



Tender Document

FOR

Refurbishment and Renovation of approximately 10,235 sq. ft. of space on Jeevan Bharati Building, Connaught Place, New Delhi into office complex for National Health Authority

Issued by: National Health Authority

Published Date: 16th August 2019

Tender Reference No.: S-12012/29/2019-NHA

Bid Information Sheet

1.	Name of Work	Refurbishment and Renovation of approximately 10,235 sq. ft. of space on Jeevan Bharati Building, Connaught Place, New Delhi into office complex for National Health Authority
2.	Bid Reference Number	S-12012/29/2019-NHA
3.	Earnest Money Deposit	Amount of the tender security:- Rs. 25,00,000/- (INR Twenty Five Lakhs Only). A scan copy of EMD to be uploaded along with bid documents on CPPP (central public procurement portal) and original to be submitted at NHA.
4.	Bid processing fee *(Non-Refundable)	25,000/- (INR twenty five thousand only) Non-Refundable
5.	Name of the contact details of Bid Inviting Authority	Mr. B. K. Datta General Manager (Administration) 7 th Floor, Tower I, Jeevan Bharati Building, Connaught Place, New Delhi-110001 Email: bk.datta@nic.in Ph No. <u>011-23468777</u> (O)
6.	Pre-bid Meeting and site visit	11 am onwards 22 nd August 2019 at National Health Authority office
7.	Last date of Seeking Clarification	On or before 5 pm, 22 nd August 2019
8.	Last date of issuing Corrigendum or revised Bid Document (if required)	23 rd August 2019
9.	Method of Selection	Two Stage (two bid system) - a) Technical evaluation b) Financial evaluation
10.	Last date and time for submission of bids (Bid due date)	On or before 6 pm, 30 th August 2019
11.	Last date and time for submission of original of the following documents <ul style="list-style-type: none"> • Original demand draft or banker's cheque – bid processing fee • Original EMD • Original power of attorney in favour of authorized signatory (scan copy of each of the documents to be uploaded on CPPP)	Documents which are to be submitted in original are required to be submitted in original in one envelope (sealed) and to be deposited in drop box at National Health Authority 9th Floor Tower I, Jeevan Bharati Building, Connaught Place, New Delhi-110001
12.	Bid Validity	120 days
13.	Mode of submission of bids	Bidders are to upload their Bids on the e-procurement portal. Submission of Bids through any other mode will not be accepted.

14.	Address for submission of Bids	The Bidders shall upload their Proposal through e-procurement platform. No other mode of submission is permitted. The Bidding is through website www.eprocure.gov.in . Detailed guidelines for viewing bids and submission of online bids are given on the following weblink https://eprocure.gov.in/eprocure/app?page=HelpForContractors&service=page
15.	Date and time of Opening Technical Bids	11 am onwards on 2 nd September 2019
16.	Date and time of Opening Financial Bids	5 pm onwards on 3 rd September 2019
17.	Issue of Letter of Award (LOA)	4 th September 2019
18.	Acceptance of LoA by the bidder	2 days from the date of issuance of the LOA
19.	Signing of Contract	2 days from the acceptance of the LOA

Disclaimer

The information contained in this Tender Document or subsequently provided to the Bidders, whether verbally or in documentary or in any other form by or on behalf of the Purchaser or any of its employees or advisors, is provided to the Bidders on the terms and conditions set out in this TENDER DOCUMENT and all other terms and conditions subject to which such information is provided.

This TENDER DOCUMENT is not an Agreement and is neither an offer nor an invitation by the Purchaser to the Bidders or any other person. The purpose of this TENDER DOCUMENT is to provide interested parties with information that may be useful to them in the formulation of their Proposals. The information contained in this TENDER DOCUMENT has been provided to the best of knowledge and in good faith. However, the information may not be complete and accurate in all respects and may not be exhaustive. Specifically, the information regarding business processes provided in this TENDER DOCUMENT is based on the interim decisions taken by the National Health Authority (NHA) and is expected to undergo changes in future. This TENDER DOCUMENT includes statements which reflect various assumptions and assessments arrived at by NHA in relation to the project. Information provided in this TENDER DOCUMENT is on a wide range of matters, some of which depends on the interpretation of law. The information is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law.

While reasonable care has been taken in providing information in this TENDER DOCUMENT, the Bidders are advised not to rely on this information only but also carry out their independent due diligence and risk assessments before submitting their response to this TENDER DOCUMENT. Further, the Bidders are advised to conduct their own analysis of the information contained in this TENDER DOCUMENT, carry out their own investigations about the project, the regulatory regime which applies thereto and all matters pertaining to NHA and to seek their own professional advice on the legal, financial and regulatory consequences of entering into an agreement or arrangement relating to this TENDER DOCUMENT.

The information contained in this TENDER DOCUMENT is subject to update, expansion, revision and amendment prior to the last day of submission of the bids at the sole discretion of NHA. Neither NHA nor any of its officers, employees nor any advisors nor consultants undertakes to provide any Bidder with access to any additional information or to update the information in this TENDER DOCUMENT.

NHA, its employees and advisors make no representation or warranty and shall have no liability of any nature to any person including any Bidder or Vendor under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this TENDER DOCUMENT.

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1 Invitation for Bids

National Health Authority

August 2019

New Delhi

National Health Authority (hereafter referred to as NHA), an attached office of Ministry of Health and Family Welfare (MoHFW) for implementation of Ayushman Bharat – Pradhan Mantri Jan Aarogya Yojana (AB-PMJAY) at operational level having its Office at Jeevan Bharti Building, Tower I, 7th & 9th Floor, New Delhi invites responses (“Bids”) to this TENDER DOCUMENT from experienced and reputed eligible Bidders for refurbishment and renovation of approximately 10,235 Sq. ft. space in Tower I of Jeevan Bharati Building, Connaught Place, New Delhi into office complex for NHA. Duration in which this activity is to be carried out is 80 days after signing of the contract with maintenance for 365 days from date of handing over of the Office space to NHA.

Interested Bidders are advised to study this TENDER DOCUMENT carefully before submitting their bids in response to this TENDER DOCUMENT. Submission of a proposal in response to this TENDER DOCUMENT shall be deemed to have been done after careful study and examination of this document with full understanding of its terms, conditions and implications.

All the relevant timelines and due dates are mentioned in the Bid Information Sheet. Proposals must be received not later than time, date and venue mentioned in the Bid Data Sheet. Proposals received after the deadline will not be considered and will be rejected. Bidder will be selected as service providers as per the procedures described in this TENDER DOCUMENT.

General Manager (Administration)

National Health Authority,

New Delhi – 110001

2 Section I – Invitation to Bid & Introduction

2.1 Part I – Invitation to Bid

1. National Health Authority (NHA) invites bids from reputed and reliable firms/contractors for refurbishment and renovation of approximately 10,235 Sq. ft. space in Tower I of Jeevan Bharati Building, Connaught Place, New Delhi into office complex for NHA as per specifications and guidelines provided in the Tender Documents.
2. Bidders are advised to study the Bid document carefully.
3. Bidder shall not tamper/modify the tender form including downloaded price bid template in any manner. In case if the same is found to be tampered/ modified in any manner, tender will be completely rejected and EMD would be forfeited and bidder is liable to be blacklisted by NHA.
4. Not more than one tender shall be submitted by one bidder or bidders having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e. when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.
5. Intending bidders are advised to visit <https://eprocure.gov.in/cppp/> and also NHA's website: <http://pmjay.gov.in> regularly especially prior to bid due date for submission of tender for any corrigendum/ addendum/ amendment and other bid related updates.
6. Hard Copy of original documents mentioned in SN 11 of Bid Information Sheet and also Part II of Section-II of TENDER DOCUMENT shall be submitted physically on given address. All required original documents to be put in one envelope and at the top center of the envelope following details must be mentioned
"Original Instrument for refurbishment and renovation of approximately 10,235 Sq. ft. space in Tower I of Jeevan Bharati Building, Connaught Place, New Delhi into office complex for NHA. Bid Reference Number S-12012/29/2019-NHA"
Bids will be rejected in case of non-receipt of original documents as indicated in the Bid Information Sheet.
7. Bids will be opened as per date/time as mentioned in the Data Sheet of Part II of Section II of the TENDER DOCUMENT .
The Bidders shall upload their Proposal through e-procurement platform. No other mode of submission is permitted.
8. NHA shall shall not be responsible for any delays, in submission of Bids, loss or non-receipt of Bids for any reason whatsoever.
9. The Tender Document consists of 5 Sections as mentioned below:
 - a. Section I Invitation to Bid and Introduction
 - b. Section II Instructions to Bidders
 - c. Section III Scope of Work
 - d. Section IV General Conditions & Special Conditions of Contract
 - e. Section V Annexures and Appendices
10. The response to the TENDER DOCUMENT should be submitted on or before the date and time specified in the schedule for TENDER DOCUMENT in Data Sheet (Part II of Section-II).
11. NHA reserves the right to reject any or all the Bids in whole or part without assigning any reasons.
12. This 'Invitation to Bid' is non-transferable under any circumstances.
13. Address for Communication:

