



Tender No: CDACP/L&B/Infra/24-25/431, date: 14 August 2025

C-DAC, Pune invites On-Line bids for Composite Works Tender (Interior/Civil, Electrical and Allied, HVAC etc.) for Creation of Infrastructure for various labs on the 1st floor north wing at C-DAC, IP Building, Pune.

Prospective Bidders may download the Tender Document from www.cdac.in/ <https://eprocure.gov.in/eprocure/app>. Bidders are advised to go through instructions provided at 'Instructions for online Bid Submission' before uploading the bids through <https://eprocure.gov.in/eprocure/app> as per terms and conditions given in the Tender Document. The Tender document fee of Rs. 1,500/- (non-refundable) and EMD undertaking needs to be submitted.

Centre for Development of Advanced Computing
A Scientific Society of Ministry of Electronics & Information Technology,
Government of India
Innovation Park, Panchavati, Pashan Road, PUNE- 411008.
Tel: +91-20-25503676/675
mmg@cdac.in



TENDER SCHEDULE

Tender No **CDACP/L&B/Infra/24-25/431-RE**

Name of the Institute	Centre for Development of Advanced Computing, Innovation Park, Panchavati, Pashan Road, PUNE 411008.
Place of Work & Supply, Installation, Testing & Commissioning, Support etc.	Centre For Development of Advanced Computing, Main building, IP Building, PUNE 411007
Date of Release of Tender	14 August 2025
Date of pre-bid meeting	ONLINE -21st August 2025 at 1100 hrs. The bidder should submit their queries (if any) before one day of date of pre-bid meeting.
Last date of submission of bids	11 th September 2025 upto 15.00 Hrs.
Date of opening of Technical bids	11 th September 2025 on 15.30 Hrs.
Place of opening of technical bids	C-DAC, Pune 411008.
Bank Details for submitting Tender Fee online	Branch Name: BANK OF INDIA BRANCH ADDRESS: Pashan Road Branch, Pune Maharashtra: 411008, IFSC CODE: BKID0000516 ACCOUNT NUMBER: 051610110002660 TENDER FEE CAN BE SUBMITTED ONLINE IN ABOVE BANK OR THROUGH DD AS PER DETAILS GIVEN BELOW

Instruction for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates.

REGISTRATION:

- Bidders are required to enrol on the e-Procurement module of the Central Public Procurement Portal (url: <https://eprocure.gov.in/eprocure/app>).
- As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India with their profile.
- Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others, which may lead to misuse.
- Bidder then logs into the site through the secured login by entering their userID / password and the password of the DSC / eToken.

PREPARATION OF BIDS:



- Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100dpi with black and white option.
- To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use 'My Space' area available to them to upload such documents. These documents may be directly submitted from the 'My Space' area while submitting a bid, and need not be uploaded repeatedly. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS:

- Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission,
- The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- Upon the successful and timely submission of bids, the portal will give a successful bid submission message and a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

ASSISTANCE TO BIDDERS:

Any query relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24*7 CPP Portal Helpdesk on :- 0120-4200 462, 0120-4001 002, 0120-4001 005, 0120-6277 787,
e-mail for Technical - support-eproc@nic.in.



SECTION I: INVITATION FOR BIDS (IFB)

A. Introduction:

Centre for Development of Advanced Computing (C-DAC) - is a scientific society under the administrative control of Ministry of Electronics & Information Technology, Government of India.

To enhance the infrastructure, C-DAC invites the bids from eligible bidders for Supply, Installation and commissioning of **Interior/Civil, Electrical and Allied, HVAC etc.) for Creation of Infrastructure for various labs on the 1st floor north wing at C-DAC, IP Building, Pune**, as per terms and conditions specified in this document. The details technical specifications are given in "Section – IV: Schedule of Requirements" of this document.

B. Contact information:

Centre for Development of Advanced Computing (C-DAC)
Innovation Park, PANCHAVATI, Pashan Road, PUNE 411008
Tel No.: +91-20-25503673/ 694 / 675-676
E-mail: mmg@cdac.in,

C. Two e-bids System:

1. The two e-bids system will be followed for this tender. In this system, bidder must submit their offer - online in separate packets as explained below:

Online e-Packet No. 1: "Technical e-Bid" shall contain following documents in .pdf format only:

- a. Covering letter, as per **Annexure – A**.
- b. Authority letter, as per **Annexure – B**.
- c. **Tender fees to be submitted through Demand Draft / e-payment. Scanned copy of Demand Draft / e-payment (preferable mode) receipt towards tender fee of Rs.1,500/- (Rupees One Thousand Five Hundred Only) drawn in favour of C-DAC payable at Pune. The original DD must be submitted physically at the place of Opening of the Tender on or before the Due Date & Time of the Tender.**
- d. A copy of Certificate of Incorporation, Partnership Deed / Memorandum and Articles of Association / any other equivalent document showing date and place of incorporation, as applicable of the bidder.
- e. Copies of PAN and GST registration certificates.
- f. Duly filled Technical Bid (**as per Section – IV**) with proper seal and signature of the authorised person (with name, designation, email id & contact no.).
- j) A photo copy of the commercial bid without prices (**prices blocked**) with line-item break-up of items as you will use for raising the final invoice and the GST % of each item. C-DAC reserves the right to reject the bid if these details are not submitted along with the technical bid document.
- k) Other documents necessary in support of eligibility criteria, product catalogues, brochures etc. whichever applicable.

Note: C-DAC reserves the right to reject the bid if any of the above listed document/s is not submitted.



2.On-line ePacket 2: “Commercial eBid “ shall contain: (.xls format only)

The Commercial e-Bid completed in all respects as per format given in Section – V of this document.

D.PRE-BID Meeting:

The pre-bid meeting will be held ONLINE as given in schedule to sort out/resolve queries raised by the prospective bidders regarding the scope, technical specifications, terms & conditions etc. The prospective bidders requiring any clarification of the bidding document may send their queries in writing through e-mail at mmg@cdac.in. C-DAC will respond to these queries during the pre-bid meeting. The queries/doubt/clarifications etc. must be sent at least two days prior to the date of pre-bid meeting.

E.Last Date of uploading of ebids and opening of the Technical ebids – Online.

- Last date (DUE DATE) for uploading of ebidsthrough: www.eprocure.gov.in/eprocure/app - against the tender id, as per the '**TENDER SCHEDULE**' above.
- Technical e-bids will be opened 'Online' through www.eprocure.gov.in/eprocure/app against the tender id, as per '**TENDER SCHEDULE**'
- The e-bids must be submitted on-line.
- The Tender Fees must be submitted online through RTGS / NEFT / IMPS Direct Credit /deposited in person or through post/ courier (C-DAC shall not be responsible for any postal delays or any other reason for not submitting the tender fees etc. in the specified time and resulting in disqualification/ rejection of any bid) **so as to reach on or before the due date and time of the uploading of the tender.**
- In case bidder requires any clarifications / information, they may contact C-DAC address given in '**TENDER SCHEDULE**'.

Note: Please do not put "Commercial eBid" (prices quoted) in the technical bid packet. If the price quoted is submitted / leaked with technical ebid the tender will be rejected at the sole discretion of C-DAC.

F.Opening of commercial ebids

- Commercial e-bids of the qualified bidders only will be opened(**ONLINE**), who choose to attend, at the time, place and date to be informed later.
- The bidder's name, bid prices summary and other appropriate details will be displayed at the time of the opening of the commercial ebids.

(END OF SECTION I)



SECTION II: INSTRUCTIONS TO BIDDERS (ITB)

1. Locations for Work & Warranty Support etc.:

First Floor, Centre for Development of Advanced Computing (C-DAC)
Innovation Park, Panchavati, Pashan Road,
Pune- 411008. INDIA.

2. Work Delivery Period:

The total complete work including Interior/Civil, Electrical & allied work, HVAC works, Fire Protection works etc. should be completed within 150 days from the date of placing the work order, positively. Bidder should keep in mind that timely delivery is the essence of project.

3. Order Placement & Release of Payment:

The Work Order(s) and payments shall be released by:
Centre for Development of Advanced Computing (C-DAC)
Innovation Park, Panchavati, Pashan Road,
Pune - 411008. INDIA

4. Eligibility Criteria:

The bidders must comply with the eligibility criteria stipulated below.

- a. The bidder should be an entity registered in India under appropriate Indian Laws. Certificate for the same need is to be submitted along with the bid.
- b. Bidder must have valid PAN Card & GST Registration as on the last date of tender submission. The PAN card and GST registration must be in the name of Bidder only. (Submit Copies)
- c. Bidder shall have minimum average turnover of Rs.1.30 Crs for last three financial years (2021-22, 2022-23, 2023-24). (CA certificate in this regard along with supporting balance sheets documents be submitted)
- d. The bidder must have successfully completed at least One (01) Similar Composite/ Turnkey work of costing not less than the amount equal to 1.30 Crore in last 5 Years ending last day of month previous to the one in which bids are invited.
("Similar work means- Composite/Turnkey Works comprising Interior/Civil, Electrical & Allied work, HVAC work etc. in any Central / State Govt. Departments / Central PSUs/ State PSU/ Central Autonomous bodies/ State Autonomous bodies/ City Development Authority/Municipal Corporation of City formed under any act by Central/State Government and published in Central/State Gazette. The bidder shall submit Completion Certificate(s) mentioning name, nature of work(s), value(s) of the job(s), date(s) of commencement, stipulated date(s) of completion and actual date(s) of completion duly certified by officer of level of Executive Engineer or higher level or equivalent along-with LOI(s)/W.O(s) from respective Owner(s)/Client(s). The work order should have been placed by end client/user directly in the name of bidder).
The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7 % per annum calculated from the date of completion to last date of receipt of applications for tenders.



- e. The bidder should have office presence in Pune or Mumbai Area (Attach Proof-Shop Act/Water bill/Electricity Bill etc.). Any rental agreement in lieu for office presence has to be registered agreement prior to the date of tender publishing.
- f. Bidder has to submit the Site Visit report/ undertaking (Annexure –C) along-with Geo-tagging photographs of self-mentioning with GPS coordinate, date and time and submit the same in online technical bid document. Site visit is mandatory. The bidder has to visit the site to assess the existing infrastructure equipment's condition on the floors, transport conditions and working conditions at site, scope of dismantling from the fourth floor and reinstallation in first floor and submit Site visit undertaking.
- g. The contractor must not be black listed / debarred from bidding by any Government Department, PSU or Autonomous institution, as on date of submission of bids. (Declaration to be submitted on letterhead)

Note:

1. **Execution of work will be permitted after office hours in weekdays (Monday-Friday) and full days on weekends (Saturday and Sunday) & Public holidays.**
2. CDAC reserves the right to call for additional supporting documentary proofs in support of eligibility criteria's, if required.
3. Bidder is required to appoint a Site Project Manager/ Supervisor at site responsible for coordinating and timely resolutions for all site issues related to Interior/Civil, Electrical, Fire, HVAC works etc.

5. Exemptions:

If in the view of bidder, any exemption / relaxation is applicable to them from any of the eligibility requirements, under any Rules / process/ Guidelines/ Directives of Government of India, bidder may submit their claim for the applicable exemption /relaxation, quoting the valid Rule/ process/ Guidelines/ Directives. In this case the bidder must submit necessary and sufficient documents along with the technical bid, in support of his claim. The decision about granting the exemption/ relaxation will be taken by the bid evaluation committee which is empowered to grant exemption/relaxation. The relevant and valid certificates in support of claim of exemption must be submitted. The bidders should provide sufficient documentary evidence to support the eligibility criteria. C-DAC reserves the right to reject any bid not fulfilling the eligibility criteria.

6. Amendment to Bidding Documents

- At any time prior to the deadline for submission of bids, C-DAC may, for any reason, whether on its own initiative or in response to the clarification request by a prospective bidder, modify the bid document.
- The amendments to the tender documents, if any, will be notified by release of Corrigendum Notice on www.eprocure.gov.in/eprocure/app / www.cdac.in/tender against the tender id. The amendments/modifications will be binding on the bidders.
- C-DAC at its discretion may extend the deadline/Due Date for the uploading of ebids if it thinks necessary to do so or if the bid document undergoes changes during the bidding period, in order to give prospective bidders time to take into consideration the amendments while preparing their bids.



7. Preparation of eBids

- Documentary / Eligibility checklist as per **ANNEXURE - F** should be submitted and documents should be enclosed in the seriatim as mentioned in the checklist. Proper page numbers should also be mentioned in the attached technical document.
- The product offered should be in compliance with the OM NO. 6/18/2019-PPD & No.P-45021/112/2020-PP(BE-II)(E-43780) and OM & Order (Public Procurement No.1) ref. F.No.6/18/2019-PPD dated 23.07.2020 for the offered products as per **ANNEXURE-E**. Please submit the requisite details as per the certificate / undertaking (ANNEXURE – E) accordingly on your letterhead.
- A neat and clean eBids is expected to be uploaded in the form of pdf. Bidder should avoid, as far as possible, corrections, overwriting, erasures or postscripts in the bid documents.
- In case however, any corrections, overwriting, erasures or postscripts have to be made in the bids, they should be supported by dated signatures of the same authorized person signing the bid documents. However, bidder shall not be entitled to amend/add/delete/correct the clauses mentioned in the entire tender document.
- The Bid documents shall be neatly arranged. They should not contain any terms and conditions, printed or otherwise, which are not applicable to the Bid. The conditional bid will be summarily rejected. Insertions, postscripts, additions and alterations shall not be recognized, unless confirmed by bidder's signature.

8. Earnest Money Deposit (EMD) & Performance Security Deposit:-

- **The bidder must submit EMD of Rs.3.35 lac (Three lacs thirty five thousand only). The Bid without EMD shall be considered incomplete and summarily rejected.** Earnest Money required to be submitted along with the tender technical bids shall be in the form of Account payee Demand Draft, Banker's Cheque or Bank Guarantee, or by Onlinemethod payable at Pune in favor of C-DAC from any Nationalized / scheduled Bank of India. The EMD shall be valid for minimum period of 150 days (One hundred and fifty days) from last day of submission of Tender.
- The successful bidder, on award of contract / order, must submit the **Performance Security Deposit/Performance Bank Guarantee @3%**, within 15 days of award of contract/ order, failing which necessary action shall be taken as per CPWD Guidelines and the order will be cancelled.
- The EMD will be returned to all unsuccessful or technically unqualified tenderers after opening of price bid and to the technically qualified tenderers other than lowest (L-1) within thirty (30) days of the Award of the Contract to successful bidder. EMD of successful tenderer shall be refunded after submission of Performance Guarantee/ performance security deposit duly confirmed from issuing bank.

9. Period of validity of bids

- a) **Bids shall be valid for minimum 150 days from the date of submission. A bid valid for a shorter period shall stand rejected.**
- b) **C-DAC may ask for the bidder's consent to extend the period of validity. Such request and the response shall be made in writing only. A bidder agreeing to the request for extension will not be permitted to modify his bid.**
- c) **C-DAC reserves the right to place the order within the mentioned validity period i.e. 150 days from the date of submission of bid.**



10. Deadline for Submission of e-Bids

- Bids must be uploaded before the due date and time as mentioned in the tender document.
- C-DAC will not be responsible for any issues arising/pertaining with the eprocure.gov.in/eprocure/app portal for non-submission, failure in submission of ebids online.
- C-DAC may extend this deadline/Due Date for uploading of bids by amending the bid documents and the same shall be suitably notified.

11. Late Bids

C-DAC shall not be responsible and liable for the delay in receiving the ebid for whatsoever reason.

12. Bid Opening & Evaluation of eBids

- The bids will be examined based on eligibility criteria stipulated at Pt. 4 of Section – II to shortlist the eligible bidders.
- The technical bids of only the short-listed eligible bidders shall be evaluated based on technical specifications stipulated at Section – IV.
- The bidders whose technical bid is found to meet both the requirements as specified above will qualify for opening of the commercial bid and will be informed about the date and time of the opening of the commercial bid.
- The duly constituted Tender Evaluation Committee (TEC) shall evaluate the bids. The TEC shall be empowered to take appropriate decisions on minor deviations, if any.

13. Comparison of Bids

- Only the short-listed bids from the technical evaluation shall be considered for commercial comparison.

14. Award of Order

- C-DAC will award the order(s) to the eligible bidder whose technical bid has been accepted and determined as the **lowest** evaluated commercial bid (All-inclusive amount including GST). **However, C-DAC reserves the right and has sole discretion to reject the lowest evaluated bid.**
- If more than one bidder happens to quote the same lowest price, C-DAC reserves the right to decide on the higher turnover criteria and further process for awarding the contract. Decision of C-DAC shall be final for awarding the contract.
- **C-DAC will place order based on this Bill of Quantity keeping the total price (including GST) quoted by the bidder unchanged.**

15. Purchaser's Right to amend / cancel

- C-DAC reserves the right to amend the eligibility criteria, commercial terms & conditions, Scope of Supply, technical specifications etc.
- **C-DAC reserves the right to vary the quantities to the extent of +/- 20% of the quantities mentioned in the BOQ.**
- **C-DAC reserves the right to cancel the entire tender without assigning any reasons thereof.**



16. Corrupt or Fraudulent Practices

- It is expected that the bidders who wish to bid for this project have highest standards of ethics.
- C-DAC will reject bid if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract;
- C-DAC may declare a vendor ineligible, either indefinitely or for a stated duration, to be awarded a contract if it at any time determines that the vendor has engaged in corrupt and fraudulent practices during the award / execution of contract.

