/s Dalmia Cement (Bharat Ltd), M/s Chettinad Cement Corporation Ltd., M/s Heidelberg cement India Ltd., M/s My Home Industries Ltd., M/S Parasakti Cements Ltd., M/S Zuari Cement Ltd, M/s Toshali Cements Pvt. Ltd., M/S Saifco cement Pvt Ltd, M/S Prism cement Ltd, M/s Shree Guru Kripa Cement Pvt. Ltd., M/S barak Valley Cements Ltd, M/S Dhruv Industrial Company Ltd, M/s Ultra Tech Cement, Madras Cement, Saurashtra Cement, Lafarge cement(Lafarge India Pvt. Ltd.), The Associated cement Companies Ltd., Grasim Industries Ltd., The India Cement, Andhra Cement Ltd, Century Cements,Binani Cements Ltd., Mangalam Cement Ltd, Birla Corporation Ltd, Orient Cement, Shree Cement, JK Cement, JK Lakshmi Cement Ltd, Jaypee Rewa Cement, Ambuja Cement Ltd., J & K Cement Corp, Kathua, Shiva Industries, Kathua. Cement brought by the contractor at site(s) of work shall be in jute/polythene/paper bags containing 50Kg cement in each bag originally sealed by manufacturer. Contractor shall produce purchase vouchers, test certificates and other valid documentary proof to the entire satisfaction of NIPER Hyderabad for entire quantity of each consignment.

TESTING OF CEMENT: The Engineer-in-Charge shall record test results in the Cement Acceptance Register after due verification. NIPER Hyderabad shall also take random samples of cement drawn from various lots of each consignment as specified in IS Codes and get them tested from any one of the Govt. approved laboratories or from SEMT CME, Regional Research Laboratory, all as per IS-3535-1986, IS-4031 and IS-4032-1985, cost of materials for such samples, cost of requisite handling & conveyance and cost of testing etc shall be borne by the contractor. Cement rejected or any bag of cement in go down showing indication of any setting shall be segregated and removed by contractor from the site within a week's time, with due permission of NIPER Hyderabad for their removal.

STORAGE/CONSUMPTION OF CEMENT: Cement in bags shall be stored, all as specified in DSR 2021 Vol II. For the purpose of keeping a record of cement procured and consumed in works, the contractor shall maintain a properly bound register in the form approved by the Engineer-in-Charge showing all procurements, quantity used in the work and balance in hand, at the end of each day and such other information as is required to control the consumption of cement. Pages of the register shall be numbered and initialed by Engineer-in-Charge. This register shall be signed daily by the contractor or his representative and Engineer In Charge. On completion of the work, the register shall be returned to NIPER Hyderabad for safe custody for any future reference. The cement Godown shall be provided with two locks on each door. The key of one lock on each door shall remain with the Engineer-in-Charge or his authorized representative and that of the other lock with the contractor's authorized agent at site of work.

SCHEDULE OF SUPPLY: The Contractor shall procure as per CPM Net Work. The periodicity of striking the formwork and curing for works with ordinary Portland cement, shall be as stipulated in CPWD Manual and DSR 2021.

AGGREGATES: Aggregates for concrete work shall conform to specifications all as specified in clauses CPWD Manual and DSR 2021.

FINE AGGREGATES (SAND) : Fine aggregates for all concrete work shall be naturally occurring river sand/crushed sand confirming to clause DSR 2021 & CPWD. Sand confirming to grading zone IV of IS-383 shall not be used for RCC work.

COARSE AGGREGATES: Coarse aggregates for all concrete work in all situations shall be graded crushed stone aggregate (crushed in mechanically operated crusher) of approved quality, irrespective of whether indicated specifically in the description of items or otherwise or DSR 2021 provisions. Nallah shingle will not be used even for plain cement concrete work in any situation. Coarse aggregate shall be obtained from queries.

BUILDERS HARDWARE:

GENERAL : All articles of builder's hardware shall bear ISI marking. In case ISI marked articles are not manufactured, those shall conform to the relevant IS specifications given in the DSR and CPWD for the relevant item. Finish of articles shall be as specified in relevant part of DSR 2021. Screws used for fixing the articles of builders hardware shall be as specified in in relevant part of DSR 2021. Article shall be as under:-

BUTT HINGES : Butt hinges shall be of MS steel medium weight all as specified in in relevant part of DSR 2021.