**General Manager (Administration),
Jeevan Bharti Building, 9th floor, tower-1
National Health Authority
Government of India
New Delhi – 110011**

2.2 Part II – Introduction

1. National Health Authority (hereafter referred to as NHA), an attached office of Ministry of Health and Family Welfare for implementation of Pradhan Mantri Jan Arogya Yojana (PM-JAY) at operational level having its Office at Jeevan Bharti Building, 7th and 9th floor, Tower-1, Jivan Bharati Building, New Delhi-110001 invites responses (“Bids”) through this TENDER DOCUMENT .
2. This Tender Document is therefore intended to invite bids from reputed and reliable agencies/contractors for refurbishment and renovation of approximately 10,235 Sq. ft. space in Tower I of Jeevan Bharati Building, Connaught Place, New Delhi into office complex for NHA .
3. Vendor/contractor will have to carry out the task on turn key basis as per specifications and guidelines provided in the TENDER DOCUMENT.

2.3 Part III – Glossary & Acronyms

2.3.1 Glossary of Terms

1. National Health Authority – NHA
2. The term ‘Tender’ and ‘RFP’ and ‘Tender Document’ has same meaning in the document

2.3.2 Acronyms

1. NHA- National Health Authority
2. AB – Ayushman Bharat
3. PM-JAY – Pradhan Mantri Jan Arogya Yojana
4. TENDER DOCUMENT – Tender Document
5. SoW – Scope of Work
6. SLA – Service Level Arrangements
7. GC – General Conditions
8. SC – Special Condition
9. BOQ – Bill of Quantities
10. PBG- Performance Bank Guarantee
11. GST – Goods & Service Tax
12. EMD – Earnest Money Deposit
13. MSE – Micro & Small Enterprise
14. MeitY – Ministry of Electronics & Information Technology
15. DIPP – Department of Industrial Policy & Promotion
16. GFR – General Financial Rules
17. ISO – International Standards Organization
18. MIS – Management Information System
19. SLA – Service Level Agreement
20. NHCPs: National Health Care Provider

3 Section II – Instructions to Bidders

3.1 Part I – General

3.1.1 Definitions

1. "Bid" means the bidders response to pre-qualification, technical and commercial requirements as stated in this TENDER DOCUMENT.
2. "Bidder" means any entity that may provide or provides the Services to the NHA under the Contract.
3. "Instructions to Bidders" (Section II of the TENDER DOCUMENT) means the document which provides interested Bidders with information required to prepare their bids. This document also details out the eligibility criteria and process for the selection of the Service Provider. Bidders are encouraged to contact NHA, conduct necessary fact finding for any further details, by themselves at their end.
4. "Service Providers" means the Bidder/s or Contractor that have been selected by the NHA for execution of the services.
5. "Scope of Work" (SoW) explains the objectives, scope of work, activities, tasks to be performed and the respective responsibilities of the Purchaser and the Service Provider. It also includes the Service Level Agreement (SLA). A complete elaboration is available in Section III of the TENDER DOCUMENT .
6. "Standard Contract" means the Section IV of the TENDER DOCUMENT which provides the standard contract agreement to be signed between the Purchaser and the selected Service Provider.
7. "Confidential Information" means any information disclosed to or by any Party to this Contract and includes any information in relation to the Parties, a third party including any such information that may come to the knowledge of the Parties hereto/Bidder's team by virtue of this Contract that is by its nature confidential or by the circumstances in which it is disclosed confidential and/or is designated by the disclosing Party as confidential or identified in terms connoting its confidentiality; but does not include information which is or becomes public knowledge other than by a breach of this Contract.
8. "Sub-Contractor" means any person or persons or firm/NHA or their legal representatives, successors, assignees to which part of contract has been sublet by the successful bidder after necessary consent of NHA.

3.1.2 Procedure for Submission of Bids

- 3.1.2.1 The Bidders shall upload their Proposal through e-procurement platform. No other mode of submission is permitted. The Bidding is through website [www. eprocure.gov.in](http://www.eprocure.gov.in). Detailed guidelines for viewing bids and submission of online bids are given on the following weblink <https://eprocure.gov.in/eprocure/app?page=HelpForContractors&service=page>
- 3.1.2.2 The authorized signatories of the prospective Bidders are required to register on the portal. The authorized signatories of the Bidders must have an ID and Digital Signature Certificate (DSC) from designated firms listed on the e-procurement portal and register with the website using the allotted ID and DSC.
- 3.1.2.3 Bidders are requested to go through the instructions provided on the e-procurement portal carefully and submit the required information without exception to avoid the risk of rejection of Bids
- 3.1.2.4 All the documents submitted as part of the Bid are required to be signed digitally by the Bidder. After submission of the Proposal the Bidder will be provided with a system generated, time stamped unique reference number which shall be treated as acknowledgement of bid submission.
- 3.1.2.5 Any interlineations, erasures, or overwriting will be valid only if they are signed by the authorized signatory of the Bidder.
- 3.1.2.6 The Authority shall not be responsible for any delays, in submission of Bids, loss or non-receipt of Bids

3.1.3 General

1. All the provisions listed out in the Tender Document issued by the NHA shall be binding upon the participating bidders.
2. NHA will select Service Providers, in accordance with the method of selection as detailed in Part-IV of Section-II "Selection Process".
3. The detailed scope of the assignment/job has been described in the Scope of Work in Section III of TENDER DOCUMENT.
4. The date, time and mode of submission of the bid have been given in Data Sheet at Part II of Section-II of TENDER DOCUMENT.
5. Interested Bidders are invited to submit the documents for Technical Bid and Financial Bid strictly as per Part V of Section II – "Instructions on Bid Preparation and document checklist".
6. NHA is not bound to accept any or all the bids and reserves the right to annul the selection process at any time prior to Contract award, without thereby incurring any liability to the Bidders and assigning any reason to the bidder.

3.1.4 Only One Bid

A Bidder shall submit only one Financial Bid. If a Bidder submits or participates in more than one bid, such bids shall be disqualified.

3.1.5 Bid Validity

The Part II of Section-II 'Data Sheet' indicates the period for which the Bidders' Bid must remain valid after the submission date.

3.1.6 Consortium and Sub-Contracting

Bids received from Consortiums will be rejected. Sub-contracting of any work resulting from the tender is not allowed.

3.1.7 Tenure of Contract

1. The tenure of the Contract shall be as specified in 'Data Sheet' at Part-II of Section-II.
2. Extension of the contract: The contract may be extended as specified in 'Data Sheet' at Part-II of Section-II.
3. Termination of the contract: Notwithstanding the allocation of the volume of work during the Contract period and/or tenure of Contract, the NHA reserves the right to terminate the contract without prejudice or liability after giving notice as stipulated in GC and SC.

3.1.8 Clarification and Amendment of TENDER DOCUMENT

1. Bidders may request a clarification in the TENDER DOCUMENT up to the number of till 15th February 2019, 6 PM to which response will be provided by 16th February 2019 11.59 PM. Any request for clarification must be sent to pm- nhmission@gov.in. Clarifications to the query mails shall be listed on the website
2. At any time, before the submission of Bids, NHA may amend the TENDER DOCUMENT by issuing an addendum/corrigendum in publishing on NHA website. The addendum/corrigendum issued shall be binding on all Bidders.

3.1.9 Preparation of Financial Bid

1. The preparation of the Financial Bid as well as all related correspondence exchanged by the Bidders and the Purchaser shall be in English.
2. The Financial Bid shall be prepared using the attached Standard Form as in Annexure-I and Annexure-II. It shall include all costs associated with the Service/Assignment. The financial bid shall not include any conditions attached to it. Any conditional financial bid shall be summarily rejected.