17. Interpretation of the clauses in the Tender Document / Contract Document

In case of any ambiguity/ dispute in the interpretation of any of the clauses in this Tender Document, the interpretation of the clauses by Director General, C-DAC shall be final and binding on all parties.

(END OF SECTION II)



SECTION III: SPECIAL CONDITIONS OF CONTRACT (SCC)

1. Prices

- 1.1. The price quoted shall be considered firm and no price escalation will be permitted. (Except Govt levies/Taxes).
- 1.2. Bidder must offer in INR only.
- 1.3. The prices quoted must be "F.O.R.C-DAC, Pune" inclusive of Providing, fixing, Installation, testing, packing, forwarding, freight, insurance, loading/unloading and allied charges till destination site(s) whichever applicable.

1.4. Applicable GST Rate

The all-inclusive prices including the taxes, duties, CESS etc. shall be considered for the purpose of comparison and deciding Lowest responsive bidder. CDAC will place order with the rate quoted by the bidder or the tariff rate whichever is lower. Further, Bidder shall supply and submit the invoice with GST rate as stipulated in Work Order (WO) / Purchase Order (PO) and CDAC shall pay GST as per the invoice.

NOTE: CDAC shall not provide any GST Concessional Certificate against the subject supply / works.

2. Performance Bank Guarantee:

The successful bidder will be required to furnish the Performance Bank Guarantee (PBG) in INR equivalent to 3% of the order value within 15 days of receipt of Work Order. The PBG should be submitted in the form of Demand Draft / Bank Guarantee / Online Payment RTGS/NEFT/IMPS drawn in favor of C-DAC payable at Pune. The PBG will be valid for the period till completion of work and will be returned upon completion of work of all items.

3. Completeness Responsibility:

The items which are over & above the scope of delivery specified in the Schedule of Requirements/BOQ but considered to be required for completion of project should be immediately brought to the notice of Engineer-In-Chief by the bidder. Any extra/substituted items should be executed only after approval from Engineer-In-Chief as per CPWD Guidelines.

4. Payments:

- a) One Running bill is allowed subject to completion of 50% of work order value.
- b) Remaining 50% payment shall be released in Final Bill only after satisfactory completion of entire scope of work and acceptance by CDAC.
- c) **Retention Money** of 5% will be deducted from each Running Bill and Final Bill, amounting to final capping of 5% of total bill value which will be retained at C-DAC end till the completion of Defect liability period of one year from the date of successful completion of work and certification of Final Bill. (Extant GOI guidelines will be followed) The said retention money of 5% can be released in final bill subject to submission of Bank guarantee of equivalent amount with validity covering the defect liability period of one year.

5. Penalty for delay

C-DAC reserves the right to levy penalty @ of 0.5 % of order value per week of delay beyond the schedule date of completion of work/ execution of the order successfully, subject to maximum of 5% of the order value. The delay in delivery, delay in site preparation, and delay in submission of required documents to C-DAC etc. will be considered for calculating penalties. However, delay due to CDAC or any other statutory delay will not be considered for calculation of penalty.

6. Jurisdiction:



The disputes, legal matters, court matters, if any shall be subject to Pune jurisdiction only.

7. Force Majeure:

C-DAC may consider relaxing the penalty and delivery requirements, as specified in this document, if and to the extent that, the delay in performance or other failure to perform its obligations under the contract is the result of an Force Majeure. Force Majeure is defined as an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, floods, storms etc.), acts of states / state agencies, the direct and indirect consequences of wars (declared or undeclared), hostilities, national emergencies, civil commotion and strikes at successful Bidder's premises or any other act beyond control of the bidder.

8. Arbitration:

In case any dispute arises between the C-DAC and successful bidder with respect to this RFP, including its interpretation, implementation or alleged material breach of any of its provisions both the Parties hereto shall endeavour to settle such dispute amicably. If the Parties fail to bring about an amicable settlement within a period of 30 (thirty) days, dispute shall be referred to the sole arbitrator mutually appointed by both parties. If the sole arbitrator is not appointed mutually by both the parties then the District Court Pune shall have exclusive jurisdiction for appointment of sole arbitrator through court. Arbitration proceedings shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and Rules made there under, or any legislative amendment or modification made thereto. The venue of the arbitration shall be Pune. The language of arbitration shall be English. The common cost of the arbitration proceedings shall initially be borne equally by the Parties and finally by the Party against whom the award is passed. Any other costs or expenses incurred by a Party in relation to the arbitration proceedings shall ultimately be borne by the Party as the arbitrator may decide. Courts in Pune only shall have the exclusive jurisdiction to try, entertain and decide the matters which are not covered under the Arbitration and conciliation Act.

9. Limitation of Liability:

The liability of the supplier arising out of breach of any terms/conditions of the order and addendums/amendments thereto, misconduct, wilful default will be limited to the total contract value.

However, liability of the supplier in case of loss of human life(if any), injury/damage caused to the personnel/property for the reasons attributed to the supplier or to any person deployed by supplier at C-DAC - will be at actuals.

In no event shall Party, its officers, directors, or employees be liable for any form of incidental, consequential, indirect, and special or punitive damages of any kind.



10. Indemnity:

The successful bidder shall indemnify, protect and save C-DAC from/against any claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from/arising out of infringement of any Law /Rule by the bidder, pertaining to the Composite works at first floor at C-DAC Innovation Park, Pune.

11. Assignment:

Selected bidder/ Party shall not assign, delegate or otherwise deal with any of its rights or obligation under this Contract without prior written permission of C-DAC.

However, the selected lowest bidder can sub-contract some of the work / part of the work to suitable vendor with intimation to C-DAC. However, the selected lowest bidder shall be responsible for the quantity, quality and deliverables of the ordered work.

12. Severability:

If any provision of this Contract is determined to be invalid or unenforceable, it will be deemed to be modified to the minimum extent necessary to be valid and enforceable. If it cannot be so modified, it will be deleted and the deletion will not affect the validity or enforceability of any other provision.

13. Right to change scope of work:

C-DAC reserves the right to increase or decrease the scope of work as per C-DAC requirement.

14. Clause - Integrity Pact

The bidder is required to enter into an Integrity Pact with C-DAC. For this, the bidder shall submit the scanned copy of signed, stamped and notarised Integrity Pact on of appropriate denomination, as part of technical bid, failing which, the Proposal submitted by the concerned bidder will be summarily rejected. The original document should be couriered to C-DAC. The format for the Integrity Pact is provided in Annexure.

Details of IEM is provided below:

- 1) Shri. M P Johnson - Email ID- johnsonmp1961@gmail.com
- 2) Shri. Vijay Kumar Singh Email ID - vijaykumarsingh@hotmail.com

(END OF SECTION III)



SECTION IV – SCHEDULE OF REQUIREMENT

TECHNICAL SPECIFICATION

A) Solid Core Flush door Double leaf:-

1. The factory made solid core flush door shutters in double leaves 32 mm thick, decorative type of exterior grade ,conforming to I.S.:2202–1966(Revised), without glazing and venetians including mat finish stainless steel fixtures and fastening ,stoppers and finishing with laminate fixing etc.(Excluding door frame)(Sample to be got approved from Engineer before use)Commercial Hard Wood shutter. The Vision Panel with clear glass of 300x 300mm dia to be provided in each door.
2. Adhesive used for bonding various components of flush door shutters namely, core, core frame, lipping, cross-bands, face veneers, plywood etc. and for bonding plywood shall conform to BWP type, phenol formaldehyde synthetic resin adhesive conforming to IS 848.
3. Samples of flush door shutters shall be subjected to the following tests:
(a) End Immersion Test(b) Knife Test(c) Glue Adhesion Test One end of each sample shutter shall be tested for End Immersion Test. Two specimens of 150 x150 mm size shall be cut from the two corners at the other end of each sample shutter for carrying out Glue Adhesion Test. Knife Test shall be done on the remaining portion of each sample shutter.

B)PLASTERING

The following IS apply to this Section:

I.S.No.	Subject
1542-1977	Specification for sand for plaster (First revision)

Definitions

- a) The term 'Plastering' shall cover all type of rough or fair finished plastering, rendering, floating and setting coat or finishing coat, screed, etc., in cement mortar.
- (b) "Dubbing out" shall mean filling in hollows in the surface of wall and roughly leveling up irregular or out of Plumb surface prior to rendering.
- (c) "Rendering" or "rendering out" shall mean the plaster coat, which is applied following the "Dubbing out" or the final coat in case of one coat work.
- (d) "Floating coat" shall mean the second coat in a three coat plaster work, to bring the rendering coat to a true and even surface before the setting or finishing coat is applied.
- (e) 'Setting or finishing coat' shall mean final coat in a two or three coat Plaster work.
- (f) "Thickness of Plaster' shall mean the minimum thickness at any point on a surface. This dose not includes thickness of dubbing out.
- (g) The term "even and fair" as referred to finishing of the plastered surface shall mean a surface finished with a wooden float;
- (h) The term "even and smooth" as referred to finishing of the Plastered surface shall mean a surface leveled with wooden float and subsequently smoothed with a steel trowel.

Sand

Unless otherwise indicated, sand for plastering and pointing shall conform to IS 1542-1977, Specification for sand for Plaster. Sand shall consist. of natural sand, except where, crushed stone sand or crushed gravel sand or a combination of any of these are indicated. The sand shall be hard, durable, clean and free from adherent coating and organic matter and shall not contain any appreciable amount of clay balls. Sand shall be obtained from approved sources.



Deleterious Materials:

Sand shall not contain any harmful impurities such as iron pyrites, alkalies, salts, coal, mica shade or similar laminated materials, soft fragments, sea shells and Organic impurities in such quantities as to affect adversely the hardening, the strength and the durability or the appearance of the Plaster or applied decoration or to cause corrosion of metal lathing or other metal in contact with Plaster. The maximum quantities of clay, fine silt, fine dust shall be not more than 5 per cent by weight. Origin impurities in the sand shall not exceed the following limit 'that the colour of the "liquid is low that indicated by comparison with the standard solution specified 6.2.2. of IS 2386 (Part II)-1963'.

The particle size grading of sand for plaster and pointing work shall be as under, unless otherwise specified to conform to the sample maintained by the GE for the purpose.

IS Sieve designation	Percentage Passing by Weight
10mm	100
4.75 mm	95-100
2.36 mm	95-100
1.18mm	90-100
600 microns	80-100
300 microns	20-65
150 microns	0-5

NOTE: Where the grading falls outside the limits of grading zones of sieves other than 600 micron IS sieve by a total amount not exceeding 5 percent, it shall be regarded as falling within the grading. This tolerance shall not be applied to percentage passing the 600 micron IS sieve or to percentage passing any other sieve size on the finer limit.

NOTE:-Sand who's grading falls outside the above limits shall be processed to comply with the standard by screening through a suitably sized sieve and/or blending with required quantities of suitable sizes of sand particles.

Aggregates

All aggregates other than sand shall conform to IS 383-1970, Specification for coarse and fine aggregates from natural sources for concrete. Refer Section 4-concrete.

Integral water Proofing Compound

Refer Section 4-Concrete.

Metal Lathing

Metal Lathing shall be of wire netting or expanded metal is indicated.

Lime Putty (Neeru)

Lime Putty shall be obtained by slaking fat lime with fresh water and sifting it. Putty shall be kept moist until used and the quantity prepared at a time shall not be more than that can be consumed in 7 days. .

Water

Water used for mixing and curing shall be clean, free from deleterious matter and also from unusual proportions of dissolved salts. Sea water or tidal actuary or brackish water shall not



be used. Water fit for drinking is normally suitable.

WORKMANSHIP Scaffolding

Where possible, independent scaffolding shall be used to obviate the subsequent restoration of masonry in put log and other bricks in the work. Stage scaffolding shall be provided for ceiling plaster.

Preparation of Mortar for Plastering and Pointing Cement and Cement Lime Mortar:

These shall be prepared as described in Section 5-brickwork. These shall quantities as required and applied within 30 minutes of mixing. .

CEMENT

Unless otherwise indicated, Cement shall be Ordinary Portland cement, 43 grade conforming to IS 8112 of approved make/ brand. Use of any other grade of cement incase of extreme emergency shall be with the specific approval from the consultant and Engineer – in – Charge.

C) WALL CARE PUTTY

1. Provide wall care putty to the specification catered for in the bill of quantity. Approved make of putty shall only be used.
2. **Surface preparation:** Remove all loosely adhering material with a help of emery stone, putty blade or wire brush and clean water. The substrata should be clean, free from dust, grease loose materials. Dry and absorbent surface should be moistened with sufficient quantity of clean water. Mixing of putty shall be done with 33-35% clean water slowly mixing to make a paste till a uniform paste is formed.
3. **Application:** The first coat shall be applied on already moistened wall surface from bottom to upward direction uniformly with help of patty blade after drying of first coat of putty the surface will be gently rubbed with wet sponge or with putty blade in order to remove the loose particle. Allow the surface to dry for at least three hours before applying the second coat of putty after drying of second coat marks if any will be removed with the help of moist sponge or with the putty blade.

D) PAINTING

1. All paints & allied materials shall be of quality not inferior to that required by the relevant IS specification. Paints, etc. shall be ready mixed. The colour& tints of paints , unless indicated shall be as approved by the EIC.
2. The contractor shall inform the EIC, well before he places bulk order for the materials ,the names of the brands & manufactures of paints he proposes to use in the works & submit samples thereof & obtain prior written. approval of the EIC.
3. The whole of the materials required for the painting work shall be obtained direct from, approved manufacturers or their authorized agents & shall be brought to the site in makers, drums, k gs, etc. with seals unbroken.
4. **Compatibility of paints :**Before considering the application of undercoats, it shall be made sure that those selected are compatible with each other. The primer, filler, undercoating & finishing paints shall be of paints made by the same manufacturer.
5. **Storage of paints:**All containers of paints, thinners & allied materials shall preferably be stored in well ventilated room free from excessive heat, sparks or flame or direct rays of sun. The containers of paint shall be kept covered or properly fitted with lid & shall be kept open except while using. Materials, which have become stale or fat due to improper & long storage shall not be used or mixed with usable stuff.
6. **Painting Work-Generally:** The type of paint & allied material to be the number of coats to be applied, the preparatory treatment appropriate to the surface & any special process or treatment to be adopted shall be as indicated.



7. Where more than one coat is indicated, each coat shall be approved, in writing, by EIC before the next coat is applied.
8. No painting work shall be carried out in wet & very humid weather when there is danger of dew or weather is otherwise unfavorable. No painting or any other process likely to be damaged by dust shall be carried out in windy weather.
9. Painting except the priming coat shall be taken in hand after all other builder's work is finished
10. The paint in the drum shall be thoroughly mixed prior to application. The materials shall be mixed, prepared & applied strictly in accordance with the instructions or recommendations 'of the manufacturers except where otherwise directed by the EIC. The paints shall be mixed periodically during brushing.
11. **Addition of Thinners:** Thinners (such as mineral turpentine) shall not be added to paints on the feeling that the consistency of the paint supplied by the manufacturer is too thick. If the paint has been manufactured to conform to the specifications, the paint shall have the correct consistency & shall not require further dilution. If there is any doubt, the viscosity of the paint may be checked. If a slight adjustment of viscosity is necessary thinner, recommended by the manufacturer shall be used after prior approval of EIC. The surface must be thoroughly dry & clean before painting work is proceeded with at all stages or processes of work. All dust, dirt, rust, & grease shall be removed before painting is started. Painting shall follow immediately after pre-cleaning or pre-treatment; any contamination which may occur in the intervening period shall be removed. Every individual coat shall be properly applied, reasonably level smooth & free from runs & holidays (minute uncovered areas).
12. **Drying Time:** For paint film to perform in unison, each coat of paint shall be allowed to dry sufficiently but not excessively before a subsequent coat is applied. Manufacturers' instructions for drying time shall be adhered to properly
13. **Flattening down:** Cutting of primer & undercoat shall be done to provide a key for subsequent coats. The primer coat, with or without putty, shall be dry cut & the undercoat with or without putty for spot work, shall be wet cut with waterproof emery paper No. 220/240. In the case of under coatings without putty, surface prior to finishing coat, shall be wet cut with waterproof emery paper No. 280/320. The surface shall be dry, clean & free from dust before subsequent coat is applied.
14. **Appearance:** The painted surface shall have a clean uniformly colored appearance. No hair marks from the brush or clogging of paint puddles in the corner of panels, angles of molding etc. shall be left on the work.
15. **Color:** Correct color matching shall be judged against. a sample having the same type of surface as that to which the paint has been applied. In painting doors & windows, the putty round the glass panes shall also be painted but care shall be taken to ensure that no paint, stains, etc. are left on the glass. Tops of shutters & surfaces in similar hidden locations shall not' be left out in painting. .
16. **Scaffolding:** The scaffolding as required shall be erected for proper execution of work. If the work can be done safely with a ladder or jhoola these may be permitted in the place of scaffolding.
17. **Brushing of painting:** Clean pliable brushes free from loose bristles shall be used. Paints shall not show objectionable pulling under the brush. The brush shall be such that the paint does not show lapping streaks & works satisfactorily under it. Cleaning of paint containers shall be done only with paint thinners, which are compatible with the paint to be filled.
18. **Brush Application:** While applying. the paint, the brush shall be held at an angle of approximately 45 degree to the vertical surface & several light strokes applied in the area to be painted., so as to. first transfer the paint to the surface. During painting, the brush shall also be turned around 180 degree in order to ensure that the paint on both the faces of bristles is utilized completely. The paints are then spread with gentle



pressure so as to hide the surface & produce a uniform coating. Ensure that the ends & not the sides of the bristles come in contact with the surface during painting. The paint shall be applied; first using vertical strokes until the surface are covered, & then brushed crosswise for complete coverage with light strokes, so as to smooth out laps & brush marks, & finally laid off with vertical strokes.