CONTINUOUS (PIANO) HINGES: Continuous (Piano) Hinges shall be finish as specified in relevant part of DSR 2021 and CPWD Manual. The width of the flap shall be to suit the thickness of the shutter.

BARREL TOWER BOLTS: Aluminium anodised barrel tower bolts of extruded section

shall be as per relevant part of DSR 2021 and CPWD Manual. Size of barrel tower bolts shall be as per BOQ. Where size of barrel tower bolts not indicated, the same shall be 150 mm for doors and 100 mm for windows.

HANDLES: Extruded aluminium alloy handles fabricated type, anodised shall be as per DSR 2021. Size of handles shall be as per BOQ. Where size of handles not indicated, the same shall be 150 mm for doors and 125mm for windows.

HASP AND STAPLES : Hasp and staples, safety type, aluminium anodised with mild steel hinge pin shall be as per relevant part of DSR 2021 and CPWD Manual. Size of Hasps and staples shall be as per BOQ. Where size of Hasps and staples not indicated, the same shall be 75 mm .

DOORS SPRINGS : Ordinary rat tail rod pattern MS spring including roller and roller

plate shall be as per relevant part of DSR 2021 and CPWD Manual. Size of door spring shall be as per BOQ . Where size of door spring not indicated, the same shall be 150 mm.

HYDRAULIC DOOR CLOSER: Hydraulic door closer shall be hydraulically regulated designation No 2, Universal type aluminium body suitable for door shutter of weight between 36 to 60 Kg shall be provided as specified in relevant part of DSR 2021 and CPWD Manual. One number hydraulic door closer shall be provided to each shutter in all Aluminium doors.

KNOBS: Shutters and drawers of small size built in cabinets, switch boxes and built in furniture shall be provided with aluminium anodised knobs of not less than 38mm dia.

ALUMINIUM DOOR STOPPER/WOODEN CLEATS: Aluminium wooden door stoppers/wooden cleats of suitable size shall be provided to each open able shutter of window, ventilators and doors.

HELICAL DOOR SPRING: Where shown on drawings, wire gauged door shutters shall be provided with mild steel helical door spring 150mm long. MAKE: RITZ or Equivalent.

ALDROP BOLT: Aldrop bolt shall be aluminium anodized aldrop bolt (sliding door bolt) type 3, bolt of extruded section 16mm dia, ISI marked (IS-2681).

FLOORING:

GENERAL: Ordinary portland cement as specified in relevant clause of DSR 2022 and CWPD Manual here-in-before shall be used for all flooring. Provisions contained in relevant clause of DSR 2022 and CWPD Manual are to be adopted for laying floors and pavements. Floors shall be laid to levels or to falls as shown on drgs and as directed by the Engineer-in-Charge. Floor finish shall be extended over dwarf walls, doors and other openings. Floor topping of cast-in-situ cement concrete shall be finished even and smooth without using extra cement as specified in relevant clause of DSR 2021 and CWPD Manual. Cast-in-situ terrazzo shall be in grey cement (OPC) without pigment unless otherwise indicated. In location where terrazzo with white cement has been indicated, it shall be casted with white cement and pigment. White cement shall be Birla/L&T/JK Cement. Marble aggregate (Chips) shall be of size 6mm to 12mm for terrazzo floors. The colour of marble chips shall be as shown on drawings or as approved by NIPER Hyderabad, when not indicated in drawings. Surfaces finished in terrazzo shall be grinded and wax polished as specified in relevant clause of DSR 2021 and CWPD Manual. The grinding by hand may be allowed in WC/Bath, if grinding by machine is not feasible in such situations. These situations are in addition to those as specified in relevant clause of DSR 2021 and CWPD Manual. Sub base shall not be laid in panels.

NON SKID CERAMIC TILES FLOORING: Non skid ceramic tiles flooring shall be 1st quality provided with mat superior finish ceramic tiles of size specified in the BOQ and Coloured/Pattern, Make/Brand as specified conforming to IS 15622-2006/ISO-3006 (Grade B-II (a)) Shall be laid over screed as mentioned in the BOQ using cement slurry @ 3 Kg/Sqm over PCC 1:2:4 type B-o (using 12.5 mm graded crushed stone aggregate, over 75 mm thick PCC.

GLAZED VITRIFIED,CERAMIC TILES DADO/SKIRTING: It shall match with the floor finish.