3.1.10 Taxes

1. The Bidder may be subject to taxes, such as, but not limited to GST, Service tax, duties, fees, levies etc. on amounts payable by NHA under the Contract. Bidders shall mention all such taxes in quoted cost in the financial bid separately as per the format provided.
2. Bidders shall provide the price of their services in Indian Rupees (₹) and up to two decimal places only (for example: Rs 00.00) (exclusive of taxes)
3. The service provider shall be entirely responsible for all taxes, duties, octroi, license fees, and demurrage charges etc., incurred on the contracted Services to the Purchaser. If there is any reduction or increase in duties and taxes due to any reason whatsoever after submission of Bid by the Bidder, the same shall be passed on to the NHA or service provider respectively. Bidder shall provide the cost of the services and all applicable taxes separately as per the format provided in the TENDER DOCUMENT.

3.1.11 Earnest Money Deposit (EMD)

1. An EMD in the form of a Bank Guarantee from scheduled/commercial bank of the value as specified in the 'Data Sheet' may be submitted in favour of "National Health Authority" payable at New Delhi.
2. The Bank Guarantee should be valid for **180 days beyond bid validity period** from the last date of submission of the bid. The hard copy of the original instrument in respect of EMD must be submitted at the address as mentioned in Data Sheet (Part II of Section-II of TENDER DOCUMENT) as part of Technical Bid on or before bid opening date and time as specified. Bid will not be accepted if original payment instrument against the submitted bid are not reached by the specified date and time.
3. The Micro and Small Enterprises (MSE) as defined in MSE Procurement Policy of Department of Micro, Small and Medium Enterprises or who are registered with the Central Purchase Organisation or with the Ministry of Electronics and Information Technology (MeitY) or Startups as recognized by Department of Industrial Policy & Promotion (DIPP) are exempted from submission of EMD. Such Bidders must furnish a valid certificate in this regard along with the bid. Failure to submit such details will lead to treating their bid as normal bid and will be treated as non responsive on the basis of non payment of EMD.
4. Bids not accompanied with EMD shall be rejected as non-responsive.
5. The EMD of the unsuccessful bidders would be returned within 30 days of signing of the contract with the successful bidder.
6. Format of the EMD is mentioned in Annexure VI
7. The bank details of NHA are
 - a. Account Number – 000701269645,
A/c Holder – National Health Authority
Bank Name – ICICI Bank
Branch name: New Delhi
IFSC code: ICIC0000007

3.1.11.1 Forfeiture of EMD

The entire EMD shall be forfeited by NHA in the following events:

1. If the Bidder varies or modifies its proposal in a manner not acceptable to the NHA after opening of Bid during the validity period or any extension thereof.
2. If the Bidder tries to influence the evaluation process or canvassing of any kind.
3. If the Bidder/s selected as 'Service Provider/s' chose to withdraw the Bid before the finalization process (failure to arrive at consensus by both the parties shall not be construed as withdrawal of Bid by the Bidder).

3.1.12 Tender Fees

The Part II of Section-II 'Data Sheet' indicates details about Tender Fees

3.1.13 Performance Bank Guarantee (PBG)

1. The selected service provider/contractor shall be required to furnish a Performance Bank Guarantee (PBG) of 50,00,000/- (Rs. Fifty Lakhs only) in the form of an unconditional and irrevocable Bank Guarantee from a scheduled/ commercial bank in India in favour of "National Health Authority" valid throughout duration of the contract upto 90 days beyond the contract period.
2. Performance Bank Guarantee shall be submitted by the successful bidder and empaneled vendor/SPs within 7 days of notification of issuance of letter of intent or award of contract.

3. The successful bidder has to renew the Bank Guarantee on same terms and conditions for the period of extension, if given, of the contract including claim period.
4. Performance Bank Guarantee would be returned after successful completion of tasks assigned to them and only after adjusting/recovering any dues recoverable/payable from/by the Bidder on any account under the contract.
5. On submission of this Performance Bank Guarantee and after signing of the contract, the demand draft/bank guarantee submitted towards EMD would be returned in original.
6. Non-compliance of given clauses by successful bidder shall constitute sufficient grounds for the annulment of award and forfeiture of EMD, in which event NHA may award contract to the next lowest evaluated bidder or invite fresh bids.

3.1.14 Submission, Receipt and Opening of Bids

1. All components of the bids shall be submitted in electronic form and no physical documents, apart from those which are indicated in this TENDER DOCUMENT shall be submitted in physical format.
2. For instructions on bid preparation and checklist of documents required for bid submission please refer Part-V of Section-II.
3. Any bid received by the NHA after the deadline for submission shall not be considered and will be summarily rejected.

3.1.15 Right to Accept/ Reject the Bid

NHA reserves the right to accept or reject any Bid and to annul the TENDER DOCUMENT process and reject all such bids at any time prior to award of contract, without thereby incurring any liability to the affected applicant(s) or any obligation to inform the affected applicants(s) of the grounds for such decision. The purchaser reserves the right to reject incomplete or incorrect bids.

3.1.16 Public Opening and Evaluation of Financial Bids

1. Financial bids shall be opened on the date & time specified in the Schedule.
2. NHA reserves the right to correct any computational, arithmetic errors. If there is a discrepancy between the unit cost and total cost (unit cost multiplied by volume), unit cost will be considered as final number and also in case of discrepancy between words and figures, words will be considered as final figure.
3. Award of contract to the qualified bidder will be done as per the process defined in Part-IV of section-II.

3.1.17 Disqualification

NHA has the sole discretion to disqualify any Bid and at any time during the evaluation of application, if the applicant:

1. Submitted the application after the response deadline;
2. Made misleading or false representations in the forms, statements and attachments submitted as proof of the eligibility requirements;
3. Exhibited a record of poor performance such as abandoning works, not properly completing the contractual obligations, inordinately delaying completion or financial failures etc. in any project in the preceding three years.
4. Submitted an application that is not accompanied by required documentation or is non-responsive;
5. Failed to provide clarifications related thereto, when sought;

6. Submitted more than one application either as a Single Agency/ Prime Agency/ consortium member.

3.1.18 Opening and Evaluation of Bids

1. Opening of Bids

- a. NHA shall open only the Bids received on or before the Bid Due Date. The Qualification Bids shall be opened as specified in bid information sheet at the address specified below or any other address communicated to the Bidders:

Mr. B. K. Datta
General Manager (Administration)
7th Floor, Tower I,
Jeevan Bharati Building,
Connaught Place, New Delhi-110001

The Bids shall be opened in the presence of the designated representatives of the Bidders who choose to attend.

- a) The names of all Bidders who have submitted Bids will be read out, and other such details as the Authority, at its sole discretion, may consider appropriate, will be announced at the opening of Bids.
- b) The Technical Bids will be opened at the time mentioned in the Bid Schedule. The Authority will prepare a record of the opening of each part of the Bids that will include, as a minimum, the names of the Bidders whose Bids have been received. The Bidders' representatives who are present will be requested to sign the record. The omission of a Bidder's representative's signature on the record will not invalidate the contents and effect of the record.
- c) Once all the Qualification Bids have been opened, they will be evaluated for responsiveness and to determine whether the Bidders satisfy the Eligibility Criteria. The procedure for evaluation of the Qualification Bids is set out at Clause 3.1.18.2.
- d) The Qualified Bidders will be informed of a date, time and place for the opening and evaluation of their Financial Bids.
- e) The Financial Bids of only the Qualified Bidders will be considered for opening on the date intimated to the Qualified Bidders. The Financial Bids will be opened in the presence of the representatives of the Qualified Bidders that choose to be present. Representatives of Bidders that are not declared as Qualified Bidders will not be permitted to attend the opening of Financial Bids. The procedure for evaluation of the Financial Bids is set out at Clause 3.1.18.3.
- f) Bidders are advised that the qualification of Bidders and evaluation of the Bids will be entirely at the discretion of the Authority. Bidders will be deemed to have understood and agreed that no explanation or justification on any aspect of the Selection process or selection will be given.
- g) Any information contained in a Bid will not in any manner be construed as binding on the Authority, its agents, successors or assigns; but will be binding on the Bidder, in the event that the PPP Contract for the Project is subsequently awarded to it on the basis of such information.

3.1.18.2 Evaluation of Qualification Bids

- a. The Technical Bids will first be evaluated for responsiveness to the TENDER DOCUMENT. The tests of responsiveness are set out below.
- b. The Technical Bid is required to be an un-priced proposal to establish that the Bidder satisfies the Eligibility Criteria. If the Technical Bid contains any financial or other commercial information, such Bid shall be rejected as being non-responsive.
- c. The originals of the documents which are required to be submitted must be submitted on or before the time and date specified in the Bid Information Sheet. If the originals of these documents are not submitted by the Bidder to the Authority on or before the specified time and

date, then notwithstanding that the scanned copies of these documents are submitted on the e-procurement portal, the Technical Bid of such Bidder shall be rejected as being non-responsive.