19. **Plastic Emulsion Paint and Enamel Paint:** Plastic (Acrylic) Emulsion Paint and Enamel Paint: Plastic emulsion painting will be of approved brand of paint and colour conforming to IS: 5411-1991 & will be applied over a coat of primer (including preparation of wall surface). Painting for the doors will be carried out with synthetic enamel paint of approved brand and colour over one coat of primer, all of relevant IS specifications 4511-1993.

E) MINERAL FIBRE CEILING TILE

a. 15 mm Mineral Fibre ceiling Tile

i. Material

Ceiling tiles shall be made of mineral fibre of dimension 595x595mm with 15 mm thickness humidity resistance 99% Thermal conductivity $K = 0.052-0.057$ w/mK colour white, fire performance UK Class 0/Class 1 (BS 476 pt -6&7) suitable for green building application (GRIHA Criteria 17 & 29 SWAGRIHA 12) with recycled content not less than 30 % and light reflectance not less than 85%. NRC of 0.55 to 0.6. The tile and grid should carry a limited warranty of one year against sag.

Technical Specifications for HVAC Work-Ducts Modifications/Additions &Cassette/Split type air conditioners

(Note:-In case of any omission/conflict, CPWD GENERAL SPECIFICATIONS for HEATING, VENTILATION & AIR-CONDITIONING (HVAC) WORKS (2017) will be referred)

Scope:

- 1) Supply, installation as per scope given below, testing and commissioning of Cassette type air conditioners including remote, mounting brackets for outdoor and indoor units as given in BOQ.
- 2) Supplier shall bring all tools and tackles required for installation, testing & Commissioning of air conditioner units.
- 3) Down rods with all accessories like washer, bolts etc. for mounting indoor unit of cassette type air conditioners shall be supplied and installed by the bidder and the cost of the same shall be included in the quoted price.
- 4) Hangers required for routing the drain pipe from indoor unit to outdoor unit shall be supplied by the bidder and the cost of the same shall be included in the quoted price.
- 5) Hangers required for routing the Copper tube, cable from indoor unit to outdoor unit shall be supplied by the bidder and the cost of the same shall be included in the quoted price.
- 6) All drilling works required for successful installation of air conditioner units shall be done by the supplier.
- 7) Mounting brackets (as per BOQ) required for installing outdoor unit and indoor unit shall be supplied by the supplier and the cost of these shall be included in quoted price.



- 9) Gas charging if required shall be done by the supplier at the site at free of cost for successful commissioning.
- 10) Installation of the air conditioners shall be carried out using proper tools and procedures as per manufacturer guide lines.
- 11) O&M manual shall be supplied for each set of air conditioner.

The bidder shall send technical catalogue of the air conditioners which they are offering along with offer. Technical catalogue shall contain all technical details, model no., dimensions, weight and GA drawing.

Installation of air conditioners:

1. Supplier shall carry out modifications required in false ceiling for installing air conditioner unit and it shall be fixed back as it is existing.
2. Indoor unit of cassette type air conditioners is to be mounted on mild steel channel provided (by supplier) above false ceiling. Making holes on steel channel as per the requirement for mounting indoor unit shall be done by the supplier.
3. All connections from indoor unit to outdoor unit like copper tube, copper cable connections etc. shall be done by the bidder.
4. Bidder shall take proper care while removing and fixing back false ceiling. If any damage is observed during installation, same is to be rectified/replaced up to the satisfaction of C-DAC.
5. All tools required for installing air conditioner unit shall be brought by the bidder.

Testing to be done after Installation:

1. Compressor current and cooling temperature shall be tested
2. Air conditioners will be switched ON and cooling effect will be checked
3. Air conditioners will be switched ON/OFF 10 times in one hour recommended procedures.
4. Water drain shall be checked by flowing water.
5. Remote operation checking.

Acceptance:

Acceptance shall be based on the testing, performance and satisfactory working of Air Conditioners.

Guarantee:

Material supplied shall be guaranteed against any manufacturing defect or trouble free performance for a period of 12 Months for complete unit and 5 Years on Compressor from the date of commissioning. During this guarantee period of one year servicing shall be carried out at free of cost as per manufacturer standard.

Technical Specifications for Fire Protection system Work-



(Note:-In case of any omission/conflict, IS Codes,NBC standards, CPWD GENERAL SPECIFICATIONS for Fire Protection System will be referred)

The vendor shall access and inspect the site. The prepared drawing shall be duly vetted by Fire department before execution of the work. After execution of fabrication, installation of fire protection system vendor to obtained Fire NOC for the entire 1st floor north wing of CIP building.

Liasoning with Fire department and obtaining Fire NOC for the North wing of 1st floor by submitting require documents such as Form A, Form B ,Technical submittal etc complete. The statutory fees will be paid by CDAC but necessary steps is in vendor scope.

TECHNICAL SPECIFICATION FOR ELECTRICAL AND ALLIED WORK

1.GENERAL REUQUIREMENTS (SCOPE OF ELECTRICAL INSTALLATION WORKS).

(Note:-In case of any omission/conflict, CPWD General Specifications for Electrical Works Part -VI Fire Detection and Alarm System – 2018 Or latest will be referred)

The general character and the scope of work to be carried out under this contract is Illustrated in Specifications and BOQ. The Contractor shall carry out and complete the said work under this contract in every respect in conformity with the contract documents and with the direction of and to the satisfaction of the Owner's site representative.

The Contractor shall furnish all labour, materials and equipment (except those to be supplied by the owner) as listed under Bill of Quantities and specified otherwise, transportation and incidental necessary for supply, installation, testing and commissioning of the complete system as described in the Specifications and as shown on the drawings.

This also includes any material, equipment, appliances and incidental work not specifically mentioned herein or noted on the Drawings/Documents as being furnished or installed, but which are necessary and customary to be performed under this contract.

The Contractor shall Prepare the execution drawings and as built-in- drawings.

Minor civil works like drilling and punching holes and openings in concrete floors, slabs, chasing of brick walls, fabrication of supporting structures, drainage of water from cable trenches, cleaning and clearing of all debris due to electrical installation.

Coordination with other contractors with regard to installation of items in Electrical Contractors scope.

The extent of work services under the contract includes all items shown on the drawings, indicated in companion with specifications, notwithstanding the fact that such items have been omitted from the price schedule. All equipments and services which are required to complete the intent of the contract shall also be deemed to be within the scope of the contract.

Training to Owner's Staff.

COMPLIANCE WITH STANDARDS.

STANDARDS:



Comply with the requirements of all relevant Indian Standards (IS) or equivalent British Standards (BS) regarding equipment manufacture, design and installation whether or not these are specifically mentioned in the Specification.

ALTERNATIVE STANDARDS:

International Standards (ISO) or (IEC) which are equivalent to the appropriate Indian Standard (IS) may be used. Other standards may be offered as an alternative only if submitted for approval along with the equipment manufacturer's written assurance that they are equal to BS, ISO or IEC Standards.

DISCREPANCIES:

In the event of a discrepancy between the Specification and any IS or BS or other approved standard request clarification in writing from the Engineer.

CODE, REGULATIONS AND STANDARDS

The installation shall conform in all respects to Indian Standard Code of Practice for Electrical Wiring Installation I.S.732-1982. It shall also be in conformity with the current Indian Electricity Rules Safety Codes and the Regulations and requirements of the Local Electrical Supply Authority.

Wherever this specification calls for a higher standard of materials and/or workmanship than those required by any of the above regulations, this specification shall take precedence over the said regulations and standards.

In general, the materials, equipments and workmanship not covered by the above shall conform to the following Indian Standards(latest),unless otherwise called for. Nothing in the enclosed specification shall be construed to relieve the contractor of this responsibility.

ASSOCIATED SERVICES WORKS.

The Contractor shall co-ordinate his Working Drawings with required co-ordination of all other works simultaneously going on at site.

TESTS:

1. Carry out all tests, adjustments and commissioning described in this Specification in order to give an effective working installation to the satisfaction of the Engineer. The work package contractor shall establish a database of all tests and test results and ensure that this is kept up to date. A record of the test results/ progress shall be recorded at each site meeting.
2. Adequate notice shall be given to allow the engineer to study, assess and review any test procedures to be witnessed. The minimum notice required shall be forty eight (48) hours.
3. The contractor shall submit a full method statement indicating the tests, and testing procedures to be carried out/ witnessed etc. Details of all instrumentation used shall be recorded.
4. The original test sheet of all tests witnessed by the Engineer must be signed and witnessed by the engineer and a copy of the test sheet handed over to the engineer immediately following



the test(s). Any unsigned test record shall be rejected by the engineer and the specific equipment/ plant item retested. Any cost associated with this retesting shall be borne by the work package contractor.

WORKMANSHIP:

Carry out all installations in a neat and workmanlike manner to the satisfaction of the Engineer.

WORKING DRAWINGS:

Provide drawings as described in this Specification.

INSTRUCTION MANUALS:

Provide manuals as described in this Specification.

SUPERVISION.

Provide, throughout the whole period in which installation work is being carried out, a suitably qualified site supervision to oversee the complete installation work.

SAMPLES.

Provide samples of any materials to be used on site as and when requested by the Engineer.

Note that the Engineer may require the samples to be subjected to tests to ensure compliance with British Standard and other relevant specifications. The cost of such tests shall be borne by the Contractor. Adequate time shall be given in order to allow the Engineer to study, assess and review any sample offered.

STANDARDS AND CODE OF PRACTICE:-

The work shall be carried out as per the enclosed Specifications of work and the construction drawings to be issued from time to time. These specifications shall be read in conjunction with National Building Code, National Electrical Code 1985, Relevant Codes of Practices and Standards as issued by ISI and Indian Electricity Rules, CPWD specifications for electrical works (all with the latest amendments). The installation shall conform in all respects to Indian Standard code of Practices. Following BIS codes shall be referred –

- a) National Electrical Code
- b) IS: 694 – 1977: PVC insulated cables for working voltage up to and including 1100volts
- c) IS: 732 -1989: Electrical wiring installation
- d) IS: 1225 -1938: Installation and Maintenance of power Cables up to and including 33 KV Rating
- e) IS: 1554: PVC insulated heavy-duty electrical cables.
- f) IS: 1860: Installation operation and maintenance of passenger and goods elevator.
- g) IS: 2309 -1989: Protection of building and allied structures against lightning.
- h) IS: 3043 -1987:Earthing
- i) IS: 3646 (Part-1) -1992: Interior Illumination
- j) IS: 3661 (Part-2) -1967: Current rating for cable
- k) IS: 3661 (Part-5) -1968: Current rating for cable
- l) IS: 5216 (Part-1) -1982: Recommendations on safety procedures and practices in electrical work.



- m) IS: 7098 (1 & 2): XLPE insulated cables
- n) IS: 10028 (Part-1) -1985: selection, Installation and Maintenance of Transformers
- o) IS: 10118 (Part-1) -1982: Selection, Installation and Maintenance of switchgear and Control gear



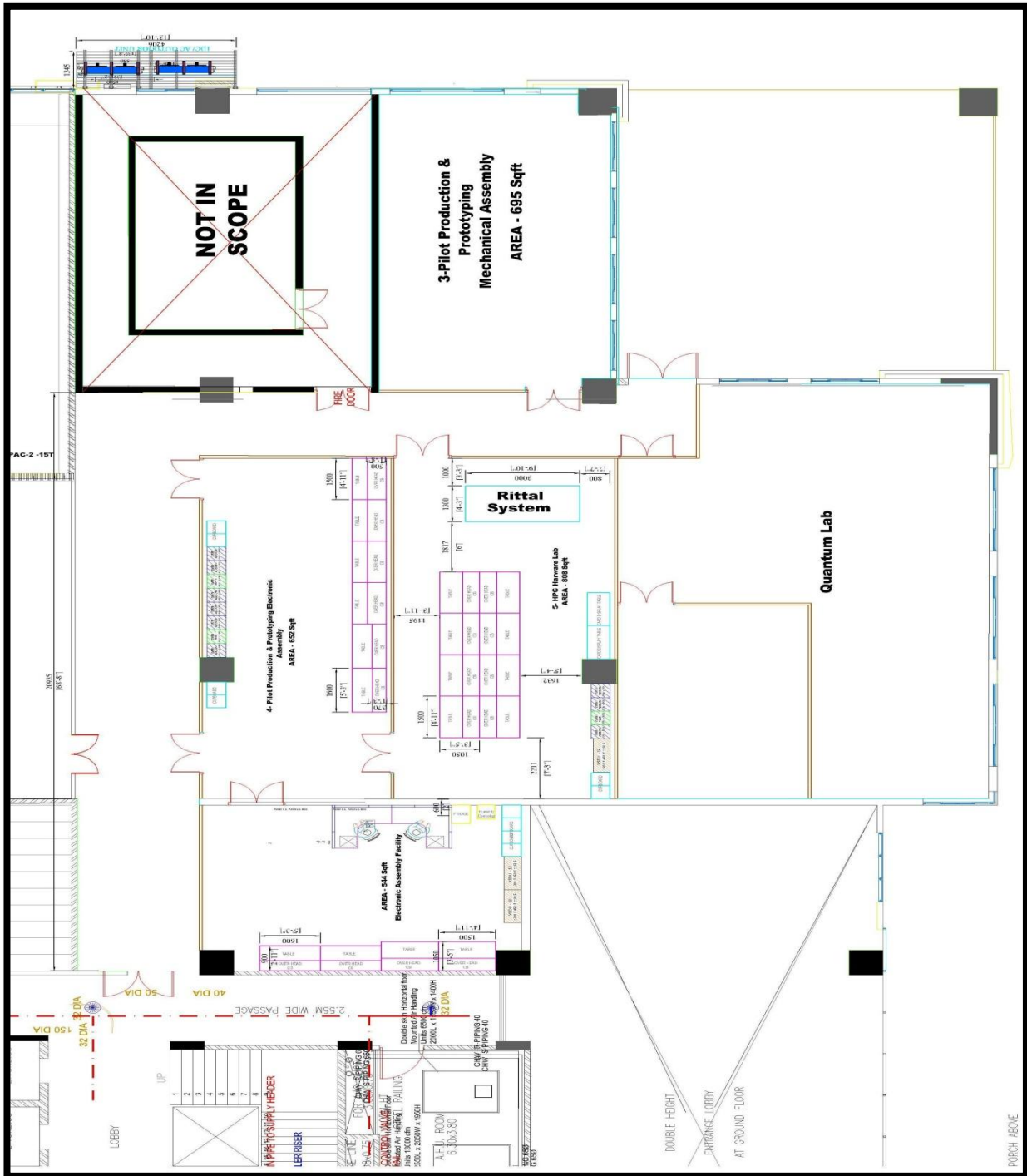
EXECUTION & HANDING OVER AND TAKING OVER OF WORKS / EQUIPMENT / SYSTEMS.

The successful Bidder has to submit all working/shop drawings such as Furniture Drawings (Linear Modular Tables, Chairs), False-Ceiling Drawings, Electrical Drawings, Raceway Drawings, Reflected Ceiling Plan, Lighting Drawings, HVAC/Ducts/Diffusers Drawings along with CFM calculation and Fire Drawings before starting execution of works. After execution, three (03) sheets of As-Built Drawings has to be submitted for all above mentioned.