WHITE WASHING / COLOUR WASHING: White wash / colour wash shall be done in 3 coats. The colour wash shall consist of 2 coats of colour wash over one coat of white lime wash. However, soffit of rooms shall be provided with 3 coats of white (lime) wash. Lime wash shall be carried out all as specified in relevant of DSR-2021.

To achieve better finish of white wash zinc oxide shall be mixed with lime wash at the rate of 2 percent of slacked

lime. In final coat of white wash fevicol DDL shall be mixed as per manufacturer's instructions. No ultramarine blue shall be mixed in any coat. However, sodium chloride, as specified in DSR 2021 shall be mixed in first and second coats.

OIL BOUND DISTEMPER (WASHABLE DISTEMPER): Oil bound distemper, shall be applied in two coats of oil bound distemper over one coats of cement primer conforming to IS: 428 -2000 & shall be provided over prepared surface. All cracks, voids and minor damages shall be patched/repared with white cement putty or with plaster of peris and surface shall be prepared with white cement based putty all as specified in relevant clause of DSR 2021 and CPWD Manual.

CEMENT BASE PAINT : Cement base paint shall be applied in two coats over a coat of alkali resistant priming paint, all as specified in relevant clause of DSR 2021 and CPWD Manual. Shade shall be approved by NIPER Hyderabad. Cement base paint shall conform to IS-5410-1992.

GLAZING: All glazing shall be with sheet glass of ordinary quality and shall conform to IS -2835. Glass shall be free from all defects viz bubbles, waviness etc. and shall be of uniform thickness. In case thickness not mentioned elsewhere glazing to windows/doors shall be with 5mm thick sheet glass. Glass used shall be plain sheet glass except in baths/WC/Toilets/Lav/WC as applicable where it shall be pinhead glass. The glazing to steel frames, shall be fixed with special spring glazing clips with putty and glazing to wooden joinery shall be fixed with wooden beading with putty all as specified in relevant clause of DSR 2021 and CPWD Manual. Glass shall be fixed to Aluminium windows /vents with aluminium snap beading alongwith PVC/neoprene gasket.

PAINTING: All synthetic enamel paints and emulsion paints shall be of 1st quality manufactured by the standard firm. The contractor shall inform the NIPER Hyderabad, within three weeks of the acceptance of the tender, the brand/ names of the manufacturers of paint proposed to be used in the work and submit samples thereof to NIPER Hyderabad before their use in work and obtain prior approval of NIPER Hyderabad. Paints for priming coat, under coat and finishing coat shall be of the same brand. Tint of paint, if not mentioned in drgs/schedule of finishes, shall be as approved by the NIPER Hyderabad. Pink primer shall be used on wooden surface and red oxide primer shall be used on steel surface. Concrete surface shall be applied with cement primer. The workmanship shall be as under:-

All surfaces required to be painted shall be smoothened size and knotted and then applied with priming coat, stopping and filling [filler coat] shall be done after priming coat and surface rubbed down to a level and smooth surface and thereafter under coat and finishing coat shall be applied all as specified in relevant clause of DSR 2021 and CPWD Manual. Steel and iron work shall be painted in the manner as specified in relevant clause of DSR 2021 and CPWD Manual.

All steel and wooden surfaces including wooden based surfaces such as plywood, particle board etc shall be given two coats [under coat and finishing coat] of synthetic enamel paint. Aluminium painted shall be given two coats of aluminium paint conforming to IS-2339 over a coat of appropriate primer.

PLUMBING WORK (UPVC): Plumbing work shall be carried out as specified in relevant clause of DSR 2021 & CPWD Manual . In Case the soil/waste/vent pipes are of UPVC pipes these shall be conforming to IS-13592-1992 & fitting conforming to IS-14735-1999. All the pipes and fittings shall have ISI certification mark. UPVC pipes and fittings shall be jointed with solvent welded routs all joints as specified DSR 2021 & CPWD Manual & IS code. UPVC pipes and fittings shall be fixed to wall with mild steel clamps as specified in DSR 2021 & CPWD Manual

INTERNAL WATER SUPPLY:

MATERIAL: Polypropylene Random copolymer (PP-R) pipes and fittings shall be all as specified in relevant clause of DSR 2021 and CPWD manual, bib taps, stop valves and pillar taps shall be all as specified in relevant clause of DSR 2021 and CPWD manual. Shower rose shall be of approved by NIPER Hyderabad. Mild steel galvanised tubes (pipes) and fittings shall be all as specified in relevant clause of DSR 2021 and CPWD manual, bib taps and stop valves shall be all as specified in relevant clause of DSR 2021 and CPWD.