- d. If any Technical Bid (including any of the documents required to be submitted as part of the Technical Bid) is found:
- Not to be complete in all respects (i.e., either that the Qualification Bid does not contain all the documents that is required or any such document does not contain the information required by the BID DOCUMENT); or
 - Not duly signed by the authorized signatory of the Bidder (i.e., either that the Technical Bid or any document is not signed or if the authorized signatory is not duly authorized to sign the Bid on behalf of the Bidder); or
 - Not to be in the prescribed formats; or
 - To contain any material deviations, conditions or reservations,

then such Qualification Bid shall be deemed to be substantially non-responsive and summarily rejected.

- e. NHA reserves the right to reject any Qualification Bid which is substantially non-responsive and no request for alteration, modification, substitution or withdrawal by the Bidder shall be entertained by the NHA in respect of such Technical Bid. Before exercising its right to reject any Technical Bid which is substantially non-responsive, the Authority reserves the right to, but is under no obligation to, seek clarifications from the Bidder in respect of its Technical Bid.
- f. The Authority shall not entertain any request for alteration, modification, substitution or withdrawal in respect of any Technical Bid that it finds to be substantially non-responsive.
- g. The Authority will further evaluate only those Technical Bids that are found to be responsive, to determine whether such Bidders satisfy the Eligibility Criteria and the Qualification Criteria.
- h. In order to determine whether a Bidder that has submitted a responsive Qualification Bid satisfies the Eligibility Criteria the Authority will examine and rely on the documents submitted by the Bidder as part of its Technical Bid. The Authority will have the right, but no obligation, to seek additional information or documents from the Bidder
- i. The Authority will have the discretion to construe the information provided in the Qualification Bid and any additional information provided by the Bidder or obtained pursuant to an independent verification in such manner as it deems fit.
- j. After completion of the evaluation of the Qualification Bids, the Authority will publish online the results of the evaluation of Technical Bids and notify Qualified Bidders of the date, time and place of evaluation of the Financial Bids for the Project.
- k. The Financial Bids of those Bidders who are not declared as Qualified Bidders shall not be opened by the Authority.

3.1.18.3 Evaluation of Financial Bids

- a. Upon opening of the Financial Bids of the Qualified Bidders, NHA will first evaluate the Financial Bids for responsiveness to the BID DOCUMENT. If any Financial Bid is found:
- not to be complete in all respects;
 - without the digital signature, or

- to contain any material deviations, conditions or reservations,

then such Financial Bid shall be deemed to be substantially non-responsive.

A substantially non-responsive Financial Bid shall be rejected outright. NHA shall not seek or receive any clarifications on or modifications to the Price quoted by the Bidder. The Authority shall not entertain any request for alteration, modification, substitution or withdrawal in respect of any Financial Bid that it finds to be substantially non-responsive.

- b. The Authority will further evaluate only those Financial Bids of Qualified Bidders that have been found to be substantially responsive.
- c. For selecting the Bidder for award of the Contract for the Project, the objectives of the Authority are two-fold:
 - to select the Selected Bidder for the required work; and
 - to select a Bidder that: (1) is a Qualified Bidder; (2) has submitted a substantially responsive Financial Bid; and (3) is the Lowest Bidder, that will result in the lowest expenditure for the Authority. The Qualified Bidder meeting all these criteria shall normally be the “**Selected Bidder**”.
- d. For the evaluation of the Financial Bids, the Authority will follow the procedure set out below for selecting the Selected Bidder for the Project:
 - i. The Authority shall first tabulate the Price quoted by each Qualified Bidder that has submitted a substantially responsive Financial Bid for the Project.
 - ii. In the course of tabulation, the Authority shall check for arithmetical errors in each Financial Bid being evaluated. Arithmetical errors will be rectified by the Authority on the following basis: (i) if there is a discrepancy between unit prices and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected; (ii) if there is an error in a total corresponding to the addition of subtotals, the subtotals shall prevail and the total shall be corrected; and (iii) if there is a discrepancy between the amounts in figures and in words, the amount in words will prevail.
 - iii. The amount stated in the Financial Bid will be adjusted by the Authority in accordance with the above procedure for the correction of errors and, with the concurrence of the Qualified Bidder, shall be considered as binding upon the Qualified Bidder. If the Qualified Bidder does not accept the corrected amount, the Financial Bid will be rejected, and the Bid Security of the Qualified Bidder may be forfeited.
 - iv. Once the Price quoted by the Qualified Bidders in their substantially responsive Financial Bids has been corrected and tabulated, the Authority shall rank the Qualified Bidders for the Project based on the Price determined and tabulated by the Authority. The Qualified Bidder that has quoted the lowest Base Service Fee will be the Lowest Bidder and will be ranked L1; the Qualified Bidder that has quoted the second lowest Base Service Fee will be ranked L2 and so on.
 - v. The Qualified Bidder that is ranked L1 will be the Lowest Bidder and shall ordinarily be selected as the Selected Bidder for the Project.
 - vi. If two or more Qualified Bidders have been ranked L1 then the Qualified Bidder that has demonstrated the highest average Net-worth for two Financial Years immediately preceding the Bid Due Date shall be selected as the Selected Bidder for the Project.
 - vii. If the Lowest Bidder withdraws or is not selected for any reason in the first instance, the Authority may invite the Qualified Bidder ranked L2 to revalidate or extend its Bid Security, as necessary, and select such Qualified Bidder as the Selected Bidder.

Notwithstanding the duration of the contract/ allocation of volume of work, the termination of the Contract is subject to the conditions as stipulated in Para 2 of General & Special Conditions of Contract.

3.2 Part II – Data Sheet

1. Name and Details of Purchaser

Chief Executive Officer, National Health Authority , 9th floor, Tower-1, Jeevan Bharti Building, Near Connaught place, New Delhi-110011.

2. Name of Work and Address for communication and Submission of Physical Documents

Refurbishment and Renovation of approximately 10,235 sq. ft. of space on Jeevan Bharati Building, Connaught Place, New Delhi into office complex for National Health Authority

General Manager(Administration)
National Health Authority ,
9th floor, Tower-1, Jeevan Bharti Building,
Near Connaught place,
New Delhi-110011.

(The Hard Copy of original instruments as required in this Tender Document, earnest money must be delivered to the above address on or before bid opening date/time as per the procedure defined in Part-V of Section-II and as specified in Schedule provided in the Data Sheet.)

Envelopes Containing original Instruments are to be submitted in the drop box kept at 9th floor for bid submissions.

3. Bids must remain valid for 180 days after the closing date of bid.

4. Tenure of Contract

The contract will be valid for the period of 75 days from date of signing of the Contract. If the Bidder is unable to execute the contract in the given period, shall be liable for penalty as per contract (refer section IV)

5. Extension of Contract

The contract extension shall only be at the discretion of NHA.

6. Clarifications

Clarifications may be requested no later than date mentioned in bid information sheet Clarifications may be e-mailed (only) to the following address:

bk.datta@nic.in.

(All emails must have subject line 'Request for Clarification- Refurbishment and Renovation of NHA Office Space)

7. Amount of EMD is INR 25,00,000/- (Rupees Twenty Five Lakhs Only)

8. Bid Processing Fees of Rs. 25, 000/- (Rs. Twenty Five Thousand Only)

9. Performance Bank Guarantee is INR 50,00,000/- (Rupees Fifty Lakhs Only)

10. Method of Selection: as per Clause 3.1.18

- Bidders will have to submit Technical and Financial Proposals. Financial proposals of only those bidders will be opened who have technically qualified.
- Bidder shall quote price as per unit for each of the activity in the table given below. These prices shall be inclusive of all incurred costs, expenses, risks, overheads, profits etc. NHA will not reimburse any costs apart from those quoted by the bidder

SN	Particular
1	Civil and related works
2	POP and False Ceiling related works

3	Carpentry Work
4	Painting and Related Work
5	Anti-Termite Treatment
6	MEP Work (HVAC, Fire Systems, Electrical and lighting)
7	ICT Works
8	Other Related Tasks
Total	

3.3 Part III – Eligibility Criteria

Nature of Bidding Entity

Only single entity bidders will be allowed to bid, no consortium is allowed. Bidders shall not be blacklisted by any state government, central government departments, PSUs, local bodies or municipalities or any other government entity.