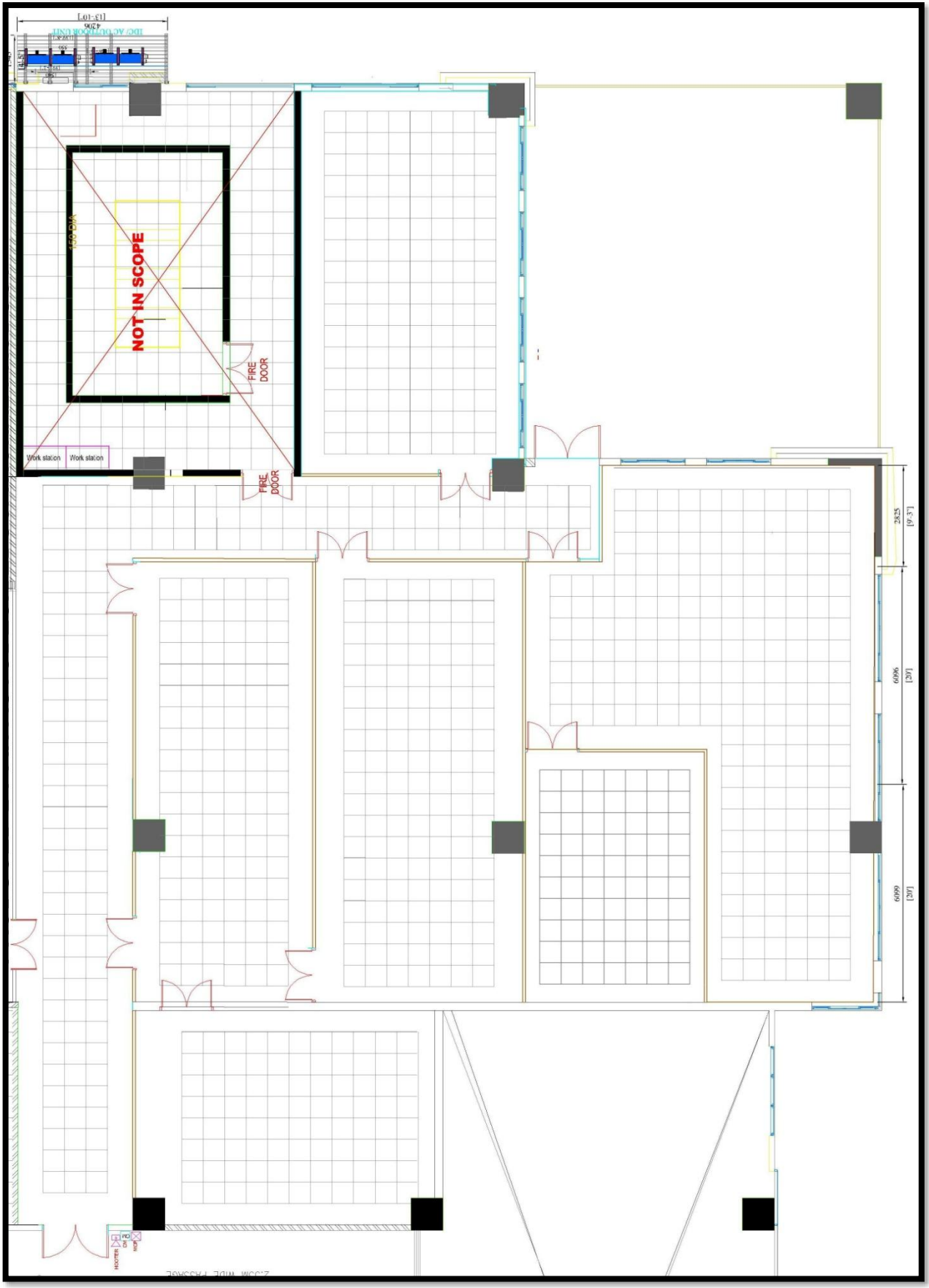
The Contractor shall hand over and the Owner shall take over the works/equipment's/systems covered under this contract only after they have been completely installed, tested and commissioned in all respects by the Contractor to the entire satisfaction of the Owner. And all relevant test forms/certificates operation and maintenance manual's, as built drawings, etc. Incomplete/partly commissioned works/equipment/system will not be taken over by the Owner. **The warranty of equipment is for one year after successful installation & commissioning certified by CDAC.**

DRAWINGS

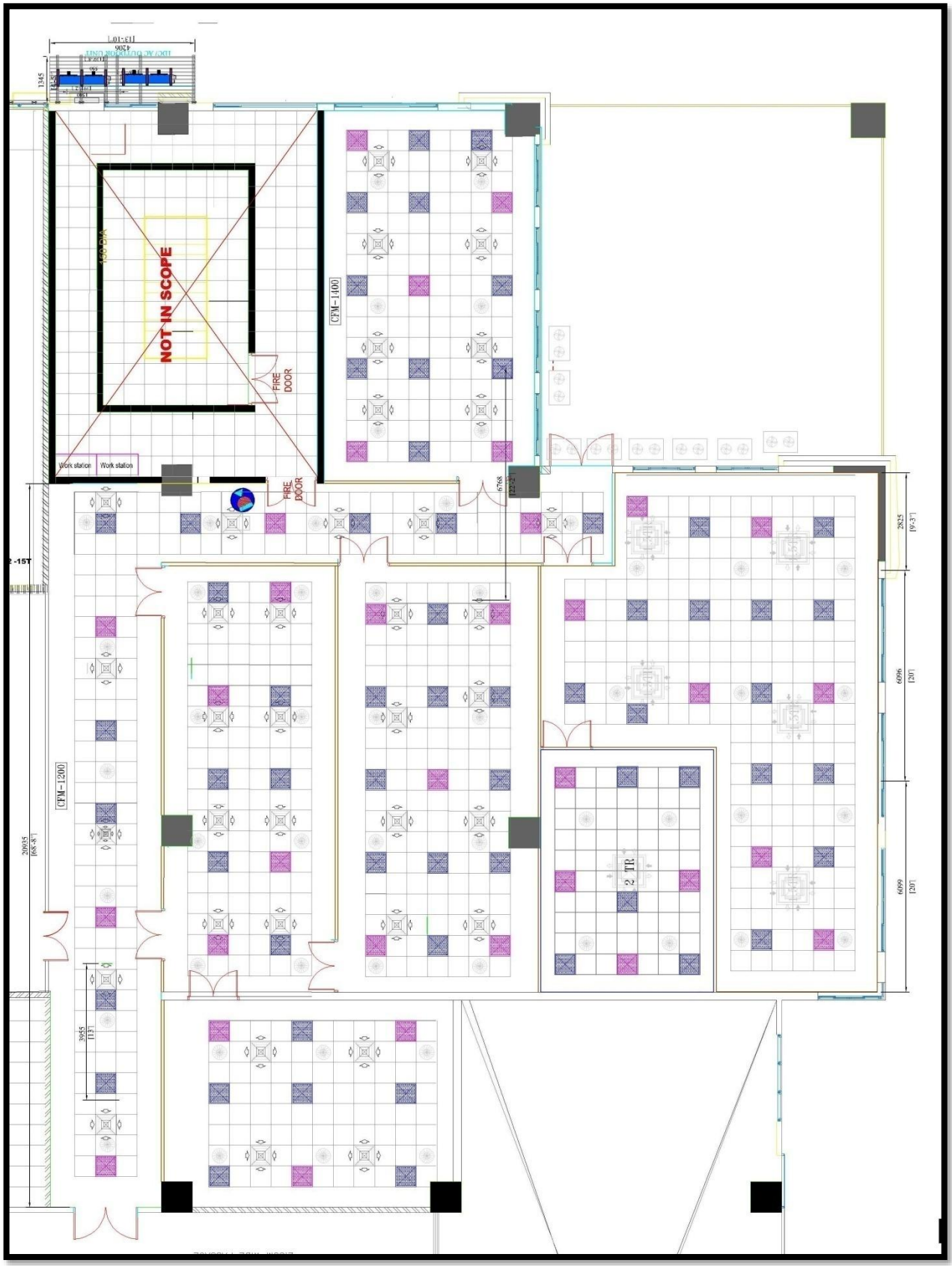
1. Partition Layout



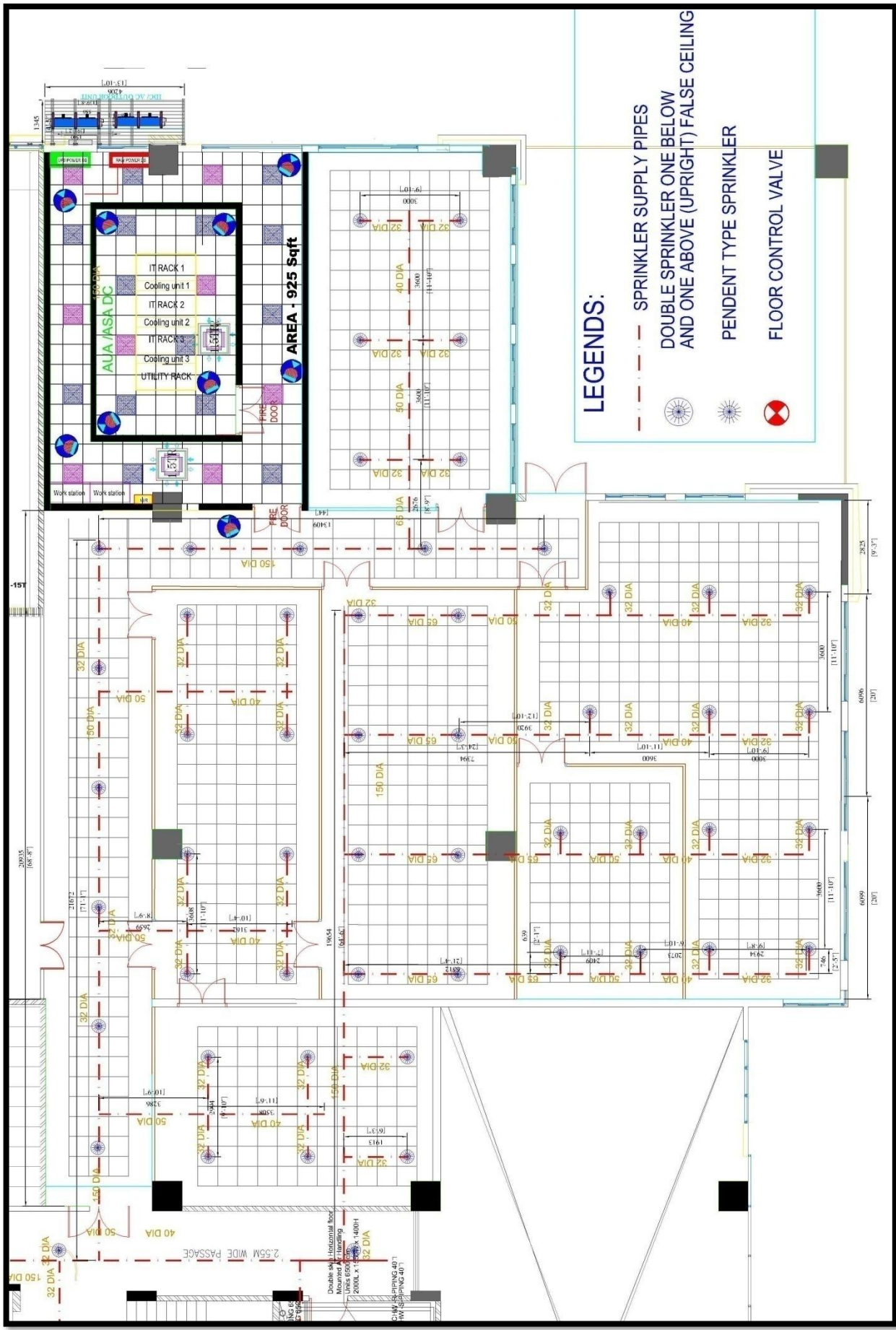
2.False Ceiling Layout



3. Lighting Layout:-



4. Fire Alarm System



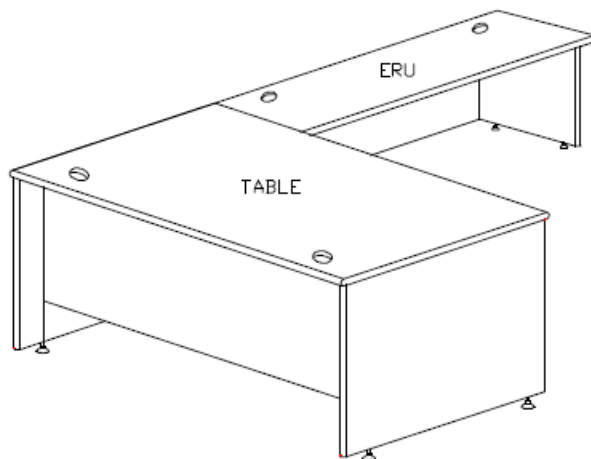
5.HVAC System



Staff Table & Pedestal unit



Table of Size 1500 x 750 mm with Extended return Unit





LIST OF RECOMMENDED MAKEFOR INERIOR/CIVIL WORK

Sl.No.	Item	Approved / Recommended Make
1	Cement	Ultra Tech, ACC, Century, Grasim, Ambuja
2	False Ceiling	Armstrong, AMF, Indian Gypsum Board,USG India
3	Door Closer	Hardwin, Everite, Dorma, Godrej
4	Paints/Distemper	Asian Paints, Berger, ICI
5	White cement	JK ,Birla etc.
6	Stud Anchors , chemical adhesives for rebar fixing	HILTI ,FISHER, or any approved
7	Glass for partition	Modi, Asahi, Saint gobain
8	Plywood	Century, Kit ply, Green ply
9	Rock Wool Insulation	UP TWIGA or Equivalent
10	Gypsum board	India Gypsum ,Gyproc
11	Flush Door	Century ,Indian Plywood, Kit ply, Green ply
12	PVC Carpet	Krishna Vinyle, Rikvin, Armstrong, FORBO Switzerland, LG Floors
13	Furniture-Linear Modular Work Station for both staff area and classrooms , Staff&facultyChair	Godrej, Euro Caustic, Neel Kamal, Steelcase, Feather light ,Bluebell or equivalent as per approval of client.
14	Laminates	Marino or Equivalent as approved by client ,(matching with rest of interior.)
15	Tiles	Kajaria / Johnson /Somany or Equivalent as approved by client
16	Any other Material	With approval of Client

LIST OF RECOMMENDED MAKE FOR HVAC WORK

Sl.No.	Item	Approved / Recommended Make
1	Cassette/Split AC	Daikin ,Blue star, Carrier ,Mitsubishi,Hitachi,LG
2	Structural steel	SAIL, Jindal,Tata
3	CPVC Pipes	Prince,Finolex,,Jain, Kisan
4	Ducting	SAIL, Jindal,Tata
5	Insulation	UP TWIGA or Equivalent
6	Diffuser/Grilles/Registers/VCD	Cosmos or Equivalent as approved by client
7	Actuator	Belimo or Equivalent as approved by client
8	Temperature and Pressure Gauges	H.Guruor Equivalent as approved by client
9	Any other Material	With approval of Client



LIST OF RECOMMENDED MAKE FOR FIRE WORK

Sl.No.	Item	Approved / Recommended Make
1	MS Pipes	TATA/Jindal/Swastik
2	Gunmetal Ball Valves	Leader/DRP/Sant/Zoloto/TBS
3	Sprinkler Head	Tyco/Grinel/Viking
4	Cables	RR Cable /Polycab/Paramount/Finolex/Havells
5	Pressure Gauge	H/Guru/Fiebig
6	Enamel Paint	Asian/Nerolac/Berger
7	Sprinkler flexible pipe (UL Listed)	New Age, spectrafire, Tyco
8	Any other Material	With approval of Client

RECOMMENDED MAKES FOR ELECTRICALWORKS: -

ITEM	Approved / Recommended Make
MCCB/MCB/DB	Schnieder/ Hager/ SIEMENS/ MDS/C&S /ABB
TPN Switches & HRC Fuses	Schnieder/ Hager/ SIEMENS/ MDS/C&S /ABB
MCBs / Isolators & Distribution Board	Schnieder/ Hager/ SIEMENS/ MDS/C&S /ABB
Cables	Polycab / Finolex /RR/ Havells /Universal/Asian/ Gloster
PVC insulated copper conductor wire	MK/ Polycab/ Finolex/RR
Lighting Fixtures (LED)	Philips/GE/ Wipro
DBs	SIEMENS / Schneider/ Legrand/ Hager/ MDS
Modular Switches & ModularPlugs/ Sockets/RJ-45 Ports	Roma/ MK/ CG/ Schneider/Legrand
Fire Alarm Control Panel & Smoke Detectors	Secutron / Notifier / Edward / Bosch / Cooper/ Siemens / Morley/Ravel/Apollo
FRLS Armoured Cable	Finolex / Neolex / Polycab / KEI / Ravin / Thermoflex / RPG / RR Kabel / Lapp
PA System/Speaker	BOSCH /AHUJA
ACCESS CONTROL SYSTEM	Honey well, Cisco, Siemens, Technocrat, eSSL
Cassette/Split Air Conditioner	Daikin , Blue Star, Carrier , Hitachi,Mitsubishi
LT Main Panel/Sub Panels	CPRI approved Panel Manufacturer
Gas Release Panel	Ravel or Equivalent as approved by client
Smoke Detectors/RI/Hooters/MCP	Siemens /Apollo/Ravel/Honeywell / Morley
Data /Telephone cable, Fibre cable	D-link, Commescope or Equivalent as approved by client
Any other Material	With approval of Client

(END OF SECTION IV)



SECTION V - Price Schedule:

BOQFOR 1STFLOOR NORTHWING

Sr.No	Description	Qty	Unit
1	<u>Civil Work</u>		
1.01	Providing and laying vitrified glassy/ mirror finish tiles having size 590mm to 605mmx to 590mm to 605mm of 8 to 10 mm thickness and confirming IS.15622-2006 matching with existing (Group Bla) of approved make, shade and pattern for flooring, dado & Skirting in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and cleaning etc. complete	507.18	Sq. M.
1.02	M20 Concrete for Bed : Providing and laying Cast in situ/Ready Mix cement concrete in M20 of trap/ granite/quartzite/gneiss metal for steps including steel centring, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface, only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centring will not be allowed.), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	34.92	Cu. M.
1.03	Dismantling brick masonry in lime or cement mortar and stacking the materials as directed with all leads, lifts etc	0.92	Cu. M.
1.04	Providing Autoclaved Aerated Concrete Block masonry of conforming to IS:2185 (Part 3) - 1984 in extra fine jointing mortar of fixoblock of UltraTech or equivalent in superstructure including striking joints, raking out joints and scaffolding etc. Complete. (The test shall be carried out conforming to IS:6441 (Part I) - 1972)	1.52	Cu. M.
1.05	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete.	13.20	Sq. M.

