



“हिन्दी का प्रचार राष्ट्रसेवा है।”

प्रपत्र क्र. / F. No. G-28

दि न्यू इन्डिया एश्योरन्स कंपनी लिमिटेड
THE NEW INDIA ASSURANCE COMPANY LIMITED

(भारत सरकार का उपक्रम)

(Government of India Undertaking)

GSTIN No. : 27AAACN4165C3ZP / IRDA Registration No.: 190 / CIN No. : L66000MH1919GOI000526

उत्तर देते समय लिखें - संदर्भ क्र.
IN REPLY PLEASE QUOTE
REF.:

मुंबई सीबीओ - 3 / Mumbai CBO - III (890000)

प्लॉट नं. सी-6, एन. सी. एल. प्रिमायसेस, पहली मंजिल, बांद्रा-कुर्ला संकुल, बांद्रा (पूर्व), मुंबई - 400 051.
Plot No. C-6, N. C. L. Premises, 1st Floor, Bandra-Kurla Complex, Bandra (E), Mumbai - 400 051.

TENDER NOTICE

Date: July 30, 2024

Tender No:- NIA/MCBO3/ESTB/2024/1

Re:- RFP for Civil, Furniture, Electrical, Networking, Air Conditioning, Fire alarm & CCTV Work of Office for the New India Assurance Co. Ltd at Mumbai Corporate Business Office-3, 1st floor, NCL Premises, Plot C-6, Bandra East, Mumbai- 400051

Tenders are invited in 2 bid systems for captioned RFP for Mumbai Corporate Business Office-3 of The New India Assurance Company Located at 1st floor, NCL Premises, Plot C-6, Bandra East, Mumbai 400051 for selection of contractor.

The work shall be executed as per specifications & Supervision of the architect, M/s. Architect Approach Tender documents can either be downloaded from company's E-procurement portal www.tenderwizard.com/NIAEPROC or www.newindia.co.in

The cost of tender is Rs. 1180/- (inclusive of GST) (non-refundable) to be paid by a DD favoring The New India Assurance Co. Ltd. payable at Mumbai on or before the last date of submission. EMD for this work is Rs. 1.5 lacs /- (without interest) to be paid by DD, favoring The New India Assurance Co. Ltd. payable at Mumbai on or before the last submission. Both Cost of tender and EMD to be submitted to the office of the Chief Regional Manager, Mumbai Corporate Business Office-3, The New India Assurance Company Located at 1st floor, NCL Premises, Plot C-6, Bandra East, Mumbai 400051. Scanned copies of the same (tender fee DD and EMD DD) must also be uploaded on the website www.tenderwizard.com/NIAEPROC. MSE registered firms are exempted from paying the tender cost and EMD on submission of valid certificates and the MSE certificate shall be uploaded on the portal.

The estimated cost of the project is Rs. 69.13 Lacs. (excluding taxes)

Bidders can submit their bid on or before **20th August 2024 up to 03:00 PM** through e-procurement portal only i.e., through www.tenderwizard.com/NIAEPROC. No other mode of bid submission is accepted.

PRE BID MEETING WILL BE HELD ON 8th August 2024 , 11:30 AM at the site.

The New India Assurance Company Ltd do not bind themselves to accept any or all bids and reserves the right to accept any or all bids without assigning reason.

Note:- No documents except tender fee and EMD DD and MSME certificate to be submitted offline.

Chief Regional Manager

Mumbai Corporate Business Office-3



पंजीकृत एवं प्रधान कार्यालय : न्यू इन्डिया एश्योरन्स बिल्डिंग, 87, महात्मा गांधी मार्ग, फोर्ट, मुंबई - 400 001.
Regd. & Head Office : New India Assurance Building, 87, Mahatma Gandhi Road, Fort, Mumbai - 400 001.

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SPECIAL INSTRUCTIONS TO BIDDERS FOR E-TENDERING

1. Tender document with detailed terms and conditions is available on our Website www.tenderwizard.com/NIAEPROC. Interested parties may download the same and participate in the tender as per the instructions given therein, on or before the due date of the tender. The tender shall have to be submitted online through the e-Procurement system on www.tenderwizard.com/NIAEPROC.
2. As a pre-requisite for participation in the tender, vendors are required to obtain a valid Digital Certificate of Class IIB (with both signing and encryption component) and above as per Indian IT Act from the licensed Certifying Authorities (For ex. N-codes, Sify, E-mudra etc.) operating under the Root Certifying Authority of India (RCIA), Controller of Certifying Authorities (CCA). The cost of obtaining the digital certificate shall be borne by the vendor. In case any vendor so desires, he may contact our e-Procurement service provider M/s. Antares Systems, for obtaining the Digital Signature Certificate.
3. Corrigendum / amendment, if any, shall be notified on the site www.tenderwizard.com/NIAEPROC. In case any corrigendum / amendment is issued after the submission of the bid, then such vendors, who have submitted their bids, shall be intimated about the corrigendum/amendment by a system-generated email (In case of open tender corrigendum / amendment will be on the public dash board and no mail will be fired for the vendor who has not participated by that time). It shall be assumed that the information contained therein has been taken into account by the vendor. They have the choice of making changes in their bid before the due date and time.
4. Vendors are required to complete the entire process online on or before the due date of closing of the tender.
5. The Commercial/Price bid of only those vendors shall be opened whose Technical bid is found to be acceptable to us. The schedule for opening the price bid shall be advised separately.
6. Directions for submitting online offers, electronically, against e-Procurement tenders directly through internet:
 - i. Vendors are advised to log on to the website www.tenderwizard.com/EPROC and arrange to register themselves at the earliest.
 - ii. The system time (IST) that will be displayed on e-Procurement web page shall be the time considered for determining the expiry of due date and time of the tender and no other time shall be taken into consideration.
 - iii. Vendors are advised in their own interest to ensure that their bids are submitted in e-Procurement system well before the closing date and time of bid. If the vendor intends to change/revise the bid already entered, he may do so any number of times till the due date and time of submission deadline. However, no bid can be modified after the deadline for submission of bids.
 - iv. Once the entire process of submission of online bid is complete, the vendors are required to go to option own bid view through dashboard and take the print of the envelope receipt as a proof of submitted bid.

- v. Bids / Offers shall not be permitted in e-Procurement system after the due date / time of tender. Hence, no bid can be submitted after the due date and time of submission has elapsed.
 - vi. No manual bids / offers along with electronic bids/offers shall be permitted.
7. Once the Commercial/Price bids are opened, vendors can see the rates quoted by all the participating bidders by logging on to the portal under their user ID and password and clicking on other bid view
 8. No responsibility will be taken by and/or the e-Procurement service provider for any delay due to connectivity and availability of website. They shall not have any liability to vendors for any interruption or delay in access to the site irrespective of the cause. It is advisable that vendors who are not well conversant with e-tendering procedures, start filling up the tenders much before the due date /time so that there is sufficient time available with him/her to acquaint with all the steps and seek help if they so require. Even for those who are conversant with this type of e-tendering, it is suggested to complete all the activities ahead of time. It should be noted that the individual bid becomes viewable only after the opening of the bid on/after the due date and time. Please be reassured that your bid will be viewable only to you and nobody else till the due date/ time of the tender opening. The non-availability of viewing before due date and time is true for e-tendering service provider as well as New India Assurance officials.
 9. New India Assurance and/or the e-Procurement service provider shall not be responsible for any direct or indirect loss or damages and or consequential damages, arising out of the bidding process including but not limited to systems problems, inability to use the system, loss of electronic information etc.
 10. Bidder should arrange for the Tender Cost/EMD as specified in the tender. The original should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission date and time of the tender.
 11. The bidder has to submit the tender document(s) online well in advance before the prescribed time to avoid any delay or problem during the bid submission process.
 12. The details of the Tender Cost and EMD document submitted physically to the Department before due date of submission of tender and the scanned copies furnished at the time of bid submission online should be the same otherwise the Tender will be summarily rejected. Ensure that the copies of Tender Cost and EMD are submitted under their respective heads only.
 13. The Tender Inviting Authority (TIA) will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders due to local issues.
 14. Bidder should take into account all the corrigenda published before submitting the bids online.
 15. The bidder should see that the bid documents submitted should be free from virus/ and if the documents could not be opened, due to virus, during tender opening, the bid is liable to be rejected
 16. Please note that if rates are not filled in BOQ, then system will show it as zero. *If bidder fails to quote*

any rates in the BOQ, then their bid will be considered 'incomplete bid' and their bid will be rejected. Only complete bids will be considered for further evaluation.

17. Tender cost/exemption will be as per government rules applicable to MSME. Please submit relevant certificates in respective heads along with hard copies of the documents in the department for pre-verification.
18. Only bids submitted through online mode will be considered for evaluation.
19. If the amount quoted by the L1 bidder is less than 25% of the estimated cost, she/he shall submit a bank guarantee of amount equal to the difference in the amount quoted and total estimated cost. In case of freak rates for particular items, the L1 bidder shall submit a bank guarantee equal to the difference between the amount quoted and the estimated rate of particular items.
20. In case of any clarification pertaining to e-Procurement process, the vendor may contact the following agencies /personnel:

Sr. No.	Particulars	Company Name	Contact Details
1	For e-Tendering Support	M/s. Antares Systems	9731468511 (Mr. Sushant) lokesh.hr@etenderwizard.com
2	For Tender related Queries	The New India Assurance Co. Ltd	022 - 4825 3041 98191 97959 (Mr. Anand Jaiswal) anand.34959@newindia.co.in 8424025915 (Mr. Arpit Shrivastava) arpit.s@newindia.co.in

MOST IMPORTANT INFORMATION

Reference No : NIA/MCBO3/ESTB/2024/1	
RFP for Civil, Furniture, Electrical, Networking, Airconditioning, Fire alarm & CCTV Work of Office for the New India Assurance Co. Ltd at Mumbai Corporate & Brokers Office-3, 1st floor, NCL Premises, Plot C-6, Bandra East, Mumbai- 400051	
Tender publishing date	1 st August 2024
Last Date of Bid submission	20 th August 2024 before 03.00 PM
Tender Fees(Non- Refundable)	Rs. 1180 /- (inclusive of 18% GST)
Pre-Bid Meeting	08/08/2024 at 3.00 PM
EMD (refundable)	Rs. 1,50,000
Address for communication and submission of EMD and Tender fees.	Chief Regional Manager, New India Assurance Co. Ltd at Corporate & Brokers Office-3, 1 st floor, NCL Premises, Plot C-6, Bandra East, Mumbai - 400051
Contact Details	98191 97959 (Mr. Anand Jaiswal) anand.34959@newindia.co.in 8424025915 (Mr. Arpit Shrivastava) arpit.s@newindia.co.in
Architect	M/s Architects Approach Contact no. 9820158656

INSTRUCTION FOR FILLING IN TENDER

1.0 THE TENDER OFFER:

- 1.1 The tender documents will be available on www.tenderwizard.com/NIAEPROC as well as www.newindia.co.in
- 1.2 The bidder has to use the E-Tender portal only for participating in the tender (Refer **SPECIAL INSTRUCTIONS TO BIDDERS FOR E-TENDERING**).
- 1.3 Downloading of tender document from E-Tender portal is mandatory for tender participation.
- 1.4 The online bids under two bid systems comprising of (1) The Technical Bid and (2) Commercial Bid should be submitted online on E-Tender portal on or before **20/08/2024 (20th August 2024) before 3.00 PM**. The commercial Bill should be quoted **excluding GST & other Taxes (if any) which shall be payable by NIA as actuals**. The various documents to be submitted Online and Offline along with the Technical and the Commercial Bid are motioned in the Section II and Annexure-1 of this document.
- 1.5 No Offline documents shall be accepted except of tender cost and EMD/DD/MSE certificate.
- 1.6 At any time prior to the last date of receipt of bids, the Company may, for any reason, whether at its own initiative or in response to clarifications requested by the prospective bidders, modify the tender documents by clarifications.
- 1.7 The clarifications, if any, issued by the Company at any time before the due date of submission of the bid will become part of the tender document and would be notified on both the websites.
- 1.8 No bid will be accepted after the due date & time. The details of the Tender Cost/ Bid Security Declaration document submitted physically to the Department before due date of submission of tender and the scanned copies furnished at the time of bid submission online should be the same otherwise the Tender will be summarily rejected. Ensure that the copies of Tender Cost/Bid Security Declaration are submitted under their respective heads only
- 1.9 The details of the Tender Cost/ Bid Security Declaration document submitted physically to the Department before due date of submission of tender and the scanned copies furnished at the time of bid submission online should be the same otherwise the Tender will be summarily rejected. Ensure that the copies of Tender Cost/Bid Security Declaration are submitted under their respective heads only

SECTION – II

PART A-TECHNICAL BID (ONLINE)

The scanned copies of the following documents are to be submitted

- a. Demand Draft for Tender Document Fees worth Rs. 1180/- (inclusive of 18% GST) towards Tender Fee drawn in favour of “The New India Assurance Co. Ltd.” payable at Mumbai.
- b. EMD of Rs. 1,50,000)- (in form of Demand Draft/Fixed Deposit Receipt/Bank Guarantee/e-Bank Guarantee, insurance surety Bond of any IRDAI authorised insurer other than New India.)
- c. Technical Bid as per Annexure-1 and supporting documents.

PART A-TECHNICAL BID (OFF LINE)

The following documents

- a. Original DD towards tender document Fees
- b. Original Bid Security Declaration

are required to be submitted offline in physical/hard copies to the office of Chief Regional Manager at Mumbai Corporate & Brokers Office-3, 1st floor, NCL Premises, Plot C-6, Bandra East, Mumbai – 400051 by on or before 20/08/2024 before 3.00 PM in one sealed envelope super scribed as Offline Document Submission for **“RFP for Civil, Furniture, Electrical, Networking, Airconditioning, Fire alarm & CCTV Work of Office for the New India Assurance Co. Ltd at Mumbai Corporate & Brokers Office-3, 1st floor, NCL Premises, Plot C-6, Bandra East, Mumbai- 400051”** failing which the bids(s)is/are liable to be rejected and their tender may not be opened.

The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during submission time. Otherwise the submitted bid will not be acceptable.

PART B-COMMERCIAL BID (ON LINE ONLY)

- a) Commercial Bid as per Annexure-3

Note: No offline documents are required to be submitted for commercial bid.

SECTION III

GENERAL TERMS & CONDITIONS

1. Procedure for Processing the Tender Documents:

- 1.1 The Committee constituted by the Company will open the “Technical Bid” electronically and off-line documents cover physically. In case, offline documents sealed cover does not contain Demand Draft towards Earnest Money Deposit and Tender documents fees, the bid offer may be rejected.
- 1.2 The Commercial Bids of Technically qualified bidders will be opened by the Committee electronically in the presence of the bidders who wish to be present for opening, L1 will be identified on the Total Price of the Commercial Bid & Summary.
- 1.3 Any Commercial Bid incomplete in any respect will be disqualified.
- 1.4 This procedure is subject to changes, if any, and the procedure adopted by the Company for opening the tender shall be final and binding on all the parties.

2. Location:

- 2.1 Address of the Premises: Mumbai **Corporate & Brokers Office-3, New India Assurance Co. Ltd, ,1St floor, NCL Premises, Plot C-6, Bandra East, Mumbai – 400051**
- 2.2 Tenderers must get acquainted with the proposed work and study drawings, designs, specifications, conditions of contract and other conditions carefully before tendering. The Tenderer shall seek clarifications on any item, if required, prior to submitting his tender. No request of any change in rates or conditions for want of information on any particular point shall be entertained after receipt of the tenders.
- 2.3 The Tenderer is advised to inspect the site to ascertain the nature of site, access thereto, location, facilities for procurement of materials, labour rates and execution of the work. The Tenderer shall be deemed to have full knowledge of the site and drawings whether or not he actually inspects them.

3. **Agreement:**

The successful bidder shall have to enter into a detailed Agreement. A Performa/Draft Agreement as mentioned in **Annexure-2**. However, the Company reserves the right to alter/vary/amend/modify all or any of the terms set out in the said Performa/Draft Agreement.

Encl:

Annexure1(Technical Bid)

Annexure-2- (Security Deposit)

Annexure-3 - (Commercial Bid)

GENERAL CONDITIONS

Contractor will not disclose details of the work to any person or persons except those engaged in its performance, and only to the extent required for the particular portion.

Contractor will not give any item concerning details of the work to the press or a news disseminating agency without prior written approval from NIA / Architect contractor shall not take any pictures / photographs on site without written approval of NIA /Architect.

A. DEFINITIONS:

1. The "CONTRACT" means the documents forming the tender and acceptance thereof any the formal agreement executed between NIA and the Contractor together with the documents referred to therein including these conditions, the specifications bills of quantities, designs, drawings and instructions issued from time to time by NIA or any person authorized by the competent Authority, and all these documents taken together shall be deemed to form one contract and shall be complementary to one another.
2. In the contract the following expressions shall unless the context otherwise required, have the meanings hereby respectively assigned to them.
3. The expressions "Works" or "Work" shall unless there be something either in the subject or context repugnant to such construction, be constructed and taken to mean the works by or by virtue of the contract contracted to the executed whether temporary or permanent and whether original, altered, substituted or additional.
4. The "Contractor" shall mean the individual or firm or company whether incorporated or not undertaking the works and shall include the legal personal representative of such individual or the persons composing such firms or company and the permitted assigns of such individual or firm or firms or company.
5. The "Contract Sum" shall mean in case of item rate contracts, the cost of the works arrived at after extension of the quantities shown in the schedule of quantities by the items rates quoted by the Contractor / Tenderer for the various items.
6. A "Day" shall mean a day of 24 hours from midnight to midnight irrespective of the number of hours worked on that day.
7. "Expected risks" are risks due to riots (otherwise than among Contractor's labors / employees) and civil commotions (in so far as both these are uninsurable), wars (whether declared or not), invasions, act of foreign enemies, Hostilities, Civil war, rebellion, insurrection military or usurped power, any act of Governments, damage from aircraft, acts of God such as earthquake, lighting and unprecedented floods, and other causes over which the contractor has no control and accepted as such by NIA of the part of works in respect of which a certificate of completions has been issued.
8. "Market-Rate" shall be the rate as decided by Architects on the basis of the cost of materials and labour at site when the work is to be executed plus the percentage mentioned in **Schedule 'F'** to cover all overheads and profits. This is applicable to Extra

items.

9. "Schedule" referred to in these conditions shall mean the relevant schedule (s) annexed to the Tender documents / papers issued by NIA of the standard schedule of rates prescribed by NIA and the amendments thereto issued from time to time.
10. "Project Architect" shall mean **M/s. Architects Approach** and will include duly authorised representative or any other person empowered by them in this behalf to discharge all or any of their functions.
11. Architect shall mean qualified Engineer or nominated official (Authorised official) duly appointed by NIA/ Architect who will act on their behalf.
12. The competent authority shall mean The Chief Regional Manager, Mumbai Corporate & Brokers Office-3 , The New India Assurance Co. Ltd., and will include duly authorised representative / officials or any other person empowered by NIA / Architect in this behalf to discharge all or any of their functions.
13. Where the context so requires words imparting the singular only include the plural and vice-versa.
14. Headings and marginal notes to these conditions shall not be deemed to form part thereof or be taken into consideration in the interpretations or constructions thereof of the Contract.
15. Foreclosure of Contract in full or in part due to Abandonment or Reduction in scope of work:

If at any time after acceptance of the Tender NIA shall decide to abandon or reduce the scope of the works for any reason whatsoever and hence not require the whole or any part of the works to be carried out, the Architect / NIA (Authorised official) shall give notice in writing to the effect to the contractor and the contractor shall have no claim to any payment of compensations or other issues whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.

B. TERMINATIONS OF CONTRACT FOR DEATH:

1. If the Contractor is an individual or a proprietary concern and the individual or the proprietor dies and if the Contractor is a partnership concern and one of the partner dies then unless the Competent Authority is satisfied that the legal representative of the individual contractor or of the proprietor of the concern and in the case of partnership, the running partners are capable of carrying out and completing the contract ,the Competent Authority shall be entitled to cancel the contract / terminate the contract as to liable for payment of any compensations to the estate of the deceased Contractor and / or to the surviving partners of the Contractor's firm on account of the cancellations of the contract. The decision of the competent Authority that the legal representatives of the deceased Contractor or the surviving partner of the Contractor's firm cannot carry out and complete the contract shall be final and binding on the parties. In the event of such cancellation NIA shall not hold the estate of the deceased Contractor and / or the surviving partners of the Contractor's firm liable in damages for not completing the contract.

c. CANCELLATIONS OF CONTRACT IN FULL OR PART:

If the Contractor

1. At any time makes default in proceeding with the work with due diligence and continues to do so after a notice in writing within 7 days from the NIA/Architect/Authorised Official.
2. Commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is to given to him in that behalf by the NIA / Architect / Authorised official.
3. Fails to complete the works or items of works within individuals / particular date of completion on or before the date (s) of completion and does not complete them within the period specified in a notice given in writing on that behalf by the NIA/Architect.
4. Shall offer or give or agree to give to any person in NIA service or to any other person on his behalf any gift or considerations of any kind as an inducement or reward for doing or for bearing to do or for having done or fore borne to do any act in relations to obtaining or execution of this or any other contract for NIA.
5. Shall obtain a contract with NIA as a result of running tendering or other non bonafide methods of competitive tendering or.
6. Shall obtain / enter into a contract with NIA in connection with which commission has been paid or agreed to be paid by him or to his knowledge unless the particulars of any such commission and the terms of payments thereof have previously been disclosed in writing to the competent Authority / NIA.

Being an individual or if a firm any partner thereof shall at any time being adjudged insolvent or have a receiving order or order for administration of liquidations or composition (other than a voluntary liquidations for the purpose of amalgamation or construction) under an insolvent act for the time being in force or make any conveyance in assignment of his effective or composition or arrangement for the benefit of his creditors or purpose so to, or if any applications be made under any Insolvency Act for the time being in force for the sequestration's of his estate or if a trust deed be executed by him for the benefit of his creditor or.

7. Being a company shall pass a resolution or the court shall make an order for the liquidation of its affairs or a receiver or manager on behalf of the debenture holders shall be appointed or circumstances shall arise which entitle the court or debenture holders to appoint a receiver or manager or.
8. Shall suffer an execution being levied on his goods and allows it to be continued for a period of 35 days.
9. Assigns, transfer, sublets (engagement of labours on a piece work basis or of labour with materials not to be incorporated in the work shall not be deemed to be subletting) or attempts to assign transfer or subject the entire works or any portion of the work without prior approval of the competent Authority. The competent Authority may without prejudice to any other right to remedy which shall have occurred or shall occur thereafter to the NIA by written notice cancel the contract as whole or only such items of work in default from the contract.
10. NIA shall on such cancellation have power to:
 - i. Take possession of the site and any materials, constructional plant / building

etc., implements, stores etc

ii. Carry out the incomplete work by any means at the risk and cost of the contractor.