A Bidder, by bid due date shall not have :

- (a) failed to perform any contract with a Central/State government-owned or government-controlled entity; or
- (b) been expelled from any Government Contract by any Central/State government-owned or government-controlled entity; or
- (c) had any Government Contract terminated by any Central/State government-owned or government-controlled entity for breach by such Bidder
- (d) been blacklisted by any Central/State government-owned or government-controlled entity
- (e) undergoing arbitration or legal dispute against itself regarding any previous contract

3.3.1 Qualification Criteria

To be considered as technically qualified, a Bidder shall demonstrate that it satisfies the following qualification criteria. Bids of the Bidders not meeting following criteria will be will be summarily rejected

SN	Eligibility Criteria	Documents required
1	The bidder should be a Government Organizations / PSUs / PSEs / Partnership Firms / Proprietary Firms / Limited Companies under Indian Laws with an established setup in India, with registered office in Delhi-NCR	<ul style="list-style-type: none"> • Certificate of Incorporation/registration
2	Financially sound firms with average annual	<ul style="list-style-type: none"> • Certificate from statutory auditor of the bidder specifying the average annual turnover of the

	turnover of not less than Rs. ten crores in past three financial years immediately preceding bid due date	bidder in last 3 (three) financial years immediately preceding to bid due date
3	The bidder should have completed at least three projects of similar nature, out of which at least one shall be of value not less than Rs. 3 Crores	<ul style="list-style-type: none"> • Completion certificate of the work
5	Other	<ul style="list-style-type: none"> • Valid GST Certificate • Audited Financial Statements and Annual reports of the bidder of last 3 (three) financial years immediately preceding to bid due date • Sworn undertaking/ affidavit specifying the firm has not been blacklisted Certificate from the whole-time NHA Secretary or Statutory Auditors stating that he Bidder is not blacklisted or debarred or banned from participating or carrying out business with the NHA or the entire Central Government or any State Government at the time of the submission of the bid • Certified copies of the ITRs filed by the entity for the immediately preceding three financial years • Board resolution or Power of Attorney specifying authorized signatory (not required for sole proprietorship companies provided same person is authorised signatory)

3.4 Part IV – Selection Process: Please refer to Clause 3.1.18

3.5 Part V – Instructions on Bid Preparation and Documents Checklist

3.5.1 Submission Process

- 3.5.1.1 The Bidders shall upload their Proposal through e-procurement platform. No other mode of submission is permitted. The Bidding is through website [www. eprocure.gov.in](http://www.eprocure.gov.in). Detailed guidelines for viewing bids and submission of online bids are given on the following weblink <https://eprocure.gov.in/eprocure/app?page=HelpForContractors&service=page>
- 3.5.1.2 The authorized signatories of the prospective Bidders are required to register on the portal. The authorized signatories of the Bidders must have an ID and Digital Signature Certificate (DSC) from designated firms listed on the e-procurement portal and register with the website using the allotted ID and DSC.
- 3.5.1.3 Bidders are requested to go through the instructions provided on the e-procurement portal carefully and submit the required information without exception to avoid the risk of rejection of Bids
- 3.5.1.4 All the documents submitted as part of the Bid are required to be signed digitally by the Bidder. After submission of the Proposal the Bidder will be provided with a system generated, time stamped unique reference number which shall be treated as acknowledgement of bid submission.
- 3.5.1.5 Any interlineations, erasures, or overwriting will be valid only if they are signed by the authorized signatory of the Bidder.
- 3.5.1.6 The Authority shall not be responsible for any delays, in submission of Bids, loss or non-receipt of Bids

3.5.2 Financial/Commercial Bid Forms

1. Bidder shall quote cost of for each task as per 10 (b) of Data Sheet all relevant costs, expenses, risks, overheads, profits etc. only excluding taxes. In order to be L1 the Bidder shall have lowest in combined total price. NHA will not reimburse any other charges apart from price quoted by the bidder
2. Bidder must quote only one cost. Cost shall be provided up to two decimal places.
3. Bidder shall also separately mention all the statutory taxes

3.5.3 Document Checklist

SN	Detailed description	Compliance (Yes/No)	Remarks If any
Technical Bid			
Signed copies of supporting documents as required in section 2.3.1,			
1.	Cover Letter on the letterhead of the bidder in Given Format		
2.	Tender Processing Fees (Original along with scanned copy with the bid)		
3.	EMD in Given (Original along with scanned copy with the bid)		
4.	Certificate of Incorporation/registration		
5.	Certificate from statutory auditor of the bidder specifying the average turnover of the bidder in last 3 (three) financial years immediately preceding to bid due date		
6.	Completion certificate of at least one similar work shall be of value not less than Rs. 3 Crores		
7.	Concept lay out drawing of the office floor		
8.	Valid GST Certificate		
9.	Audited Financial Statements and Annual reports of the bidder of last 3 (three) financial years immediately preceding to bid due date		
10.	Sworn undertaking/affidavit stating that the Bidder is NOT blacklisted or debarred or banned from participating or carrying out business with the NHA or the entire Central Government or any State Government at the time of the submission of the bid		
11.	Certified copies of the ITRs filed by the entity for the immediately preceding three financial years		

12.	Board resolution or Power of Attorney specifying authorized signatory (not required for sole proprietorship companies provided same person is authorized signatory) (this is to be submitted in Original along with scanned copy with the Bid)		
Commercial Bid Signed Copies of following document			
1)	Cover letter		
2)	Commercial bid filled out in online BOQ format		

4 Section III – Scope of Work

Time is essence of contract. The said work is to be carried out in specified time frame at said site and the contractor may also work during night at no extra cost.

1. The drawings will be prepared by the contractor in coordination with NHA officials and get the same approved from NHA.
2. The tentative concept layout drawings enclosed with the tender documents which is subject to change as per requirement of the NHA after award of work. The contractor will prepare all shop drawings based on the drawings approved by NHA subsequently.
3. The successful Bidder shall carefully go through all the Clauses of this TENDER DOCUMENT
4. All material and labour whether specifically mentioned or not in the TENDER DOCUMENT shall be provided by the contractor for completion the activities described in the TENDER DOCUMENT. The scope of work shall be in general but not limited to that only. Any other work required for completion & commissioning of this project whether specifically mentioned or not in the TENDER DOCUMENT is covered in the scope of this work and has to be carried out by the contractor
5. The final bill will be submitted by the contractor within 30 days from the date of completion and acceptance of work accompanied by the following documents.

(a) Completion certificate issued by NHA specifying the satisfactory completion of work.

6. **MINIMUM DISTURBANCE TO THE EXISTING OFFICES –METHODOLOGY TO BE ADOPTED DURING CONSTRUCTION:** The existing building where proposed work is to be undertaken is occupied by the other allottees/ occupants of the complex at different floors and is fully operational. The contractor will ensure that no nuisance is cause in terms of noise, air pollution etc.

7. COMPLETION DRAWINGS, STATUTORY APPROVALS AND LICENSES

The contractor shall furnish three copies of Ammonia print along-with the original tracing of the following “As-built” drawings of civil, sanitary/plumbing, electrical, single line diagrams, AC, fire-fighting/ fire alarm, LAN/Intercom/Access Control /sewer/water line etc. to NHA within 14 days of completion of work without any extra cost.

The contractor will obtain and maintain all necessary statutory approvals/ licenses as as may be required for the purposes of this Agreement as per the applicable laws before start of work and wherever required during the term of this Agreement within the quoted rates. Service provider will also obtain the all statutory clearance for operating the NHA office including but not limited to fire clearance after completion of firefighting/ Fire Alarm/ Public Address System work from Delhi Fire Service Department and ensure that Fire license

The contractor will do all liasoning work to obtain the above said statutory approvals which will be his sole responsibility. NHA will reasonable support to the contractor for this work, wherever required. NHA will not provide or reimburse any additional costs in this regard

8. TECHNICAL SPECIFICATIONS

- i) The work in general shall be carried out as per applicable guidelines including but not limited to CPWD specifications,2009, all Volumes, New Delhi for civil work (updated with correction slips issued upto last date of submission of tender), CPWD specifications New Delhi for electrical works and CPWD specifications New Delhi for HVAC works updated with correction slips issued upto last date of submission of tender unless otherwise specified in the nomenclature of the individual item or in the technical specifications of concerned items of works.
- ii) For items not covered under CPWD Specification, 2009 Vol. I & II (Civil works) / CPWD Specification 2013 (Electrical Works) / CPWD specification2004 (HVAC Works) and in Technical specification or nomenclature of the individual item as above, the work shall be done as per latest relevant ISI Code of practice.
- iii) In case, specifications are not covered under Sl. No. (i) & (ii) the above work shall be carried out as per

the provisions of technical specification to be provided by the contractor based on the nomenclature described in the BOQ forming part of this tender.