LAYING AND FIXING PIPES : The pipes for supply of water to all fittings in the buildings shall run on the internal walls as approved by the Engineer-in-Charge at site. Pipes for internal water supply shall run concealed in walls/floors. The cost of cutting chases, forming holes etc. and making good for concealing the pipe shall be deemed to be included in lump sum cost of building of Sch 'A' Part-I. Where pipes are laid underground, the trenches shall be excavated as directed by the Engineer-in-charge. The pipes running along face of the walls shall be clamped in the walls as specified as specified in relevant clause of DSR 2021 and CPWD manual. Where pipe is passing through a wall, a mild steel tube sleeve shall be fixed all as specified as specified in relevant clause of DSR 2021 and CPWD manual. Testing

of pipes shall be carried out all as specified in relevant clause of DSR 2021 and CPWD manual.

INTERNAL ELECTRIFICATION :

GENERAL: The materials, workmanship and the installation as a whole shall generally be governed by specifications, and rules and the principles laid down in DSR 2021 and CPWD Manual, Specifications given here under are in amplification and modifications, the specifications given here under shall take precedence. Items of electrical work shall be deemed to include interalia minor items to make the installations in the building complete in all respects, duly tested and certified as fit for switching electric supply on the taking in side the buildings. The installation shall strictly comply with the provisions contained in the latest edition of Indian Electricity Rules and latest edition of the Indian Standard Electrifications as applicable to the work, except where such regulations and rules are modified by the specifications. It shall be of high standard and approved construction used in modern electrical works as regards design as well as workmanship. Complete works shall be suitable in all respects for the type of voltage indicated in the relevant items Sch'A'. All electrical works shall be executed by skilled licensed workers. Only licensed supervisors and workers shall be employed, and the contractor on demand by the Engineer-in-charge shall produce such evidence of qualifications for his workers/supervisors either at the commencement of the work or any time there after.

CABLE : Cable shall be with multi stranded copper conductors single core PVC insulated unsheathed cable upto 1100 volts grade conforming to IS : 694-1990. For the purpose of colour coding in conduit wiring in particular the samples for make and colour of insulation of wires shall be got approved before the wires/cables are procured and drawn into conduit. Red/yellow/blue wires for phases, black wire for neutral and green wire for earth shall be used wiring in conduit without coding will not be acceptable..Size of cables and voltage grading shall be as per Schedule 'A'/BOQ.

POWER CABLES : Power cables suitable for LT and HT supply shall conform to the following Indian Standards as indicated. The characteristics of the cables viz. the size of the conductors, single core, twin core, three core or multi-core, whether armoured or unarmoured, type of insulation and sheathing and the rated voltage of the cables shall be as indicated :

IS 692-1994, Specification for paper insulated lead-sheathed cables for electric supply. IS 1554(Part 1)1988, Specification for PVC insulated (heavy duty) electric cables, Part 1 for working voltage upto and including 1100 volts. IS 1554-(Part 2)-1988, Specification for PVC insulated (heavy duty) electric cables. Part 2, for working voltages from 3.3 KV upto and including 11 KV.

IS 7098 (Part 1)-1977 and Part 2-1985 (XLPE) insulated PVC sheathed cables.

FITTINGS AND ACCESSORIES: Switch of rating 5 Amp shall be piano type. Switch socket outlet combination 3 pin 5/16 Amp shall be provided as indicated in Sch 'A'/BOQ and as directed by Engineer-in-Charge. Light fittings shall be as per model Nos as described under Sch 'A'/BOQ.