11. On cancellation of the contract in full or in part the site / authorized official shall determine what amount if any, is recoverable from the contractor for completion of the works or part of the works or in case of the works or part of the works is not to be completed the loss or damage suffered by NIA In determining the amount credit shall be given to the contractor for the value of contractor's materials taken over and incorporated in the work and use of tackle and machinery belonging to the contractor.
12. Any excess expenditure incurred or to be incurred by NIA in completing the works or part of the works or the excess loss or damages suffered or may be suffered by NIA as aforesaid after allowing such credit shall be recovered from any money are not sufficient the contractor shall be called in writing to pay the same within 30 days. If the contractor shall fail to pay the required sum within the aforesaid period of 30 days the NIA / Architect / authorised official shall have the right to sell any or all of the Contractor's unused materials, construction plant, implements, temporary buildings etc., and apply the proceeds of the sale thereof towards the satisfaction of any sums due from the Contractor under the contract and if thereafter there be any balance outstanding from the Contractor it shall be recovered in accordance with the provisions of the contract.
13. Any sums in excess of the amounts due to the NIA and unsold materials, construction plant etc., shall be returned to the contractor, provided always that if the cost or anticipated cost of completion by NIA of the work or part of the work is less than the amount which the contractor would have been paid and the completed the works or part of the works such benefit shall not accrue to the Contractor.

D. TENDERS, RATES ETC.

1. The work to be carried out under the contract shall except as otherwise provided in these conditions include all labour, materials, tools, plants, equipments and transport which may be required in preparation of and for and in the full and entire execution and completion of the works. The descriptions given in the schedule of quantities shall unless otherwise stated be held to include waste on materials, carriage and cartage, carrying in, return of empties, hoisting, setting, fitting and fixing in position and all other labours necessary in and for the full and entire execution and completion as aforesaid in accordance with good practice and recognized principles.
2. The attached bill of quantities is our best estimate of the job.
3. All the quantities therein are approximate, payments will be made on the actual measurements / certified by the Architect / NIA authorised official & project Architect.

4. NIA will have the right to omit, alter, add or cancel any of the items of work shown in the schedule without assigning any reason whatsoever and no claim for compensation will be entertained for the same, NIA is further at liberty to carry out any items of work departmentally or through any other contractor and no compensation will be paid to the main contractor on that account.
5. Work contained in the Schedule of Quantities comprises the erection of a reinforced concrete structure, with masonry walls, windows / doors, plastering / filling etc. water tanks, plumbing / sanitary work, interior works, electrical work and exterior work within the premises such as roads, paving etc.
6. Before submitting the Tender, the contractor shall visit and examine the site situated at : **Mumbai Corporate & Brokers Office-3, New India Assurance Co. Ltd, ,1st floor, NCL Premises, Plot C-6, Bandra East, Mumbai – 400051** to satisfy himself /herself as to the nature of the existing roads or other means of communications, the character of the soil and of the excavations, the correct dimensions of the work facilities for procuring various construction and other materials and shall obtain generally his own information on all matters and conditions affecting the execution of the works. No extra charge made in consequence of any misunderstanding or incorrect information on any of these points or on the grounds of insufficient description will be allowed. The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the schedule of quantities which rates and prices shall except as otherwise provided cover all his obligations under the contract and all matters and things necessary for the proper completion and maintenance of the works.
7. It must be clearly understood that the whole of the conditions and specifications are intended to be strictly enforced and **that no extra work will be allowed unless they are clearly outside the spirit and meaning of the conditions and have been ordered in writing by NIA / Architect (authorised official)**
8. Before filling the Tender the Contractor will check all drawing and schedule of quantities and will get an immediate clarification from Architect / NIA as required on items not clearly understood. Any claim for any loss or compensation will not be entertained on this account.
9. The rates quoted by the Contractor shall be for finished work measured in site and should include supply of all materials labour, tools tackles, marking out and clearing of the site and liaison charges, with licensed plumbers for preparing plans, arranging necessary permissions from Municipal Corporation, Statutory bodies etc. as applicable for this project. **The rates shall be exclusive of all taxes such as GST & other Tax if any.**
10. The rates quoted by the Contractors should also include for providing all scaffolding, hoists, tackle and other plant, shuttering profiles and apparatus generally required for the proper execution of the work. The contractors shall provided without extra charges all labour

and apparatus required by NIA for testing and measuring the works and for weighing measuring, providing or testing the efficiency of any portion of the works and shall also at his own cost provide all planking gang ways, etc. necessary for affording access to every part of the works.

11. The rates quoted by the Contractor should cover for necessary transport of materials from place of availability to the site of works.
12. The Contractor is expected to quote rate for each item after careful analysis of cost involved for the performance of the completed item considering all specifications and conditions of contract. This will avoid loss of profit or gain in case of curtailment or change of specification for any item. **In case it is noticed that the rates quoted by the tenderer for any item are Abnormally Low Rate(ALR). Analysis for such rates will have to be furnished by the tenderer on demand, to satisfy NIA about the reasonableness of the rates. NIA may demand additional security deposit for such ALR items in form of Bank Guarantee for difference of amount i.e. estimated rate minus quoted rates. Such additional SD shall be released on successful completion of project and certificate is issued thereof.**

E. EXTRA ITEMS

14. The NIA (authorised official) shall have the power to make any alterations in, omission from, addition to or substitutions for the schedule of rates the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work and the Contractor shall be bound to carry out the such altered / extra / new items of work in accordance with any instructions which may be given to him in writing signed by the NIA, and such alterations, omissions, additions or substitutions shall not invalidate the contract and any altered additional or substituted work which the contractor on the same conditions in all respects on which he agreed to do the main work. The time for completion of work may be extended for the part of the particular job at the discretion of the NIA, for only such alternations, additions or substitutions of the work, as he may consider as just and reasonable. **The rates for such additional, altered or substituted work under this clause shall be worked out in accordance with the following provisions. :-**
 - a. If the rates for the additional, altered or substituted work are specified in the contract for the work, the contractor is bound to carry out the additional, altered or substituted work at the same rates as are specified in the contract.
 - b. If the rates for the additional, altered or substituted work are not specifically provided in the contract for the work, the rates will be derived from the rates for similar class of work as are specified in the contract for the work. The opinion of the Architect / NIA, as to whether or not the rates can be reasonably so derived from the items in this contract, will be final and binding on the contractor.
 - c. If the rates for the altered, additional or substituted work cannot be determined in the manner specified in sub clause (a) & (b) above, then the contractor shall, within 7 days of the date of receipt of order to carry out the work, inform the

NIA / Architect (authorised official) of the rate which it is his intention to charge for such class of work, supported by analysis of the rate or rates claimed, based on standard market rate analysis hand book published by NBO, and the NIA / Architect shall determine the rates on the basis of the prevailing market rates of materials, transport and labour plus 15% for overheads and contractor profit and pay the contractor accordingly. The opinion of NIA / Architect (authorised official) as to current market rates of materials and labour involved will be final.

15. Architect / NIA (authorised official) shall issue instructions to the contractor in regard to what is to be done concerning on object reported by the contractor under the proceeding sub clause and such instruction may be required to contractor to permit the examinations, excavations, or removal by a third party. Architect / NIA (authorised official) may issue instructions to the contractor in regard to be removal and disposal of the same at the expenses of NIA If in the opinion of the Architect / NIA, the above activity has involved the contractor indirect loss of time the NIA / Architect may allow extension of time for the completion of work equal in period to assessed loss of time on this account. The contractor shall not be eligible to claim any financial compensation due to any delay caused in this account.
16. NIA shall have the right to direct the contractor to purchase and use materials from any source for the proper execution of work.
17. Except if and to the extent otherwise provided by the contract, the provision of the General conditions of contract and special conditions shall prevail over those of any other documents forming part of the contract. Several documents forming the contract are to be taken as mutually, explanatory. Should there be any discrepancy inconsistency error or omission in the contract or any of them the matter may be referred to Architect / NIA who shall give his decisions and issue to the contractor instructions directing in what manner the work is to be carried out. The decision of the Architect / NIA (authorized official) shall be final and conclusive and the contractor shall carry out work in accordance with this decision.
18. Works shown upon the drawing but not mentioned in the specifications or described in the specifications without being shown on the drawings shall nevertheless be held to be included in the same manner as if they had been specifically shown upon the drawings and described in the specifications.
19. NIA reserves the right to accept or reject any or all the tenders without assigning any reasons. In other words, NIA do not bind themselves to accept the lowest of any tender.
20. Tender submitted by tenderer shall remain valid for acceptance for a period of 120 days from the date of opening of the tender. The tenderer shall not be entitled during the said period of 120 days, without the consent in writing of NIA to revoke, or cancel his tender. In case of revoking or cancelling his tender, varying any terms in regard whereof without the consent of NIA in writing the tenderer shall forfeit earnest money paid by him along with the tender.
21. In case of discrepancies between schedule of quantities, the specifications and or the drawings thereof, the following order of preference shall be observed.
 - i. Descriptions in Schedule of Quantities.

- ii. Particular specification and special conditions, If any.
- iii. Drawings:

In any case the most stringent of the above three shall apply. The decision of the NIA / Architect in this regard is final. In case of varying or conflicting provisions made in any one document forming part of the Contract NIA shall be the deciding authority with regard to the intentions of the documents.

- 22.** Any error in descriptions, quantities or rates in schedule of quantities or any omissions there from shall not vitiate the contract or release the contractor from the execution of the whole or any part of the work comprised therein according to drawings and specifications or from any of his obligations under the contract.

F. PAYMENT TERMS

1. **Two Bills** including the Final Bill (subject to retention and other deductions) will be made.
2. Income tax / cess / taxes / other / statutory levies if any shall be deducted from every running bills and final bill payment as applicable from time to time as per Government of India / State Government.
3. All running bills (if any) as well as final bills submitted in approved proforma shall be submitted to the Architect by the contractor in quadruplicate for certification. All the bill copies shall be accompanied by measurement sheets and quantity calculation in support of the quantities contained in the bill with soft & hardcopies.
4. All the works in progress will be jointly measured by the representative of NIA and the contractor progressively. Such measurements will be recorded in the measurement book by the NIA / Architect or his authorities representative and signed in token of acceptance by the contractor or his authorized representative.
5. All items having a financial value shall be entered in the measurement books, level book etc. prescribed by NIA that complete record is obtained of all work performed under the contract.
6. For the purpose of taking joint measurements the contractor's representative shall be bound to be present whenever required by the Architect. If, however, he is absent for any reason whatsoever the measurements will be taken by the NIA / Architect or his representative and these will be deemed to be correct and binding on the contractor.
7. The contractor shall without extra charges provide assistance with every appliance, labour and other things necessary for measurement of work.

G. METHODS OF MEASUREMENTS:

1. Except where any general or detailed description of work in quantities expressly shows to the contrary schedule of quantities shall be deemed to have been prepared and measurements shall be taken in accordance with the procedure laid forth in specifications notwithstanding any provisions in the relevant standard method of measurement or any general or local custom. In the case of items which are not covered by the specifications, measurements shall be taken in accordance with the relevant and latest standard method of measurement issued by the Bureau of Indian Standards. (All Measurements will be noted as per actual without any rounding off)

H. DEFECT LIABILITY PERIOD (DLP)

1. The contractor shall **guarantee the installation/work for a period of 12 months from the date of issue of completion certificate**. Any damage or defect that may arise or lie undiscovered at the time of issue of completion certificate, connected in any way with the equipment or materials supplied by him or in the workmanship shall be rectified or replaced by the contractor at his own expense as deemed necessary by NIA or in default, NIA may cause the same to be made good by other workmen and deduct expenses (of which the certificate of NIA shall be final) from any sums that may be the or at any time thereafter, become due to the contractor or from his security deposit, or the proceeds of sale thereof, or of a sufficient portion thereof.
2. At the end of the defects liability period the contractor shall submit a written application for release of retention money. NIA shall release the money only after ensuring that all the defects pointed out by NIA/Architect till completion of DLP have been rectified by the contractor satisfactorily.
3. Any amount found due from the contractor to NIA from time to time will be recovered currently from the running bills. Similarly if, at any time, should there evidence of any lien or claim for which NIA might have become liable and which is chargeable to the contractor, NIA shall have the right to retain out of any payment then due or thereafter to become due an amount sufficient to completely indemnify NIA against such lien or claim and if such lien or claim remain unsettled after all payments are made, the contractor shall refund or pay to the owner all money that the latter may be compelled to pay in is charging such lien or claim including all costs reasonable expenses.
4. The contractor will be fully responsible for rectifying any defects brought to his notice by NIA / project Architect in writing **within seven days of receipt of the intimation**. In case the contractor fails to attend to defects as stipulated therein, NIA reserves the right to complete the rectification through another agency of its choice and recover the cost of such repairs from the contractors dues against running bills/ final bill / retention money for this or any other job.

I. SECURITY DEPOSIT

1. On acceptance of the tender, *the successful tenderer shall, within the time stipulated in the letter of intent, deposit with the Employer by Demand Draft, a security deposit of 1% (one percent) of the value of the contract,* before he is allowed to execute the contract and commence work.
2. Failure to deposit this additional amount, within the stipulated time which shall include any extension granted by the Employer at its discretion, will make the earnest money deposited by the tenderer liable to forfeiture and the acceptance of his tender shall be considered as withdrawn.

J. LIABILITY FOR DAMAGE, DEFECTS AND RECTIFICATION THEREOF

1. If the Contractor or his workmen or employee shall injure or destroy any part of the building in which they may be working or any building road, fence etc., contiguous to the premises on which the work or any part of it is being executed or if any damage shall happen to the work while in progress, the contractor shall upon receipt of a notice in writing in the behalf make the same good at his own expenses. If it shall appear to the NIA / Architect or his representative at any time during the construction or re-construction or prior to expiration of defects liability period that any work has been executed with unsound, imperfect or unskilled workmanship or that any materials or articles provided by the contractor for execution of the work are unsound or of a quality inferior to that contract for, or otherwise not in accordance with the contract or that any defect, shrinkage or other faults have appeared in the work arising out of defective or improper materials or workmanship, the contractor shall upon receipt of a notice in writing in that behalf from the Architect / NIA forthwith rectify or remove or reconstruct the work so specified in whole or in part as the case may require or as the case may be and / or remove the materials or articles so specified and provide other proper and suitable material or article.
2. At his own expenses, notwithstanding that the same may have been inadvertently passed, certified and paid for and in the event of his failing to do so within the period to specified by the NIA / Architect may rectify or remove and re execute the work and / or remove and replace with other, materials or articles complained of, as the case may be by either means at the risk and expense of the Contractor.
3. In case of repairs and maintenance works, splashes and droppings from white washing, painting etc., shall be removed and surface cleared simultaneously with completing of these items of work in individual rooms, quarters or premises etc., where the work is done without waiting for completion of all other items of work in the contract. In case the contractor fails to comply with the requirement of this condition the Architect / NIA shall have the right to get the work done by other means at the cost of the Contractor. Before taking such action, however, the NIA / Architect (authorized official) shall give three days' notice in writing to the contractor.

K. OVER PAYMENTS AND UNDER PAYMENTS:

1. Wherever any claim for the payment of a sum of money to NIA out of or under this contract against the Contractor the same may be deducted by NIA from retention money / Security deposit or any sum then due or which at any time thereafter may become due to the contractor under this contract and failing that under any other contract with NIA or from any other sums due to the contractor from NIA which may be available with NIA he shall pay within ten days the claim in cash / Demand Draft on demand.
2. NIA reserves the right to carry out post payment audit and technical examinations of the

Running / final bill including all supporting vouchers, abstracts etc. NIA further reserves the right to enforce recovery of any overpayments when detected, notwithstanding the fact that the amount of the final bill may be included by one of the parties as items of disputes before an arbitrator appointed under condition of this contract and notwithstanding the fact that the amount of the final bill figures in the arbitration award.

3. If as a result of such audit and / or technical examinations any overpayments is discovered in respect of any work done by the contractor or alleged to have been done by him under the contract it shall be recovered by NIA from the Contractor by any of all methods or made of recovery as prescribed above or if any under payment is discovered, the amount shall be duly paid to the contractor by NIA.

L. COMPLETION PERIOD AND COMPENSATION CLAUSE

1. The Contractor shall commence work within 7 days from the date of receipt of letter of intent / email from NIA confirming that the purchase order is being awarded to him. The formal purchase order will be typed and mailed in due course after the letter of intent. Completion period for the entire work contained in the tender and such of the extra items, if any, which form an integral part of the contract, contained in the tender is **120 days** from the date of commencement of work at site as specified in above. The time limit specified herein will be strictly adhered to and will form the essence of the Contract. 1% of total contract value per week up to two maximum of 5%, there after the owner may get the work done at contractor's risk and cost.
2. The successful contractor will be required **to submit PERT / CPM analysis** of the entire work within 10 days of issuing the LOI showing completion period as **120 days**. Progress of the work shall be checked with the PERT / CPM analysis at various stages of completion. NIA shall have the right to terminate the contract ex-parte if progress of the work is found to be unsatisfactory and there are no efforts from the contractor's side to make up for the delays if any.

M. COMPLETION CERTIFICATE

1. The work shall be considered "Virtually Complete" only after the Contractor submits to Architect / NIA the following documents obtained by him through his licensed plumber / Licensed electricians.
 - i. As soon as the work is completed the contractor shall give notice of such completion to Architect / NIA and within thirty day of receipt of such notice, Architect /NIA shall inspect the work and shall furnish the contractor with a certificate of completion indicating.
 1. The date of completion.
 2. Defects to be rectified by the Contractor and /or.
 3. Items for which payment shall be made at reduced rates.

2. When the separate periods of completion have been specified for items or groups of items, Architect / NIA shall issue separate completion certificate for such item or group of items. No certificate of completion shall be issued, nor shall the work considered to be complete till the contractor shall have removed from the Employers premises on which the work has been executed all scaffolding, sheds, temporary structures and surplus materials except such as are required for rectification of defects, removal all huts and sanitary arrangements required for his workmen on the site in connection with the execution of work as such have been erected by the Contractor or the workmen and clear all dirt from all parts of the building (s) in upon or about which the work has been executed thereof and clean floor, all gutters and drains, ease doors and shutters, oil locks and fastenings, labeled keys clearly and handed them over to the NIA or his representative and made the whole premises fit for immediate occupations or use to the satisfaction of the NIA.
3. If the contractor shall fail to comply with of the requirements of these conditions as aforesaid on or before the date of completion of the works, NIA may at the expense of contractor arrange to remove scaffoldings, surplus materials and rubbish etc., as he thinks fit and the contractor shall have no claims in respect of any such scaffolding or surplus materials except for any sum actually realized by the sale there of less the cost of fulfilling to requirements any other amount that may be due from the contractor. If the expense of fulfilling such requirements is more than the amount realized on such disposal as aforesaid the contractor shall forthwith on demand pay such excess.
4. The whole of the work including all extra and additional items if any and when ordered are to be completed in the time stated in the contract and the contractor will be required if necessary to work overtime to stick to NIA requirements to complete all the works by the stipulated date. No extra claim for extension of completion period will be allowed on account of this factor.
5. The completion period of the entire work as stated above shall be deemed to be the essence of the contract. In case of delay in completing the work beyond the specified completion date the contractor will be required to pay a penalty at the rate of 0.5% of the total contract value per week subject to maximum of 5% of the actual cost of the project, there after the owner may get the work done at contractor's risk. The penalty will be recovered either from the contractor's bills or from the Security Deposit / Retention Money.
6. In case of delay of over 5 weeks in completion of the work beyond a stipulated completion date, NIA reserves the right to terminate the contract and get all the jobs completed through another agency of its choice. Any extra expenditure that NIA will have to incur for completion of the balance jobs through another agency on account of higher rates quoted by the agency will be recovered from the contractor's Security Deposit, Retention Money and pending bills.

N. Extension of completion period

If the work is delayed by

1. Force Majeure
2. Serious loss or damage by fire or
3. Civil commotions, local combinations of workmen, strikes or lockout affecting any of the trades employed on the work, or
4. Delay on the part of other contractors or tradesman engaged by NIA in executing work not forming part of contract.
5. Non – availability of stores, which are the responsibility of NIA to supply.
6. Non-availability or breakdown of tools and plant to be supplied or supplied by NIA,

request for extension of time to be eligible for considerations, shall be made by the contractor in writing within fourteen days of the happening of the event causing delay. The contractor may also if practicable, indicate in such a request the period for which extension is desired. In any such case NIA may give a fair and reasonable extension of time for completion of work. Such extension shall be communicated to the Contractor by NIA in writing within one month of, the date of receipt of such request by NIA.

SITE FACILITIES

A. SETTING OUT OF WORK :

1. The NIA / Project Architect shall supply dimensioned drawings levels and other information necessary to enable the Contractor to set out the works. The Contractor shall provide all setting out apparatus required and set out the works and be responsible for the accuracy of the same. He shall amend at his own cost and to the satisfaction of the NIA / Project Architect any error found at any stage which may arise thought inaccurate setting out unless such error(s) is / are based on incorrect data furnished in writing by NIA / Project Architect in which case the cost shall be on the account of NIA. The Contractor shall protect and preserve all bench marks liability period unless the NIA / Architect directs their removal.

B. SITE DRAINAGE:

1. All water which may accumulate on the site during the progress of works or in trenches and excavations from other than the expected risks shall be removed from the site to the satisfaction of the NIA / Architect at the Contractor's expenses.

C. NUISANCE

1. The contractor shall not at any time do cause or permit any nuisance on the site or do anything which shall cause unnecessary disturbance or inconvenience to others at or near the site of work

2. The contractor shall all times give access to the staff of statutory bodies as well as other agencies associated with the project and shall provide them all facilities like scaffolding, water, lighting etc. at site for discharging their duties.
 3. No residential accommodation provided to the workmen/labor at the site. NIA reserve the right for the same
 4. The Contractor shall provide at his cost all temporary lighting arrangement required for the works and to enable contractors and sub-contractors to complete the works in the specified time including that for the workmen of any sub – contractors or special tradesmen.
 5. NIA may provide **Electricity power on non-chargeable basis** for the works mentioned in the tender at one point. The necessary all electrification, wiring, lighting arrangement (including separate meter installation) shall be made available by the contractor and for which contractor shall not be paid any charges for the same. Misuse of electricity power shall be charged as 0.1% of contract value.
- D. WATCHING AND LIGHTING:** The contractor shall provide and maintain at his own expense all lights, guards, fencing and watching when and wherever necessary or required by the NIA / Project Architect for the protection of the works or for the safety and convenience of those employed on the works or the public.