- iv) In case of non-availability of any specification in the above or any over lapping provisions, non-clarity on any issue, applicability of particular provisions out of above, the same shall be carried out with sound engineering practice as decided by NHA without extra cost implication beyond his quoted rate (s).

9. Zero Deviation Bid from the BOQ and Technical Specifications

Bidders are instructed to quote strictly as per BOQ read in conjunction with all clauses in the TENDER DOCUMENT with zero deviation bid, failing which the bid will be treated as non-responsive and will be summarily rejected.

10. Submission of samples of values item of works before supplying at site.

The material / products to be used in this work shall be one of the approved make / brands out of list of manufacturer / brands / makes given in the tender documents and as approved by the NHA. The contractor will submit samples / specimens of flooring, Italian marble, wires, cables conduits, wooden Ply, False ceiling, light fittings, furniture or any other material for the approval of NHA before supplying at site.

11. APPROVED MAKES:

All the materials shall be of approved makes as per list (Annexure-). NHA shall approve the sample from the brands mentioned in the approved list. In case any item is not covered in said list of approved makes then it is the responsibility of the Selected Bidder to get the same approved from NHA whose decision shall be final and binding on the Service Provider

The contractor shall place the order for the procurement of materials well in advance in required quantities, to have sufficient time for the delivery and testing of material. Sufficient storage space shall be arranged by the agency at its own cost for this purpose, as may be required.

12. FACTORY INSPECTION OF THE VARIOUS MATERIALS:

The NHA may like to inspect any material at the contractor's manufacturer works/factory before dispatch at site. The contractor will inform NHA of the work in writing before delivery of major items at site and will give an inspection call to NHA 15 days before dispatch for factory inspection of the same by NHA, if required by the latter. NHA at its discretion may waive off the inspection call in the exigencies of work. **All expenses towards, testing, to & fro traveling, lodging, boarding of the inspecting team shall be borne by the contractor within the quoted rates.**

13. All costs towards sample, material, collection, transport, manpower, testing, etc. shall be borne by the contractor and are deemed to be included in the rates quoted by him in the bill of quantity. The contractor shall furnish manufacturer's test reports and manufacturers test certificates for all bought out items. It shall also be the responsibility of the contractor to get the mandatory tests as per CPWD specifications carried out from a Govt. approved laboratory and furnish the results.
14. The contractor shall have to attend all the meetings at his own cost with NHA, or consultants of NHA during the tenure of the contract. The Service Provider shall fully cooperate with such personal and agencies involved during these discussions. Service provider shall appoint single point of contact for all communication and coordination with NHA during tenure of the contract. During the execution of the work, contractor shall submit at his own cost a detailed monthly progress and program report which shall be approved by the NHA from time to time.
15. **Milestones, payment schedule and Penalty for non-achievement of the milestones:-**
Time is the essence of the contract. The work should be planned in such a manner that following milestones are achieved within the schedule completion time: value

S.No.	No. of Days from date of start	Physical Progress of work / Milestones	Percentage of Payment	Cumulative amount to be withheld if progress is Not
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				achieved as per milestone
1	10 Days	i) Layout markings ii) Raceways work complete iii) Cement Concrete work complete	5%	Rs. 5,00,000 (Rs. 5Lakhs only) for not achieving these milestones
2	25 Days	i) 50% completion of flooring ii) 20% completion of partition works iii) 25% work of electrical wiring iv) 20% framing work for false ceiling v) 20% AC ducting vi) Placement of supply order for the furniture	20%	INR 15,00,000 (INR fifteen Lakhs Only)
3	45 Days	i) 100% completion of flooring works except wooden flooring ii) 75% Ducting over the false ceiling iii) 75% Partition works iv) 75% framing work for false ceiling v) 75% Wiring work over the false ceiling	20%	INR 40,00,000 (INR Forty Lakhs only)
4	60 Days	i) 100% Wiring work complete under flooring and over false ceiling ii) Ducting complete iii) 100% Partition and door work complete iv) 100% Delivery of chairs v) 90% False ceiling work complete vi) 80% Plumbing and sanitary work complete vii) 75% Light fittings and AC grills & 5 % of contract value diffusers complete viii) Delivery of material for CCTV, Access control, FA/FS	15%	INR 50,00,000 (INR Fifty Lakhs only)
5	75 Days	i) 100% False ceiling work complete along with painting ii) 100% Floor work complete along with wooden flooring iii) 100% Furniture work complete	25%	INR 70,00,000 (INR Seventy Lakhs only)

		iv) 100% Electrical, light fittings, fire alarm, CCTV, AV conference, Access control, fire extinguisher, painting, carpets, planters, artefacts complete v) 100% Plumbing & sanitary work complete vi) Any other work those not covered above but available in the BOQ to complete the project.		
6	80 Days	Testing commissioning and handing over the complete office to NHA.	10%	Encashing of all withheld amount till date and Penalty of INR 5,00,000 (INR five Lakhs only)per day till the time project is completed and office is handed over
7	365 Days from Handing over of the site	Maintenance of office space for the period of 365 days from handing over of the facility	5%	As determined by NHA on noncompliance of maintainaence requests

If the contractor fails to achieve a particular milestone out of above within the timelines given but at the same time makes up the same in next milestone, no penalty will be imposed and amount withhold from his payment against penalty shall be released to the contractor. However, the entire work must be completed within the overall period of 80 days failing which the full withheld penalty amount shall be encashed and additional penalty of INR 5,00,000 (INR five Lakhs only)per day till the time project is completed and office is handed over is imposed.

Accordingly the contractor will submit a Bar Chart/Pert Chart within three days of issue of LOA which will form part of the agreement.

In case of any substitute item / extra item / deviation a rises, the decision regarding incorporation in particular milestone as decided by NHA shall be final and binding on the contractor.

16. The successful bidder will submit to NHA an irrevocable Performance Bank Guarantee of INR 50,00,000 (INR Fifty Lakhs Only) before signing of the contract.
17. The bidder shall open dedicated bank account for this particular project on the issue of Letter of Award and shall furnish account details to NHA.
18. **The contractor will obtain necessary temporary power connection from the Local Electric Supply Authority/ BSES or from the Electrical panel available after the approval of NHA's Maintenance wing at site for the required load of this premise within the schedule completion time.**
19. **Mock-up of furniture/Mock up room**
The Contractor will display / arrange mock- up of furniture within 30 days from the date of start at site as decided by NHA within his quoted rates and get approval for the same, before proceeding further to ensure quality.

5 Section IV – General and Special Conditions of Contract

5.1 Part I – General Conditions

1. Definitions

Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:

1. “Applicable Law” means the laws and any other instruments having the force of law in India.
2. “Purchaser/Authority” means National Health Authority which is the entity purchasing the services under this Contract.
3. “Contract” means the Agreement entered into between the Purchaser and the Service Provider, together with the contract documents referred to therein, including all the attachments, appendices, annexure, and all documents incorporated by reference therein.
4. “GC” means these General Conditions of Contract (Part-I of Section IV).
5. “Contract Price” means the price to be paid for the provision of services, in accordance with relevant clause of the contract, subject to deduction and penalties therefrom, as may be made pursuant to the Contract.
6. “Effective Date” means the date on which this Contract comes into force and effect as per the contract conditions;
7. “Government” means the Government of India.
8. “Service Provider” means any private or public entity/ contractor that will provide the Services to the Purchaser under the Contract. The Service Providers are the entity, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Agreement.
9. “Party” means the Purchaser or the Service Provider, as the case may be, and “Parties” means both of them.
10. “Personnel” means persons hired by the Bidder and assigned to the performance of the Services or any part thereof.
11. “SC” means the Special Conditions of Contract (Part-II of Section IV) by which the GC may be amended or supplemented.
12. “Services” means the work to be performed by the Service Provider pursuant to this Contract, as described in Scope of Work at Section-III of TENDER DOCUMENT hereto.
13. “Bidder” means the entity bidding for the services under the Contract.
14. “Resident” means resident of India.
15. “NHA” means National Health Authority .
16. “SP” means the Service Provider or Contractor
17. “In writing” means communication in written form with proof of receipt.