APPROVED LIST OF MANUFACTURERS/MAKES

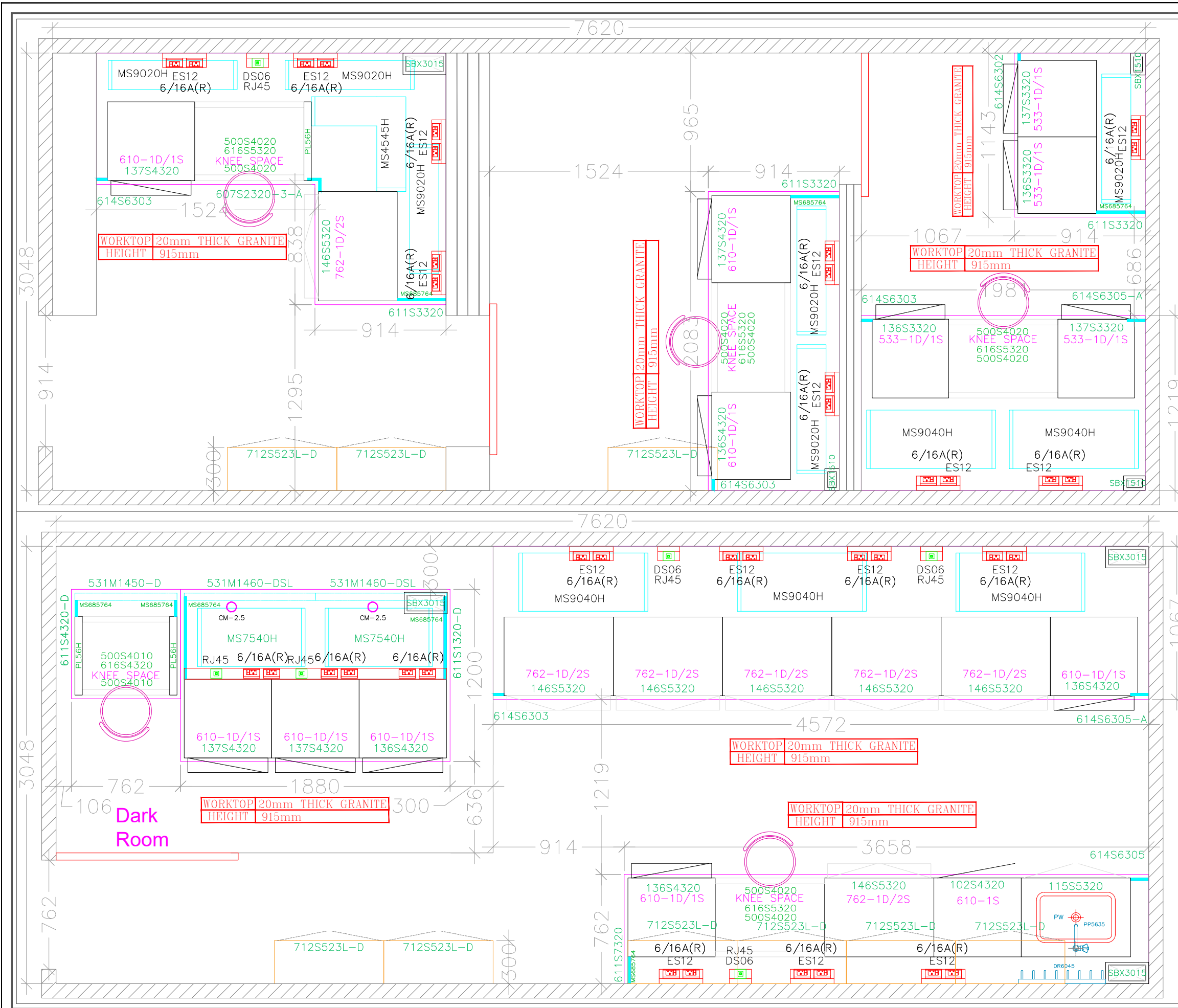
SL NO.	NAME OF PRODUCT	MAKES/ BRANDS/ MANUFACTURER
CIVIL WORK ITEMS		
1.	FACTORY MADE PANELLED DOOR SHUTTER	M/S MP WOOD PRODUCT, INDORE, M/S JAINWOOD, INDUSTRIES (JAYANA BOARD), DELHI, M/S JAIN DOORS PVT LTD, SONIPAT.
2.	SOLID CORE PVC PANEL DOOR/WALL PANELING/FALSE CEILING/INTERNAL DOOR/WINDOW/KITCHEN CABINET	SINTEX, RAJSHRIPLASTIWOOD LTD, M/S DURA PLAST EXTRACTION PVT LTD, M/S FENESTA
3.	BUILDERS HARDWARE	MOWJEE, M/S KITCH ARCHITECTURAL PRODUCT PVT LTD, RS INDUSTRIES
4.	PLYWOOD FOR GENERAL PURPOSE (IS-303)	MOWJEE, M/S KITCH ARCHITECTURAL, PRODUCT PVT LTD, RS INDUSTRIES.
5.	PRE LAMINATED PARTICLE BOARD	KITPLY, BHUTAN BOARD, ECOBOARD, NEPAL BOARD, NOVAPAN, ARCHID PLY, MERINOVA. M/S GREEN PLY INDUSTRIES LTD, ECO-BOARD
6.	LAMINATED SHEETS	ARCHID LAM, SUNMICA, MERINO, LAM, MYSORE CHIP BOARD, GREELAM
7.	CERAMIC TILES, NON-SKID	KAJARIA, H & R JOHNSON, CERA
8.	TILES VERTIFIED (NORMAL/ANTI SKID)	SOMANI, KAJARIA, JOHNSON, ORIENT, BELL, NITCO, CENGRES, SIMPOLO, SUNHEART, VARMORA
9.	SHEET GLASS /STRUCTURAL GLAZING	HINDUSTAN PILKINGTON GLASS WORKS, SAINT GOBAIN, MODI FLOAT, TRIVENI FLOAT GLASS, ASI, FRESCA, EMIRATES.