Sr.No	Description	Qty	Unit
1.06	<p>PROVIDING & FIXING CLEAN ROOM ESD F(TARKETT)-2 MM THICK, The surface should be cleaned and surface preparation should be done using self Levelling Compound. This will be achieving a levelling of about 2mm thickness. This should allow to be cured for 18 hours depends on whether condition or maximum 24 hrs before installation of ESD flooring. Conductive Adhesive should be spread by toothed adhesive spreader 250 - 300gms/sq. m .Copper grouting strip shall be placed /put as per the safety standard. (1.Surface to Ground & Surface to Surface Resistance tests should be carried out once the installation is completed. This will be Complaint to ESO / ESD S.7.1 standards for ESD Floor. 2. Total system resistance test as per EOS / ESD STM 97.1 standards also should be carried out. 3.Walking body voltage tests also should be carried out as per EOS / ESD STM 97.2 standards.)</p>	405.88	Sq. M.
1.07	<p>Lustre Painting: Providing and applying impression luster paint of approved make & approved brand Emulsion paint to interior walls and ceilings of approved quality, colour and shade to new surface in two coats, including subsurface preparation by Acrylic putty and Acrylic primer coats including scaffolding, preparing the surface. etc. complete (Low VOC).</p>	283.29	Sq. M.
2	<p><u>New partition, ceiling and aligned work</u></p>		
2.01	<p>Providing & Fixing in position, Acoustical partition (Flooring to 3m height) made from 12mm w p Plywood & 1mm laminate on both side, 50x50 mm commercial-wood frame of 600x600 c to c having wooden supports from wall of required length, in front of 1000 Gsm synthetic wool 50 mm , including cost of required Cut-Outs, decorative mouldings / finishing-items/paint & Scaffolding, as per Architectural & Acoustical Design & Instructions & Complete in all aspects. Including all materials labour, finishing etc complete. (Laminates colour & pattern should match with existing colour and pattern of floor)</p>	128.01	Sq.M.

Sr.No	Description	Qty	Unit
2.02	<p>Providing & Fixing in position Acoustical partition , partly laminated partly glaze (Flooring to 3m height) (finished in laminate on both the sides for part area and toughened glass 12mm thk. as per design) Acoustical partition made from 12mm w p Plywood & 1mm laminate on both side, 50x50mm commercial wood frame of 600x600c to c having teak wood supports from wall of required length, in front of 1000 Gsm synthetic wool 50mm thick including cost of required Cut-Outs, decorative mouldings/ finishing-items / pain & Scaffolding, as per Architectural & Acoustical Design & Instructions & Complete in all aspects. including all materials labour, finishing etc complete. Laminate to be of Merino(Micro line) range. (Note : Frosted glass film matching with existing pattern has to be provided by vendor only, make 3M or equivalent) (Toughen glass dimension 0.9m (ht) with suitable length)</p>	75.05	Sq.M.
2.03	<p>Providing & Fixing in position, Wooden Frame for Acoustical Partition (3m to ceiling Height) (Only Frame work, ply and laminate not to be considered) Providing & fixing in position a wooden framework for acoustical partition from 3m to ceiling height using 50x50 mm commercial wood frame at 600x600 mm center-to-center spacing, with necessary wooden supports from the wall of the required length. The work includes necessary cut-outs, scaffolding, and finishing as per architectural & acoustical design and instructions, complete in all respects, including all materials, labor, and finishing</p>	75.04	Sq.M.
2.04	<p>Column cladding with commercial wood frame, finished in laminate Fluorescent. The t.w. frame 2" x 1 1/2" @ 1'6"x1'6" grid covered with 6mm comm. Plywood on the outer side (no plywood required on inside partion). The approved colour fluorescent laminate matching with existing laminate colour of minimum 1 mm thickness shall be used</p>	37.80	Sq.M.
2.05	<p>Providing & fixing custom-designed showcase with storage boxes panel in ply panel wall, storing boxes of size 450mmx300mmx600mm along both sides of the corridor for displaying C-DAC products. The showcase will be made using high-quality plywood with a decorative laminate finish, incorporating necessary shelving, glass panels (in front)(vertical gap between boxes 600mm, horizontal gap between boxes 350mm), and other essential materials. The work includes precise fabrication, finishing, and installation as per approved design, ensuring durability, aesthetics, and functionality. Complete in all respects, including materials, labor, and necessary fittings. (please ref ere the drawing attached with tender)</p>	92.86	Sq.M.



Sr.No	Description	Qty	Unit
2.06	<p>Providing and fixing in position Gypsum board false ceiling with 12.5 mm thick Gypsum boards, screwed/ fixed to the under structure of suspended G.I. Grid constructed and suspended from the main ceiling consisting of ceiling sections of size 25 x 50 mm maximum center to center distance of 600 millimetre perimeter channel and intermediate channels at maximum center to center distance 1200 millimetre galvanized grid should be fixed to reinforced cement concrete slab. The gypsum board should be fixed to galvanized iron grid with necessary screws. The boards should be taped and filled from underside to give smooth, seamless ceiling. The rate should include necessary additional ceiling sections and intermediate channels. Additional intermediate channels should be fixed to strap hangers for additional support to prevent strapping at every 1200 millimetre item to be completed in all respect including necessary sleeves for ducts finishing of joints cut outs, painting including labour, material, lifts etc. all complete.</p>	168.55	Sq.M.
2.07	<p>Providing and Fixing Mineral Fibre Acoustical Suspended Ceiling System with Fine Fissured (Bevelled Tegular) Edge Tiles of size 15mm Exposed Grid. The tiles should have Humidity Resistance (RH) of 99%,NRC 0.6, Light Reflectance 85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Colour White, Fire Performance UK Class 0 / Class 1 (BS 476 pt - 6 &7) in module size of 600 x 600 x 16mm , with Recycled content of 31 %. The tile shall be laid on precoated G.I channel height of 32 with 15 mm wide T - section flanges colour white having rotary stitching and XL2 CLIP on all T sections i.e. the Main Runner, 1200 mm and 600 mm Cross Tees with a web height of 32mm and a load carrying capacity of 7.57 Kilograms/M2 and pull out strength of minimum 100 Kilograms.. The T Sections have a Galvanizing of 90 grams per M2 and need to be installed with Suspension system, etc. complete (Pattern to be matched with existing false ceiling pattern)</p>	340.03	Sq.M.
2.08	<p>FIRED RATED DOUBLE DOOR -1800X2400 MM double leaf 2 hour fire rated Entrance door frame and leaves shall be made from galvanized steel 46mm thick fully flush, door shell in specially designed honeycomb structure for reinforcements & 1 hour fire rated vision glass of size 300 mm X 300 mm. Door will be primed with zinc-phosphate stoving primer and finished with epoxy paint as required, complete with all accessories like door closer, handle, lock etc. All door shall be provisioned with GI frame required .</p>	8.64	Sq.M.



Sr.No	Description	Qty	Unit
2.09	Providing and fixing solid core flush door with vision glass shutter in double leaf 32 mm thick decorative type of exterior grade as per detailed drawings approved face laminate 1 mm thick on both faces or as directed, all necessary beads, mouldings and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides, etc. complete.	36.00	Sq.M.
2.1	Providing and fixing frame with /without ventilator of size as specified with Country non teak wood for doors and windows including chamfering, rounding, rebating, iron hold fast of size 300mmx40mmx5mmwith oil painting, etc. complete	0.33	Cu. M.
2.11	Providing and Fixing Vertical Blinds of approved Make and shade of 100mm regular fabric with powder coated aluminium channel with tilting PVC chain & bottom weight plate with all necessary fixtures and fitting etc. complete. (Sample to be final by Engineer In charge prior execution of work)	20.97	Sq.M.
2.12	Providing and Fixing Roller Blinds of approved Make and shade of regular fabric with powder coated aluminium channel with tilting PVC chain & bottom weight plate with all necessary fixtures and fitting etc. complete. (Sample to be final by Engineer In-charge prior execution of work)	22.68	Sq.M.
2.13	Supplying, fitting & fixing Surface mounted overhead Door Closer for 2 hour fire rated doors of different size (e.g. size - EN-3 for leaf width up to 900mm) CE certified, marked & conforming to EN - 1154 of approved quality (Internationally reputed brand like Dorma, Geze, Hafele, Assabloy& Magnum etc.) fitted and fixed Complete as per direction & satisfaction of Engineer -in Charge including all taxes & incidental charges.	8.00	Nos
3	<u>Furniture</u>		
3.01	Staff Chair : Providing and fixing Motion Mid back office chair with suitable caster wheels, Contact-Tilt Mechanism , Seat Height Adjustable, Adjustable arm rest, Mesh back fabric, lumbar back support. Finish colour –Black. PU foam cushion seat. Note -The chair should be from the same OEM of modular workstation	18.00	Nos



Sr.No	Description	Qty	Unit
3.02	<p>Staff Table: Supply & installation of 1200x600 size table Table of Three layer pre-laminated particle board(Wood Product) of IS 12823/Latest 1)Table top Material-Three layer pre-laminated particle board(Wood Product) of grade II type II of IS 12823/Latest 2)Leg Material-NO LEGS 3)Thickness of table top ± 2 mm25 millimetre 4)Length of table top ± 10 mm1200 millimetre 5)Depth of table ± 10 mm600 millimetre 6)Height of table ± 10 mm750 millimetre 7)Warrantee period in number of years1 8) Product shall be ISO 9001:2015, ISO 14001:2015, ISO 18001:2007 certified 9)Frame type- Free standing 10)Under structure of table- Gable end and modesty panel Approved / Recommended makes- Godrej /Neelkamal/ Featherlite or equivalent as approved by client.</p>	2.00	Nos
3.03	<p>Supply and fixing of Godrej Pedestal Unit of 646x390x440 mm . Construction & Material- 1)Welded Assembled 2)0.8 thk CRCA for Body Shell, Drawer Front & tray, Front Side Stiffener, Rear Side Stiffener & Bottom 3)1.2 thk CRCA Top Stiffener & Bottom stiffener Drawer Fronts- 1)Metal Front Straight Edge 2)18 thk Wooden (PLB) Front Straight Edge / PVC Lipping on all Edges Drawer Specification- 1)All Drawers with Double extension precision ball slide 2)390 wide Pedestals File drawer - suitable for storing Fullscape files in Depth wise manner. A4 files in width wise manner 3)450 wide Pedestals File drawer - suitable for storing Fullscape files in Width & Depth wise manner. A4 files in depth wise manner 4)In 585 deep units, 1 no of File hanger provided in File Drawer 5)For Drawer pulling, side wise tapered recess provided in shell behind Drawer Fronts. Locking- 10 lever Cam Lock & Central RH locking with actuator & lock channel mechanism for 'Box-Box-File' & '4 Box' Pedestals • Swiveling non-lockable Castors mounted below the body shell</p>	2.00	Nos
3.04	<p>Supply & fixing of Table size 1500x750mm with extended return unit Table of Three layer pre-laminated particle board(Wood Product) of IS 12823/Latest 1)Table top Material-Three layer pre-laminated particle board(Wood Product) of grade II type II of IS 12823/Latest 2)Leg Material-NO LEGS 3)Thickness of table top ± 2 mm25 millimetre 4)Length of table top ± 10 mm1500 millimetre 5)Depth of table ± 10 mm750 millimetre 6)Height of table ± 10 mm750 millimetre 7)Warrantee period in number of years1 8) Product shall be ISO 9001:2015, ISO 14001:2015, ISO 18001:2007 certified 9)Frame type- Free standing 10)Under structure of table- Gable end and modesty panel</p>	2.00	Nos



Sr.No	Description	Qty	Unit
3.05	Dismantling, Shifting, and Re-Installation of Lab Table: Dismantling, shifting, and re-installation of the existing lab table from the 4th lab to the new lab area on the 1st floor (North side). The work includes careful disassembly, safe transportation, and proper reinstallation, ensuring stability and alignment as per the original setup. Complete in all respects, including necessary labor, tools, and finishing.	8.00	Nos
4	<u>Storage Area at Lower Ground</u>		
4.01	Providing & Fixing in Position, Partition with One-Sided Plywood for Storage Area at Lower Ground Floor : Providing & fixing in position a partition made with 12mm WP plywood on one side and an exposed 50x50 mm commercial wood frame at 600x600 mm center-to-center spacing on the other side to create a storage area at the lower ground floor. The partition will have necessary wooden supports from the wall and ceiling of the required length etc complete in all aspects, including all materials, labor, and finishing.	63.00	Sq.M.
4.02	Providing & Fixing 1mm Laminate on Plywood Partition or Plywood Surface: Providing & fixing 1mm thick laminate of approved make and shade on the provided plywood partition or plywood surface. The work includes proper surface preparation, adhesive application, edge finishing, and ensuring a smooth and seamless finish as per the approved design and instructions. Complete in all respects, including all materials, labor, and finishing.	63.00	Sq.M.

Sr.No	Description	Qty	Unit
5	ELECRICAL WORK MAIN LT PANEL / DB'S -		



Sr.No	Description	Qty	Unit
5.01	<p>Supply and installation of suitable ways Main Distribution Panel, Metal type, Double Door (As approved by client / consultant / architect), RAW(Raw+AC+ Lighting) Panel surface / flush mounted on wall, with digital metering Phase wise (Voltage & current)on Panel ,Copper Bus bar,LED Indicators, all accessories completed ,interconnected wiring complete with earthing lugs, including DB wiring dressing with ferruling, termination of circuits with ping type copper lugs, blank plates, etc. housing following switchgears : (Schneider / Hager / Siemens / Legrand make as approved by client /consultant) (Note :- DB size & type selection shall be done with reference to the total number of modules / poles available in the DB which shall be suitable for housing of below mentioned switchgears & components forming a complete set.)</p> <p>a) 1 no., 250 A, FP MCCB, "C" curve type 25kA, MCCB with Thermal Magnetic release(I/C), of approved make with over load (O/L), short circuit (S/C) & Earth Fault (E/F) protection. The Breaker shall be suitable for 415 Volts 50 Hz., AC supply. The breaker shall have breaking capacity of 25kA for 1 Sec. as required. (Schneider / Hager / Legrand / Siemens / L&T make)as incomer</p> <p>b) 18 nos, 63A, 4P, MCB, "C" curve type + 06 Nos.16/32 Amp DP-MCB (Schneider / Hager / Legrand / Siemens / L&T make) as outgoings - Full set as above.</p>	1	Nos
5.02	<p>Suply and installation of 6-way, TPN, Metal type, Double Door (As approved by client / consultant / architect), Raw/Light/AC/UPS OUTGOING SUB -DB in respective rooms, surface / flush mounted on wall, interconnected wiring complete with earthing lugs, including DB wiring dressing with ferruling, termination of circuits with ping type copper lugs, blank plates, etc. housing following switchgears : (Schneider / Hager / Siemens / Legrand make as approved by client / consultant) (Note :- DB size & type selection shall be done with reference to the total number of modules / poles available in the DB which shall be suitable for housing of below mentioned switchgears & components forming a complete set.)</p> <p>a) 1 no., 63A, FP MCB, "C" curve type as incomer</p> <p>b) 9 nos, 16/25/32A, SP, MCB, "C" curve type AND 3 nos, 63A, TP, MCB, "C" curve typeas outgoings - Full set as above.</p>	19	Nos



Sr.No	Description	Qty	Unit
5.03	Supply and installation of 12-way, VTPN, Metal type, with Plain / Transperant Double Door (As approved by client / consultant / architect), UPS Main Power Distribution Board , surface / flush mounted on wall, interconnected wiring complete with earthing lugs, including DB wiring dressing with ferruling, termination of circuits with ping type copper lugs, blank plates, etc. housing following switchgears : (Schneider / Hager / Siemens / Legrand make as approved by client / consultant) a) 1 no.,125A, MCCB, "C/D" curve type 25kA, MCCB with Thermal Magnetic release, of approved make with over load (O/L), short circuit (S/C) & Earth Fault (E/F) protection. The Breaker shall be suitable for 415 Volts 50 Hz., AC supply. The breaker shall have breaking capacity of 25kA for 1 Sec. as required. (Schneider / Hager / Legrand / Siemens / L&T make)as incomerasb) 12 nos, 63A,TP , MCB, "C/D" curve type(Schneider / Hager / Legrand / Siemens / L&T make) as outgoings Full set as above.	1	Nos
5.04	Supply and installation of 8-way,SPN, Metal type, Double Door (As approved by client / consultant / architect) UPS /Raw Power Distribution Board, surface / flush mounted on wall, interconnected wiring complete with earthing lugs, including DB wiring dressing with ferruling, termination of circuits with ping type copper lugs, blank plates, etc. housing following switchgears : (Schneider / Hager / Siemens / Legrand make as approved by client / consultant),I/C-32 A DP MCB,6 Numbers 10/16 AMP SP MCB as Outgoings	8	Nos
5.05	Supply & Installation of 25/32A, DP, MCB, box with 20A, metal clad / modular plug-socket including power circuit of (4/6 sq.mmX3core) copper flexible wires directly taken from the relevant Raw/AC DB of the room through PVC conduits for room CASSETTE /SPLIT A/C including all necessary hardware & accessories, etc. (Schneider / Hager / Legrand / Siemens / L&T make)	7	Nos