2. Relationship between parties

Nothing contained herein shall be construed as establishing a relationship of master and servant or of principal and agent as between the Purchaser and the Service Provider. The Service Provider, subject to this Contract, has complete charge of Personnel performing the Services and shall be fully responsible for the Services performed by them or on their behalf hereunder.

3. Law Governing Contract

“This Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the applicable Laws of India. The bidder and the vendor in the provision of its services under the contract shall be governed at all times by the provisions of Government of India and the regulations framed there under as amended from time to time. Notwithstanding anything contained therein, if the bidder/vendor contravenes any provisions of Government of India and the regulations framed there under, as applicable to the services rendered under this TENDER DOCUMENT /Contract, the bidder/vendor shall be liable to applicable penal provisions prescribed therein, in addition to, the penalties/provisions provided in this TENDER DOCUMENT /contract.”

4. Language

This Contract has been executed in English, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract.

5. Notices

1. Any notice, request or consent required or permitted to be given or made pursuant to this Tender Document shall be in writing. Any such notice, request or consent shall be deemed to have been given or made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent to such Party at the address specified in the SC.
2. A Party may change its address for notice hereunder by giving the other Party notice in writing of such change to the address specified in the SC.

6. Location

Floor rented by NHA for the purpose of establishing of the office is in Tower I of Jeevan Bharati Building, Connaught Place, New Delhi-110001. Exact number of the floor will be disclosed by NHA during pre-bid meeting

7. Authorized Representatives

Any action required or permitted to be taken, and any document required or permitted to be executed under this Contract by the Purchaser or the Bidder may be taken or executed by the officials specified in the SC.

8. Taxes & Duties

1. The Service Provider and their Personnel shall pay all such direct and indirect taxes, duties, fees and other impositions levied under the Applicable Laws of India.
2. The Bidder may be subject to taxes, such as, but not limited to GST, Service tax, duties, fees, levies etc. on amounts payable by the Purchaser under the Contract. The quoted cost in the financial bid shall be exclusive of all such taxes. Such taxes shall be quoted separately.
3. If there is any reduction or increase in duties and taxes due to any reason whatsoever, after Notification of Award, the same shall be passed on to the Purchaser/Service Provider as the case may be.

9. Fraud & Corruption

The Bidders and their respective officers, employees, contractors, agents and advisers shall observe the highest standard of ethics during the Selection process and subsequently if nominated as the Service provider, after the issue of the LOA and during the subsistence of the Contract.

Should any corrupt practice, fraudulent practice, coercive practice, collusive practice, undesirable

practice, restrictive practice, obstructive practice, undesirable trade practises of any kind come to the knowledge of the NHA it will in the first place allow the Bidder to provide an explanation along with proof. NHA shall take action if it is not satisfied with the explanation is not received. In this case, Contract with service provider will be terminated, and its performance guarantee will be forfeited.

Definitions

It is the Purchaser's policy to require that the Purchaser as well as Service Provider observe the highest standard of ethics during the selection and execution of such contracts. The Purchaser also requires that the Service Provider does not demand any service charges from the Resident unless the same is agreed with the Purchaser in advance. In pursuance of this policy, the Purchaser defines, for the purpose of this provision, the terms set forth below as follows:

1. "corrupt practice" means the offering, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the selection process or in contract execution;
2. "fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract to the Purchaser;
3. "collusive practices" mean a scheme or arrangement between two or more bidders, with or without the knowledge of the Purchaser, designed to establish prices at artificial, non-competitive levels;
4. "coercive practices" mean harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract;
5. "unfair trade practices" mean supply of services different from what is ordered on, or change in the Scope of Work which was agreed to

10. Measures to be taken by the Purchaser

1. The Purchaser may terminate the contract if it determines at any time that representatives of the Service Provider were engaged in corrupt, fraudulent, collusive or coercive practices during the selection process or the execution of that contract, without the Service Provider having taken timely and appropriate action satisfactory to the Purchaser to remedy the situation;
2. The Purchaser may also apply sanction against the Service Provider, including declaring the Service Provider ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the Service Provider has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a Purchaser-financed contract.

11. Commissions & Fees

Purchaser will require the successful Service Provider to disclose any commissions or fees that may have been paid or are to be paid to agents, representatives, or commission agents with respect to the selection process or execution of the contract. The information disclosed must include at least the name and address of the agent, representative, or commission agent, the amount and currency, and the purpose of the commission or fee.

12. Interpretation

In this Contract unless a contrary intention is evident:

1. the clause headings are for convenient reference only and do not form part of this Contract;
2. unless otherwise specified, a reference to a clause number is a reference to all of its sub-clauses;
3. unless otherwise specified, a reference to a clause, sub-clause or section is a reference to a clause, sub-clause or section of this Contract including any amendments or modifications to the same from time to time;
4. a word in the singular includes the plural and a word in the plural includes the singular;
5. a word importing a gender includes any other gender;
6. a reference to a person includes a partnership and a body corporate;
7. a reference to legislation includes legislation repealing, replacing or amending that legislation;
8. where a word or phrase is given a particular meaning it includes the appropriate grammatical forms of that word or phrase which have corresponding meanings;
9. In the event of an inconsistency between the terms of this Contract and the Bid document and the Proposal, the terms of this Contract hereof shall prevail.

13. Commencement, Completion, Modification & Termination of Contract

1. Effectiveness of Contract

This Contract shall come into effect on the date the Contract is signed by both parties or such other later date as may be stated in the SC. The date, the Contract comes into effect is defined as the Effective Date.

2. Termination of Contract

a) Termination of Contract for Failure to Become Effective

If this Contract does not become effective within such time period as defined in the SC, Purchaser through a written notice to the other Party, declare the offer to sign the contract to be null and void. Purchaser may ask next ranked bidder to sign the contract or may publish new TENDER DOCUMENT .

b) Termination of Contract subject to necessary approvals

Notwithstanding the duration of the contract stated in GC 4.1.2.4, NHA, reserves the right to terminate the contract at any time without prejudice or liability.

3. Commencement of Work

Selected Bidder shall initiate the work immediately after effective date and comply with timelines.

4. Expiration of Contract

Unless terminated earlier pursuant to Clause GC4.1.2.2 hereof, this Contract shall expire at the end of such time period, after the Effective Date or after the agreed task has been delivered, as specified in the SC.

5. Entire Agreement

This Contract contains all covenants, stipulations and provisions agreed by the Parties.

6. Modifications or Variations

- a. Any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope of the Services, may only be made by written agreement

between the Parties. However, each Party shall give due consideration to any proposals for modification or variation made by the other Party.

- b. In cases of substantial modifications or variations, required by the Service Provider, the prior written consent of the Purchaser is required.

14. Force Majeure

a. Definition

1. For the purposes of this Contract, "Force Majeure" means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable and not brought about by or at the instance of the Party claiming to be affected by such events and which has caused the non- performance or delay in performance ,and which makes a Party's performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances, and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood or other extreme adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent), confiscation or any other action by Government agencies.
2. Force Majeure shall not include (i) any event which is caused by the negligence or intentional action of a Party or agents or employees, nor (ii) any event which a diligent Party could reasonably have been expected both to take into account at the time of the conclusion of this Contract, and avoid or overcome in the carrying out of its obligations hereunder.
3. Force Majeure shall not include insufficiency of funds or inability to make any payment required hereunder.

b. No Breach of Contract

The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract in so far as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.

c. Measures to be Taken

- A Party affected by an event of Force Majeure shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall take all reasonable measures to minimize the consequences of any event of Force Majeure.
- A Party affected by an event of Force Majeure shall notify the other Party of such event as soon as possible, and in any case not later than fourteen (14) days following the occurrence of such event, providing evidence of the nature and cause of such event, and shall similarly give written notice of the restoration of normal conditions as soon as possible.
- Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.
- During the period of their inability to perform the Services as a result of an event of Force Majeure, the Service Provider, upon instructions by the Purchaser, shall either:
 - immobilize, or

- Continue with the Services to the extent possible, in which case the Service Provider shall continue to be paid proportionately and on pro-rata basis, under the terms of this Contract.
- In the case of disagreement between the Parties as to the existence or extent of Force Majeure, the matter shall be settled according to Clause GC 4.1.8.

15. Suspension

The Purchaser may, by written notice of suspension to the Service Provider, suspend all payments to the Service Provider hereunder if the Service Provider fails to perform any of its obligations under this Contract, including the carrying out of the Services, provided that such notice of suspension (i) shall specify the nature of the failure, and(ii) shall allow the Service Provider to remedy such failure, if capable of being remedied, within a period not exceeding thirty (30) days after receipt by the Service Provider of such notice of suspension.