10.	KITCHEN STAINLESS STEEL SINK	
		NIRALI, KOBRA, NEELKANTH, JAYNA, BLUE STAR
11.	FANCY BIB TAPS, STOP VALVES & PILLAR TAPS, SURGICAL BASIN MIXER, SHOWER ROSE AND OTHER BATH ROOM FIXTURES ETC.	JAGUAR, GEM, MARC, JALANGI, SHAKTI
12.	FANCY BIB TAPS, STOP VALVES & PILLAR TAPS, SURGICAL BASIN MIXER, SHOWER ROSE AND OTHER BATH ROOM FIXTURES (PREMIUM QUALITY)	MARC, JAQUAR, MARC, JOHNSON
13.	READY MADE BATHROOM CABINETS	JAGUAR, CERA, COMMANDER, PARRYWARE
14.	SANITARY WARE	HINDUSTAN SANITARY WARE, PARRYWARE, CERA, JAGUAR, NEYCER, SIMPOLO, SOMANY
15.	PVC FLUSHING CISTERN IS: 774-1984 (ISI CERTIFIED)	HINDUSTAN SANITARY WARES, COMMANDER, PARRYWARE, CERA, JAGUAR, JOHNSON PEDAR, NEYCER, SHAKTI
16.	FLOAT VALVE	LEADER, BOMBAY METAL & ALLOY CO, BOMBAY SUPERFLOW.
17.	INTEGRAL WATER PROOFING COMPOUND	WATER SEAL, IMPERMO, STP NO 1, PEDILITE, ACCO PROOF, FOSROCK, CICO. BENGAL BITUMEN, IWL
18.	WALL CARE PUTTY FOR BASE PREPARATION	BIRLA WALL CARE PUTTY, GOLD MOHAR, M/S SHALIMAR HARDWARE, BURGER, J&N, BIRLA LAVAL PLAST, CORAL, ACRO (WALLGUARD)
19.	CEMENT BASED PAINTS	SNOWCEM, ASIAN, JENSON & NICHOLSON, BERGER, DURACEM, BRITISH XTRACEM
20.	DRY DISTEMPER / OIL BOUND DISTEMPER / EXTERIOR ULSION/SILICON PAINTS & COATING / TEXTURE PAINTS	GOODLASS NEROLAC PAINTS, JENSON & NICHOLSON, BERGER PAINTS, ICI DULUX, ASIAN PAINTS, BRITISH ACRYLIC SILK.