E. EQUIPMENT & STAFF ASSISTANCE FROM THE CONTRACTOR

1. Theodolite, levels, plumb bobs, prismatic compass, chain, steel and metallic tapes and all other surveying instruments found necessary on the works shall be provided by the Contractor for the due performance of their contract as instructed by NIA. The NIA /Architect will use any or all measurement instruments or tools belonging to the Contractor as and when he chooses for checking the complete works as well as the work in progress.
2. All scaffolding and ladders that may be necessary for taking measurement at site will be provided by the Contractor.
3. The Contractor shall provide the following minimum equipment and machinery in good working condition at site during the entire period of construction/renovation as and when required.
4. The Contractor shall follow the rules and timings setup by the NCL Bandra Premises CO-OP Society Ltd for the project work. The details will be discussed during the pre-bid meeting. And the bidder has to deposit an amount of INR 25,000 in the name of the NCL Bandra Premises Co-Op Society Ltd as a security towards any damages caused whilst work is carried out.
5. Colour Scheme to be followed (Laminates):

MAKE/COLOR	SUNMICA	CENTURY	ROYAL TOUCH
White Laminate	G311/1131 MYSTIC WHITE	101 MT	CM 250 SUPER WHITE
Blue Laminate	G568/1568 ELECTRIC BLUE	245	CF-216 ELECTRIC BLUE

EXECUTION

A. ADMISSION TO SITE :

1. The Contractor shall not be permitted to enter on (other than for inspection purposes) or take possession of site until instructed to do so by the Architect / NIA in writing. The portions of the site to be occupied by the Contractor shall be defined and / or marked on the site plan failing which these shall be indicated by the NIA / Architect at site and the operations beyond the areas. In respect of any land permitted by NIA for the use of the Contractor for the purpose of or in connection with the contract. The same shall be subject to the following and such other terms and conditions as may be imposed by NIA.
2. The such use or occupations shall not confer any right of tenancy of the land to the contractor.
3. The Contractor shall have no right to put up any constructions of his own of any nature or type on NIA land except temporary constructions for storage of equipment for the work under the contract or as a resting place for labourers employed by him for the work provided that he obtained the requisite previous permission in writing from NIA or from the Architect in accordance with NIA procedure which permission they would be entitled to refuse in their absolute discretion. Such construction will be erected at the contractor's own cost.
4. If any electricity is used in any of such constructions the Contractor shall himself pay for the same. The Contractor shall at his own cost demolish all such constructions and remove the debris thereof, as also all his materials and equipment's and clean and level the site thereof before handing over the completed work to NIA.
5. The Contractor shall provide if necessary or if required on the site all temporary access thereof and shall alter adapt and maintain the same as required from time to time and shall take up and clear them away as and when no longer required and as and when ordered by the NIA / Architect and made good all damages done to the site. The Contractor shall note that the final bill will not be certified for the payment till the action as above is completed by the Contractor to the entire satisfaction of the NIA / Architect (Authorised official)
6. All the work shall be carried out as per detailed drawings and instructions of the Architect / NIA (Authorised official)
7. All drawings, tracings, photo prints and writings (except letter) shall be the sole property of Architect / NIA and must be returned to them on completion of the works.
8. The drawings maintained on the site are to be carefully mounted on boards of appropriate size and covered with a coat of approved varnish. They are to be protected for ravages of termites, ants, silver fish and other insects.
9. The completion of the work may entail working in the monsoon also.
10. The contractor must maintain a minimum labour force as may be required for the job and plan and execute the construction and erection according to the prescribed schedule. No extra rate will be considered for such work in monsoon.
11. During the execution of the work, Contractor must check his work with the drawings. The

Contractor shall be responsible for all the errors in this connection and shall have to rectify all defects and / or error at his own cost, failing which NIA reserves the right to get the same rectified at the risk and cost of the Contractor.

B. MATERIAL TO BE PROVIDED BY THE CONTRACTOR.

1. The Contractor shall at his own expense and without delay supply to the NIA / Project Architect, samples of materials proposed to be used in the work. The NIA / Project Architect shall within 15 days of supply of samples or within such period as he may require intimate to the Contractor in writing and inform the Contractor whether samples are approved by him or not. If the samples are not approved, the Contractor shall forthwith arrange to supply to the NIA / Project Architect for his approval fresh samples complying with the specification laid down in the contract. A set of all approved samples shall be maintained at site under lock&key by the Architect / NIA.
2. Architect / NIA shall have full power to require removal of any or all the materials brought to the site by the Contractor which are not in accordance with the contract specifications or do not confirm in character or quality to sample approved by him. In case of default on the part of the Contractor in removing rejected materials, the Architect / NIA shall be at liberty to have them removed by other means. The Architect / NIA shall have full power to procure other proper materials and in the event of the Contractor refusing to comply, he may cause the same to be supplied by other resources. All costs which may attend upon / incurred upon such removal and / or substitution shall be borne by the Contractor.
3. The Contractor shall indemnify NIA or any employee of NIA against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent design rights and shall pay any royalties or other charges which may be payable in respect of any articles or materials or part thereof included in the contract. In the event of any claim being made or action being brought against NIA or any agent, servant or employees of NIA in respect of any such matters as aforesaid the Contractor shall immediately be notified thereof.
4. NIA / Project Architect shall be entitled to have **tests carried out as specified in the contract for any materials supplied by the Contractor**, other than those for which as stated above, satisfactory proof has already been furnished, at the cost of the Contractor and the Contractor shall provide at his expense all facilities which the NIA / Project Architect require for the purpose. IF no tests are specified in the contract and such tests are required for the purpose and the charges for these tests shall be borne by the Contractor only. The cost of materials consumed in the test shall be borne by the Contractor in all cases except when otherwise provided.
5. Representative of NIA connected with the contract, shall be entitled at any time to inspect and examine any materials intended to be used in or on the work, either on the site or at factory

or workshop or at other place (s) manufactured or at any places where these are laying or from which these are being obtained and the Contractor shall give such facilities as may be required for such inspection and examination.

6. Trees designated by the NIA / Project Architect shall be protected from damages during the course of the works and earth level within 1 metre of each such tree shall not be damaged, when necessary such trees shall be protected by providing temporary fencing.

C. LABOUR

1. The Contractor shall employ labour in sufficient number either directly or through sub – contractors when such subletting is permitted to maintain the required rate of progress and of quality to ensure workmanship of the degree specified in the contract and to the satisfaction of the NIA / Architect. The Contractor shall not employ in connection with the works any person who has not completed his Eighteenth year of age.
2. In case of any class of work for which there is no such specification supplied by NIA as is mentioned in the tender documents, such work shall be carried out in accordance with Indian Standard Specifications and if the Indian Standard Specifications do not cover the same the work should be carried out as per standard Engineering practice subject to the approval of the Architect /NIA.
3. The contractor shall on the written request of NIA / Architect immediately dismiss from the works any person employed by him therein who may in the opinion of NIA be incompetent or misconduct himself and such person shall not again be employed on the works without the written permission of NIA/Architect(authorized official)
4. The Contractor or his agent shall be in **attendance at the site (s)** during all working hours and shall supervise / superintend the executions of works with such additional assistance in each trade as the NIA / Architect may consider necessary. Order given to the Contractor agent shall be considered to have the same force as if they have been given to the Contractor himself.
5. Architect / NIA shall communicate or confirm his instructions to the Contractor in respect of the executions of work in a “**work site order book**” maintained in the office authorised representative shall confirm receipt of such instructions by signing the relevant entries in the book.
6. Any instructions issued by the Architect / NIA orally, shall be of no immediate effect but shall be confirmed in writing by the Contractor to the site NIA / Architect within seven days and if not dissented from in writing by the Architect / NIA to the Contractor within 7 days from receipt contractor’s confirmation shall take effect as from the expirationofthelettersaid7daysofgivingsuchoralinstructionsshall himself confirm the same in writing, then the Contractor shall not be obliged to confirm as aforesaid and the said instruction shall take effect as from the date of NIA / Architect confirmation and provided that

if neither the Contractor nor the Architect / NIA shall confirm such oral instructions in the manner and at the time aforesaid but the Contractor shall nevertheless comply with the same then the Architect / NIA may confirm the same in writing at any time prior to the issue of the Final certificate and the said instructions shall thereupon be deemed to have taken effect on the date on which it was issued.

7. The Contractor shall provide and do everything necessary for the proper execution of the works according to the true intent and meaning of the drawings and specifications taken together, whether the same may or may not be particularly shown on the drawings, or described in the Schedule of Quantities, provided that the same can be reasonably inferred therein from. Figured dimensions and all dimensions and particulars to be taken from the actual work.
8. The whole of the work must be proceed with such sections and at such times as directed by NIA
9. Architect / NIA (authorised official) may from time to time issue further drawings or written instructions which are hereafter collectively referred to as 'Architect's Instructions' in regard to:
 - i. The variation or modification of the design, quality or quantity of works or the addition or omission or substitution of any work.
 - ii. Any discrepancy in the drawings or between the schedule of quantities and / or drawings and / or specifications.
 - iii. The removal from the site of any materials brought thereon by the contractor and the substitution of any material therefor.
 - iv. The removal or re-execution or both of any works executed by the Contractor.
 - v. The dismissal from the works of any persons employed thereupon.
 - vi. The opening up for inspection of any work covered up.
 - vii. The amending and making good of any defects of works improperly carried out.
10. The contractor shall forthwith comply with and execute any work comprised in such Architect's Instructions. Any instructions given verbally shall be deemed as instructions for the proper execution of the works as long as they do not involve any extra charges.
11. If the Contractor after receipt of written notice form the Architect / NIA requiring compliance within seven days fails to comply with such drawings or Architect instructions or both as the NIA / Architect may issue, NIA may employ and pay other persons to execute any such drawings or Architect instructions and all cost incurred in connection therewith as certified by the Architect shall be borne by the Contractor or may be deducted from any amount due or that may become due to the contractor under the contract or may be recovered as a debt.

D. INSPECTIONS AND APPROVALS:

1. All works embracing more than one process shall be subject to examinations and approval at each stage thereof and the Contractor shall give due notice to the NIA / Project Architect shall be entitled to appraise the quality and extended thereof.
2. No work shall be covered up or put out of view and without approval of Architect NIA or his authorized representative and the Contractor shall afford full opportunity for examination and measurement of any work which is about to be covered up or put out of view and for examination or foundations before permanent work is placed thereon. The Contractor shall give due notice to the NIA / Project Architect or his authorised representative wherever any such work or foundation is ready for examination and the NIA / Project Architect or his representative shall without unreasonable delay unless he considers it unnecessary and advises the Contractor accordingly attend for the purpose of examination and measuring such work or of examining such foundation he shall, if required by the NIA / Project Architect uncover such work at the Contractor's expenses.
3. Duties and powers of NIA / Project Architect and his authorised representative and other officers of NIA. The duties of the representative of the NIA / Project Architect are to watch and supervise the progress of works and to test and examine any materials to be used or workmanship employed in connection with the works. They shall have no authority to order any work involving any extra payment by NIA or to make any variations in the works except when authorised by the NIA. The NIA / Architect may from time to time in writing delegate to his representative any of the powers and authorities vested in him and shall furnishes to the contractor a copy of all such written delegation of powers and authorities. Any written instructions of written approval given by the representative of NIA / Architect to the Contractor within terms of such delegations shall bind the Contractor and NIA as though it had been given by the NIA / Architect.
4. Failure of the representative of Architect to disapprove any work or materials shall not prejudice the power of the NIA / Architect thereafter to disapprove such work or material and to order pulling down removal or breaking up there of.
5. If the Contractor shall be dissatisfied with any decisions of the representative of the Architect / NIA he shall be entitled to refer the matter to the Architect / NIA who shall thereupon confirm, reverse or vary such decisions.
6. The whole of the materials (except where otherwise described), stores and equipment required for the faithful performance of the contract must be provided through normal trade

channel, and must be the best of their kind available at the time and the Contractor must be responsible for the proper and efficient carrying out of the work. The work must be done in best and most workmanlike manner. Samples of all materials to be used must be submitted to the Architect / NIA on the site for approval prior to procurement. The Contractor shall furnish to the Architect / NIA for approval when requested or if required by the specifications, adequate samples of all materials and finished to be used in the work. Such samples shall be submitted before the work is commenced and in ample time to permit tests and examinations thereof. All materials finished and applied in actual work shall be fully equal to the approved samples.

7. During inclement weather the Contractor shall suspend concreting and plastering for such time as the Architect / NIA may direct and shall protect from injury all works in the course of erection.
8. Should the work be suspended by reason of rain, strike, lockouts or other cause the Contractor shall take all precautions necessary for the protection of the work and at his own expense shall make good any damages arising from any of these causes.
9. The Contractor shall keep accurate records of weather, temperature, visitors and any other occurrences affecting the progress or quality of the works.
10. All shavings, cuttings and other rubbish as it accumulates from time to time during the progress of the works and at completion including that of sub – Contractor and specific tradesman to be cleared and carted away and all materials condemned by the Architect / NIA shall be removed from site as and when required during the entire duration of the work at no extra cost.
11. The Contractor shall protect all projecting cills and mouldings and all concrete steps from injury during the progress of the work by rough timber casings securely fixed.
12. The Contractor shall provide all necessary templates, moulds for circular or shaped work, carpenters or joiners work or any other trade.
13. The Contractor shall protect joinery and make good all damages to the same from any cause whatsoever during the performance of the contract and leave perfect to the satisfaction of the Architect / NIA at the time of completion. Before giving up possession, the contractor must see that all doors sashes etc. work easily and shall make all necessary adjustments.
14. The Contractor shall provide suitable stone with flat tops and build the same in concrete for temporary bench marks. All the pegs for setting out the work and fixing the necessary levels required for the execution thereof shall if desired by the Architect / NIA likewise be built in

masonry at such places and in such manner as NIA may determine.

15. Particular care must be taken to see that the floors are not overloaded by stacks of materials during construction. It is important that no load comes on the reinforced concrete floors until they are at least 3 weeks old and at no time must the load placed upon them exceed the load for which they are designed
16. The Contractor has to provide all necessary holes, slits and depression etc. in form work and concrete to place pipelines or ancillary services in any form as shown in the drawings or as directed by NIA
17. The Contractor shall cover up and protect from injury from any cause all new work also for supplying all temporary doors, protection to windows and any other requisite protection for the whole of the works executed whether by himself or specified tradesmen or sub contractors and any damage caused must be made good by the contractors at his own expenses.
18. The Contractor shall provided temporary teakwood barricading upto 4' 0" height from the floor level to all lift walls and / or shafts opening on all floors to safeguard against any accidental fall and maintain them till such time as permanent enclosures are installed. No extra payment will be allowed on the contract sum for complying with this clause.

E. STATUTORY

1. The contractor shall conform to the provisions of any regulations and by – laws of any water or lighting companies with whose system the structures are proposed to be connected and shall before making any variations from the drawings that may be necessitated by so conforming give to the Architect / NIA on site written notice specifying the variations proposed to be made and the reason for making to and apply for instructions thereon. In case the contractor shall in due course receive instructions, he shall proceed with the work, conforming to the provision regulations or by-laws to the supply companies and shall provide for and pay all fees and charges.
2. The contractor will be fully responsible for complying with all relevant provisions of the Contractor Labour Act and shall pay rates of Wages and observe hours of work/ conditions of employment according to the rules in force from time to time.
3. The contractor shall comply with provisions of payment as per the following acts : Payment of

wages Act,1936, Workmen's Compensation Act,1923 Industrial Dispute Act, 1947Minimum Wages Act, 1948 Employees State Insurance Act, 1948 Maternity Benefit Act, 1961, Mines Act, 1952 or

4. Any amendments / modifications thereof or any other law relating thereto and rules made there under from time to time. NIA / Architect shall on a report having being made by an inspecting office as defined in the contract labour regulations have the power to deduct from the money due to the Contractor any sum required or estimated to be required for making good the loss suffered by a worker (s) by reasons of no – fulfillment of conditions of contract for the benefit of workers no – payment of wages or of deductions made from his or their wages which are not justified by the terms of contract or non observance of the said contractor's labour Regulation.
5. The contractor shall pay to labour employed by him, and in the case of his giving any part of the work on sub – contract he shall ensure and be responsible to see that the sub – contractor pays to labour employed by such contractor, wages not less than wage or remuneration as provided in the contract labour (Regulations and Abolition Act) and in the Rules, Regulations and orders.
6. The Contractor shall indemnify the NIA against any payments to be made under and for observance of the Regulations aforesaid without prejudice to his rights to claim indemnity from his sub - contractor.

F. SAFETY CODE:

1. The Contractor shall at his own expenses arrange for the Safety provisions as amended to these conditions or as required by the NIA / Architect in respect of all labours directly or indirectly employed for performance of the works and shall provide all facilities in connections therewith. In case the contractor fails to make arrangements and provide necessary facilities as aforesaid, the NIA / Architect shall be entitled to do so and recover the cost thereof from the Contractor. Safety precaution to be taken in all respects (till completion of works) including for all concern human being. The contractor shall be responsible for any damage or loss of part / limb or death human being.
2. From the commencement to the completion of the works, the contractor shall take full

responsibility for the care thereof and of all the temporary works (defined as meaning all temporary works of every kind required in or for the execution, completion or maintenance of the works). In case damage, loss or injury shall happen to the works or to any part thereof or to temporary works or to any cause whatsoever (save except the Expected Risks as defined in) repair at his (Contractor's) own cost and make good the same so that at the time of completion, the works shall be in good order and condition and in conformity in every respect with the requirements of the contract and NIA instructions. In the event of any such damage, loss or injury happening from any of the Expected Risks the contractor shall if any to the extent required by NIA repair and make good the same as aforesaid at the cost of NIA.

G. INSURANCES

1. The Insurance for the following will be covered and paid for by the contractor, and contractor shall indemnify the NIA and hold the NIA harmless in respect of all and any expenses arising from any such injury and / or damages in respect of :
 - a. Workmen's Compensation and Risk of Accidents to contractor's own employees.
 - b. Contractors all risk Insurance to cover the total cost of project with third party coverage.
2. The contractor has to insured building/site under construction/renovation till completion and it should be place to be employer in the name of the NIA. Contractor shall submit the copy of policy details within 15 days of receipt of LOI/Work order.
3. If the contractor and / or his sub contractor fails to effect and keep in force the Insurance referred to above or else where in the contract or any other insurance which he may be required to effect and keep in force, NIA reserves the right to keep in force and such insurances and pay such premium or premia as may be necessary for the purpose and from time to time deduct the amount so paid by NIA as aforesaid from any moneys due or which becomes due to the contractor or recover the same as a debt from the contractor.
4. The aforesaid insurance policy / policies shall not be cancelled till the Architect / NIA has agreed to their cancellation.
5. The Contractor shall prove to the Architect / NIA from time to time that he has taken out all insurance policies referred to above and has paid the necessary premium for keeping the policies alive till the expiry of the defects liability period.

6. The contractor shall ensure that similar insurance policies are taken out by his sub– contractor (if any) and shall be responsible for any claims of losses to NIA resulting from their failure to obtain adequate insurance protections in connection thereof. The contractor shall produce or cause to be produced by his sub – contractor (if – any) as the case may be, the relevant policy or policies and premium receipts as and when required by the Architect /NIA.

H. NOTICE TO LOCAL BODIES.

1. The contractor shall comply with and give all notices required under any Government authority, instrument, rule or order made under any act of parliament, state laws or any regulations or by-laws of any local authority relating to the works. He shall before making any variations from the contract drawings necessitated by such compliance give to the NIA / Architect a written notice giving reasons for the proposed variations and obtain the Architect instruction therein.

I. ARBITRATION

1. All disputes or differences of any kind whatsoever which shall at any time arise the parties hereto touching them or concerning the work or execution or maintenance thereof this Contract or the construction operation or effect thereof or to the rights or liabilities of the parties or arising out of or in relation thereto whether during or after determination, foreclosure or breach of this contract (other than those in respect of which the decision of any person is by the contract expressed to be final and binding) shall after written notice by either party to the contract or the other of them and to the Appointing Authority who shall be appointed for this purpose by the Employer, be referred for adjudication to a sole arbitrator to be appointed as here in after provided.
2. For the purpose of appointing the sole Arbitrator referred to above, the Appointing Authority will send within thirty days of receipt by him of the written notice aforesaid to the Contractor, a panel of the three names of persons who shall be presently unconnected with the organization for which the work is executed.
3. The Contractor shall on receipt by him of the names as aforesaid, select any one of the persons

named to be appointed as a sole Arbitrator and communicate his name to the Appointing Authority within thirty days of receipt by his the names. The Appointing Authority shall thereupon without any delay appoint the said person as the sole Arbitrator, if the Contractor fails to communicate such selections as provided above within the period specified, the appointing authority shall made the selection and appoint the selected person as the sole Arbitrator.

4. If the appointing Authority fails to send the Contractor the panel of three names as aforesaid within the period specified, the Contractor shall send the Appointing Authority a panel of three names of persons who shall be unconnected with either party. The Appointing Authority shall on receipt by him of the names as aforesaid select any one of the persons named and appoint him as a sole Arbitrator. If the Appointing Authority fails to select the person and appoint him as the sole Arbitrator within 30 days of receipt by him of the panel and inform the Contractor accordingly, the Contractor shall be entitled to appoint one of the person from the panel as a sole arbitrator and communicate his name to the Appointing Authority.
5. If the Arbitrator so appointed is unable or unwilling to act or resign his appointment or vacate his office due to any reason whatsoever another sole arbitrator shall be appointed as aforesaid.
6. The work under the Contract shall, however continue during the Arbitration proceeding and no payment due or payable to the Contractor shall be withheld notice on account of such proceedings.
7. The Arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties fixing the date of the first hearing.
8. The Arbitrator may from time to time, with the consent of the parties, enlarge the time for making and publishing the Award.
9. The Arbitrator shall give a separate award in respect of each dispute in accordance with the terms of the Contract and give a reasonable award.
10. It is also a term of the Contract that if Contractor (s) do/does not make any demand for arbitration in respect from the Clients / Architects that the bill after due verification is passed for payment of a lesser amount, or otherwise, the arbitration shall be deemed to have been

forfeited and Client / Architects shall be relieved and discharged of their liability under this agreement in respect of such claim(s). Further, it is agreed that for the purpose of this clause such notice is deemed to have been received by the Contractor(s) within 2 days of posting of the letter by Clients / Architects or when delivered by hand immediately after receipt thereof by the Contractor(s), whichever is earlier. Further, a letter signed by the officials of Clients / Architects that the letter was so posted to the Contractor(s) shall be conclusive.

11. The Fees, if any of the Arbitrator shall, if required be paid before the award, be paid half and half by each of the parties. The costs of the reference and of the award including the fees, if any of the Arbitrator who may direct to and by whom and in what manner, such costs or any part thereof shall be paid and may fix or settle the amount of costs to be so paid.
12. The award of the Arbitrator shall be final and binding on both the parties.
13. Subject to a fore said, the provisions of the Arbitration and Conciliation Act 1996, or any statutory modification of re- enactment there of and the rules made there under, and for the time being in force, shall apply to the Arbitration proceeding under this Clause.