Sr.No	Description	Qty	Unit
6	<p>ELECTRICAL & ALLIED WORKS - CABELS / MAINS Supply & Installation of 1100V grade armored cable having sector / circular shaped aluminum / copper conductor PVC insulated cores, laid up, PVC tape wrapped inner sheathed, GI strip / wire armored and overall extruded PVC sheathed conforming to IS: 1554, laid on wall / ceiling using GI clamps & spacers as per route shown at site and further as directed by Consultant at site in the following sizes :- (Make - Polycab / Finolex / RR / Havells) NOTE :- All cables shall be provided with temporary labelling at every 5mtrs & then finally with metal identification tags showing the size & the location from/to the respective Panel / DB, at both the ends. The rate should include terminations at both ends with suitable lugs and glands as applicable</p>		
6.01	4C x 10 Sq.mm PVC Copper cable with 2 runs of 12 SWG GI bare wire(Sub Main Panel to ROOM UPS DB)	190	Mtrs
6.02	4C x 16 Sq.mm PVC Copper cable with 2 runs of 12 SWG GI bare wire (Sub Main Panel to ROOM RAW/AC DB)	190	Mtrs
6.03	3C x 6 Sq.mm PVC Copper cable with 2 runs of 12 SWG GI bare wire(ROOM UPS DB TO UPS SPN DB)	50	Mtrs
6.04	4C x 4 Sq.mm PVC Copper cable with 2 runs of 12 SWG GI bare wire(ROOM UPS DB TO UPS SPN DB)	50	Mtrs
6.05	4C x 50 Sq.mm PVC Aluminum cable with 2 runs of 12 SWG GI bare wire (Main UPS Panel to Site SUB Main UPS Panel /DB)	85	Mtrs
6.06	4C x 150 Sq.mm PVC Aluminum cable with 2 runs of 12 SWG GI bare wire (Main Raw Panel to Site Sub Main RAW Panel /DB)	135	Mtrs



Sr.No	Description	Qty	Unit
7	<p>WORKSTATION UPS POWER WIRING Supply & Installation of concealed / resessed UPS point wiring using 600V 3R (P+N+E) x 1.5 Sq.mm copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through already laid PVC raceway on walls and through table partition including 3R (P+N+E) x 2.5 Sq.mm circuit wires from the relevant DB and also including 2.5 sqmm green color copper earth wire and approved make modular type switch plate, switches, MS concealed back box, etc. as required & as approved by the consultant. (The item rate shall include Lighting / Raw / UPS Power Circuit wiring from relevant DB to the switch board with 3Rx2.5 Sq.mm wires & from switch board to next switch board OR to the first light point / primary point / full point) NOTE :- 1. Only PVC insulated wire shall be used; 2. Conduit carrying circuit wiring should not carry point wiring and Conduit carrying point wiring should not carry sub main/circuit wiring; 3. Flexible conduits & Elbows are not allowed; 4. The wires from ceiling junction to light points / light fixture shall be drawn in flexible PVC conduit with adaptor& cover for junction box & crimp type lugs at both the ends along with necessary hardware & accessories, etc. as required; 5. Proper ferrules, lugs, must be used in all cabling and wiring on both load / source end; 6. Each switch board must be provided with respective ferrules representing the respective DB, Phase & Circuit numbers; 7. Looping of Neutral / Earth wire between two separate Primary / Full Points is strictly not allowed; 8. Looping of Neutral / Earth wire between two separate circuits on similar or other phase is strictly not allowed; 9. Feruling / numbering / tagging to wires with circuit number & db name for all lighting & raw / ups power shall be strictly followed at both DB & switch board / switch socket boards ends.</p>		
7.01	<p>Supply & Installation of primary point wiring for UPS or stabilized power plug points on workstations / table for computers using 3C X 2.5 Sqmm copper conductor PVC sheathed white color flexible cable pulled through already laid Surface PVC Box raceway and table/workstation partition raceways and taken upto table top using PVC rigid or flexible conduits run within wooden/metal partitions. Each point consisting of 2 nos of 5A , 3 pin sockets above table top/bottom & 2 No., 15A Switch above table top, wired together forming one point. The earth wire of 3 core flexible cable to be of yellow-green color only. (Total 4 no.s desks/points served by one circiut from DB)</p>	20	Nos



Sr.No	Description	Qty	Unit
7.02	Supply & Installation of Secondary point wiring for UPS or stabilized power plug points on workstations / table for computers using 3C X 1.5 Sqmm copper conductor PVC sheathed white color flexible cable pulled through already laid table partition raceways and taken up to table top using PVC rigid or flexible conduits run within wooden/metal partitions. Each point consisting of 2 nos of 5A , 3 pin sockets above table top/bottom & 2 No., 10/15A Switch above table top, wired together forming one point. The earth wire of 3 core flexible cable to be of yellow-green color only. (Maximum 3 no.s desks to be looped from each primary UPS point from first desk as per instruction for staff area and Maximum two point to be looped from each primary UPS point from first desk)	60	Nos
8	ELECTRICAL & ALLIED WORKS - WALL PVC - RACEWAYS		
8.01	Supply and laying PVC Trucking/Raceways with cover, & two cable compartment for UPS Power Circuit Cable and Data cables) 75 x 75 x 1.6mm thick PVC Raceways with cover	50	Mtrs
9	ELECTRICAL & ALLIED WORKS - LIGHTING POINTS IN ROOM, Supply & Installation of concealed / reassessed / surface light point / fan point / call bell point wiring using 600V FRLS grade 3R (P+N+E) x 1.5 Sq.mm copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through heavy gauge PVC conduits laid concealed over false ceiling or in wall chases or on the ceiling in case of an open ceiling including 3R (P+N+E) x 2.5 Sq.mm circuit wires from the relevant DB and also including 2.5 sqmm green color copper earth wire and approved make modular type switch plate, switches, MS concealed back box, etc. as required & as approved by the consultant. (Each circuit shall not feed more than 8 points OR 800 watts as per following configuration.) (The item rate shall include Lighting / Raw / UPS Power Circuit wiring from relevant DB to the switch board with 3Rx2.5 Sq.mm FRLS wires & from switch board to next switch board OR to the first light point / primary point / full point)		
9.01	Primary raw light points including the cost of 5A switch	25	nos



Sr.No	Description	Qty	Unit
9.02	Secondary raw light points looped from the above point(maximum 3 points looped from one primary light point)	50	Nos
9.03	Primary emergency(UPS Supply) light points connected directly to UPS DB	25	nos
9.04	Secondary emergency(UPS Supply) light points looped from the above primary emergency light point(maximum 3 points looped from one primary emergency light)	50	Nos
9.05	Supply & Installation of (26-32W) (2' X 2') full lit panel type LED Light fixture. CRI>80,The fitting shall be suitable for grid / plain ceiling type & surface mounted / to be hanged from the ceiling at the height approved by architect. (CGL , PHILIPS WIPRO , GE or equivalent category & model as approved by client / architect / consultant.)	101	Nos
9.06	Supply & Installation of (12 W) LED Spotlight/Down light flush mounted Light fixture. (CGL, PHILIPS WIPRO , GE or equivalent category & model as approved by client / architect / consultant.)	16	nos
9.07	Supply & Installation of (3 W) LED Warm White Showcase Spotlight flush mounted Light fixture. (CGL , PHILIPS WIPRO , GE or equivalent category & model as approved by client / architect / consultant.)	33	nos
10	ELECTRICAL & ALLIED WORKS - DATA NETWORKING		
10.01	Supply & Installation of Modular Data point including approved make Cat - 6 UTP cable through already laid trenches, and new flexible conduit in table partition ,RJ45 information outlet face plate, etc. with Termination, Testing and Documentation of UTP Points complete as required.(D-Link or equivalent)	70	Nos.
10.02	Supply & installation of 24 Port 1 Gbps(Minimum) Unmanaged switch including crimping complete in all respect etc. with both ports for Ethernet and Fiber Up-linking(D-Link or equivalent)	6	Nos.
10.03	Supply & installation of 24 port jack panel in existing network rack(D-Link or equivalent)	6	Nos.
10.04	Supply of mounting patch cord (3 feet')	70	Nos.
10.05	Supply of mounting patch cord (7 feet')	70	Nos.
10.06	Supply & Installation of 12 U floor/wall mounted network rack including all necessary hardware, accessories, etc.	1	Nos.
10.07	Supply & Installation of 42U floor mounted network rack including all necessary hardware, accessories, etc.	1	Nos.



Sr.No	Description	Qty	Unit
10.08	Supply & laying of approved make Cat - 6 UTP cable through PVC conduits, with Termination, Testing and Documentation complete as required for up linking(D-Link or equivalent)	50	Mtr
10.09	Supply & laying of approved make LC to LC Duplex 6-Core MMF OM3(50/125) FibrePatch Cord through PVC conduits, with Termination, Testing and Documentation complete as required for up linking (Commescope or equivalent)	200	Mtr
10.1	Supply & installation of 12 port LIU with pigtail , connectors (Loaded) with necessary hardware etc in existing network rack(D-Link or equivalent) make.	1	Nos
10.11	Supply & laying of 25 mm PVC conduit pipe (AKG or equivalent) make	25	RMT
10.12	Supply & fixing of optic fiber LC to LC patch cord in network rack(D-Link or equivalent make)	8	Nos
10.13	Labour charges of fiber optic splicing work with necessary connection and terminations	8	Nos
10.14	Supply & fixing of optic fiber 10G SFP+ transreceivers (LC)in switched in network rack(D-Link or equivalent make)	8	Nos
11	ELECTRICAL & ALLIED WORKS - PA SYSTEM		
11.01	SITC of Speaker wire of 1.5mm, 2 core PVC Speaker Cable, twisted pair manufactured with bright annealed electrolytic oxygen free grade tinned copper conductors, bunched compactly (through new PVC conduit) from amplifier upto speaker and speaker to speaker	450	Mtr
11.02	SITC OF Speaker 6 watt (make-BOSCH / AHUJA) or equivalent make	30	Nos
11.03	Supply, Installation & Testing of Amplifier, 60 watt, for Address System suitable to operate on 230V A.C. / 12V D.C. supply with two low impedance microphone input, tone control, protection circuit complete for the speakers output lines. (Ahuja / approved equivalent make)	1	Nos



Sr.No	Description	Qty	Unit
11.04	A compact & reliable single channel VHF Wireless Microphone AWM-520VL. It features a tie-clip microphone with a VHF high band body-pack transmitter and a sensitive noise squelch receiver. Single channel VHF wireless microphone available in six different frequencies. Electric condenser unidirectional microphone. Transmitter has an on ON/OFF switch and a LED for ON indication. Stylish table-top receiver with a telescopic antenna & noise squelch circuitry. Power ON/OFF switch and output volume control on the front panel. 1/4" (6.3mm) phone jack for audio output on the rear panel of the receiver. Microphone operates with 1A—9V battery. Receiver operates on 9V DC through an AC adaptor, supplied along with the microphone.	1	Nos
11.05	Active Speaker 400w with stand,400W @ 1% Distortion, Short Circuit, Open Circuit and Thermal ,Built-in soft clip limiter for speaker protection, Integrated stand mounting socket, Ergonomically-shaped handles for easy transportation .Ergonomically-shaped handles for easy transportation, Durable plastic moulded enclosure with a wood grain finish.	2	Nos
11.06	Live Mixer 8Channel with USB /BT,8 Mic / Line with high-quality USB MP3 Player and Bluetooth on board, USB MP3 Player on AiR 8U plays & displays track numbers & is supplied with a remote,3 Band EQ per channel,1 Aux send, PFL (Cue) Switch with individual channel control, L/R pan pot and clip LED per channel, Stereo RCA CD input with Control, Delay EFX on board & FX send per channel, Headphone output with level control, Balanced XLR & ¼” Jack Master Output.	1	Nos
11.07	Dual Hand Wireless Microphone, MuteFunction, Two handheld microphone, Receiver, 12 V AC Adapter, Phono to Phono cord,	2	Nos
11.08	Dual UHF Lavalier Wireless Microphone System	2	Nos
11.09	XLR to XLR cable 25 mtr.	2	Nos.
12	ELECTRICAL & ALLIED WORKS - FIRE ALARM SYSTEMS		
12.01	Supply, installation, testing and commissioning of Response indicator for all Above Ceiling Smoke detectors located above false ceiling (The integration of RI with detector and existing repeater/ main fire panel is in vendor scope).	35	Nos



Sr.No	Description	Qty	Unit
12.02	Supply, installation, testing and commissioning of Analogue Addressable Photo-Electrical smoke detector (Above Ceiling and Below Ceiling) with programmable for timed automatic sensitivity selection with base, junction box and other accessories as required and detectors shall be UL listed.(OSD)below False ceiling(Note- The repeater /main fire panel is already installed. The programming of detectors and its integration with existing fire panel is in vendor scope) Make:-Siemens (to integrate with existing system),Model-HFP-11	70	Nos
12.03	Supply, installation, testing and commissioning of Analogue Addressable Fault isolator module capable of monitoring shorted loop circuit and automatically restore communication when shorted conditions are corrected. Make:-Siemens (to integrate with existing system)	3.00	Nos
12.04	Supply, installation, testing and commissioning of Addressable Control Relay Module Make:-Siemens (to integrate with existing system)	3.00	Nos
12.05	Supply, installation, testing and commissioning of Addressable Single action Manual pull station having an integrally mounted addressable module that monitors and reports contact status. Make:-Siemens (to integrate with existing system)	8.00	Nos
12.06	SITC OF Hooter -addressable digital type with required Hooter operating voltage 12V/24V/220 volt, wiring And allied required accessories. Make:-Siemens (to integrate with existing system)	3	Nos
12.07	SITC OF FRLS Fire CABLE 2 X 1.5 Cu armored cable	875	Mtr
12.08	LCD Projector.		
12.09	SITC of LCD Projector with ceiling mounting stand ,Contrast Ratio:15,000:1,Light Output of 3,300 lumens, HDMI&USB Ports, EPSON-EB series or equivalent as approved by client	2	Nos
12.10	SITC of HDMI Cable as approved by client for projectors (each cable of 15 mtrs length)	2	Nos
13	TRENCHING / FLOOR -RACEWAYS		



Sr.No	Description	Qty	Unit
13.01	Supply and laying Raceways (for under floor trenches / On trays) on existing flooring. Raceways shall be fixed to the flooring with GI clamps for finished levels as per the site conditions or through partitions with all accessories. The rate shall include preparation of trenches of required sizes by carefully removing the malwa on existing floor for laying Raceways/conduits for power, data, telephone cables etc. The depth of the trenches shall be at least 2 inches from the finished floor level or upto RCC of the slab. The rate shall include the cost of the Raceways/conduits. The rate shall also include the activity of clearing the debris generated from the preparation of trenches		
13.02	300 x 40 x 1.6mm thick GI Raceways(for Power cable)	75	Mtrs
13.03	150 x 40 x 1.6mm thick GI Raceways (for Data Cables & phone cable)	460	Mtrs
14.00	Supply & Installation of floor junction boxes without top cover for above raceways, of following sizes, fabricated out of M.S. sheets, fully powder coated with provision for removable M.S. / S.S. screwed cover plates on all four sides for blocking the entry into the junction box. All the junction boxes to be (with stud) 'properly earth - bonded with the raceways pipe using 12 SWG Copper bare wire as directed at site.		
14.01	for Junction Box of size (350mm x 350mm x 50mm x 2.5mm thick)	10.00	Nos
14.02	for Junction Box of size (200mm x 200mm x 50mm x 2.5mm thick)	92	Nos
15.00	Supply & Installation of suitable sizes 2mm thick removable cover plate screwed on all four sides of M.S. sheet, fully powder coated, for blocking the entry into the floor junction box for following sizes of junction boxes with rounded corners as per the instruction given & sample approved by the client / architect / consultant at site. Cover plate shall have required no.s of 1' dia knockouts for flexible conduit outlets as per the requirement.		
15.01	for Junction Box of size (350mm x 350mm x 50mm x 2.5mm thick)	10	Nos
15.02	for Junction Box of size (200mm x 200mm x 50mm x 2.5mm thick)	92	Nos



Sr.No	Description	Qty	Unit
16.00	Supplying & fixing of 2mm thick G.I. Perforated type cable Trays of approved make. The cable tray shall be fixed to the ceiling / wall with MS angle support with 35mmx2mm thick GI slotted 'C' channel Patti at an interval of 1 meter or the MS angle iron fabricated support depending upon the location. The rate shall include the cost of Supports, hardware & accessories, etc. complete as required.		
16.01	Cable Tray: - 300 mm wide x 50 mm height x 2mm thick.	45	Mtrs
16.02	Cable Tray: - 150 mm wide x 25 mm height x 2mm thick.	200	Mtrs
17.00	VOICE/TELEPHONE NETWORKING		
17.01	Supply & Installation of Telephone /Voice point including approved make Cat - 6 UTP cable through already laid trenches / conduits, RJ45 information outlet, in single face plate, in workstation partion wall etc. with Termination, Testing and Documentation of UTP Points complete as required.	70	Nos
17.02	Supply, installation, testing and commissioning of indoor type telephone 200 pair Main Distribution Frame (MDF) / Box with Krone modules with suitable S.S. frame for mounting tag module, cable, wires and incorporated in 16 SWG MS box with proper lockable cover. The box should be fixed on wall with suitable fasteners including painting & earthing. This also includes fixing the cable, distribution chart sufficient space for the cables, wires etc. to be provided in the box.	1.00	Nos
17.03	Supply & Installation of and commissioning of indoor type telephone 50 pair MDF with Krone module including all hardware & accessories , etc. complete as required. with suitable S.S. frame for mounting tag module, cable, wires and incorporated in 16 SWG MS box with proper lockable cover. The box should be fixed on wall with suitable fasteners including painting & earthing. This also includes fixing the cable, distribution chart sufficient space for the cables, wires etc. to be provided in the box	1	Nos
17.04	Supply & Laying of 20 pair telephone cable through heavy gauge pvc conduit including all necessary hardware & accessories, etc.	250.00	Rmt
17.05	Supply & Installation of Modular raw power point including 5 amp switch and socket complete as required with laying of cable of 3CX2.5 SQMM in New PVC Conduit from DB to Primary Point(anchor, roma or equivalent) (Primary raw Point)	15	Nos