SL NO.	NAME OF PRODUCT	MAKES/ BRANDS/ MANUFACTURER
CIVIL ITEMS		
21.	SYNTHETIC ENAMEL PAINT HIGHEST QUALITY ONLY	GOODLASS NEROLAC PAINTS, JENSON & NICHOLSON, BERGER PAINTS, ICI DULUX, ASIAN PAINTS,
22.	PVC RAIN WATER/SEWAGE PIPES (IS-4985)	SUPREME, FINOLEX, RELIANCE
23.	HDPE WATER STORAGE TANKS (ROTATIONAL MOULDED)	SINTEX, POLYCON, SHEETAL
24.	WATER CLOSET SEATS AND COVER (SOLID BAKELITE) THERMOSTAT MOULDED TOILET SEAT COVER	PARRYWARE, JAGUAR, SOMANI, COMMANDER, CERA, NEYCE
25.	POLYMERIC WATER PROOFING MEMBRANE	IWL, STP, BENGAL BITUMEN, TIKKITAR, CORAL, TORCHTAR
26.	WELDED WIRE MESH / FABRIC	MULTIWELD WIRE CO LTD, MUMBAI, JAINSONS SALES CORP, DELHI, JAISONS INDUSTRIES
27.	PARTICLE BOARD (VENEERED & UNVENEERED LAMINATED)	KITPLY, NOVA PAN INDUSTRIES, NEW DELHI, M/S GREEN PLY INDUSTRIES LTD, ARCHID PLY, BHUTAN BOARD, DURA BOARD MYSORE CHIP BOARD LTD
28.	FIBRE BOARD(MEDIUM DENSITY)	NOVAPAN, BHUTAN BOARD, KIT PLY, MYSORE CHIP BOARD LTD, GREEN PANEL MAX (PLAIN EXTERIOR GRADE MDF/ PRELAM/ VENEERED MDF/ GREEN FLOORMAX LAMINATED)
29.	PLASTIC EMULSION PAINT	BERGER (SILK, RANGOLI EASY CLEAN), ASIAN (ROYALE, APCOLITE ADVANCE), AKZO NOBEL (VELVET TOUCH), NEROLAC (IMPRESSION ECOCLEAN, IMPRESSION 24 CARAT), BRITISH (SPLENDOR LUXURY)
30.	PAINT EXTERIOR	BERGER (WEATHER COAT ALL GUARD), ASIAN (APEX ULTIMA), AKZO NOBLE (WEATHER SHIELD MAX), NEROLAC (EXCEL TOTAL), BRITISH (EXPA-7 ADVANCED)
31.	PTMT FITTING	PRAYAG, SHAKTI, POLYTUF
32.	MS PIPES	APL APPOLO, BHUSHAN
33.	MIRROR LOOKING	SAINT GOBAIN, MODI FLOAT, TRIVENI FLOAT GLASS
ELECTRICAL ITEMS		
34.	MCCB	ABB, SIEMENS, L & T, SCHNEIDER, LEGRAND, MERLIN GERIN, HAGER, INDO ASIAN, C&S, ELECTRIC, KALINGA PREMIUM, HAVELLS, HPL, BENLO
35.	MCB/ ELCB / RCCB/ DB/ ISOLATORS	L & T, ABB, SCHNEIDER, SEIMENS, LEGRAND, HAGER, INDO ASIAN, C&S ELECTRIC, KALINGA PREMIUM, HAVELLS, HPL, BENLO
36.	LT CABLES, 1100 VOLTS , XLPE	CCI, FINOLEX, UNIVERSAL CABLES, RPG, KEI INDUSTRIES PVT LTD., KALINGA PREMIUM, EON, GLOSTER, POLYCAB, HAVELLS.
37.	PVC COPPER WIRES – 650/1100 VOLTS	L & T, FINOLEX, RPG, RR KABLE, GRANDLAY, KALINGA PREMIUM, HAVELLS, HPL, POLYCAB, EON, GLOSTER, ORISON
38.	MS CONDUIT	BHARAT STEEL, JINDAL, TATA
39.	CASING CAPPING	KALINGA, BAJAJ, PLAZA, FINOLEX, TIRUPATI, POLYPACK, AKG, HARSH, VISHAL PIPES, SUPREME, DAUPHIN, DIPLAST, PALICAN, SWASTIC.
40.	PVC RIGID PIPE (HEAVY DUTY)	PLAZA, FINOLEX, BAJAJ, KALINGA PREMIUM,,
41.	PT SWITCH / SOCKETS/ CEILING ROSES/ FAN REGULATORS	ANCHOR, LEGRAND, CRABTREE (SCHNEIDER)

42.	MODULAR SWITCHES / SOCKETS/FAN REGULATORS	LEGRAND, SEIMENS ABB,,CRABTREE, (SCHNEIDER), C&S ELECTRIC, HAVELLS, HPL, POLYCAB. INDO ASIAN
43.	METAL HALIDE STREET LIGHT FITTINGS	PHILIPS, CROMPTON GREAVES, BAJAJ, C & S ELECTRIC, SCHNEIDER, WIPRO, GE LIGHTING, HAVELLS
44.	BOX TYPE TUBE LIGHT FITTING	PHILIPS, CROMPTON GREAVES, BAJAJ,C & S ELECTRIC, WIPRO, GE LIGHTING, HAVELLS, HALONIX.
45.	ELECTRIC CALL BELLS	ANCHOR, LEGRAND, CONA, HAVELLS
46.	GEYSERS	CROMPTON GREAVES, BAJAJ, RECOLD, HAVELLS, MORPHY RICHARDS, VENUS, USHA LEXUS, BLACK & DECKER,