J. SPECIAL CONDITIONS OF CONTRACT

1. It shall be distinctly understood that notwithstanding the reviews and suggestion if any, by the NIA or Project Architect the sole and ultimate responsibility for the stability and performance of the form work and staging and all other temporary works shall be that of the Contractor.
2. The partners or Directors of the Contractor shall meet the officers of NIA or its consultants at the site of works or at their respective offices whenever requested to do so.
3. The Project Architect shall supply to the contractor reasonably complete engineering drawings. All **the drawings required for the complete execution** of the work shall be submitted by the Architect within 7 days of issue of work order. **Bar bending schedules and shop drawings** required for proper execution of work shall be prepared by the Contractor and submitted well in advance within 14 days of issue of work order to NIA and its Project Architect to permit scrutiny, corrections resubmissions and final approval without causing any delay in the construction/renovation work.
4. The Contractor shall confirm to the provisions of the Government Act relating to the work, and to the regulations and bye-laws of the local authorities. The contractor shall give all notices required by the said act, and obtain all required permission and license and pay all fees payable to such authorities in connection with constructing and maintaining temporary electric and water supply at site for the said project. All aspects of temporary works including their stability shall be the sole and ultimate responsibility of the Contractor.
5. NIA reserves the right to use the premises and any portion of site for execution of any work not included in this contract which NIA may desire to get executed by other agencies. The Contractor shall allow all reasonable facilities for the execution of such work but shall not be required to provide any plant or material for such work except by special arrangement with NIA in such a manner as not to impede the progress of the works included in this contract and the Contractor shall not be responsible for any damage or delay which may happen or be occasioned by such work.
 - i. In addition to previous stipulations, the Contractor shall be represented at site at all times during the tenure of the contract by responsible and qualified engineers

approved by NIA Such engineer shall form the Contractor's Project Management & Site Supervisory Team. They shall be in constant attendance upon all activities of the work. Contractors staff shall comprise of at least the following to be permanently on site for the entire duration of the project.

1. Engineer (Diploma holder with at least 7years' civil and interior works experience) – 1person.
 2. Jr. Engineer(Min. 5years' experience having Diploma Holder civil and interior works experience) – 1persons.
- ii. Cost of recovery against materials, utilities or services supplied or arranged for by NIA shall be made by deducting the respective amount from the running as well as final bills.
6. Although Schedule of Probable Quantities & Rates has been divided into various sub – section, the rates quoted for a particular item of work in one sub – section shall be made applicable to similar item of work in any other sub – section if that item is not listed in the Schedule of that other sub –section.
 7. This project is subjected to inspection by various audit / vigilance agencies of Government of India / NIA if any inspection of works is carried out by such agencies contractor shall extend his full co- operation to these agencies in examining records, works etc. on inspection by such agencies, any and in their inspection report, if it is pointed out that Contractor has not carried out work according to guideline laid down in this tender documents and also if any recoveries in some items is pointed out therein, same shall be recovered from contractor's R. A. Bills / Final Bill. The items under dispute shall not be paid in full till inspection agency gives their no objection report.
 8. This work being prestigious NIA, quality of materials & workmanship are expected from the contractor of very high standard.
 9. The successful tenderer is bound to carry out any item of work up to any deviation in quantities, for the completion of the job.
 10. The Electrical works is to be executed through licensee electrical contractor only.

11. Material testing report can be asked for by NIA. The contractor must cooperate with the employer (NIA) to make available such reports from the manufacturer of the material used in the tender with no extra cost.
12. NIA shall be the sole deciding authority on the brand and make of the materials to be used.

SCHEDULE – F

- | | | | |
|----|-----------------------------------|---|--|
| 1 | Earnest Money Deposit | : | Rs 1.5 lacs |
| 2 | Initial Security Deposit | : | 1% of the total tendered amount (for successful bidder) |
| 3 | Defects Liability Period (DLP) | : | 12 months from the date of issue of <u>virtual completion</u> certificate and handing over the completed work to owners |
| 4 | Period of commencement | : | 7 days from the date of letter of intent / work order |
| 5 | Duration of completion of work | : | 120 days |
| 6 | Liquidated damages at the rate | : | 0.5% of total contract value per week up of to maximum of 5% of the contract value, there after the owner may get the work done at contractor's risk and cost i.e. beyond delay of 5 weeks |
| 7 | Retention money | : | a) 10% retention money to be kept from every running bill
- to be released after completion of DLP

b) Security deposit to be released on expiry of the defects liability period after rectification in executed works. |
| 8 | Terms of rate | : | The rates shall be at site of work and Should be excluding of GST |
| 9 | Period of validity of tender | : | 120 days from opening of tender |
| 10 | Period for honouring interim bill | : | The interim bills if raised shall be paid within 15 days of receipt from the architect) |

11. Validity of rates after award of work : The rates shall be firm for period of 5 Months from the date of award of work or till final completion of work whichever is later. **“NO ESCALATION IN PRICES WILL BE ALLOWED”**
12. Minimum value of work of Interim bill : **50% of the work. Max 2 bills to be raised including Final Bill**
13. Upon it becoming reasonably apparent that the work is delayed, the contractor shall forthwith give written notice of the cause of the delay to the client and the Architect. Then the client and the Architect shall as soon as they are able to estimate the length of the delay beyond the date or time aforesaid, make in writing a fair and reasonable extension of time for completion of the work, provided always that the contractor shall use constantly his best endeavor to prevent delay and shall do all that may reasonably be required to the satisfaction of the client and the Architect to proceed with work.
14. **Damage for non-completion:** If the contractor fails to complete the works by the date specified in the conditions or within any extended time fixed, the contractor shall pay to NIA a sum calculated at the rate stated in the special conditions as agreed liquidated damages for the period during which the said work shall so remain or have remained incomplete. The client may deduct such damages from any money that is otherwise payable to the contractor, under this contract.
15. **Extra Items :** All authorised extra items where rates cannot be derived from tender the contractor shall submit rates, supported by rate analysis worked on the ‘actual cost basis’ plus 15% towards establishment charges, contractor’s overhead and profit & GST etc
16. **Deviation in Quantities:** There is no variation limit in tender quantity, for any variation in plus or minus, contractor is supposed to execute the same at quoted rates.
17. **Photographs :** The rate quoted shall include the cost of supplying colour photographs of 8” x 10” size including soft copy to employer after completion of work from various angle one set each to Employer and the architect separately in respect of each floor/dept as directed.

GENERAL SPECIFICATION

This specification are for the work to be executed items to be supplied and materials to be used in the works as shown and deafened on the drawings and described here in all under the supervision and to the satisfaction of the Architect

/Employer.

The workmanship is to be the best available and of a high standard. Use must be made of specialist tradesmen in all aspects of the works, and allowance must be made in the rates for doing so.

The materials and items to be provided by the contractor shall be the best of their respective kinds, approved by the architect in accordance with any samples which may be submitted for approval and generally in accordance with the specifications. Where materials or products are specified in this specification and or / bill of quantities by the name of the manufacture or the brand trade name or catalogue reference the contractor will be required to obtained the approval of the architect / employer before using a material or product other than the specified. The contractor shall produce all invoices, vouchers or receipted accounts for any materials if called upon to do so by the Architect. **Sample of all material** are to be submitted to the architect for his approval **within 10 days of issue of work order** before the contractor orders or delivers in bulk to the site. Also, the contractor will be required to submit specimen finishers of colors, fabrics etc, for the approval of the architect before proceeding with the works. Should it be necessary to prepare shop drawings, then four copies of such drawings shall be submitted for the approval of the architect who will retain ONE copies all at the contractors expenses.

TIMBER :

Timber generally is to be best of its kind, well and properly seasoned, of mature growth, free from worm holes large loose or dead notes or other defects and sawn die square and will not suffer warping, splitting or other defects through improper handling.

The hardwood is to be C.P. teak weighing not less then 45 lbs cubic foot with a moisture content tax.

Timber is to be out to the required sizes and length as soon as practicable after the works are begun and stored under cover so that the air will circulate freely around it. Journey is to be prepared, immediately after the placing of contract, framed up (but not bonded) and stored until required for fixing in position, when it is to be bonded and waged up. Any portion that warp or develop shakes or other defects are to be replaced before wedging up, the whole of the work is to be framed and finished in a proper and workman like manner in accordance with the detailed drawings and fitted with all necessary motaties straps, belts screws etc. running bonded joints are to be cross tongued with teak on guess and where over 1 – 1/28 thick double tongued. Joiner's work generally unless otherwise specified. Templates boxes and moulds shall be accurately set out and rigidly constructed so as to remain accurate during the time they are in use.

Grounds are to be clean shown, free large knots, splayed as required, plugged and fixed to walls etc. at 1'6" centers. Wood plugs are to be cut on the twist, patent wall plugs or plastic filling may be used in lieu of wood plugs with the approval of the Architect.

All unexposed surfaces of timber e.g. false ceilings, backings fillets backs of doors frames, cupboard framing, grounds etc. are to be treated with ONE coats of approved timber preservative like solignum, kirticite, term seal or cast oral or vacuum pressure impregnated with and approved water soluble timber preservative before fixing or bedding.

The quality of timber shall be checked and ensured by the Architect.

JOINTS

All joints will be standard, mortised and tenon, dovetail, dowe, cross halved, metered tongued and grooved and rebated, nailed or glued but joints, will not be permitted except in exceptional cases, ailed but joints will not be accepted. All joins shall be smeared with white lead.

Whenever solid wood is specified it shall be as per I.S.I. and of good quality. The type of wood shall be got approved before collecting the same on site. Fabrication of wooden members shall be started only after approval. It shall be free from large, loose, dead or cluster knots, flows, shakes, warps, bends or any other defect. It shall be uniform in substance and of straight fibers as far as possible. It shall free from rats, decay, harmful fungi and other dejects of its usefulness for the purpose for which it is required. The colour of wood shall be uniform as far as possible. The scantlings planks etc. shall be seen in straight lines and planes in the direction of grain and of uniform thickness.

FIRST CLASS TEAK WOOD:

First class teak wood shall have no individual hard and sound knots, more than 6 sq.cm. in size and the aggregate area of such knots shall not more than 1% area of piece. The timber shall be closed grained.

SECOND CLASS TEAK WOOD:

No individual hard and knot's shall be more than 15 sq.cm. in size and aggregate area of such knot's shall not exceed 2% of the area of piece.

GLASS:

All glass shall be of the best quality, free from specks, bubbles, smokes, veins, air holes, blisters and other defects. The kind of glass to be used shall be as mentioned in the item or specification or in the special provisions or as shown in detailed drawings. Thickness of glass panel shall be uniform. All glass to be approved manufacture complying with IS:3548-196 or as per approved quality and sample.

The compound for glazing to metal is to be special non hardening compound manufacture for the purpose and of 9 brand and quality approved the interior Designer.

In cutting glass, proper allowance shall be made for expansion. Each square of glazing to be in one whole sheet and after cutting the edges to be properly filled. On completion, clean all glass inside and out, replace all cracked scratched or broken panes and leace in good condition

to the satisfaction of the Architect.

Only etching is to be used on glass panels. No frosting shall be used.

MELAMINE FACED PARTICAL BOARD:

It should be three layered wood based particle board, such as Nova pan melamine faced pre-laminated on both sides. Particle board should be ISI 3087 FPTH (type II, 1965) marked on edges and should also confirm to German din standard Viz DIN 66761. It should impart good bending strength, modules of elasticity, internal bond strength and screw holding strength.

Melamine faced

surface should has resistant to crack at 100 and should pass cigarette burn test.

POLISH:

The wooden article to be polished shall be first prepared to smooth surface with 400 fit black water proof sand paper. All dents shall be filled with epoxy putty and to be finally finished with DUCO, N.C. clear lacquer to a silk smooth finish.

PLYWOOD:

Plywood for general purpose shall confirm I.S.I. 303-1975.

FASTENINGS AND HARDWARE:

- 1 THE fixtures and fastenings, that is, but hinges, teened strap hinges, sliding door stoppers, casement window fasteners, casement stays and ventilators catch shall be made of the metal as specified in the item or its specifications.
- 2 They shall be of iron, brass, aluminium, chromium plated iron, chromium plated brass copper oxidized iron copper oxidized brass or anodized aluminum as specified.
- 3 The fixtures shall be heavy type. The fixtures and fastenings shall be smooth finished and shall be such as will ensure case of operation.
- 4 The samples of fixtures and fastenings shall be got approved as regards quality and shape before providing them in position.
- 5 Brass and anodized aluminium fixtures and fastenings shall be bright finished.
- 6 Screws, nails, bolts, will be of brass or other non corrosive metal. In hardware, they will match the finish of the hardware Item.
- 7 Nails, in a finished surface shall be neatly punched and the hole filled with wood filler matching the finish. Screws, in a finished surface will be round head, raised head or sunk beneath the surfaces and the hole plugged with a wood plug with matching color and grain of the wood surface, unless especially detailed.

HARDWARE:

Hinges, locks, latches, door tracks etc. shall be as specified by the manufacture specified. In any variation of this quality of the substitute shall be equal to or better than the original specified, and samples should be submitted to the Architect for prior approval.

HARDWARE AND METALS:

The hardware throughout shall be of approved manufacture and supply well made and equal in every respect to the samples to be deposited with the Architect. The contractor any be required to produce and provided samples from many different sources before the Architect is able to make a decision and he should allow in his rates for so doing. Fittings generally shall have a satin chrome or anodized finish unless otherwise specified, and shall be suitable for their intended purposes.

Screws are to match the finish of the article to be fixed and to be rounded of flat headed or counter sunk as required. Cover up and protect at the brass and bronze surfaces with a thick grease or other suitable protective material, renew as necessary and subsequently clean off and clear away on completion.

Aluminium and stainless steel shall be of approved manufacture and suitable for its particular application. Generally the surfaces of aluminium shall have an anodized finish and both shall comply with the samples approved the Architect. All steel brass, bronze, aluminium and stainless steel articles shall be submitted to a seasonable test for strength; if so required by the Architect at the Contractor's expenses.

All brazing and welds are to be executed in a clean and smooth manner rubbed down and left in the flat test and tidiest way, particularly where exposed.

Chromium plated shall be in accordance with B.S. 1224 or as per approved specification and shall be on a base materials of copper or brass or as specified by Architect.

ENAMEL PAINTS:

Oil paints shall be of 1 quality and the specified colour and shade, and as approved. The easy mixed paints shall only be used. However, if ready mixed paint of specified shade or tint is not available while ready mixed paint with approved stainer will be allowed. In such a case, the contractor shall ensure that the shade of the paint so allowed shall be uniform.

All the paints shall meet with the following general requirements:

1. Paint shall not show excessive setting in a freshly opened full can and shall easily be re-disbursed with a paddle to a smooth homogeneous stage. The paint shall show no curdling, livering, caking or color separation and shall be free from lumps and skins
2. Paint as received shall brush easily, possess good leveling properties and show no running or slugging tendencies.

3. The paint shall not skin within 49 hours in a three quarters filled closed container.
4. The paint shall dry to a smooth uniform finish from the manufactures and generally according to their instructions and without any admixtures what so ever.
Ready mixed paint shall be used exactly as received from the manufactures and generally according to their instructions and without any admixtures what so ever.

PLASTIC EMULSION PAINT:

Pigmented priming coat (emulsion thinned with water) followed by three or more finishing coats of plastic emulsion paint. Pasted filler to be applied every coat exempting the final finishing coat and sanded.

Company name : ASIAN PAINTS

LAMINATES:

All the laminate to be used shall be of 1.0 / 1.5 mm. thickness in approved the color and shade as proved and specified by the Architect. It shall be as given below.

Company name : Green-lam

Edge binding 22/0.8mm of Rehau to match the laminate shades. Adhesive -Marine fevicol and Rehau Aquence Bond master. All the Grooves provided in between laminate as per drawings to be filled with Polish and exposed all edges with TW beading Patti with melamine polish.

VENEERS:

The best quality natural wood veneers of the specified wood and of the specified thickness shall be used. It shall be in matching group and of uniform shade and as per the selection and approval. The contractor shall have to obtained the approval of the prior to pressing of veneers. The contractor shall have to use the brand of veneers as approved by the Architect.

RUBBER:

Natural latex rubber (Geo foam) of specified density and the thickness shall be used for all the cushions and padding for upholstered furniture. Loose cushions of all furniture should have solid foam walling to keep up proper shape.

UPHOLSTERY :

This will be of first class standard workmanship with webbing no- sag springs, padding and filling as specified on drawing. Covering fabrics will be shown tufted and corded as shown on the drawing.

CUSHION VENTS:

Brass or aluminum "cushion vents" should be installed at the back or underside of seat cushions (especially) those covered in leather evenly plastic or very tightly woven fabric) to allow air to escape and to prevent torn seams.

LIST OF INDIAN STANDARDS REFERED TO

1. IS.No.1200–latest measurement of building and civil engineering work.
2. IS. No. 297 – 1973. Recommendation for maximum permissible moisture content of Timber used for different purposes in different climatic zones.
3. S. No. 1141 – 1973 code of practice for seasoning of timber.
4. I.s.No.6534–1971 guiding principles for grading and inspection of timber.
5. IS. No. 1200 (part XXI)1973 :Method of measurement of building and civil engineering works. Part XXI wood work and joinery
6. IS. 3845 – 1966. Code of practice for joints used in wooden furniture.
7. IS. 4000 – 1967. Wooden flush doors. Type to method of test for.
8. IS. 4970 – 1973. Key for identification of commercial timbers.
9. IS. No. 3364 (part II) – 1975, Methods of measurement and evaluation of defects in timber, part II converted timber
10. IS. No. 1703 – 1969. Methods of testing small clear specimens of timber.
11. IS. No. 6342 – 1971. Rosewood logs for production of sliced veneers.
12. S. No. 5248 – 1969. Teak logs for production of sliced veneers.
13. I.S.No.2202 (part I)1973.Specification for wooden flush door shutters (solid core type part plywood).
14. S. No. 2338 (part I) – 1967. Code of practice for finishing of wood and wood based materials part I operations and workmanship.
15. S. No. 7630 – 1975. Methods of sampling of plywood.
16. S. No. 303 – 1975. Specification for plywood for general purposes.
17. S. No. 3129 – 1965. Specification for article board for insulation purposes.
18. S. No. 3513 – 1966. (part III & part IV). High and medium density wood based laminates part III general purposes. Part IV sampling test.

19. S. No. 1659 – 1979 blockboards.
20. S. No. 7316 – 1974. Decorative plywood using plurality of veneers for decorative faces.
21. S. No. 3478 – 1966. High density wood particleboards.
22. I. S. No. 1734 (part I to XX). Plywood method of test for Part I : General ; Part II : Plywood ; Part III : Battens
23. S. No. 1328 – 1970. Veneer decorative plywood.
24. S. No. 710 – Marine ply.
25. S. No. 3087 – 1965. Wood particle boards (Medium density)
26. S. No. 848 – 1974. Specification for synthetic resin adhesives for plywood. (Phenolic & Amino plastic)
27. I. S. No. 2046 – 1969. Specification for decorative laminate.
28. I. S. No. 8273 – 1976. Fibrous gypsum plasterboards.
29. I. S. No. 2095 – 1964. Gypsum plasterboards.
30. I. S. No. 2542 (part I) – 1978. Gypsum plaster concrete and products, methods of test for part I – plaster and concrete.
31. I. S. No. 8272 – 1976. Gypsum plaster for use in the manufacture of fibors plasterboards.
32. I. S. No. 2441 – 1963. Fixing coiling coverings code of practice for.
33. I.S.No.2835–1977.Specificationforflattransparent sheet glass.
34. I. S. No. 2395 (part I) – 1966 & 2395 (part II) – 1967: Painting to concrete, masonry, plaster surfaces code of practice for part – I operation and workmanship part II – schedule.
35. I. S. No. 3548 – 1966. Glazing in building code of practice for.
36. I. S. No. 6278 – 1971. White washing and colour washing code of practice for.
37. I. S. No. 137 – 1965. Specification for ready mixed paint brushing, matt or egg – shall flat finishing, interior to Indian standards colours as required.
38. I. S. No. 133 – 1975. Specification for ready mixed paint brushing. Wooden coating,

interior to Indian standard colours.

39. I. S. No. 129 – 1950. Specification for ready mixed paint brushing grey filler for enamel for use over primer.
40. I. S. No. 129 – 1950. Specification for ready mixed paint brushing, finishing, interior, oil gloss, for general purposes to Indian standard colours.
41. I. S. No. 120 – 1950. Specification for ready mixed paint brushing grey filler for enamel for use over primer.
42. I.S.No.533–1973.Specificationforgumspiritof turpentine (oil of tarpentine).
43. I. S. No. 101 – 1964. Methods of test for ready mixed paints and enamel.
44. I. S. No. 75 – 1973. Specification for linseed oil, and refined.
45. I. s. No. 77 – 1976. Specification for linseed oil, oiled for paint.
46. I. S. No. 124 (part I) – 1976. Specification for ready mixed paint brushing, finishing, semi glosses, for general purposes.
47. I. S. No. 5884 – Specification for woollen carpets.
48. I. S. No. 104 – 1979. Specification for ready mixed paint brushing, finishing, zinc chrome primer.
49. I. S. No. 5391 – 1969. Adjustable metal chairs for use of typist and operators in telephone exchanges.
50. I. S. No. 8756 – 1978. Ball catches for use in wooden almirahs.
51. I.S.No.3499–1976 (part II)chairs for office purposes metal revolving and tilting.
52. I.S.No.5416–1969.Generalpurposewoodenchairsmethodsoftestfor.
53. I.S.No.6185–1971.Highchairsspecificationandsafetyrequirementsfor.
54. I.S.No.4116–1976.Jointsusedinwoodenfurniturecodeofpracticefor.
55. I. S. No. 3845 – 1966. Joints used in wooden furniture code of practice for.
56. I. S. No. 7070 – 1973. Shelving racks wooden (adjustable and non adjustable type).
57. I. S. No. 4414 – 1977. Table tops(wooden)

58. I. S. No. 5967 – 1969., Tables, wooden, methods of test for.
59. I. S. No. 3564 – 1975. Door closers (hydraulically regulated).
60. I. S. No. 799 – 1979. Drawer locks, cupboards and box locks.
61. I. S. No. 7981 – (part i I) – 1975. Glossary of terms relating to builders hardware – part I locks.
62. I. S. No. 204 – (part I & II) 1978. Tower bolts ferrous metal and
63. Non-ferrous metals.
64. IS 456-2000: for Plain and Reinforced Concrete
65. IS 5437-1994 for figured, rolled and wired glass
66. IS 3548-1988: for glazing in buildings
67. IS 10439-1983: for patent glazing
68. IS 2835-1987: For flat transparent glass sheets

NB. The various items to be used in the interior decoration work shall be of ISI standards. Whenever the items / products do not have ISI mark / standard, shall be got tested for its quality etc. at the laboratory and necessary testing charges shall be borne by the contractor.