Sr.No	Description	Qty	Unit
17.06	Supply & Installation of Modular raw power point including 5 amp switch and socket complete as required with laying of cable of 3CX1.5 SQMM in New PVC Conduit from Primary to Secondary Point (Secondary raw Points)	60	Nos
17.07	Supply & Installation of Modular raw power point including 15 amp switch and socket complete as required with laying of cable of 3CX2.5 SQMM in New PVC Conduit from DB to Point	28	Nos
18.00	Earthing point		
18.01	Providing and fixing copper strip 50X6mm for earthing with Insulation (Yellow),with required accessories on the wall	120	Mtr.
18.02	Providing and fixing insulating supports on wall to hold the above copper strip with required accessories	20	Nos.
18.03	SITC of 10 Sqmm copper flexible cable from copper strip to Copper strip point 2 Run (Green) with cable through PVC conduit pipe with all required accessories	120	Mtr.
18.04	10 Sqmm copper flexible Cable termination (Copper strip to Copper strip) including required testing, accessories, lugs, nut bolt etc complete.	10	point

Sr.No	Description	Qty	Unit
19	HVAC WORK		
19.01	SITC of Chilled Water piping Insulation on (50mm thick pipe)with 16 mm thick nitrile rubber insulation covered with 28 Swg aluminum sheet from existing Main Header to existing AHU (Approx.5 mtrs length)	1.00	Lot
20	SITC of Temperature/Pressure Guage		
20.01	SITC of Temperature Guage	2.00	Nos
20.02	SITC of Pressure Guage	2.00	Nos



Sr.No	Description	Qty	Unit
21	Supplying, Fixing, testing and commissioning of fire dampers in supply air duct/main branch and return air path as and where required of required sizes i/c control wiring, the damper shall be motorized and spring return so as to close the damper in the event of power failure automatically and open the same in case of power being restored. The spring return action shall be inbuilt mechanism and not externally mounted. The damper shall also be closed in the event of fire signal complete as required and as per specifications.		
21.01	Actuator	2.00	Nos
21.02	Damper	0.90	Sqm
22	Testing & commissioning of Existing AHU with existing installed valves Station , controller & VFD (The working of AHU on VFD is in vendor scope)	1.00	Nos
23	Supply, installation, balancing and commissioning of factory fabricated GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required. Note- 1)All necessary cutting, duct joint gasket ,nut bolt etc shall in vendor scope. 2)The neck size of the SA diffuser selection & Floor/AHU CFM balancing is in vendor scope)		
23.01	Thickness 0.80 mm sheet	38.64	Sqm
23.02	Thickness 0.63 mm sheet	199.12	Sqm
24	Supply, installation, testing and commissioning of GI volume control duct damper complete with neoprene rubber gaskets, nuts, bolts, screws linkages, flanges etc, as per specifications.(Note-The VCD is to be installed/fixed inside existing ducting. All necessary cutting, duct joint gasket, nu bolt etc shall be in vendor scope)	1.95	Sqm
25	Supplying, fixing testing commissioning of supply air diffusers of powder coated aluminum with aluminum volume control dampers with anti smudge ring & removable core.	7.53	Sqm



Sr.No	Description	Qty	Unit
26	Supplying, fixing testing commissioning of Return air diffusers of powder coated aluminum without volume control dampers with anti smudge ring & removable core.	7.53	Sqm
27	Supplying and fixing of 19 mm thickness duly laminated aluminum foil of mat finish closed cell Nitrile rubber (Class "O") insulation on duct after applying suitable adhesive for Nitrile rubber. The joints shall be sealed with 50 mm wide and 3 mm thick self adhesive nitrile rubber tape insulation complete as per specifications and as required.	219.03	SqM
28	Acoustic insulation of duct with 12 MM thick CR-300 rigid board (Fiber Glass) covered with RP Tissue & 30 G perforated Aluminum cladding.	58.64	Sq Mtr
29	Installation of Motorized Fire Dampers with Linkage & dead weights / spring etc (Fire damper will be provided by C-DAC .All related work i.e fixing, wiring etc is in vendor scope)	0.48	Sq Mtr
30	CASSETTE AC WORK		
30.01	Supply of Cassette AC of 2TR (2star non inverter model) with One year Comprehensive warranty.	1.00	No
30.02	Supply of Cassette AC of 1.5TR (2star non inverter model) with One year Comprehensive warranty.	5.00	No
31	LOW SIDE		
31.01	Indoor and outdoor unit Installation, testing, commissioning charges	6.00	Nos
31.02	REFREGERENT PIPING,POWER/CONTROL CABLING FOR CASSETTEAC :-Supply, Installation, Testing &Commissioning of copper piping complete with copper fittings & charge of refrigerant gas for the above units(including drilling through wall), Piping associated with Cassette AC units shall be insulated with 13 mm thick closed cell elastomeric insulation .Quoted price shall be inclusive of UV protection paint for all exposed pipes. Price shall comprise of copper power cabling from indoor to outdoor unit as required.	357.20	Rft



Sr.No	Description	Qty	Unit
31.03	CONDENSATE DRAIN PIPING -Supply, Installation Testing and Commissioning of 25 mm dia. Chlorinated Polyvinyl Chloride (CPVC) pipes, including all CPVC plain fittings, including fixing the pipes with pipes clamps at 1.00 m spacing. This includes joints of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Supporting arrangement in accordance with the approved shop drawings and specification. Pipes shall be insulated with 9mm thick closed cell elastomeric insulation in tubing form.	180.40	Rft
31.04	MS FRAME FOR ODU OF CASSETTE AC'S -Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. (MS base frame duly applied with red-oxide primer & followed by black enamel paint for mounting of outdoor units.)		
31.05	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	400.00	Kg
32	Dismantling of Rittal system(2 cooling unit LCPs of10KW each +3IT racks) from 4th floor (south wing) and reinstallation of system on the 1 st floor (north wing) of CIP building including required material, labour, consumable etc complete to make the system functional in all respect. Scope of work includes- 1) Dismantling of Rittal system with outdoor unit 2)Shifting of dismantled equipments to 1st floor north wing 3)Installation of entire Rack system (with outdoor units as shown in the drawing) system including copper piping(3/8" & 5/8"including R 410 gas charging, insulation), drain pump piping ,cable trays, MS stand for ODU, electrical connection (2.5 sq mm 4 Core etc) till electrical DB/panel and other require material to complete the installation, testing & commissioning of the system. Note;- The above work shall be get done from OEM of Rack considering warranty, AMC terms. Model number of LCP is SK3311.420	1.00	Job
33	Providing & Fixing Decorative Wall Cladding Perforated Facade Metal Panels for outdoor units of Cassette Acs	15.00	Sqm
34	Shifting & positioning of AHU Plenum as per required orientation etc complete including necessary supports, tools ,tackles etc complete	1.00	Job
35	FIRE FIGHTING WORK		



Sr.No	Description	Qty	Unit
35.01	Supplying and fixing air release valve made of 25 mm dia on top and flanged connection to riser with required accessories, painting with synthetic enamel paint and after One coat of primer of approved shade as required.	2	Each
36	Providing, fixing, testing & commissioning of 15mm dia quartzoid bulb type sprinklers of rating 68 degree centigrade with required accessories.		
36.01	Pendent Sprinkler	60	Set
36.02	Upright Sprinkler	60	Set
37	Supplying, installation, testing & commissioning of sprinkler flexible pipe (UL Listed) of stainless steel complete with 15 NPT on reducer thread with maximum working pressure of 175 PSI test pressure of 875 PSI (Burst) with branch line (Inlet) 25mm NPT male thread to sprinkler head (Outlet) 15mm NPT female thread with reducer, nipple, 2 side brackets, center bracket, support channel, stockbar of following sizes complete as required.		
37.01	1500mm	60	Set
38	Providing, installation, testing & commissioning of adjustable rosette plate for 15mm dia in white finish UL Listed or FM approved complete as required.	60	Each
39	SLTC of M.S. pipe on surface		
40	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint after One coat of primer required shade complete as required :		
40.01	25 mm dia	5	Metre
40.02	32 mm dia	88	Metre
40.03	40 mm dia	30	Metre
40.04	50 mm dia	29	Metre



Sr.No	Description	Qty	Unit
40.05	65 mm dia	36	Metre
40.06	80 mm dia	5	Metre
40.07	100 mm dia	5	Metre
40.08	150 mm dia	63	Metre
41	Providing, Installation, Testing and Commissioning of Gun Metal / Bronze Ball Valves screwed ends of following sizes as required. (For sprinkler drain)as approved by architect and complete in all respect.(MAKE - ZOLOTO , SANT)		
41.01	25 mm dia	1	Each
42	Draining out fire header line for sprinkler piping connection and refilling it after completion of work	1	Job
43	Liasoning with Fire department and obtaining Fire NOC for the North wing of 1st floor by submitting require documents such as Form A, Form B, Technical submittal etc complete. The statutory fees will be paid by CDAC but necessary steps is in vendor scope.	1	Nos.

The above quoted prices are including freight, insurance, loading, un-loading, handling and allied charges to be incurred till installation at site.

The rates (%) of GST for each line item shall be as given in un-priced commercial bid submitted along with the technical bid.

(End of Section – V)



ANNEXURE – A: COVERING LETTER

Date:

To:

**The Executive Director,
Centre for Development of Advanced Computing (C-DAC)
Innovation Park, Panchavati, Pashan Road,
Pune - 411008 Maharashtra, INDIA**

Subject: Submission of bid for Turnkey Works Tender (Interior/Civil, Electrical and Allied, HVAC etc) for Creation of Infrastructure for various labs on the 1st floor north wing at C-DAC, IP Building, Pune.

Dear Sir,

We, the undersigned, offer to provide Interior/Civil, HVAC, Electrical & allied work etc at first floor at C-DAC IP Building, Pune in response to your Tender No. We hereby submit our proposal for same, comprising of Technical bid and the Financial Bid, through www.eprocure.gov.in

We hereby declare that all the information and statements made in this bid are true and we accept that any misinterpretation contained in it, may lead to our disqualification.

We undertake that the products offered are not nearing end-of-life / end-of-support five / three years down the line from the date of bidding, from OEM.

We undertake, that a Security Deposit BG of 3% of the each order(s) value will be submitted in case C- DAC decides to place any Purchase Order(s).

We hereby certify that my/ our firm has not been disqualified and / or blacklisted by any Office/ Department/ Undertaking of the State Government / Central Govt. of India, PSU/ Autonomous Body of Government of India, at the time of submission of this bid.

We agree to abide by all the terms and conditions of the tender document, including corrigenda. We would hold the terms of our bid valid for 150 days as stipulated in the tender document.

We understand you are not bound to accept any Proposal you receive.

The undersigned is authorized to sign this bid document. The authority letter to this effect is enclosed.

Yours sincerely,

Authorized Signatory:

Name and Title of Signatory:

e-mail:

Mobile No:



ANNEXURE – B: AUTHORITY LETTER

Date:

To:

**The Executive Director,
Centre for Development of Advanced Computing (C-DAC)
Innovation Park, Panchavati, Pashan Road,
Pune - 411008 Maharashtra, INDIA**

Subject: Authority Letter

Reference: Tender No

Dear Sir,

We, M/s _____ (Name of the bidder) having registered office at _____ (address of the bidder) herewith submit our bid against the said tender document.

Mr./Ms. _____ (Name and designation of the signatory), whose signature is appended below, is authorized to sign and submit the bid documents on our behalf against said RFP

Specimen Signature:

The undersigned is authorised to issue such authorisation on behalf of us.

For M/s _____ (Name of the bidder)

Signature and company seal

Name

Designation

Email

Mobile No.



Annexure – C: Site Visit Undertaking/Report

Site Visit Report /Undertaking	
Name of Tender for	
Name of the Bidder	
Contact Details	
UNDERTAKING: -Authorized person of our firm has visited site before submitting the bid to assess the existing site conditions/infrastructure /site hindrances at first floor& transport condition to site at first floor of building. Bidder is quoting price & responsible for any further site relatedconsequences thereof & it is to beconsidered as self-declaration.	
Bidder Self-Geotagged photo during site visit is attached in technical bid along with this site visit report	YES
Authorized Person of Bidder (Signature & Seal)	



ANNEXURE D - PROFORMA OF SECURITY DEPOSIT BANK GUARANTEE

To,

Centre for Development of Advanced Computing (C-DAC)
Innovation Park, Panchavati, Pashan Road,
Pune - 411008 Maharashtra, INDIA

BANKS GUARANTEE NO:

DATE:

Dear Sir(S)

This has reference to the Purchase Order No. _____ Dated _____ been placed by Centre for Development of Advanced Computing(C-DAC), Pune on M/s _____ (Name & Address of vendor) for supply, installation, commissioning and warranty of _____ (description of items) at C-DAC/client's site.

The conditions of this order provide that the vendor shall,

1. Arrange to deliver the items listed in the said order to the consignee, as per details given in said order, and
2. Arrange for the comprehensive warranty service support towards the items supplied by vendor at sites anywhere in India, as per the warranty clause in said purchase order.

M/s (Name of Vendor) has accepted the said purchase order with the terms and conditions stipulated therein and have agreed to issue the performance bank guarantee on their part, towards promises and assurance of their contractual obligations vide the Supply Order No. _____ M/s. _____ (name of vendor) holds an account with us and has approached us and at their request and in consideration of the promises, we hereby furnish such guarantees as mentioned hereinafter.

C-DAC shall be at liberty without reference to the Bank and without affecting the full liability of the Bank hereunder to take any other undertaking of security in respect of the suppliers obligations and / or liabilities under or in connection with the said contract or to vary the terms vis-a – vis the supplier or the said contract or to grant time and or indulgence to the supplier or to reduce or to increase or otherwise vary the prices or the total contract value or to forebear from enforcement of all or any of the obligations of the supplier under the said contract and/or the remedies of C-DAC under any security (ies) now, or hereafter held by C-DAC and no such dealing(s) with the supplier or release or forbearance whatsoever shall have the effect of releasing the bank from its full liability of C-DAC hereunder or of prejudicing right of C-DAC against the bank.

This undertaking guarantee shall be a continuing undertaking guarantee and shall remain valid and irrevocable for all claims of C-DAC and liabilities of the supplier arising up to and until _____ (date)

This undertaking guarantee shall be in addition to any other undertaking or guarantee or security whatsoever the that C-DAC may now or at any time have in relation to its claims or the supplier's obligations/liabilities under and / or in connection with the said contract and C-DAC shall have the full authority to take recourse to or enforce this undertaking guarantee in preference to the other undertaking or security (ies) at its sole discretion and no failure on the part of C-DAC in enforcing or requiring enforcement of any other undertaking or security shall have the effect of releasing the bank from its full liability hereunder.



We _____ (Name of Bank) hereby agree and irrevocably undertake and promise that if in your (C-DAC's) opinion any default is made by M/s _____ (Name of Vendor) in performing any of the terms and /or conditions of the agreement or if in your opinion they commit any breach of the contract or there is any demand by you against M/s _____ (Name of Vendor), then on notice to us by you, we shall on demand and without demur and without reference to M/s _____ (Name of Vendor), pay you, in any manner in which you may direct, the amount of Rs. _____/- (Rupees _____ Only) or such portion thereof as may be demanded by you not exceeding the said sum and as you may from time to time require. Our liability to pay is not dependent or conditional on your proceeding against M/s _____ (Name of Vendor) and we shall be liable & obligated to pay the aforesaid amount as and when demanded by you merely on an intimation being given by you and even before any legal proceedings, if any, are taken against M/s _____ (Name of Vendor)

The Bank hereby waives all rights at any time inconsistent with the terms of this undertaking guarantee and the obligations of the bank in terms hereof shall not be anywise affected or suspended by reason of any dispute or disputes having been raised by the supplier (whether or not pending before any arbitrator, Tribunal or Court) or any denial of liability by the supplier or any order or any order or communication whatsoever by the supplier stopping or preventing or purporting to stop or prevent payment by the Bank to C-DAC hereunder.

The amount stated in any notice of demand addressed by C-DAC to the Bank as claimed by C-DAC from the supplier or as suffered or incurred by C-DAC on the account of any losses or damages or costs, charges and/or expenses shall as between the Bank and C-DAC be conclusive of the amount so claimed or liable to be paid to C-DAC or suffered or incurred by C-DAC, as the case may be and payable by the Bank to C-DAC in terms hereof.

You (C-DAC's) shall full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the contact with the said M/s _____ (Name of Vendor) and to enforce or to forbear from endorsing any power or rights or by reason of time being given to the said M/s _____ (name of Vendor) which under law relating to the sureties would but for the provisions have the effect of releasing us.

You will have full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the contract with the said M/s _____ (Name of Vendor) and to enforce or to forbear from endorsing any power or rights or by reason of time being given to the said M/s _____ (Name of Vendor) which under law relating to the sureties would but for the provisions have the effect of releasing us.

Your right to recover the said sum of Rs. _____/- (Rupees _____ only) from us in manner aforesaid will not be affected/or suspended by reason of the fact that any dispute or disputes have been raised the said M/s _____ (Name of Vendor) and/or that any dispute or disputes are pending before any officer, tribunal or court or Arbitrator.

The guarantee herein contained shall not be determined or affected by the liquidation or winding up, dissolution or change of constitution or insolvency of the said M/s _____ (Name of Vendor) but shall in all respects and for all purposes be binding and operative until payment of all dues to C-DAC in respect of such liability or liabilities.



Our liability under this guarantee is restricted to Rs. _____/- (Rupees _____ Only). Our guarantee shall remain in force until unless a suit action to enforce a claim under guarantee is filed against us within six months from (which is date of expiry of guarantee) all your rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.