SL NO.	NAME OF PRODUCT	MAKES/ BRANDS/ MANUFACTURER
<u>CIVIL WORK ITEMS</u>		
		JAGUAR, LUMINOUS, INDOASIAN, SHRIRAM, THERMOKING, ARISE, ORISON, EON.
47.	CONTROL CABLES	L&T, FINOLEX, UNIVERSAL, ASIAN, CABCOM, GRANDLAY, NICCO.
48.	FIBRE OPTIC CABLES	LAPP, STERLITE, KEC, D-LINK, FINOLEX
49.	LED LIGHT FITTING	PHILIPS, BAJAJ,HAVELLS, OSRAM, CROMPTON GREAVES, C & S ELECTRIC,MEGA ENERGY SOLN,BIRLA POWER, HPL, SYSKA LED, HALONIX
50.	GI PIPES/ MS PIPES	JINDAL, TATA, NECO, UNCO STEEL INDUSTRIES, BHARAT STEEL TUBE DELHI, BHUSHAN, APL APPOLO
51.	HDPE PIPES/ UPVC PIPE	DUTRON, FINOLEX, TIRUPATI, SFMC PIPE, JAIN PIPE, RELIANCE(RPPPL), SWASTIK.
52.	CI PIPES	ELECTRO-STEEL / LANCO, JINDAL, RASHMI, KESORAM, LECTROTHERM, TATA METALIKS, TATA KUBOTA
53.	DI PIPES	ELECTRO-STEEL / LANCO, SRIKALAHASTHI, JINDAL, KESORAM, ELECTROTHERM, TATA METALIKS, TATA KUBOTA
54.	CI PIPE FITTING	SKF, SRIF, SINGHAL IRON FOUNDRY,HINDUSTAN ENGINEERING PRODUCTS, JINDAL SAW, NECO (JAYASWAL), HEPKO(BINAYUDYOD)
55.	DI PIPE FITTING	KARTAR, ELECTROSTEEL/ LANCO, KEJRIWAL, KESORAM, JINDAL.
56.	PCC CABLE COVER	MEHTAB TILES, PEARLESS INDUSTRIES, HINDMOZAIC GUJRAT, JJ CONCRETE LUCKNOW
57.	SMART / TAMPER PROOF ENERGY METERS	ABB, L & T, SCHENIDER, SECURE, HAVELLS,HPL
58.	CEILING FANS(ONLY 5 STAR BEE RATING C/ FANS SHALL BE SPECIFIED) EXHAUST / WALL MOUNTED	BAJAJ, CROMPTON GREAVES, GEC, ORISON,EON, HAVELLS, POLYCAB
59.	LED LAMPS	PHILIPS, CROMPTON GREAVES, OSRAM, SURYA, BAJAJ,BENLO, SYSKA
60.	GI FITTINGS	JINDAL, TATA, BST
61.	HT XLPE CABLES 132/66/33 KV & 11 KV	CCI, UNIVERSAL CABLES, FINOLEX, ASIAN,CABLES, KEI INDUSTRIES LTD,KALINGA PREMIUM,GLOSTER, POLYCAB
62.	VOLTMETER/ AMMETER/ FREQUENCY METER/ PF METER	L & T, AE, SECURE, SCHENEIDER, LEGRAND, HAGER, , HAVELLS, HPL
63.	SLUICE VALVES/ NON RETURN VALVES/ AIR RELEASE VALVES	KIRLOSKAR, LEADER, ZOLOTO, L & T (AUDCO)




:- SITE MEASUREMENTS MUST BE TAKEN BEFORE PRODUCTION :-

WORKTOP HEIGHT:
H-915mm HEIGHT 915mm FROM FINISHED FLOOR LEVEL
H-762mm HEIGHT 762mm FROM FINISHED FLOOR LEVEL

WORKTOP :
GRA 20mm THICK BLACK GRANTE WORKTOP

NOTE: Lab Stool shown in the drawing is only for Knee Space indicative purpose.

CLIENT		
 M/s.NIPER, Hyderabad.		
TITLE		
LAB FURNITURE PLAN LAYOUT DRAWING		
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