SCHEDULE OF APPROVED MAKES

Note: The Contractor should obtain prior approval from Architects before placing order for any specific material / agency. [LIST OF MAKE FOR CIVIL WORKS](#)

S.no	Material	Brand/ Manufacturers OR EQUIVALENT
1	Cement	: OPC 53 grade conforming to BIS-8112 and approval
2	Reinforcement Steel	: TMT steel conforming to BIS-1786 and approval of source by Engineer
3	Ready Mix Concrete	: ACC, BIRLA, Ahlcon or approved equivalent
3	Doors & Windows fixtures/ Fittings:	: Kitch, Hettich
4	Door Hardware & Fixture	: Kitch, Hettich
5	Aluminium Sections.	: Hindalco, Jindal, Indal, Boruka,
6	Clear Glass/ Clear Float Glass /Toughened Glass	: Saint Gobain(SG), Modi, AIG
7	Laminates	: Refer point number 5 of page number 24 of this RFP
8	Synthetic Enamel Paints	: Berger (Luxol gold), Asian(Apolite), ICI Dulux (Gloss),
9	Oil Bound Distemper	: Asian (Tractor), Berger (Bison), Nerolac
10	Cement Paint	: Snowcem Plus, Berger (Durocem Extra), Nerolac (Nerocem with titanium),
11	Plastic Emulsion Paint	: Asian paints Royal Atmos
12	Back-up Rod.	: Supreme Industries or equivalent
15	Metal Fire Check Doors	: Navair, Ozone, Godrej
16	Gypsum Board System	: India Gypsum,
18	Admixtures for concrete.	: Cico, Kryton ,Penetron
21	Flush Door Shutters.	: Century, Archidply, Green Ply
22	WPC Board	: Alstone or equivalent
23	Plywood / Block Board	: GreenPly , Century , Archidply,
24	Teak ply	: GreenPly , Archidply
26	High Pressure Laminate	: Prodima, Fundermax , Trespa
27	Adhesive for Wood work	: Fevicol , Vamicol
28	Glazed Tiles	: RAK,
29	PVC Water Stops	: Supreme, Astral, Prince
30	White Cement.	: Birla White, J.K.
31	Powder Coating Material PurePolyester.	: Jotun , Berger, Goodlass Nerolac
32	Pre-coated G.S Windows & Doorframes	: NCL or equivalent
33	Masking Tapes	: Sun control , Wonder Polymer.
35	Dash Fasteners./Anchor bolts	: Hilti, Fischer, Bosch.

38	E.P.D.M. Gaskets.	:	AnandReddiplex, Enviro Seals
S.no	Material		Brand/ Manufacturers OR EQUIVALENT
39	E.P.D.M. Gaskets.	:	AnandReddiplex, Enviro Seals
40	Weather & Structural Silicon.		Dow Corning, Wacker, GE
41	PVC continous fillet for periphery packing of Glazings Structural glazings.:	:	Roop, Anand, Forex Plastic.
41	Water proofing compound		Pedilite,Kryton, Penetron
43	Water proofing / Injection Grouting	:	Specilized agency as approved by engineer
44	6mm thick Reflective Glass	:	Glaverbel, Glavermas, Saint Gobain.
45	Multicolor Steel Roofing Sheet		Alviva Steels Ltd, Everest
46	Vitrified Tiles	:	RAK
48	Aluminium Cladding sheets	:	Alstrong ,Alstone,Alucobond
49	Stainless steel D-handles	:	Kitch, Ozone, Hettich
50	Stainless Steel Railing 304 &316(Welding less)	:	Q-Rail, Kitch ,Arch
63	Metal False ceiling	:	Grid Square , Armstrong , Hunter Douglas
64	Calcium Board & Tile(Ceiling /Partion/Panelling)	:	Hilux or equivalent
67	Compact Laminate sheet	:	Merino , Green Lam
68	AAC Block	:	J.K.Laxmi Cement Ltd , Kannav Builders Pvt ,Ecolite
69	Wall Putty	:	Laticrate , Birla white, J.K White
70	Chairs (ISI marked)		Spacewood , Godrej , Wipro, Zitten
71	Tile base		Tile ceil/Armstrong

NOTES :

Wherever make have not been specified for certain terms as equivalent makes referred, the same shall be as per BIS and as per approved by Engineer-in-charge/Consultant.

LIST OF MAKE FOR PLUMBING WORKS

S. no	Material		Brand/ Manufacturers OR EQUIVALENT
1	Vitreous China Sanitary ware	:	Jaquar
2	Stainless Steel Sink	:	Jaquar , Commander, Nirali
3	Plastic seat cover of W.C	:	Jaquar
4	Geyser	:	Racold, Voltas, Bajaj
5	C.P. Fittings Mixer/Pillar taps Washers, C.P. brass accessories	:	Jaquar,
6	Centrifugally /Sand cast iron pipes& fittings	:	Neco, Hepco
7	G.I. Pipes	:	Jindal-Hissar, Tata, Prakash-Surya B.S.T., SAIL,

S. no	Material		Brand/ Manufacturers OR EQUIVALENT
8	G.I. Fittings	:	Jindal-Hissar, Tata, Prakash-Surya B.S.T.,SAIL,
9	Gunmetal Valves	:	Zoloto, Leader,
10	Brass stop & Bib Cock	:	Zoloto, Sant, L&K, Jaquar
11	Ball valve with floats	:	Zoloto, Leader, Sant, Jayco
12	Stoneware pipes & Gully Traps	:	IS Marked pipes
13	R.C.C. pipes	:	IS Marked pipes
14	D.I. Manhole Covers	:	RIF, NECO,
15	Water Tank	:	Sintex, Polycon, Uniplast
16	Mirror	:	Golden, Atul, Modi guard ,Gujrat Guardian
17	Hand drier	:	Kopal, Automat, Euronics
18	PVC flushing cistern	:	Parryware, Hindware,Jaquar
19	Insulation of Hot water pipes	:	Vidoflex insulation, Superlon insulation or equivalent
20	PVC Rain Water Pipes.	:	Supreme, Prince, Finolex. Astral
21	Sluice valve / NRV	:	Kirloskar, Kilburn, Zoloto ,Castle,
22	Water supply pumps	:	KIRLOSKAR, WILO, GRUNDFOS
23	UPVC pipes & fittings	:	Finolex , Prince, Supreme, Astral
24	Chlorinator	:	ALFA, USA, Ion exchange, Sigma DH Combine Inc.
25	HDPE Solution tank	:	WATCON, ION EXCHANGE, Water Supply Specilist P (Ltd)
26	C.P Flush Valves	:	Jaquar, Seiko, Nelson
27	C.P Angle Valves, bib cock	:	, Jaquar, Seiko ,Nelson
28	Level controller	:	Femac or equivalent
29	Drainage Pumps	:	Grundfos, KSB, Kirloskar
31	R.O System	:	Thermax, Aqua Process, Ion-Exchange,Akar-Impex, Polycon Technologies, Fontoos
32	PE-AL-PE	:	Kitec, Jindal, NEXGEN
33	HDPE pipes and fittings	:	Oriplast, So-Soon, Finolex
34	Infrared Sensor operated Urinals	:	Jaquar, Euronics,U-tec
35	Grab Bars	:	Marino or equivalent
36	CPVC pipe	:	Prince, Supreme,Finolex, Astral
37	Solar Panel	:	Tata BP, BHEL, EMMVEE
38	Copper Pipe	:	Raj Co., Maxflo
39	Copper Fittings	:	Viega, IBP

S. no	Material	Brand/ Manufacturers OR EQUIVALENT
40	Lab drainage	: Viega or Equivalent as approved.
41	Lab Fittings	: Vijay, Viega, or equivalent
42	CP Grating for Floor Trap	Chilly, Cardin, Cammyr
43	UPVC Over Head Water Tank	EURO, SYNTEX, DIPLAST

LIST OF MAKES FOR ELECTRICAL WORKS

S. no	Material	Brand/ Manufacturers OR EQUIVALENT
1	KV VCB Panel Board	: Siemens// Voltas/Crompton Greaves/L&T/
2	KV XLPE Cable	: Incab/ Universal/ NICCO/ CCI
3	Transformer	: Crompton Greaves/ GECAlsthom/Voltamp Areva/ ABB
4	Bus Duct/rising mains (Sandwich)-	: L&T/ Siemens/ ABB/Legrand
5	Diesel Engine	: Cummins/Kirloskar/Cotton
6	Alternator	: Stamford/ Kirloskar/ Leroy Somer &Control/ Crompton Greaves/ Cater pillar
7	Battery	: Exide/Standard Furrukawa /Amar ,Raja
8	L.T. Cables	: Skytone / KEI/ Poly Cab/ RR cable
9	PVC insulated Wires/Telephone wires& cables India Co-axial cables	: Finolex / Havells / RRCable
10	Telephone Tag Blocks	: Krone Type
11	Modular Range of Switches,socketsetc	: Anchor- Roma /RR Switch / Havells –Crab tree.
12	Industrial Sockets & Plugs	: Siemens//Legrand/Gewiss/ Havell"s
13	M.S. Conduit	: BEC/ AKG/ M Kay/ NIC/ Siddarth/ Harsh
14	Light fixtures.	: Philips/ Halomax / Trilux
15	Ceiling Fan/ Exhaust fan	: Crompton Greaves/ Usha/ Bajaj.
16	Main LT Panel	: Manufactured at the works of L&T, Siemens,Legrand , Schneider only.
17	MV Panels	: Venus Controls, Neptune, Advance, ASG control &Switchboard Pvt. Ltd. Anand Power Ltd., System &Power Control. Amptech. Nitya Electrical Controls,Ambit Switchgear Pvt. Ltd,Adlec.
18	Air Circuit Breakers	: L&T, Legrand, Siemens, ABB, Schneider

S. no	Material		Brand/ Manufacturers OR EQUIVALENT
19	MCCB	:	L&T/ Legrand/ Siemens/ ABB/Schneider
20	MCB-DB"s, MCB, ELCB	:	L&T/ GE Power Controls/ Siemens/Legrand
21	RCCB/ MCB-Isolator etc.	:	Schneider, Legrand
22	SDFU	:	L&T/ GE Power Controls/ Siemens/ Schneider
23	Power Contactors	:	L&T/ Legrand/ Siemens/ Schneider/ABB
24	LIFTS	:	OTIS/ Kone/ Scheindler/ Mitubshi/Johnson
25	EPABX	:	Siemens, Ericsson, Alcatel, Avaya
26	FDA Panel	:	Honeywell/Edwards/Minimax
27	BMS	:	ABB, L&T, Trane, Honeywell
28	UPS	:	Schneider Numeric, Emerson, Eton, Power ware
29	PA System	:	BOSCH,Harman,Bose
30	Access Control System	:	BOSCH, Honeywell, L&T

Note:.. Any item not mentioned above shall be subject to approval by NIA/Architect

Annexure-1-(Technical Bid)

THE NEW INDIA ASSURANCE CO. LTD

S.No.	ESSENTIAL/MANDATORY DOCUMENTS/CRITERIA			
1	Name and Address of the contractor			Address proof to be attached(mandatory)
2	PAN No & GST			Copy of each to be attached (mandatory)
3	Tender Fee (Rs 1180)			Scanned copy to be attached online and hard copy to be submitted to office (<u>MSE are exempted</u>) (MSE must submit scanned MSE certificate for claiming exemption) (mandatory)
4	EMD (Rs 1.5 lac)			Scanned copy to be attached online and hard copy to be submitted to office (<u>MSE are exempted</u>) (MSE must submit scanned MSE certificate for claiming exemption) (mandatory)
5	Similar Works (Interior furnishing works)			Certificates/ work Completion Certificates to be attached for similar work (merely work orders will not be considered) (mandatory) [Please note that the qualifying value should correspond to <u>one single work</u> /two single works/three single works (<i>i.e. the bidder should not combine value of different small works to show as value of single work</i>)]
	1 similar work amounting to 80% of estimated value i.e. Rs. 55.30 lacs	2 similar works amounting to 50% of estimated value i.e. Rs 34.56 lacs	3 similar works amounting to 40% of estimated value i.e. Rs 27.65 lacs	
6	Self declaration regarding not disqualified /not blacklisted by any organization /bank in the past			To be attached (mandatory)
7	Balance sheet / Profit & Loss Statement for the last 3 years. (to be attached herewith)			To be attached (mandatory)

Date:-

Place:-

Annexure-2-
(Security Deposit -Bank Guarantee Proforma)

To,
The Chief Regional Manager
Mumbai Corporate and Brokers Office-3.
The New India Assurance Co. Ltd.

WHEREAS M/S....., (hereinafter called "the Contractor") has undertaken, in pursuance of Tender

Reference No.....dated.... to undertake works titled

"....."

AND WHEREAS it has been stipulated by you in the said Tender that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein, as security for compliance with the contractor's performance obligations in accordance with the contract.

AND WHEREAS we have agreed to give the contractor a guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Contractor, up to a total of Rs.....(in words) and we undertake to pay you, upon your first written

demand declaring the contractor to be in default under the Tender and without cavil or argument, any sum or sums within the limit of Rs/- (Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein. This guarantee is valid until

the.....

Signature and Seal of Guarantors (Contractor's Bank) Date: Address:

Annexure-3

Commercial Bid (to be filled online only)

BOQ & ESTIMATES FOR PROPOSED INTERIOR CIVIL, FURNITURE, ELECTRICAL, NETWORKING, AIRCONDITIONING, FIRE ALARM & CCTV WORK TO Mumbai CORPORATE &BROKER OFFICE-3 - NIACL, BKC - BANDRA, MUMBAI.

SR. NO.	PARTICULARS	QTY	UNIT	RATE (in INR excluding taxes)	AMOUNT	Amount (Rs) in words
[I]	DEMOLITIONS					
1	Dismantling / Demolishing Existing Flooring & Wall Dado Carefully dismantling and demolishing existing flooring & Wall dado including Vitrified tiles, wooden, marble, mosaic, marble, granite etc. at all heights, levels and locations fixed in cement mortar or any other adhesive material using manual/mechanical means including necessary scaffolding, making the surface good and immediate carting away and disposal of unserviceable material/debris to a place approved by Mumbai Municipal Corporation and as per direction of Architect. Rate to include stacking of all serviceable material at any floor as per the direction of Architect. Rate to include stacking of all serviceable material i. e. Junction Box, race ways, Sanitary fittings & other accessories etc as per direction of Architect.					
(i)	Office Premises	262.00	SQMT		0.00	
(ii)	Reception Lounge	25.00	SQMT		0.00	

2	Dismantling and Removing Existing Partition/Doors/ Brick Walls Carefully Dismantling and removing the existing partitions/doors/ brick walls of any type with cement plaster, laminate, veneer or any other finish and at any height/locations carefully without causing damages to the existing structure, wall, roof slab, false ceiling etc. The rate is inclusive of necessary scaffolding etc. and carting away the unserviceable material / debris to a place approved by Mumbai M.C.G.M. as per direction of Architect. Rate to include making the damaged surface good and stacking of serviceable material at any floor with necessary lead and lift as per direction of Architect. Complete.	84.00	SQMT		0.00	
3	Dismantling and Removing Existing False Ceiling Carefully Dismantling and removing the existing False Ceiling including the AC duct, equipment or any other services concealed inside the false ceiling without disturbing the structure/ adjacent wall/ ceiling at all heights/locations/floor level. The rate is inclusive of necessary scaffolding to be provided, stacking all serviceable material AC Duct, electrical accessories etc. at any floor with required lead and lift and carting away the unserviceable material / debris to a place approved by Mumbai M.C.G.M. as per direction of Architect. Complete. Mode of Measurement: Floor Area/ Floor Plan shall be measured. No extra measurement for AC Duct, Equipment, other services etc. concealed inside the false ceiling/roofing.	245.00	SQMT		0.00	

4	Dismantling and removing the existing Furniture Carefully Dismantling and removing the existing Furniture i.e. counters, work stations, storage, loose furniture, tables etc. with the help of specialised agencies by manual or mechanical means and placing them to desired location within the premises as directed by Architect. The Rate is inclusive of stacking of all serviceable material & carting away unserviceable material / debris to a place approved by Mumbai Municipal Corporation. Complete as directed by the Architect.		LS		0.00	
5	Dismantling and Removing Existing Electrical & Allied Accessories Carefully Dismantling and removing the existing electrical & allied accessories and stacking the same at location specified by Architect 's , with necessary lead, lift, transportation and carting away unserviceable material / debris to a place approved by Mumbai Municipal Corporation as per direction of Architect.The Rate is inclusive of making necessary adequate standby lighting arrangements in the premises using existing electrical fitting & fixtures, while laying of new area, as per site requirement. Complete as directed by the Architect.	1.00	LS		0.00	
7	Buying Back the unserviceable/ discarded material i.e. existing wall tiles, dado, Existing false ceiling, Existing partitions, Other furniture items etc. on as is where is basis (including necessary loading, unloading, lead, lift and transportation etc complete in all respect) of items & as specified/ directed by Architect. Rates to include disposal of the debris to the approved by Mumbai Municipal Corporation as per direction of Architect. Basic Rate: Rs. 10,000.00 LS A site visit is advised prior quoting the amount against this item.	-1.00	LS		0.00	

	TOTAL OF DEMOLITION WORK				0.00	
[II]	FURNISHING WORK					
A	PARTITION WORK WITH DOOR					
	<p><u>Main structure</u> The partition should be firmly fixed on floor/ counter/ wall and made out of ALUMINIUM FRAME of of 16 gauge aluminium sections of size 50mm x 38 mm placed at 450 to 600 mm c/c both ways and screwed to the floor and ceiling with M.S. Cleats as internal frame and 12 mm thick exterior grade particle board of approved make firmly screwed to the aluminium frame frame on both sides. The exposed surface to be finished with 1 mm thick laminate/ 4 mm thick veneer in 2 to 3 colours of approved pattern, make & colour including providing 8 mm thick glass with etching/ film/ plain glass panel as an insert with beach wood (BW) beading with melamine polish including all hardwares etc. Complete as per design and direction of the Architect.</p>					
	<p><u>Doors</u> The partition will have doors of 2'.9"/ 3'.0" x 7'.0" Ht size with additional frames out of TW/BW section size 2'.9"/ 3'.0" x 7'.0" Ht and the shutters shall be either solid/ partly glazed/fully glazed of approved design made out of 32mm/40 mm thick flush door shutters pasted with 1.0mm thick laminate/ 4 mm thick veneer and provision of 10 mm thick glass for partly/ fully glazed. The rate is inclusive of submitting necessary F.R.D./F.R.G. certificate for the doors provided. Complete as per design and direction of the Architect.</p>					

	<p>Hardware</p> <p>The rate is inclusive of the cost of all the required brass hardwares such as butt/ box hinges, door handle 'H' type 1" dia 1'0" high, concealed door closer, etc. The door should be provided with design series SS handles with mortice locks of approved make and model, door stopper, door closer of basic cost Rs.800/- per no. etc. Complete as per design and direction of the Architect.</p>					
	<p>Making openings</p> <p>The quoted rate should include the cost of making required no. of cuttings, opening for providing electrical, data, voice switch boxes in the partition and making it good the surface with necessary beadings. Complete as per design and direction of the Architect.</p>					
1	<p>Both side Laminate glazed/ blocked Partition with door</p> <p>Do as above but providing and fixing partition with both side finished with 1mm thk laminate in 2 to 3 colours as approved by the Architect 's including necessary grooves, skirting etc. Complete as per design and direction of the Architect.</p> <p>Mode of Measurement: The height will be measured from the floor upto the bottom of false ceiling/ slab which ever is lower. The rate shall include the required extension of frames till the ceiling for proper support. Complete as directed by the Architect.</p>	112.00	SQMT		0.00	

2	<p>Sliding Folding Partition Providing 2' 3" frame both & top side providing 35mm thk flush door be fixed both side 1mm Laminate & fix ½" x 7'6" or upto false ceiling high wood patti to be fixed at thickness of shutter finish with 1mm premium laminate. Necessary SLIDING FOLDING HARDWARE AS \ APPROVED BY THE ARCHITECT Dorma/Hettich/Hafle/Enox brand OR EQUIVALENT 44mm x 38mm x 150mm heavy duty hinges 4 nos. to each shutter to be fixed & provide 75mm x 63mm T.W. frame 2510mm high 2 nos. & 3350mm long 1 nos. to be provided & finished with 1mm thk. laminate to be fixed & providing necessary U channel in top & bottom of floor in flooring 3350mm long as per design & all five doors will have conceal handles & long tower bolt as per design & all the doors finish with laminate in pattern as per direction of the Architect. (total doors 5 shutters of 660mm x 2500mm) will be folded at one side. complete as directed by the Architect. The Rate is inclusive of necessary support from ceiling, Top Channel & Bottom channel as directed by the Architect. (Measurement : Length x Height upto false ceiling)</p>	10.00	SQMT		0.00	
3	<p>Gypsum Partition above False Ceiling Providing and fixing 12.5 mm thk. single layer Gypsum sheet from both side of 50mm x 50mm Aluminium frame. Square end and tapered edges of the boards are to be finished so as to have a flush look which includes filling and finishing with jointing compound, joint paper and 2 coats of Drywall top coat suitable for Gypsum upto primer level as per India Gypsum Specs. The rate is inclusive one coat of primer and 2 coats of plastic emulsion paint. Complete the work as per site conditions and instructions of Architect. (The Contractor Should Make Necessary</p>	23.00	SQMT		0.00	

	Openings In The Said Partitions For Various Services. The rate shall include the required extension of frames till the ceiling for proper support. Complete as directed by the Architect.					
4	<p>Full Height Toughened Glass Partition</p> <p>Providing and fixing of Fixed Glass partition with 12mm thick toughened glass using Standard patch & profile fittings of OZONE/ HAFFLE/ YALE/GODREJ/ENOX Co. makes at the top and grouting at the bottom with U - Shaped Anodised Aluminium Profile section and EPDM gaskets including cutting, making holes in glass and fixing the fittings in floors, false ceiling etc. and making the same good with necessary screw, sealant wherever required. The top fittings to be fitted to the Solid Wooden section fixed above the Gypsum board in the level of GI channels of False ceiling. NOTE: Ht. Of Partition upto soffit of false ceiling shall be considered for payment. Rate of Unfinished partition above false ceiling shall not be paid seperately should be inclusive in the tender rate. Rate should be inclusive of application and design of glass film (every 3 M) of width 3'. Complete as per design and direction of the Architect.</p>	10.00	SQMT		0.00	