We have power to issue this guarantee in your favour under Memorandum and Articles of Association of our Bank and the undersigned has full power to do under the power of Attorney dated.

Notwithstanding anything contained herein:

- A. Our liability under this guarantee shall not exceed Rs _____ (in words)
- B. This bank guarantee shall be valid up to _____ & unless a suit for action to enforce a claim under guarantee is filed against us within six months from the date of expiry of guarantee. All your rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there after i.e. after six months from the date of expiry of this Bank guarantee
- C. We are liable to pay the guaranteed amount or any parts thereof under this bank guarantee only and only if you serve upon us a written claim or demand or before _____
- D. The Bank guarantee will expire on (Min 13 months from the date of successful installations of the items in the order) _____

Granted by the Bank

(SEAL)

For (Name of Bank)
Yours faithfully,

SEAL OF THE BANK
Authorised Signatory



UNDERTAKING
(ON COMPANY'S LETTERHEAD)

Name of Bidder:
Detailed Address:
Contact Person:
Mobile No:

Tender Ref. NO., for

DETAILS OF BROAD DEVICES / ITEMS TO BE SUPPLIED (ALL MAKE & MODEL)

Sr. No.	Description / Item	Make/ Model No	Declaration as per 6/18/2019-PPD & No.P-45021/112/2020-PP(BE-II)(E-43780) (Of OEM +Bidder)		(% Make in India contents (F. No. W-43/4/2019-IPHW-MeitY)
			Country of Origin of OEM	Country of Manufacture	
1					
2					
3					
..					

Bidder may add rows for the items required to cover the entire scope as per the Schedule of Requirements.



ANNEXURE – F

DOCUMENTARY / ELIGIBILITY CHECKLIST

Sr. No.	DOCUMENTARY / ELIGIBILITY	Details (if any)	Enclosed (Yes / No)	Page No.
1.	Checklist			
2.	Tender Fees (Rs. 1,500/-)	RTGS/IMPS/DD No.		
3.	EMD (Rs.3.35Lacs)	RTGS/IMPS/DD No.		
4.	Covering Letter			
5.	Authorisation Letter			
6.	The bidder should be an entity registered in India under appropriate Indian Laws. Certificate for the same need is to be submitted along with the bid.			
7.	Copies of PAN and GST registration certificates.	PAN – GST -		
8.	Bidder should have minimum average turnover of Rs.1.30Cr for last three financial years (2021-22,2022-23,2023-24). (CA certificate in this regards along with supporting balance sheets documents be submitted)			
9.	The bidder must have successfully completed at least One (01) Similar Composite/ Turnkey work of costing not less than the amount equal to 1.30 Crore in last 5 Years ending last day of month previous to the one in which bids are invited. ("Similar work means- Composite/Turnkey Works comprising Interior/Civil, Electrical & Allied work, HVAC works etc. in any Central / State Govt. Departments / Central PSUs/ State PSU/ Central Autonomous bodies/ State Autonomous bodies/ City Development Authority/Municipal Corporation of City formed under any act by Central/State Government and published in Central/State Gazette. The bidder shall submit Completion Certificate(s) mentioning name, nature of work(s), value(s) of the job(s), date(s) of commencement, stipulated date(s) of completion and actual date(s) of completion duly certified by officer of level of Executive Engineer or higher level or equivalent along-with LOI(s)/W.O(s) from respective Owner(s)/Client(s). The work order should have been placed by end client/user directly in the name of bidder) The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7 % per annum calculated from			



	the date of completion to last date of receipt of applications for tenders.			
10.	The bidder should have office presence in Pune or Mumbai Area (Attach Proof-Shop Act/Water bill/Electricity Bill etc.). Any rental agreement in lieu for office presence has to be registered agreement prior to the date of tender publishing.			
11.	Bidder has to submit the Site Visit report/undertaking (Annexure –C) along-with Geo-tagging photographs of self-mentioning with GPS coordinate, date and time and submit the same in online technical bid document. Site visit is mandatory. The bidder has to visit the site to assess the existing infrastructure condition on the floor, transport conditions and working conditions at site on date as mentioned above and submit Site visit undertaking.			
12.	The contractor must not be black listed / debarred from bidding by any Government Department, PSU or Autonomous institution, as on date of submission of bids. (Declaration to be submitted on letterhead)			
13.	Undertaking/ Declaration as per Annexure E			
14	Agreeing for bid validity of 150 days from bid submission date.			

(End of Document)



Annexure G

CERTIFICATE/UNDERTAKING FROM SUPPLIER

To: Executive Director,
C-DAC, Pune - 411008

Ref: Tender / Enquiry No xx dt xx

We have read the clause mentioned in Office Memorandum No. F.No.6/18/2019-PPD of Public Procurement Division, Department of Expenditure, Ministry of Finance dated 23rd July 2020 and Order (Public Procurement No. 1) No. F.No.6/18/2019-PPD of Public Procurement Division, Department of Expenditure, Ministry of Finance dated 23rd July 2020 and further Order/OMs regarding restrictions on procurement from a bidder of a country which shares a land border with India.

In view of this, We certify that,

a. We are not from a country sharing land border with India and any registration as mentioned in said OM is not applicable to us.

OR

b. We are registered with the competent authority as mentioned in said OM. The copy of registration No.xxx dt. xxx is enclosed.

For (Name of Bidder)

Authorized Signatory
(Name & Signature)
(Company's Seal)

Annexure-H



(To be executed on stamp paper of appropriate denomination duly notarised and applicable for all tenders of value above Rs.1 Crore)

INTEGRITY PACT

This Integrity Pact (“the Pact”) is made and executed on this ____ Day of _____ Two Thousand Twenty _____ at _____.

By and Between

Centre for Development of Advanced Computing (C-DAC), an autonomous scientific Society under the Ministry of Electronics and Information Technology, Government of India, registered under the Societies Registration Act 1860 and the Bombay Public Trusts Act 1950, having its registered Office at Savitribai Phule Pune University Campus, Pune 411 007, hereinafter referred to as "C-DAC/Principal", which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its administrators, successors or assignees, as the case may be.

and

..... hereinafter referred to as “The Bidder(s)/Contractor(s)”, which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its administrators, successors or assignees, as the case may be.

(The Principal and the Bidder (s)/Contractor(s) are collectively referred to as “the Parties”.

Preamble

The Principal intends to award, under laid down organizational procedures, contract/s for ----- (“the Contract”). The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s. The Principal intends 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. The Principal also intends that Bidder/s and Contractor/s should abstain from bribing or indulging in any corrupt practices 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 Bidder/s and Contractor/s shall commit to prevent corruption, in any form, by its officials by following transparent procedures.

In order to achieve these goals, the Principal, by way of this Integrity Pact (“the Pact”) will appoint Independent External Monitor (“IEM”) who will monitor the tender process and the execution of the Contract for compliance with the principles mentioned above.

The parties hereto hereby agree to enter into this Pact and agree as mentioned below.

Section 1 Commitments of the Principal



- 1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following:-
 - a) No employee of the Principal, personally or through relatives or any other person, will in connection with the tender, or for the execution of the Contract, demand, promise or accept for himself/herself or any third person, any material or immaterial benefit or any other advantage from the bidder/s or contractor/s which he/she is not legally entitled to.
 - b) The Principal will, during the tender process treat all Bidder/s and Contractor/s with equity and reason. The Principal will in particular, before and during the tender process, provide to all bidder/s and contractor/s the same information and will not provide to any bidder/s or contractor/s additional/confidential information through which the bidder/s and contractor/s could obtain an advantage in relation to the tender process or the contract execution.
 - c) The Principal will exclude from the process all known prejudiced persons.
- 2) If the Principal obtains information on the conduct of any of its employees, which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a substantive suspicion and the same is prima facie found to be correct in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions In such a case while such enquiry is being conducted by the Principal, the proceedings under the contract shall not be stalled.

Section 2

Commitments of the Bidder/ contractor

- 1) The Bidder / Contractor commits to take all measures necessary to prevent corrupt practices, unfair means and illegal activities. He commits himself to observe the following during his participation in the tender process and during the contract execution:
 - a) The Bidder / Contractor undertakes that he/she 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 Principal, for which benefit etc. he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
 - b) The Bidder / Contractor will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the Principal, for which benefit etc. he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract



- c) The Bidder / Contractor will not enter into any agreement or understanding with other Bidders in connection with the bid, including but not limited to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.
- d) The Bidder / Contractor will not commit any offence under the relevant provisions of Anti-Corruption Laws of India/Indian Penal Code, 1860, Information and Technology Act, 2000, Competition law or any other relevant laws, enactments, rules and regulations. Further the Bidder / Contractor will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically. The Bidder / Contractor also undertakes to exercise due and adequate care of any such information so divulged.
- e) The Bidder / Contractor further confirms and declares to the Principal that the Bidder / Contractor is the original manufacturer / integrator / authorised government sponsored export entity 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 Principal or any of its functionaries, whether officially or unofficially to the award of the contract to the Bidder / Contractor, 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.
- f) The Bidder / Contractor will, when presenting his bid, disclose any and all payments he has made, is committed to make or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract and the details of the services agreed upon for such payments.
- g) The bidder(s)/ contractor (s) of foreign origin shall disclose the name and address of agents and representatives in India related to this tender. Similarly, the bidder(s)/ contractor(s) of Indian nationality shall furnish the name and address of their foreign principals or associates, if any, related to this tender.
- h) The Bidder / Contractor shall not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- i) If the Bidder / Contractor or any employee of the Bidder / Contractor or any person acting on behalf of the Bidder / Contractor, either directly or indirectly, is a relative of any of the officers of the Principal, or alternatively, if any relative of an officer of the Principal has financial interest / stake in the Bidder's / Contractor's firm, proprietorship, company, etc. the same shall be disclosed by the Bidder / Contractor at the time of filing of tender/EoI. The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act, 2013.
- j) The Bidder / Contractor 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 Principal.



- k) The bidder / contractor shall disclose the circumstances, arrangements, undertakings or relationships that constitute, or may reasonably be considered to constitute, an actual or potential conflict of interest with its obligations specified in the tender process or under any Agreement which may be negotiated or executed with Principal. Bidder / Contractor and its employees, agents, advisors and any other person associated with the bidder / contractor must not place themselves in a position which may, or does, give rise to conflict of interest (or a potential conflict of interest between the interests of Principal or any other interests during this tender process or through operation of the Agreement.
 - l) The bidder(s)/ contractor (s) who have signed the Pact shall not approach the Courts while the matters/disputes/issues, related to tender process or the Contract are presented before the IEM and awaiting the final decision.
- 2) The Bidder / Contractor will not instigate third persons to commit above mentioned acts / omissions / offences outlined above or be an accessory to such offences.

Section 3

Disqualification from tender process and exclusion from future contracts

- 1) If the Bidder, before the Contract is awarded, has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or credibility as Bidder into question:
 - a) the Principal is entitled to disqualify the Bidder from the tender process or to terminate the Contract, if already signed, for such reason.
 - b) the Principal is entitled to exclude the Bidder / Contractor from participating in future contracts/tenders. The imposition and duration of the exclusion will be determined by the Principal based on the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressors within the company hierarchy of the Bidder / Contractor and the amount of the damage. The exclusion will be imposed for a minimum of six (6) months and maximum of three (3) years.
- 2) An act/omission would be treated as a transgression after due consideration of the available evidence by the Principal.
- 3) The Bidder / Contractor accepts and undertakes to respect and uphold the Principal's absolute right to resort to and impose such disqualification/exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision of disqualification/exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.
- 4) If the Bidder / Contractor can prove that he has restored the damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the aforesaid disqualification/exclusion prematurely.



Section 4 Compensation for Damages

- 1) Without prejudice to any rights that may be available to the Principal under any law or the contract or its laid down policies and procedures, the Principal shall have the following rights in case of breach of this Pact by the Bidder/Contractor:
 - a) To forfeit the Earnest Money/Bid Security if the Bidder is disqualified from the tender process prior to the award in terms of Section 3;
 - b) To forfeit/invoke the Security Deposit/ Performance Bank Guarantee if the Principal has either terminated or is entitled to terminate the Contract of the Bidder in terms of Section 3.
 - c) To immediately call of the pre contract negotiations without assigning any reason or giving any compensation to the Bidder / Contractor.
 - d) To immediately cancel the contract, if already signed, without giving any compensation to the bidder / contractor. The Bidder / Contractor shall be liable to pay the compensation for any loss or damage to the Principal resulting from such cancellation / rescission and the Principal shall be entitled to deduct the amount so payable from the amount due to the Bidder / Contractor.
 - e) To recover all sums already paid by the Principal, with interest at ___% @ p.a. if any outstanding payment is due to the Bidder / Contractor from the Principal in connection with any other contract, such outstanding payment could also be set off to recover the aforesaid sum and interest.
 - f) To recover all sums paid in violation of this Pact by the Bidder / Contractor to any middleman or agent or broker with a view to securing the contract.

Section 5 Previous transgression

- 1) The Bidder declares that he has not committed any transgressions in the last three (3) years against any Company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could invite/justify his exclusion from this tender process.
- 2) Any concealment of information or misrepresentation of facts, in regard to the aforesaid, can lead to his disqualification from the tender process or termination of the Contract, if already awarded, or invite any other appropriate action(s) as deemed fit.

Section 6



Equal treatment of all Bidders / Contractors / Subcontractors

- 1) The Principal will enter into Pacts on identical terms with all bidders and contractors.
- 2) The Bidder(s) / Contractor(s) assures to procure from all their subcontractors an undertaking for the adoption of this Pact. The Bidder (s) / Contractor(s) shall alone be responsible for any violation (s) of the provisions laid down in the Pact by any/all of their sub-contractor (s) or sub-vendor (s).
- 3) The Principal will be entitled to disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 Independent External Monitor / Monitors

- 1) The Principal appoints competent and credible Independent External Monitor as nominated and approved by the Central Vigilance Commission. The task of the IEM is to review independently and objectively, whether and to what extent the Parties comply with the obligations under this Pact. The IEM would be required to sign 'Non-Disclosure Agreements' alongwith a declaration of 'Absence of Conflict of Interest'. In case of any conflict of interest arises at a later date, the IEM shall inform Chairperson of the Board of the Principal and recuse himself/herself from that case.
- 2) The IEM is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairperson of the Board of the Principal. The IEM would be provided access to all documents/records pertaining to the contract for which a complaint or issue is raised before them, as and when warranted. However, the documents/records/information having National Security implications and those documents which have been classified as Secret/Top Secret are not to be disclosed.
- 3) The Bidder / Contractor accepts that the IEM has the right to access, without restriction, all Project documentation available with the Principal including the documents/ records/ information provided by the Bidder/Contractor. The Bidder/Contractor will also grant the IEM, upon their request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The IEM is under contractual obligation to treat the documents/ records/ information of the Bidder/Contractor/ Subcontractor with confidentiality.
- 4) The Principal will provide to the IEM sufficient information about all meetings among the parties related to the Project provided that such meetings could have an impact on the contractual relations between the Principal and the Bidder/Contractor. The Parties will offer to the IEM the option to participate in such meetings.
- 5) As soon as the IEM notices, or suspects, a violation of this Pact, he will inform the Management of the Principal and request the Management to discontinue or rectify the violation, or take any other relevant action. The IEM can in this regard submit nonbinding recommendations. Beyond this, the IEM has no right to demand from the



Parties that they act in a specific manner, refrain from action or tolerate action. However, the IEM shall give an opportunity to the Bidder / Contractor to present his case before making its recommendations to the Principal.

- 6) The IEM is expected to tender their recommendation on all the complaints within 30 days of their receipt, to the Chairperson of the Board of the Principal. Further, should the occasion arise, the IEM may submit proposals for correcting problematic situations.
- 7) If the IEM has reported to the Chairperson of the Board of the Principal a substantiated suspicion of an offence under relevant Anti-Corruption Laws of India/Indian Penal Code, 1860, or any other relevant laws and the Chairperson has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the IEM may transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8) The word 'IEM' would include both singular and plural.

Section 8 Pact Duration

- 1) This Pact comes into force when both parties have signed it. It expires for the Bidder / Contractor 12 months after the last payment under the respective contract, and for all other Bidders / Contractors 6 months after the contract has been awarded.
- 2) If any claim is made / lodged during the aforesaid duration, the same shall continue to be valid despite the lapse of this pact as specified above, till it is discharged / determined by Chairperson of the Board of the Principal.

Section 09 Other provisions

- 1) This Pact is subject to Indian Laws. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. Pune. The Arbitration clause provided in the main tender document / contract shall be applicable to any issue / dispute arising under this Pact.
- 2) If the Contractor is a partnership or a consortium, this Pact must be signed by all partners or consortium members.
- 3) In case of any allegation of violation of any provisions of this Pact or payment of commission etc. the Principal or its agencies shall be entitled to examine all the documents including the Books of Accounts of the Bidder / Contractor and Bidder / Contractor shall provide necessary information and documents and shall extend all possible help for the purpose of such examination.
- 4) If one or several provisions of this Pact are held to be invalid/unenforceable, the remainder of this Pact shall remain valid as though the invalid or unenforceable parts had not been included herein. In this case, the parties will strive to come to an agreement to their original intentions.



5) Issues like warranty/ guarantee etc. shall be outside the purview of IEM.

For the Principal

Place -----

Date -----

For the Bidder / Contractor

Witness 1 : -----

Witness 2: -----