5	<p>Low Height Partition Providing & Fixing Low height Partition of about height 1200 mm height to be erected in 50mm x 38mm Aluminium section of 16 Gauge placed at 450 to 600 mm c/c both ways. The frame to be fixed with 12mm. thk Exterior grade Particle Board skin on both sides of the frame to be screwed to the frame with joints as directed upto 3'-0" height including 8 mm thk glass pasted with frosted film of approved make & design on the glass, including one soft board panel with felt cloth of approved texture, shade & design and one white board / white laminate panel.</p> <p>The rate should include providing soft board panel with felt cloth of approved texture, shade & design, white board / white laminate in the centre with a small shelf of 1'-0" projection with bevelled edges in the centre of the soft board panels on both sides. All Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically. All works shall be carried out as per drawings and the directions of Architect. Finishing : Both side finished in 1.0 mm thk Laminate as shown in drawing or as directed by Architect .</p>	47.00	SQMT		0.00	
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6	<p>Flush door</p> <p>Providing and fixing in position 32/35mm/40mm thk factory make water proof Solid Core Flush door shutters for Toilets, cabins, ancillary areas specified to match the solid partitions including 2nd class BTC (Berma Teak Wood) frame of 100 X 50mm finished with 1.0 mm thk approved laminate in 2 to 3 colours as approved by the Architect on both sides. The rate is inclusive of submitting necessary F.R.D./F.R.G. certificate for the doors provided. The rate is inclusive of providing 6mm thick seasoned Teak wood lipping to edges duly polished/painted in matching shade, Dorma/ Dorset/ Hefle make door closure, cylindrical mortise lock of Doset /Godrej with computerised key, SS handles, 3 Nos. S.S.Butt hinges (125x32x2mm), S.S.tower bolt 150 mm etc. complete as per the directions of Engineer. Samples of all Hardware fittings to be got approved from the SBI/Engineer prior to its use at site. Complete as directed by the Architect.</p>					
(i)	<p>Toilet and other ancillary areas. (Size: 2'.6" x 7'.0" Ht x 4 Nos.)</p> <p>Do as mentioned above and complete as per design and direction of the Architect.</p>	7.00	SQMT		0.00	
(ii)	<p>Rear Exit, Pantry Door, Duct Door (Size: 3'.0" x 7'.0" Ht x 2 Nos.; 1'.6" x 7'.0" Ht)</p> <p>Do as mentioned above and complete as per design and direction of the Architect. The rate is inclusive of submitting necessary F.R.D. certificate for the doors provided for U.P.S. Room, Elec Room and Rear exit. Complete as per design and direction of the Architect.</p>	5.00	SQMT		0.00	

7	Fully Glazed Door (Toughened Glass) Providing and fixing in position 12mm thick toughened glass door including fixed side panel. The door to be fixed with heavy duty Dorma make floor spring, providing 300mm long 30mm dia SS pipe handle and door lock of Ozone/Dorma or equivalent make with necessary cutting chases in floor and restoring the same to its original position complete. Rate to include providing suitable wooden Top and bottom rail, frosted film as per detailed Engineerural drawing complete. The rate is inclusive of submitting necessary F.R.D./F.R.G. certificate for the doors provided. Complete as per design and direction of the Architect.					
(i)	Main Entrance Double Door (Size: 3'.1" x 7'.0" Ht x 4 Nos.) Do as mentioned above and complete as per design and direction of the Architect.	10.00	SQMT		0.00	
8	Sandwich Glass Divider Partition for Staff Sharing Working Tables Providing and fixing 8mm thk glass divider partition (4mm + 4mm thk) sandwich toughened back painted glass divider partition with film of approved colour with 3" corner round detail to be fixed on the working tables surface with 2 nos. metal powder coated studs as per manufacturers specification. Complete as directed by the Architect.	3.00	SQMT		0.00	
	TOTAL OF [II] A - PARTITION WITH DOOR WORK				0.00	
B	WALL PANELLING & COLUMN PANELLING					

	Providing and fixing in position wall/column panelling made out of (i) ALUMINIUM FRAME of 16 gauge aluminium sections of size 50mm x 38 mm placed at 450 to 600 mm c/c both ways and screwed to the floor and ceiling with M.S. Cleats as internal frame including providing extra frame/members as required as per site condition below beam/slab soffit for running conduit etc.					
1	Laminate Wall/Column Panelling Do as mentioned above and Providing 12mm thk exterior grade approved quality and make Particle board to the framing. Finish the Column/Wall panelling with 1.0 mm thk laminate in 2 to 3 colours as approved by the Architect including skirting & band at top complete as shown in detailed drawing or as directed by Architect/Engineer	150.00	SQMT		0.00	
2	Rolling Shutter Encasing Box With ACP P/F Full panelling made 16 gauge Aluminum Framing of 50 mm X 50 mm at 0.60 M center to center, vertically & horizontally both ways At every 0.60 m., the Aluminum frame, section of 50 mm x 50 mm. at wall, The 16 gauge aluminum angle cleats shall be used joinery with aluminium metal screws. The Aluminium framing then shall be covered one side 4mm thk. ACP exterior grade with blue & white approved colour combination filled with black silicon sealant. Complete as directed by the Architect. The necessary framing / opening shall be provided in the partition for the 100 mm to 150 mm wide for Electrical conduits & Electrical outlets as per directions.	5.00	SQMT		0.00	

3	Split AC Box Panelling Prov. & fix. 3"/6" deep 19 mm. thk. MR ply boxing to be finished with matching Solid core laminate in 2 to 3 colours as approved by the Architect for covering AC Copper piping and cabling etc. Complete as directed by the Architect. (Ht. between 19" to 21" as required)	15.00	SQMT		0.00	
	TOTAL OF [II] B - WALL & COLUMN PANELLING WORK				0.00	
C	STORAGE					
1	Low Height Storage/ Full Height Storage Providing and fixing Low height Storage of ht. 700mm to 1200 mm as desired/ directed and Full height storage of ht. 2100mm to 3000m and depth of 450mm/ as directed and as specified in the drawings as per specification below. Complete as per design and direction of the Architect.					
(i)	Laminate Finish Storage (Size: 11'.0" x 1'.6" x 4'.0" Ht; 7'.4" x 1'.6" x 4'.0" ht; 2'.5" x 1'.6" x 4'.0" Ht; 3'.9" x 4'.0" Ht; 3'.4" x 4'.0" Ht) Providing and fixing Low Ht Storage made of 19mm thk Ply 3'.0" x 1'.6" Depth x 4'.0" High module with 2 Openable shutters with 2 Shelves will make 3 compartments made of 19mm thk play frame box & 6mm thk ply for back. All internal area to be finished in 0.8mm thk laminate and all exterior exposed area to be finished in 1mm thk laminate in 2 to 3 colours as approved by the Architect. Necessary brass hardware, handle, hinges, Godrej locks, tower bolts, etc. to be provided. Complete as per design and direction of the Architect.	3.00	SQMT		0.00	

(ii)	Full Height Storage Laminate Finish (Size: 9'.0" x 1'.6" x 7'.0" Ht; 9'.7" x 1'.6" x 7'.0" Ht; 3'.0" x 1'.6" x 6'.6" Ht; 3'.3" x 1'.6" x 6'.6" Ht) Providing & fixing Full ht (7'-0" ht. or Up to the Gyp. Board Ceiling) storage filling Unit 19" deep of 19mm.thk. IS303 MR GRADE PLY boxing with shutters Externally finished with 1mm thk. Solid Core laminate in 2 to 3 colours as approved by the Architect and 8mm thk ply back with 2 no.s of shelf of 19mm. thk IS303 MR grade ply along with T.W.leaping patti or S.S.Studs/pins for height adjustments. All internal surfaces to be finished with 0.8mm.thk. sued/matt laminate from inside to all exposed internal surfaces with 6" ht. Matt steel H or U Handles, Locks & Heavy duty Magnetic ball catch with other necessary hardware etc. Complete as per design and direction by the Architect.	24.00	SQMT		0.00	
(iii)	Rear Storage Laminate Finish (Size: 6'.2" x 1'.6" x 2'.6" Ht x 8 Nos; 12'.0" x 1'.6" x 2'.6" Ht; 13'.2" x 1'.6" x 2'.6" Ht) Refer Specification No. 1(a) but height of the storage unit should be 2'.6". Complete as per design and direction of the Architect.	17.00	SQMT		0.00	
	TOTAL OF [II] C - STORAGE WORK				0.00	
D	LOOSE FURNITURE WORK					
I	TABLE & SIDE TABLES					
1	Working Table for Chief Reg MGR & Reg MGR with Side Table - Laminate Finish (Size: Table 6'.0" long X 3'.0" wide X 2'.6" Ht. with Side Table 3'.6" long X 1'.6" wide) Providing and fixing table 6'.0" long x 3'.0" wide x 2'.6" high for Chief					

<p>Reg MGR & Reg MGR made out of 19mm thk. IS: 303 Grade BWR Plywood finished with approved 1.0mm thk Laminate in 2 colours as approved by the Architect. The rate is inclusive of providing & fixing a keyboard tray on sliding telescopic channels & a pedestal drawer unit made out of 16mm thk IS: 303 BWR Plywood on side with 3 nos of equal sized drawers on telescopic sliding channels. All internal surfaces to be finished in approved 0.8mm thk laminate. All the external surfaces shall be finished with 1.0mm thk approved laminate in 2 colours as approved by the Architect. The table shall have 10mm thk clear glass on top with bevelled edges and necessary holes. The rate shall also include CPU trolley of reputed manufacturer, keyboard tray sliding on telescopic channels of the approved make as approved by the Architect which shall be heavy duty. The necessary hardware such as automatic locking, ball catches, wire managers etc. including providing the necessary openings for electrical/computer wiring as per the instructions of the Architect. The Elevation of the table shall be as directed by Architect on site.</p>					
<p>The rate is inclusive of the Side table/Credenza. Providing and fixing the Side credenza 3'.6" long x 1'.6" wide x 2'.6" high made out of 19mm thk BWR Plywood with 2 nos of drawers at top & 2 shutters below with one shelf. All internal surfaces to be finished in 0.8 mm thk approved laminate and externally with 1.0mm thk laminate in 2 colours as approved by the Architect including brass hinges, ball catches, 100mm brass handles, brass locks etc Complete as per design and direction of the Architect.</p>	2.00	NOS.		0.00	

2	<p>Manager's Working Table with Side Table - Laminate Finish (Size: 4'.6" X 2'.6"X 2'.6" Ht with Side Table 3'.0" x 1'.4" wide) Providing and fixing table 4'.6" long x 2'.6" wide x 2'.6" high for the Officers to be made out of 19mm thk IS:303 Grade BWR Plywood. Finish the all exposed area of the table with 1 mm thk laminate in 2 colours as approved by the Architect.</p>					
	<p>The rate shall be inclusive of providing a keyboard tray on sliding telescopic channels & 3 nos. equal sized drawers sliding on telescopic channels made out of 16mm thk IS : 303 Grade BWR Plywood on side finished in 1.0 mm thk laminate in 2 to 3 colours as approved by the Architect on all external exposed surfaces and 0.8mm thk laminate on internal surface as per the directions of the Architect.</p>					
	<p>The table shall have 10mm thk clear glass on top with bevelled edges and necessary holes.The rate shall also include CPU trolley of reputed manufacturer, keyboard tray sliding on telescopic channels as per the approved makes which shall be heavy duty. The necessary hardware such as automatic locking, ball catches, wire managers etc. including providing the necessary openings for electrical/computer wiring complete, provided as per the instructions of the Architect. The Elevation of the table shall be as directed by Architect.</p>					
	<p>The rate is inclusive of the Side table/Credenza. Providing and fixing the Side credenza 3'.0" long x 1'.4" wide x 2'.6" high made out of 19mm thk BWR Plywood with 2 nos of drawers at top & 2 shutters below with one shelf. All internal surfaces to be finished in 0.8 mm thk approved laminate and externally with 1.00 mm thk Laminate in 2 colours as approved by the Architect including brass hinges, ball catches, 100mm</p>	8.00	NOS.		0.00	

	brass handles, brass locks etc Complete as per design and direction of the Architect.					
3	Staff Working Table without Side Table (Size: 4'.0" X 2'.0"X 2'.6" Ht) Refer the above specification but provide and fix working table of size 4'.0" x 2'.0" x 2'.6" high without side table and complete as per design and direction of the Architect.	19.00	NOS.		0.00	
4	Broker's Table (Size 6'.0" X 2'.0"X 2'.6") Providing and fixing table 6'.0" long x 2'.0" wide x 2'.6" high made out of 19mm thk. IS: 303 Grade BWR Plywood with 4"/6" high 3 nos. drawers of equal length made out of 16mm thk IS: 303 BWR Plywood					
	sliding on telescopic sliding channels and with lock & key system. All internal surfaces to be finished in approved 0.8mm thk laminate. All the external surfaces shall be finished with 1.0mm thk approved laminate in 2 colours as approved by the Architect. Complete with necessary brass hardware such as handle, brass locks, telescopic chanel, etc.	1.00	NOS.		0.00	
5	Meeting Room Table (Size: 5'.0" x 3'.0" x 2'.6") Providing table 5'.0" long x 3'.0" wide x 2'.6" high made out of 38mm thk Pine Flush Door with a frame work of centre 3'.0" x 2'.6" ht x 1.00 nos. and 1'.6" x 2'.6" high 3 nos. Provide and fix in the centre 6" x 6" x 3' long electrical services hollow beam made of 19mm ply for 2 nos. pop up switches. Provide and finish with 0.8mm thk laminate for below table area and provide 1.00mm thk Laminate in 2 colours for top as	1.00	NOS.		0.00	

	approved by the Architect. Provide necessary openings for Pop up switches. Provide foot rest 4" x 1/2" x 3' long. Complete as per design and direction of the Archirtect.					
6	Conference Table (Size: 11'.8" x 3'.0"/4'.0" x 2'.6") Providing Conference table 11'.8" long x 3'.0"/4'.0" wide x 2'.6" high made out of 38mm thk Flush Door material Hot Press for Top and bottom 2 nos. verticals 2'.6" x 2'.4 1/2" high, 2 Nos. vertical legs with 19mm thk ply 'U' type 9'.8" long x 9" wide x 6" high hollow service beam for electrical services for pop up switches 4 nos. All exposed surfaces, top, bottom and vertical legs all side to be finished in 1.0mm thk Laminate in 2 to 3 colours as approved by the Architect. Provide and fix 50mm x 50mm half round BTW Moulding to be top border and finish the same with melamine polish matching or contrast polish to be done at bottom. Provide and fix 4" x 1 1/2" x 4'.0" long 6 nos. foot rest to be fixed 3" from floor level. Provide necessary openings for Pop up Switches. Complete as per design and direction of the Architect.	1.00	NOS.		0.00	
7	Reception Table - Laminate Finish (Size: 4'.6" x 2'.0" x 2'.6" Ht/3'.0"Ht) Providing and fixing Reception Table of size 4'.6" x 2'.0" x 2'.6" Ht/3'.0" Ht made of 19mm thk ply top, verticals & apron 2'.6" x 4'.0" with 1'.6" x 4 1/2" ht x 1'.6" deep 2 nos. drawers & 1 shutter 1'.4" height with 3" skirting on the right side. All internal area to be finished with 0.8mm thk Laminate & all exposed area to be finished in 1.0mm thk Laminate. Provide and fix all necessary brass hardware such as	1.00	NOS.		0.00	

	handles, hinges, lock, telescopic channel, etc. Complete as per design and direction of the Architect.					
8	Center Table (Center Table Size: 3'.0" x 2'.0") Providing 1 1/2" dia 1'.6" high four legs top oval 3" wide 1 1/2' thk frame with 12mm thk glass top and bottom 3' x 2' 19mm thk ply shelf above 3" skirting to be finished in 1.0mm thk laminate in 2 to 3 colours as approved by the Architect. All wood moulding, legs, etc to be finished in melamine polish. Complete as per design and direction of the Architect. (Basic Cost of 1.0mm thk Laminate: Rs.70/sqft)	1.00	EACH		0.00	
	TOTAL OF [II] D - LOOSE FURNITURE WORK				0.00	
E	FALSE CEILING WORK					
1	False Ceiling					
	The filler, paper tapes, finishes and primers suitable for Gypsum boards, shall be as per recommended practises of India Gypsum. Framework grid and suspenders of armstrong or equivalent quality shall be fixed to avoid fouling with services such as ducting, sprinklers, electricals fixtures, etc T.W. framing may be allowed in certain areas for the Gypsum Board ceiling with the approval of the Engineer. The same should have three coats of acrylic emulsion paint. Note: All the hardware such as fastners, hangers, suspenders, etc. required for erection of the false					

	ceiling shall be of INDIA GYPSUM make. And approved by the Engineer.					
(i)	<p>Gypsum Board Ceiling Providing, fabrication and fixing in position of false ceiling at a height of 10'.0" from floor (or the height will be decided on spot as per the site conditions as directed by the Architect) by fixing 12 mm Thk. Gypsum Board sheets on frame work of GI sheet section. The main runners of 22 gauge GI sheet and cross runners of 24 gauge GI sheet must be framed to form a mesh of 600 x 600 mm c/c. The Gypsum Board must be fixed to the GI frame and joints must be properly filled in with POP paste and paper tape, supplied by the manufacturer, to get a levelled smooth ceiling, including acrylic paint in 3 or more coats in 2 to 3 colours as approved and directed by the Architect. Recessing of the Gypsum Board for light fixtures must be done alongwith extra frame work of GI sheet section to hold the concealed light fixtures. The rate is inclusive of Cove Lighting and no separate payment will be made for the verticals for cove lighting. Mode of measurement - Only Flat Plan will be considered. Complete as per design and direction of the Architect.</p>	185.00	SQMT		0.00	

(ii)	Mineral Fibre Board Providing and erecting false ceiling of Mineral Fiber ceiling Board Armstrong or equivalent approved make with framework, runners, cross runners & suspenders from the existing ceiling as per the manufacturers details and specification and 600mmX 600mm X 20mm thk tiles of approved design, texture & in microlook pattern including the grids in black / white silhouette pattern, 20mm as per manufacturers specifications complete including making necessary cut-outs for electrical fixtures, AC diffusers, access etc as per the instructions of the Architect. Approved premium Tile in Dune RH Microlook category with black silhouette locking supporting system, 20 mm grid. Complete as per design and direction of the Architect.	105.00	SQMT		0.00	
(iii)	Acrylic False Ceiling in Toilet Providing fixing Armstrong 2' x 2' Grid false ceiling as per manufacturer's specification and make G.I. channel framework. Providing and fixing 3mm thk 2' x 2' module of milky white/approved colour acrylic panel/sheet on the grid framework as directed by the Architect. Complete as per design and direction of the Architect.	14.00	SQMT		0.00	
	TOTAL OF [II] E - OTHER WORK				0.00	
F	MISCELLANEOUS					
1	Chairs					
(i)	Chief Regional MGR Chair Providing & supplying approved make High Back Chair in Moulded foam seat & back and 5way fibre stand with height adjustment and swivel and tilt arrangement, PU handles etc. (approved shade of fabric Rs. 150/-	1.00	NOS.		0.00	

	per/meter. Complete as directed by the Architect.					
(ii)	Chief Regional MGR Visitors Chair Providing & supplying approved make Medium Back Chair in Moulded foam seat & back and 5way fibre stand with height adjustment and swivel and tilt arrangement, PU handles etc. (approved shade of fabric Rs. 150/-per/meter. Complete as directed by the Architect.	3.00	NOS.		0.00	
(iii)	Regional MGR Chair Providing & supplying approved make High Back Chair in Moulded foam seat & back and 5way fibre stand with height adjustment and swivel and tilt arrangement, PU handles etc. (approved shade of fabric Rs. 150/-per/meter. Complete as directed by the Architect.	1.00	NOS.		0.00	
(iv)	Regional MGR Visitors Chair Providing & supplying approved make Medium Back Chair in Moulded foam seat & back and 5way fibre stand with height adjustment and swivel and tilt arrangement, PU handles etc. (approved shade of fabric Rs. 150/-per/meter. Complete as directed by the Architect.	3.00	NOS.		0.00	
(vi)	Conference Room Chair Providing & supplying approved make High Back Chair in Moulded foam seat & back and 5way fibre stand with height adjustment and swivel and tilt arrangement, PU handles etc. (approved shade of fabric Rs. 150/-per/meter. Complete as directed by the Architect.	11.00	NOS.		0.00	
(vii)	Meeting Room Chair Providing & supplying approved make Medium Back Chair in Moulded foam seat & back and 5way fibre stand with height adjustment and swivel and tilt arrangement, PU handles etc. (approved shade of fabric Rs. 150/-	6.00	NOS.		0.00	

	per/meter. Complete as directed by the Architect.					
(viii)	MGR Chairs Providing & supplying approved make Medium Back Chair in Moulded foam seat & back and 5way fibre stand with height adjustment and swivel and tilt arrangement, PU handles etc. (approved shade of fabric Rs. 150/- per/meter. Complete as directed by the Architect.	8.00	NOS.		0.00	
(ix)	Visitors Chairs Providing & supplying approved make medium Back Chair in Moulded foam seat & back and PU handles etc. (approved shade of fabric Rs. 150/- per/meter. Complete as directed by the Architect.	16.00	NOS.		0.00	
(x)	Broker Lounge Chair Providing & supplying approved make Medium Back Chair in Moulded foam seat & back and 5way fibre stand with height adjustment and swivel and tilt arrangement, PU handles etc. (approved shade of fabric Rs. 150/- per/meter. complete as directed	2.00	NOS.		0.00	
(xi)	Staff Chairs Providing & supplying approved make Medium Back Chair in Moulded foam seat & back and 5way fibre stand with height adjustment and swivel and tilt arrangement, PU handles etc. (approved shade of fabric Rs. 150/- per/meter. Complete as directed by the Architect.	20.00	NOS.		0.00	

2	Two Seater Sofa (Size: 4'.10" x 2'.8" x 6 nos.) (Basic Fabric cost: Rs.650/meter) Provide 12mm thk plywood box frame as per sofa size and design and provide for a seat made of 5" thk foam, for back 4" thk foam and 3/4" handrest. Seat below and back to be covered with fully upholstered fabric of sweat artificial leather type fabric worth Rs.650/meter. Provide 2" diameter 4" high wood/s.s. steel 4 nos. legs. Complete as per design and direction of the Architect and/or as selected and approved by the Architect in the showroom. Complete.					
(i)	Office Premises	6.00	RMT		0.00	
(ii)	Reception Lounge	3.00	RMT		0.00	
3	10mm Thk Roller Blind Providing and fixing Roller blinds of standard make Vista, Mac or equivalent make with steel rod and accessories with slates of approved make, color, pattern and design as per instructions of the Architect. The roller blinds shall be fixed over the supports alongwith the hardware fittings, etc. Make: Vista/ MAC/ Hunter & Douglas Complete as per design and direction of the Architect.	54.00	SQMT		0.00	
4	Painting Note : The Rates for the Painting works shall be inclusive of three coats on the existing surface including scraping of old paint and applying primer coat. The paint should be free from lead and Arsenic. Complete as directed by the Architect.					

a	Acrylic Emulsion Paint Providing and applying Acrylic Emulsion Paint in minimum of three coats of approved make and shade on Walls, Ceiling, plywood, gypsum board, surfaces etc including all the necessary surfaces preparation, POP punning to the wall up to average thickness of 12 mm to proper level & plumb, including grooves etc scrapping, base coats etc to receive 3 coats of paint. The wall shall be cleaned, filled with putty & applied with one coat of primer so as to achieve a even surface to apply paint. Complete as directed by the Architect.	85.00	SQMT		0.00	
b	Enamel Paint It is to be done as per the specification provided by the reputed makes like Asian ,Nerolac etc. is to be provided on all the window Grills, Shutters, Channel gates, Strong Room gate etc. Complete as directed by the Architect.	55.00	SQMT		0.00	
5	Lockers Overall size of 6 - Door PLU + Lkr (Base)shall be 380mm (W)x450mm (D) x 1830mm (H). Stackability shall have add - on units that can be stacked width wise to form bank of lockers having common side panel. Locking shall have 10 Lever cam lock with lock lever plus option of hasp arrangement . Material shall be CRCA 0.6 mm thickness . Construction shall be Rigid Knockdown construction, shelf shall be uniformly distributed load capacity per each shelf level is 35 Kg maximum. Finish shall be epoxy polyester powder coated to the thickness of 50 microns . Handle/Label holder shall be Aesthetically appealing Snap fit ABS plastic handle . Ventilation shall be attractive punched pattern for ventilation."	3.00	NOS.		0.00	
	TOTAL OF [II] F - MISCELLANEOUS WORK				0.00	

	SUMMARY OF FURNISHING WORK					
[II] A	PARTITION WORK				0.00	
[II] B	WALL/ COLUMN PANELLING				0.00	
[II] C	STORAGE				0.00	
[II] D	LOOSE FURNITURE WORK				0.00	
[II] E	OTHER WORK				0.00	
[II] F	MISCELLANEOUS WORK				0.00	
	TOTAL OF FURNISHING WORK				0.00	
[III]	CIVIL WORK					
A	BRICK MASONARY					

1	Brick Masonry with plaster on both sides Providing and laying Autoclaved Aerated (Cellular) cement blocks (Siporex) of 650 x 240 x 125mm masonry with more than 100mm thk AAC Blocks in cement mortar 1:4 Masonry work, raking out joints, scaffolding and curing, etc complete as directed by the Architect. Providing and laying Internal plaster of average 20 mm thk in Two coats in CM 1:4 to walls, ceiling at all heights including necessary scaffolding curing etc complete. Rate includes adding polypropylene fibre of approved quality as per proportion specified in the manufacturers specifications, chicken mesh, nails, curing etc Complete as directed by the Architect.	20.00	SQMT		0.00	
2	Providing POP for new construction POP punning to the new wall/ plaster up to average thickness of 12 mm to proper level & plumb, including grooves etc to receive paint. The wall shall be cleaned, filled with putty to proper line and level. Complete as directed by the Architect.	10.00	SQMT		0.00	
	TOTAL OF [III] A - BRICK MASONRY WORK				0.00	
B	FLOORING & GRANITE WORKS					
1	Digital Vitrified Tiles Flooring (800 x 800) Providing and laying Digital Vitrified Tile Flooring & skirting (800x800), over RCC flooring on 20mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) cost including grouting the joints with white cement and matching pigments etc., complete. (basic tile cost Rs. 90/- per sft). All as per drawings and/or instructions of the Engineer. The rate is inclusive of 75mm/100 mm high skirting (in Sft). Complete as directed by the Architect.					

(i)	Office Premises	208.00	SQMT		0.00	
(ii)	Reception Lounge	24.00	SQMT		0.00	
3	Anti-skid Tiles Toilet Flooring (300mm x 300mm) Providing and laying Antiskid Tile Flooring & skirting, over RCC flooring on 20mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) cost including grouting the joints with white cement and matching pigments etc., complete. (basic price Rs. 75/- per sft). Complete as per design and direction of the Architect.	14.00	SQMT		0.00	
4	Wall Tiles (300mm x 600mm) Providing and fixing ceramic wall tiles, over the existing wall on cement mortar 1:4 (1 Cement : 4 Coarse sand) cost including grouting the joints with white cement and matching pigments etc., complete. (basic price Rs. 75/- per sft). Complete as per design and direction of the Architect.	54.00	SQMT		0.00	
5	Granite Door Frame(19mm thick in stepped Form) for Toilet Doors Removing the existing wooden/stone frame and carting it away with any lift or lead and providing cement plaster in 1:3 and fix 19mm granite door frame in stepped form in neat cement float. Provide 2" high stepped Umra and side 7" wide 3" & 4" patti with moulding and dhar (edge) polish will make granite door frame which will be fixed with necessary brass washer, aeraldite, metal hold fast, etc. All exposed edges of granite to be half rounded. Complete as directed by the Architect (Basic Cost Of Granite Rs. 2000/- Per Sq.Mt.)	25.00	RMT		0.00	

f	Granite Platform for Washbasin Counter (Basic Cost: Rs.180/sqft) Providing and fixing in position new approved coloured granite platform, granite to be not less than 19 mm thick, fixed over kaddapa stone not less than 38 mm thick with 1:1 sand cement screed or approved adhesive including cut out for SS sink of approved size, granite facia approx 75-80 mm wide to be provided with edges rounded 12mm above the platform, including chasing the wall to fix the granite complete. Kaddapa stone verticals of approved size one side polished to be stuck together with sand cement screed or approved adhesive, the exposed part will be covered with granite piece with edges rounded. Complete as directed by the Architect.	3.00	RMT		0.00	
	TOTAL OF [III] B - FLOORING & GRANITE WORKS				0.00	
C	SANITARY FITTINGS & PLUMBING DRAINAGE WORKS					
1	English WC Set with Flush Tank and Jet Spray Providing and fixing Jaquar/Hindware / Parryware Wall Hung EUROPEAN W.C. of Jaquar Continental make CNS-WHT-353S or Hindware make Etios 20096 or Parryware Cardiff C0770 or equivalent as approved by the Architect with following accessories as mentioned below. Flush Tank, Cistern CNS-WHT-353 N&S Jaquar Continental make or equivalent as approved by the Architect. Angle Cock CON-053KN Jaquarmake or equivalent as approved by the Architect.					

	<p>Stop Cock CON-087 KN Jaquar make or equivalent as approved by the Architect/NIA.</p> <p>PVC connector ALD-805B Jaquar make or equivalent as approved by the Architect.</p> <p>2 way Bib Cock CON-041 KN Jaquar make or equivalent as approved by the Architect.</p> <p>Jet Spray ALD-565 Jaquar make or equivalent as approved by the Architect.</p> <p>Health Focet CHR-593 N. Jaquar make or equivalent as approved by the Architect. Complete as directed by the Architect.</p>	2.00	Nos.		0.00	
1	<p>Counter Top Wash Basin Providing and fixing Table Top Washbasin Set of Jaquar make or equivalent such as Hindware/Parryware as approved by the Architect.</p> <p>i) P&F in position Table Top Washbasin of Jaquar Solo Series make having model no. SLS-WHT-6901 or equivalent such as Hindware/Parryware as approved by the Architect with following accessories as mentioned below. P&F necessary accessories/fittings of Jaquar Continental Series make or equivalent such as Hindware/Parryware make as approved by the Architect -In-Charge with the following specifications:</p> <p>ii) P&F Pillar Cock with Extension Body of Jaquar Opal Prime Series having model no. OPP-CHR-15021PM or equivalent as approved by the Architect</p> <p>iii) P&F 2 Nos. of Angular Stop Cock with Wall Flange of Jaquar Continental Series make having model no. CON-CHR-053KN or equivalent as approved by the Architect</p> <p>iv) P&F Waste Coupling of Jaquar make having model no. ALD-727 or equivalent as approved by the Architect</p> <p>v) P&F Bottle Trap of Jaquar make</p>					

	having model no. ALD 769L250x190 or equivalent as approved by the Architect					
	vi) P&F P.V.C. Connector of Jaquar make having model no. ALD 805B or equivalent as approved by the Architect Complete with necessary fittings as per product specification and as directed by the Architect.	1.00	NOS.		0.00	

3	<p>Wall Hung Washbasin Set in Toilets Providing & Fixing Wall Hung Wash basin set of Cera make having model no. California S2040158 or equivalent such as Jaquar/Hindware/ Parryware or equivalent make with following accessories as approved and directed by the Architect.</p> <p>P/F Waste Coupling: ALD-709 Jaquar make or equivalent as approved by the Architect/NIA.</p> <p>Pillar cock: CODE: CON-CHR-011KN Jaquar make or equivalent as approved by the Architect/NIA.</p> <p>Bottle Trap: ALD-CHR-769L250X190 Jaquar make or equivalent as approved by the Architect/NIA.</p> <p>Angle cock: CON-CHR-053KN Jaquar make or equivalent as approved by the Architect/NIA.</p> <p>PVC Connector: ALD-CHR-805B Jaquar make or equivalent as approved by the Architect.</p> <p>Necessary coordination with electrical contractor for sensor electrical work to be done as per manufacturers specification. Complete as directed by the Architect.</p>	2.00	Nos.		0.00	
4	<p>Urinal Providing & Fixing Urinal set of Jaquar URS-WHT-13261 make/Hindware make Corto/ Parryware make Astute or equivalent make with following accessories as directed by the Architect. Angle Cock CON-053KN Jaquar make or equivalent as approved by the Architect. Provide necessary accessories like waste pipe, etc. for the same. Complete as directed by the Architect/ .</p>	2.00	Nos.		0.00	
5	<p>Sanitary Fittings Providing and fixing CP sanitary fittings of Jaquar make or equivalent as approved by the Architect as follows:</p>					

a	Toilet Roll Holder P/F of Toilet Roll Holder with Flap of approved make as approved by the Architect. Complete as directed by the Architect.	2.00	NOS.		0.00	
b	Towel Ring P/F of Towel Ring of approved make as approved by the Architect. Complete as directed by the Architect.	2.00	NOS.		0.00	
c	Double Coat Hook P/F of Double Coat Hook of approved make as approved by the Architect. Complete as directed by the Architect.	4.00	NOS.		0.00	
d	Nahani Trap P/F of Nahani Trap (Chili Trap) of approved make as approved by the Architect. The contractor should properly fill up the joints complete as directed by the Architect. Complete as directed by the Architect.	4.00	NOS.		0.00	
e	Soap Dispenser P/F of Soap Dispenser of approved make as approved by the Architect. Complete as directed by the Architect.	2.00	NOS.		0.00	
f	Mirror above Washbasin Providing 75mm x 600mm x 750mm ht T.W frame & provide 6mm Marine ply frame & fix 5mm thk mirror to be fixed with necessary 50mm x 50mm T.W. beeding to be polished in mellamine finish or 1mm thk laminate finish as approved by the Architect. Complete as per design and direction of the Architect.	10.00	SQMT		0.00	

7	<p>Plumbing Work</p> <p>The supply should be taken from outside main source of supply pipe. Supply & erection of required Dia.& required length CPVC such as 12mm/19mm (Prince, Astral, Supreme) pipes confirming to ASTM standard for Raw water system including all CPVC fittings like tees, elbows, bends, unions, MTA,coupling, reducer tees, collars, pipe dummy, stop cock, fittings etc. The work shall include cutting jointing with CPVC solvent cement pressure testing the joints / pipeline for 7 kg/sq.cm hydraulic pressure, for 2 hours etc. making holes, including chasing in existing walls RCC Pardi with groove cutting machine to required width and depth, making bores in walls and RCC slabs, making good the walls and bores in CC or CM 1:3 as applicable clearing the debris, grouting of concealed pipes with chicken wire mesh, MS hooks for fixing pipes and making good the wall sand floors. Provide Jaquar make Stop cock continental series as selected by the Architect. The rate is inclusive of carrying out plumbing work for the both the Ladies and Mens toilet and each will be considered as one job. The contractor should check relevant drawing & site conditions. Complete as directed by Architect/ .</p>	2.00	LS		0.00	
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8	<p>Plumbing Work for Wash basin in Ladies and Gents Toilet</p> <p>The supply should be taken from outside main source of supply pipe. Supply & erection of required Dia.& required length CPVC such as 12mm/19mm (Prince, Astral, Supreme) pipes confirming to ASTM standard for Raw water system including all CPVC fittings like tees, elbows, bends, unions, MTA,coupling, reducer tees, collars, pipe dummy, stop cock, fittings etc. The work shall include cutting jointing with CPVC solvent cement pressure testing the joints / pipeline for 7 kg/sq.cm hydraulic pressure, for 2 hours etc. making holes, including chasing in existing walls RCC Pardi with groove cutting machine to required width and depth, making bores in walls and RCC slabs, making good the walls and bores in CC or CM 1:3 as applicable clearing the debris, grouting of concealed pipes with chicken wire mesh, MS hooks for fixing pipes and making good the wall sand floors. Provide Jaquar make Stop cock continental series as selected by the Architect. The rate is inclusive of carrying out plumbing work for all the washbasins in mens toilet and ladies toilet and the entire work will be considered as one job. The contractor should check relevant drawing & site conditions. Complete as directed by Architect/ .</p>	1.00	LS		0.00	
9	<p>Plumbing Work for Urinal in Gents Toilet</p> <p>The supply should be taken from outside main source of supply pipe. Supply & erection of required Dia.& required length CPVC such as</p>					

	<p>12mm/19mm (Prince, Astral, Supreme) pipes confirming to ASTM standard for Raw water system including all CPVC fittings like tees, elbows, bends, unions, MTA, coupling, reducer tees, collars, pipe dummy, stop cock, fittings etc. The work shall include cutting jointing with CPVC solvent cement pressure testing the joints / pipeline for 7 kg/sq.cm hydraulic pressure, for 2 hours etc. making holes, including chasing in existing walls RCC Pardi with groove cutting machine to required width and depth, making bores in walls and RCC slabs, making good the walls and bores in CC or CM 1:3 as applicable clearing the debris, grouting of concealed pipes with chicken wire mesh, MS hooks for fixing pipes and making good the wall sand floors. Provide Jaquar make Stop cock continental series as selected by the Architect. The rate is inclusive of carrying out plumbing work for all the urinals in Gents toilet and the entire work will be considered as one job. The contractor should check relevant drawing & site conditions. Complete as directed by Architect.</p>	1.00	LS		0.00	
10	<p>Internal Drainage for Toilets (75mm / 100mm / 32mm) Providing & fixing PVC SWR Pipe line 6kg/cm² with necessary essentials to the drainage and water water outlet in the sunken and external area, rain water pipes with proper slope and adhesives complete with necessary fittings. The rate is inclusive of carrying out drainage work for the both the toilets and each toilet will be considered as one job. Complete as directed by the Architect.</p>	1.00	LS		0.00	

11	Internal Drainage for Washbasin (75mm / 100mm /32mm) Providing & fixing PVC SWR Pipe line 6kg/cm2 with necessary essentials to the drainage and water water outlet in the sunken and external area, rain water pipes with proper slope and adhesives complete with necessary fittings. The rate is inclusive of carrying out drainage work for washbasins of both the toilets - gents and ladies and the entire work will be considered as one job. Complete as directed by the Architect.	1.00	LS		0.00	
12	Internal Drainage for Urinals (75mm / 100mm /32mm) Providing & fixing PVC SWR Pipe line 6kg/cm2 with necessary essentials to the drainage and water water outlet in the sunken and external area, rain water pipes with proper slope and adhesives complete with necessary fittings. The rate is inclusive of carrying out drainage work for all the urinals and the entire job will be considered as one job. Complete as directed by the Architect.	1.00	LS		0.00	
50	WATER PROOFING IN LADIES & GENTS TOILET Providing and laying Water proofing treatment of Ladies & Gents Toilet to concrete & wall surface using MC Bauchemie/ FOSROC/SIKA make waterproofing compound including preparation of surface as required consisting of following operations: (a) Applying with non shrink cementitious grout with slurry into the cracks concrete surface of sunken slab and wall sides etc. Proper sealing of all joints of sanitary /waste water pipes in the sunken part. (b) Laying brick bats with mortar using broken bricks/brick bats ; cement mortar 1:5 admixed with water proofing compound in the sunken portion totally & Finishing with mortar. Treating the adjoining walls with waterproofing coating including rounding of junctions of walls and slabs.	14.00	SQMT		0.00	

	<p>(c) After two days of proper curing applying a Cement mortar second top finish mortar mix coat of 20 mm thick mix 1:5 with water proofing compound) and proper sealing of all joints of pipes etc.</p> <p>(d) The whole area under waterproofing treatment shall be flooded with water for a minimum period of two weeks for curing and for final test.</p>					
	TOTAL OF [III] C -SANITARY & PLUMBING DRAINAGE WORKS				0.00	
	SUMMARY OF CIVIL WORK OF NEW INDIA ASSURANCE CO. LTD'S CBO III Office					
[III] A	MASONRY WORK				0.00	
[III] B	FLOORING AND GRANITE WORKS				0.00	
[III] C	PLUMBING AND SANITARY WORK				0.00	

	TOTAL OF CIVIL WORK				0.00	
-	GRAND SUMMARY OF CIVIL FURNISHING					
I	TOTAL OF DEMOLITION WORKS				0.00	
II	TOTAL OF FURNISHING AND FURNITURE WORKS				0.00	
III	TOTAL OF CIVIL, SANITARY AND PLUMBING WORKS				0.00	
	TOTAL CIVIL FURNISHING WORK (I+II+III)				0.00	
	GST WILL BE PAID ON ACTUALS					
IV	ELECTRICAL WORK					
a	MAIN LT PANEL / DBS					
1	S/I/T/C of 200Amps 36ka TPN MCCB with enclosure in meter room. (UPS POWER / AC) Make : LEGRAND / HAGGER/ SCHNEIDER	1.00	Nos.		0.00	

2	<p>FOR LIGHTING / RAW POWER PANEL BOARD</p> <p>SITC of main LT Panel, wall/floor mounted/operated, totally enclosed vermin proof, indoor non draw out - cubicle type power panel fabricated out of 2 mm thick CRCA sheet having gasketed hinged cover on each cubicle fully powder coated/enamel painted after seven tank treatment / CPRI approved Manufacturer incorporating horizontal and vertical sleeved copper bus bars complete with all internal wiring danger board, two earthing lugs, cable chamber etc. as required housing below mentioned switchgears/ meters. (GA drawing of the panel to be got approved from the consultant)</p> <p>a) 1 Nos. 200A, TPN, MCCB, 36 ka Incomer</p> <p>b) 6 Nos. 63Amps FP MCB, 3 NOS. DP MCB</p> <p>c) 1 set TPN copper bus bar of 200A capacity.(4 pole)</p> <p>d) 1 set, RYB indicating lamp with fuses.</p> <p>e) Ameter with selector switch, 3nos. of class 1.5, 200/5A, 10.0VA CTS</p> <p>f) Volt Meter with selector switch Class.</p> <p>Make : LEGRAND / HAGGER/ SCHNEIDER</p>	1.00	Set.		0.00	
3	<p>LIGHTING DB</p> <p>SITC 8 way TPN double door DB for with 1 Nos. 63A FP MCB , 1 Nos. 63Amps 100ma FP RCCCB with 24 Nos – 6/32amps SP MCB : LEGRAND / HAGGER/ SCHNEIDER</p>	1.00	Set.		0.00	
4	<p>RAW POWER ac / DB : S/I/T/C of 8WAY TPN Double door DB WITH</p> <p>a) 1 No 63AMPS FP MCB, 1 NOS. 63AMP 100ma FP RCCB, 36 Nos. 6/32Amps SP MCB.</p> <p>Make : LEGRAND / HAGGER/ SCHNEIDER</p>	1.00	Set.		0.00	

	TOTAL				0.00	
b	<u>MV CABLES</u>					
	S/I/T/C of following sizes of PVC sheated PVC insulated Aluminium conductor armoured cable of 1.1 KV grade in trench/ duct on surface of wall, in recess on rack, in existing pipe or on clamps, nuts & bolts including supporting clamps and hardware as required.					
1	4 Core x 70 sqmm armoured cable. WITH 8SWG GI earthing. (UPS / ac mains . Make : POLYCAB / RR KABLE / FINOLEX.	40.00	Rmts.		0.00	
2	4 Core x 10 sqmm CU armoured cable for ups & RAW / UPS DB . WITH 6 SQMM WIRES FOR EARTH Make : POLYCAB / RR KABLE / FINOLEX.	20.00	Rmts.		0.00	
3	4 Core x 6 sq.mm CU armoured cable for lighting / RAW DB WITH 4 SQMM WIRES FOR EARTH. Make : POLYCAB / RR KABLE / FINOLEX.	80.00	Rmts.		0.00	
4	3 Core x 4 sq.mm CU Armoured cable SERVER DB Make : POLYCAB / RR KABLE / FINOLEX.	100.00	Rmts.		0.00	
5	6 Sqmm Single core copper flexible cable for eathing. Make : POLYCAB / RR KABLE / FINOLEX.	50.00	Rmts.		0.00	
	CABLE GLANDS & END TERMINATION WITH LUGS					
6	4 Core X 70 sqmm... Make : BRACO/ COMMET	4.00	Nos.		0.00	
7	4 Core x 10 sqmm Make : BRACO/ COMMET	4.00	Nos.		0.00	

8	4 Core x 6 sq.mm Make : BRACO/ COMMET	4.00	Nos.		0.00	
9	3 Core x 4 sq.mm Make : BRACO/ COMMET	10.00	Nos.		0.00	
	TOTAL				0.00	
c	<u>POINT WIRING</u>					
	S/I/T/C of concealed / ressed / surface light point / fan point / call bell point wiring using 600V FRLS class-2 conductor grade 3 x 1.5 Sq.mm copper conductor PVC insulated wires with 2.5sqmmx 2 wires withj 1.5 sqmm 1 wires for eath for lighting circuit of Polycab/Finolex/RR Kable (with proper color code) pulled through 20/25 mm PRECISION / CIRCLE ARK / DIAMOND MAKE MMS GRADE PVC conduits laid concealed over false ceiling or in wall chases or on the ceiling. Provide ANCHOR ROMA / LEGRAND / ALMEC modular type switch plate, switches, MS concealed back box, etc. as required as approved by the Architect.					
1	PRIMARY POINT Primary light points including the cost of 6A switch	80.00	Pts.		0.00	
2	SECONDARY POINT Secondary Light Point wiring loop from primary pts.	15.00	Pts.		0.00	

3	CALL BELL POINT As above but for call bell with 2 pin socket complete.	3.00	Pts.		0.00	
4	HALF POINT 3/5 pin 230V (6/16 Amp.) with switch socket and plug top on switch board (Half Point)	12.00	Pts.		0.00	
5	TEMPORARY CONNECTION Connection Making arrangement of providing temporary during progress of work from time to time and removing after completion of work as per direction of Architect.	job.	L.S		0.00	
	TOTAL				0.00	
d	RACE WAYS JUNCTION BOXES AND CONDUITS					
1	S/I/T/C of 12"X12" METAL JUNCTION BOXES with MS Powder coated Cover plate. As approved by the Architect.	12.00	Nos.		0.00	
2	S/I/T/C of 10"X10" METAL JUNCTION BOXES with MS Powder coated Cover plate. As approved by the Architect.	12.00	Nos.		0.00	
3	S/I/T/C of 8"X8" METAL JUNCTION BOXES with MS Powder coated Cover plate. As approved by the Architect.	5.00	Nos.		0.00	
4	S/I/T/C of 18"X18" METAL JUNCTION BOXES with MS Powder coated Cover plate. As approved by the Architect.	1.00	Nos.		0.00	

5	S/I/T/C of 24"X24" METAL JUNCTION BOXES with MS Powder coated Cover plate.	1.00	Nos.		0.00	
6	S/I/T/C 100X38X1.5MM AL FLOOR RACE WAY Make : Bansali / Jindal or equivalent or as approved by the Architect.	150.00	Rmts.		0.00	
7	S/I/T/C 75X38X1.5mm AL Floor Race way Make : Bansali / Jindal or equivalent or as approved by the Architect.	150.00	Rmts.		0.00	
8	S/I/T/C OF PRECISION MAKE 25mm PVC pipe putty for fixing of led strips.	200.00	Rmts.		0.00	
	TOTAL				0.00	
E	COMPUTER / RAW POWER CABLING & WIRING					
1	S/I/T/C of computer UPS wiring ISI mark Polycab/Finolex/RR Kable MAKE FRLS 2.5QMM x 3 CORE COPPER FLEXIBLE CABLE & looped with wires OF GRAY COLOUR /pulled through PRECISION / CIRCLE ARK / DIAMOND MAKE MMS GRADE PVC conduits / FLOOR RACE WAY / GI TRUNKING etc from UPS DB TO work staions. (max 6 work stations serverd by 1 circuit) switches, Etc. as required as approved by the Architect.	45.00	NOS.		0.00	
2	S/I/T/C of white colour ANCHOR ROMA / MK INDIA / LEGRAND / ALEMAC make 1 SET OF 1 nos 8 mod plate 3 Nos 5amps 3 Pin	45.00	Nos.		0.00	

	Socket with 1 nos Indicator Switch etc complete set.					
3	S/I/T/C of raw power wiring ISI mark Polycab/Finolex/RR Kable MAKE FRLS 2.5QMM x 3 CORE COPPER FLEXIBLE CABLE OF black COLOUR /pulled through PRECESION / CIRCLE ARK / DIAMOND MAKE MMS GRADE PVC conduits / FLOOR RACE WAY / GI TRUNKING etc from RAW DB TO work staions. (max 6 work stations serverd by 1 circuit)Etc. as required as approved by the Architect.	45.00	Nos.		0.00	
4	S/I/T/C of ANCHOR ROMA / MK INDIA / LEGRAND / ALEMAC make \ WITH 3 mod plate 1 Nos 5amps socket with 1 nos switch etc complete set.	45.00	Nos.		0.00	
5	S/I/T/C ofwhite colour ANCHOR ROMA / MK INDIA / LEGRAND / ALMEC make 1 SET OF 1 nos 8 mod plate 2 Nos 15amps 3 Pin Socket with 2 nos Indicator Switch etc complete set.	10.00	Nos.		0.00	
	TOTAL				0.00	
F	LIGHT FIXTURES.					
	Only installation charges for following light proviuded by clients. Necesssary cutouts & supports will be done by concern agencies. Only hard ware will be in contractors scope.					
1	SITC OF PHILIP S/ WIPRO / CROMPTON make 2x2 36w led light fitting.	5.00	Nos.		0.00	

2	SITC of 15W led light	80.00	Nos.		0.00	
3	SITC OF Led strip with driver.	100.00	Rmts.		0.00	
4	led putty	10.00	Nos.		0.00	
	TOTAL				0.00	
	<u>SUMMARY</u>					
a	MAIN LT PANEL / DBS				0.00	
b	MV CABLES				0.00	
c	POINT WIRING				0.00	
d	JUNCTION BOXES AND CONDUITS				0.00	

e	COMPUTER CABLING & WIRING				0.00	
f	LIGHT FITTINGS.				0.00	
	Total Electric Work				0.00	
[V]	TELEPHONE & NETWORKING WORK					
a	<u>WIRING FOR TELEPHONE</u>					
1	MAIN INCOMING CABLE S/I/T/C of 20 pair unarmoured cable multi pair copper PVC insulated and sheathed telephone cables with PVC pipe of required size with necessary accessories complete from Main Junction to Premises. Make : polycab / delton/ rr	30.00	METE R		0.00	
2	TAG BLOCKS S/I/T/C of 50 pair MDF with Krone module including all hardware & accessoried & MS enclosure, etc. complete as required. Main Distribution Frame (MDF) / Box 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	EACH		0.00	

3	S/I/T/C of CAT 6 Wires from EPABX to Each work Stations. Make : D LINK/ DIGI SOL	1100.00	Rmts.		0.00	
4	S/I/T/C of RJ 45 anchor roma make tele socket	40.00	Nos.		0.00	
	TOTAL OF WIRING FOR TELEPHONE				0.00	
b	NETWORK WIRING CAT 6 A CABLE WITH ALL ACCESSORIES IN A SERIES ONLY.					
1	S/I/T/C of D link make Cat 6 cable for data from server room to individual work stations. Make : D LINK/ DIGI SOL	1400.00	Rmts.		0.00	
2	S/I/T/C of CAT 6 IO with PLATE & Box Make : D LINK/ DIGI SOL	45.00	Nos		0.00	
3	S/I/T/C of CAT 6 1 Rmts Patch Chord. Make : D LINK/ DIGI SOL	45.00	Nos		0.00	
4	S/I/T/C of CAT 6 2 Rmts Patch Chord. Make : D LINK/ DIGI SOL	45.00	Nos.		0.00	
5	S/I/T/C of D LINK MAKE 24 port Patch Panel (Make D LINK / COMMScope) also charges includes for patching FROM SWITC TO JACK PANEL & termination of of jack panels in rack etc complete with proper DRESSING IN RACK connection Make : D LINK/ DIGI SOL	2.00	Nos.		0.00	

6	Network server Rack with all standard accessories also requires following accessories. etc of with all standard accessories	1.00	Nos.		0.00	
	TOTAL OF NETWORKING				0.00	
	<u>SUMMARY</u>					
a	WIRING FOR TELEPHONE				0.00	
b	NETWORK WIRING				0.00	
	Total Telephone & Networking Work				0.00	
[VI]	FIRE DETECTOR SYSTEM WITH ALL ACCESSORIES					
1	4 Zone Control Panel With Battery Supply, installation & commissioning of Microprocessor based analogue type Fire Detection & Alarm (FDA) panel with battery for Networkable fire alarm control panel, with necessary, LCD display, access levels and event historical logging. FDA panel shall support Ethernet based communication with existing PLC SCADA System using MODBUS TCP/IP or similar open protocol.	1.00	EACH		0.00	

	System shall have necessary provision for hooking it to the main control room. Complete as directed by the Architect. (Make- Morley Honeywell)					
2	Supply, installation & commissioning of Analogue smoke Detector with mounting base compatible/approved by Fire Alarm Control Panel (FACP) (Make- Morley Honeywell)	17.00	EACH		0.00	
3	Supply, installation & commissioning of Analogue heat detectors with mounting base compatible/approved by FACP. Complete as directed by the Architect. (Make- Morley Honeywell)	1.00	EACH		0.00	
4	Supply, installation & commissioning of sounder/Hooter compatible/approved by FACP. Complete as directed by the Architect.(Make- Morley Honeywell)	3.00	EACH		0.00	
5	Supply, installation & commissioning of Manual Call Point (MCP) compatible/approved by FACP. Complete as directed by the Architect. (Make- Morley Honeywell)	3.00	EACH		0.00	
6	Supply, installation & commissioning of Response Indicator compatible/approved by FACP. Complete as directed by the Architect. (Make- Morley Honeywell)	10.00	EACH		0.00	
7	Supply & erection of Armored FRLS,1.5mm x 2 core, Twisted pair, Armored cable with Good cable management system. Complete as directed by the Architect. (Make-Polycab)	600.00	RMT		0.00	
	TOTAL OF FIRE DETECTOR SYSTEM WITH ALL ACCESSORIES				0.00	

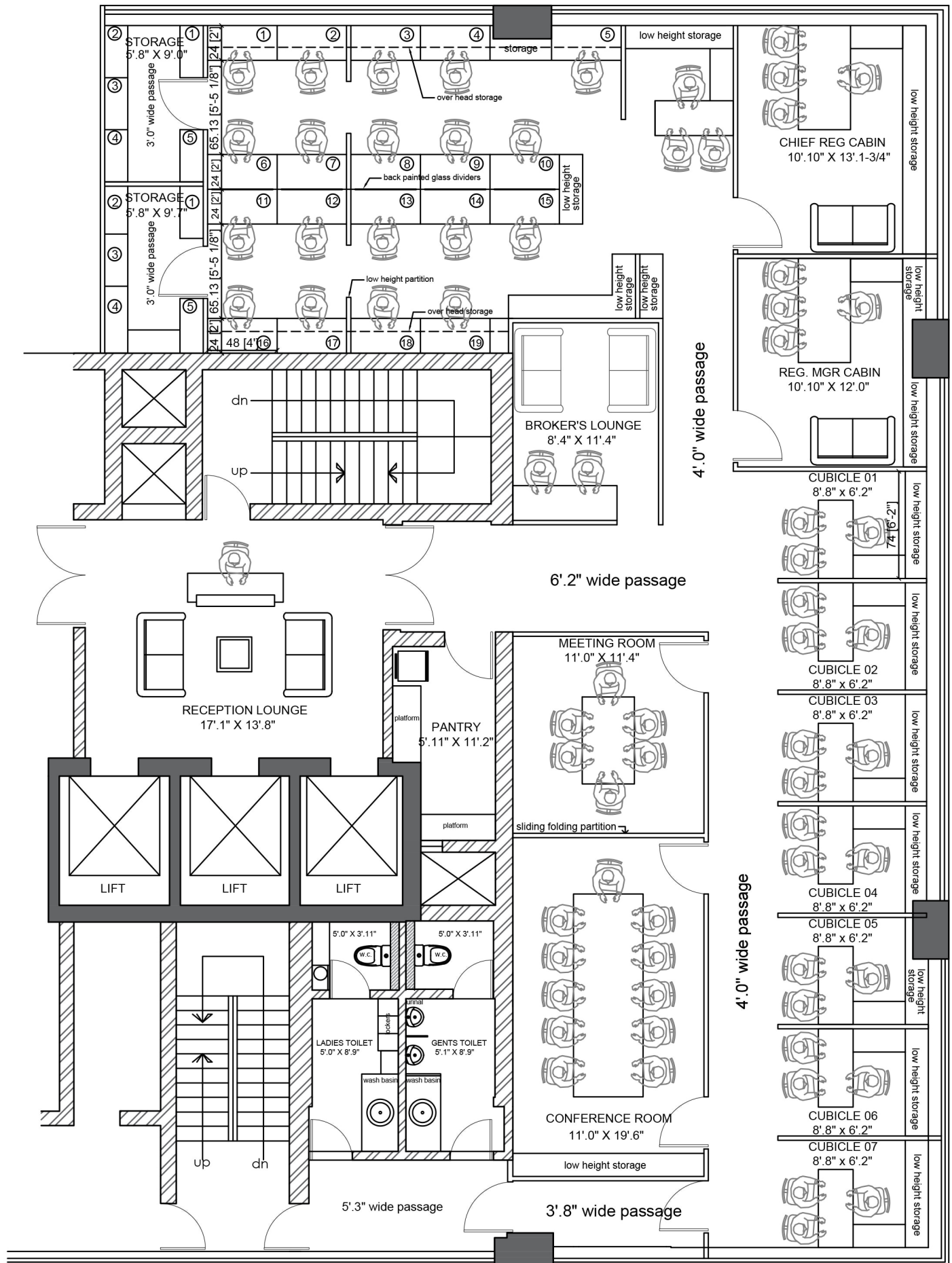
[VII]	C.C.T.V. SYSTEM.					
1	<p>IP CAMERAS S.I.T.C. of 4MP Motorized varifocal IR Dome Camera (indoor) and bullet (at outdoor), 1/2.8" CMOS Sensor, Compression H.264, H.264h,H265,H265+. Encoding - 4 Streams, Motorized Lens:2.8mm / 12mm, Protection IP67,IK10, Interoperability ONVIF, MicroSD Slot up to 128GB(min),Built in Mic with audio compression, Alarm I/O , Alarm events: Tripwire/Perimeter/Crowd/Foreign & Missing Object/ Fast Moving etc., NIR,WDR,3DDNR, HLC, Dual-ICR, AWB, AGC, BLC,1/1ch Audio I/O, 2/1ch, , USB, Built-in Mic, PoE, DC12V/AC24V, TVS 6000V Protection, MicroSD Slot up to 128GB, Material: Metal, IP66, IK10. Power supply12VDC/PoE/ePoE Operating Temp -40 to +60Degree Celsius, Humidity <95%, Complete as directed by the Architect. Make: AXIS/ ADOR / BOSCH / SAMSUNG/SONY/HONEYWELL/SIE MENS</p>	8.00	NOS.		0.00	
2	<p>CAT - 6 A CABLEING WORK S/I/T/C of D link make Cat 6 A cable for data in precision make MMS grade conduits For Camera fixed in revised location as shown by the Architect. CAT 6a UTP cable solid cable, Conductor : 23 AWG (Solid) , META : Bare Copper, Insulation Material : HD-PE, OD : 61.mm +- 0.2 , Resistance Unbalance : 5% Max, Capacitance Unbalance : 330pF/100m, Delay Skew : < 45Ns ISO/IEC 11801 complied. Make: (Make D-link, Molex, Commscope, Finolex, R&M)</p>	600.00	RMT		0.00	

3	SWITCH FOR NETWORK AND COMMUNICATION S/I/T/C Switch MAKE : D-LINK 24 /16 -Port Gigabit Smart Managed PoE Switch, MODEL : DGS1210-28P,24 x 10/100/1000BASE-T PoE ports,4 x Gigabit RJ45/SFP Combo ports, Advanced L2 switching and security features,L2+ Static Routing, Optional “standard mode” or “surveillance mode” management user interface,193 W PoE budget. Complete as directed by the Architect.	1.00	NOS.		0.00	
4	Carefully Disconnecting , removing all the existing CCTV Camera's, their Power, Video Cables , Storing them at a suitable safe place & re-installation at the locations shown by the Architect / Consultant / Clients representative and handing over to Security Department of GITC building.	1.00	JOB		0.00	
5	RACK FOR SWITCH MOUNTING S/I/T/C Providing and fixing (4U/6U/9U) racks for housing NVR and switches as approved by the Architect/NIA.	1.00	SET		0.00	
	TOTAL OF C.C.T.V. SYSTEM.				0.00	
[VIII]	AIRCONDITIONING					
	Note; 1. Each vendor to specify the Make of A.C. they propose to supply. 2. Common drain pipes of Cassette / Split A.C.'s be terminated in any toilet Nahni traps OR else be terminated from external wall up to ground. A.C.'s with COPPER Condenser & Evaporator coils only to be supplied. 3. Pl. enclose Technical Brocher of quoted A.C.'s. 4. As built layout drawing of Refrigerant & Drain Piping has to be attached with Final Bill.					

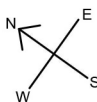
	MAKE : Blue-Star, Hitachi, Carrier, etc.					
1	Supply, Installation, Testing & Commissioning of a 3 Ton Ceiling mounted “Cassette” Air- Conditioner by cutting false ceiling & comprising of Indoor & Outdoor units. The Indoor unit comprising multi-row DX cooling coil, Drier, expansion valve/device , air blower driven by motor with mounting accessories. Outdoor unit will comprise the Rotary/Scroll compressor, condenser coil & fan, Cordless remote controller etc. including Refrigerant gas charging , water drain system etc.	3.00	NO.		0.00	
2	S.I.T.C. of 2 Ton Cassette A.C. as per specifications given in item no 1 above .	2.00	NO.		0.00	
3	S.I.T.C. of 1.5 Ton Cassette A.C. as per specifications given in item no 1 above .	1.00	NO.		0.00	
4	S.I.T.C. of 3 Star 1.5 Ton capacity Inverter High wall mounted Split A.C. comprising Indoor & Out-door units. Indoor unit comprising Multi Row DX cooling coil, expansion valve, drier, motor driven air-blower with metallic frame etc. Out-door unit will have rotary/scroll compressor, condenser coil, & fan, Cordless remote control unit etc. including refrigerant gas charging.	2.00	NO.		0.00	

5	S.I.T.C. of 19 mm dia & 16 mm dia Copper Refrigerant Pipes with Foam insulation between Indoor & Out door units.with breaking of wall wherever required for 2-3-4 Tr Cassette/ Inverter Air conditioners.	100.00	Mtr.		0.00	
6	S.I.T.C. of 12.5 Sq.mm. & 6.25 Sq.mm. dia. Copper refrigerant pipe with foam Insulation between Indoor & Out door units with breaking of wall for making hole wherever required For Split Air- Conditioners.	50.00	Mtr.		0.00	
7	S.I.T.C. of 3xCopper conductor flexible cable between Indoor & Outdoor Unit through holes made as above for Cassette / Inverter A.C.	90.00	Mtr.		0.00	
8	S.I.T.C. of copper conductor flexible cable between Indoor & Outdoor units through holes as made above for Split A.C.'s.	6.00	Mtr.		0.00	
9	S.I.T.C. of 19/25 mm. PVC conduit pipe to be used as a drain water pipe. Through holes as made above.	120.00	Mtr.		0.00	
10	S.I.T.C. of 50 mm. PVC conduit pipe to be used for fresh air inlet with all accessories including hangers as per the direction of the Architect. The rate includes necessary core cutting. Complete as directed by the Architect.	100.00	Mtr.		0.00	
11	S.I.T.C. of L shape / suitable shape M.S. Frame stand for mounting Outdoor Units on wall / On floor with all fixing hardwares. Within above Catwalk for cassette & split A.c.'s.	8.00	NO.		0.00	
12	S.I.T.C. of Drain Pump (If required)	1.00	NO.		0.00	

	TOTAL OF AIRCONDITIONING WORK				0.00	
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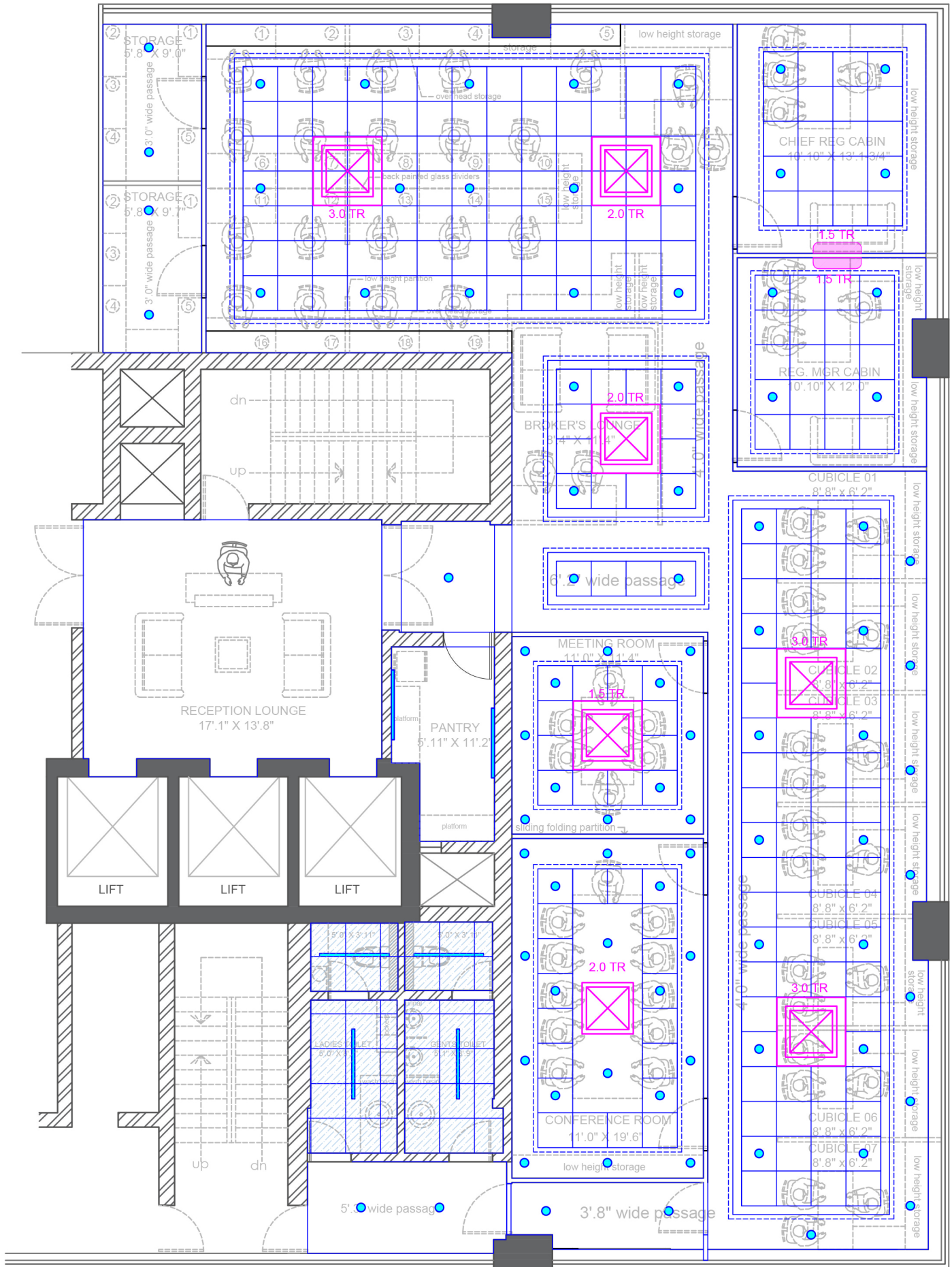
**PROPOSED INTERIOR LAYOUT OF
NEW INDIA ASSURANCE CBO III OFFICE
AT BKC**



Revision Date:
20.05.2024
27.05.2024
29.05.2024

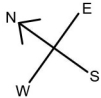
DRG NO:
AA/NIA/BKC/01
DRAWN BY:
AKSHATA
CHECKED BY:
RAMESH SHENOY

PRADIP SHENOY. AKSHATA SHENOY. RAMESH SHENOY.
ARCHITECTS APPROACH
20, SHREEDHAR, HANUMAN ROAD, VILE PARLE (EAST),
MUMBAI - 400 057. TELE: 022-35113986, 022-35113988.



FINAL

**PROPOSED CEILING LAYOUT OF
NEW INDIA ASSURANCE CBO III OFFICE
AT BKC**



Revision Date:
20.05.2024
27.05.2024
29.05.2024

DRG NO:
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