16. Termination

1. Termination

- b. The Purchaser may, without prejudice to any other remedy for breach of Contract, by 30 days prior written notice of default sent to the service provider, terminate the Contract in whole or in part in case of the occurrence of any of the events specified in paragraphs (t) of this Clause Scope of Work3.1.1.
 - i. If the service providers fail to deliver Services within the time period(s) specified in the Contract, or any extension thereof granted by the Purchaser; OR
 - ii. If the service providers fail to perform any other obligation(s) under the contract."
- c. If the Service Provider becomes insolvent or goes into liquidation or bankruptcy or receivership whether compulsory or voluntary.
- d. If the Service Provider, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- e. If, as the result of Force Majeure, the Service Providers are unable to perform a material portion of the Services for a period of not less than sixty (60) days.
- f. If the Service Provider submits to the Purchaser a false statement which has a material effect on the rights, obligations or interests of the Purchaser.
- g. If the Service Provider places itself in position of conflict of interest or fails to disclose promptly any conflict of interest to the Purchaser.
- h. If the Service Provider fails to provide the quality services as envisaged under this Contract. The Purchaser may make judgment regarding the poor quality of services, the reasons for which shall be recorded in writing. The NHA may decide to give one chance to the Service Provider to improve the quality of the services.
- i. If the Service Provider has been blacklisted by the NHA or any other government agency or disqualified for any reason.
- j. If the Service Provider fails to fulfill its obligations
- k. If the Service Provider fails to comply with any final decision reached as a result of arbitration proceedings.
- l. In the event of Service Provider found:
 - i. Sub-contracting of work/services not allowed under the TENDER DOCUMENT
 - ii. Provided incorrect information to NHA.

- iii. Non co-operative during audits conducted by NHA/ NHA Regional Office or auditing agencies appointed for the purpose.
- m. "If the service provider discloses any confidential information during its engagement with NHA, NHA may terminate this Contract, forthwith."
- n. In the event the Purchaser, in its sole discretion and for any reason whatsoever, decides to terminate the Contract in whole or in part, pursuant to Clause 4.1.2.9.1 of GC, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, services similar to those undelivered or not performed, and the Service Provider shall be liable to the Purchaser for any additional costs for such similar services. However, the Service Provider shall continue performance of the Contract to the extent not terminated.

2. Cessation of Rights and Obligations

Upon termination of this Contract pursuant to Clauses GC 4.1.2.2 or GC 4.1.2.9 hereof, or upon expiration of this Contract pursuant to Clause GC 4.1.2.4 hereof, all rights and obligations of the Parties hereunder shall cease, except:

- a. such rights and obligations as may have accrued on the date of termination or expiration;
- b. the obligation of confidentiality set forth in Clause GC 4.1.3.4 hereof;
- c. the Service Provider's obligation to permit inspection, copying and auditing of their accounts and records set forth in Clause GC 4.1.3.6 hereof; and
- d. any right which a Party may have under the Law.

3. Cessation of Services

Upon termination of this Contract by notice of either Party to the other pursuant to Clauses GC 4.1.2.9.1 or GC 4.1.2.9.2 hereof, the Service Provider shall, immediately upon dispatch or receipt of such notice, take all necessary steps to bring the Services to a close in a prompt and orderly manner and shall make every reasonable effort to keep expenditures for this purpose to a minimum. With respect to documents, data, and/ or any other material prepared by the Service Provider and equipment and materials furnished by the Purchaser, the Service Provider shall proceed as provided, respectively, by Clauses GC 4.1.3.9 or GC 4.1.3.10 hereof.

4. Payment upon Termination

Upon termination of this Contract pursuant to Clauses GC 4.1.2.9.1, the Service Provider shall be entitled /not entitled to payments as per the following:

- a. If the Contract is terminated pursuant to Clause GC 4.1.2.9.1 (d), (g), k(i) to k(iii) then the service provider shall be eligible for remuneration pursuant to Clause GC 4.1.6.3 hereof for Services satisfactorily performed prior to the effective date of termination;
- b. If the agreement is terminated pursuant of Clause GC 4.12.9.1 other than those mentioned in (a) above, the Service Provider shall not be entitled to receive any agreed payments upon termination of the contract. However, the Purchaser may consider making payment for the part satisfactorily performed on the basis of Quantum Merit as assessed by it, if such part is of economic utility to the Purchaser. Applicable under such circumstances, upon termination, the Purchaser may also impose liquidated damages as per the provisions of Clause GC 4.1.9 of this agreement. The Service Provider will be required to pay any such liquidated damages to Purchaser within 30 days of termination date.

5. Disputes about Events of Termination

If either Party disputes whether an event specified in Clause GC 4.1.2.9.1 hereof has occurred, such Party may, within thirty (30) days after receipt of notice of termination from the other Party, refer the matter to Clause GC 4.1.8 hereof, and this Contract shall not be terminated on account of such event except in accordance with the terms of any resulting arbitral award.

6. Extension of Contract

Extension of the contract is at the discretion of NHA. No contract extension shall be provided for completion of work. Non compliance to timelines is subject to penalties. Extension can only be given for the period of maintenance (beyond 365 days of handing over of the office). Separate contract shall be signed for extension of maintenance period.

17. Obligations of the service provider

1. Standard of Performance

The Service Provider shall perform the Services and carry out their obligations hereunder with all due diligence, efficiency, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology with safe and effective equipment, men, machinery, materials and methods. The Service Provider shall always act, in respect of any matter relating to this Contract or to the Services, as faithful advisers to the Purchaser, and shall at all times support and safeguard the Purchaser's legitimate interests in any dealings with third Parties.

2. Service Provider Not to Benefit from Commissions, Discounts, etc.

The payment of the Service Provider pursuant to Clause **GC 4.1.6** shall constitute the Service Provider's only payment in connection with this Contract or the Services, and the Service Provider shall not accept for their own benefit any trade commission, discount, or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the Service Provider shall use their best efforts to ensure that the Personnel and agents of either of them similarly shall not receive any such additional payment.

3. Prohibition of Conflicting Activities

The Service Provider and their Personnel shall not engage, either directly or indirectly, in any business or professional activities which would conflict with the activities assigned to them under this Contract.

- a. The Service Provider shall protect from unauthorized access, loss or damage and also keep safe, secure and confidential all demographic information, all documents, data and information of any nature provided to the Service Provider for the discharge of services.
- b. The Service Provider shall not store, copy, publish, print, interfere, tamper with or manipulate the information/data received from NHA, other than required for discharge of services.
- c. The Service Provider shall not give access to the information or data collected and received from NHA in the course of discharge of services, to any person who is not authorized to handle the information or data. Information should only be given to authorized personnel and only used in the manner prescribed by NHA.
- d. The service provider shall also provision for periodic (half yearly) third party audits from Cert-In (computer emergency response team – India) empaneled auditors at no extra cost to NHA.

4. General Confidentiality

“Except with the prior written consent of the Purchaser, the Bidder and its personnel shall not at any time communicate to any person or entity, any confidential information acquired in the course of discharge of Services, nor shall the Bidder and the personnel make public the recommendations formulated in the course of or as a result of discharging the Services.

Bidder should comply with the IT Act, 2000 and other related Laws/Acts/Policies/Guidelines/Regulations, etc. Including the amendments thereof particularly with respect to data confidentiality and privacy. The Bidder shall furnish a Non-Disclosure Agreements, as per format provided in Annexure VII as part of its proposal.”

4. Insurance to be Taken Out by the Service Provider

The Service Provider shall take and maintain insurance against risks and coverage as per the industry standards and as per the applicable laws at their own cost, and such insurances as shall be specified in the **SC**; and (b) at the Purchaser’s request, shall provide evidence to the Purchaser showing that such insurance has been taken and maintained and the current premiums have been paid.

5. Accounting, Inspection and Auditing

a. The Service Provider

- i. shall keep accurate and systematic accounts and records in respect of the Services hereunder, in accordance with internationally accepted accounting principles and in such form and detail as will clearly identify all relevant time changes and costs, and the bases thereof, and
 - ii. shall periodically permit the Purchaser or its designated representative and/or the Purchaser, and up to five years from expiration or termination of this Contract, to inspect the same and make copies thereof as well as to have them audited by auditors appointed by the Purchaser or the Purchaser, if so required by the Purchaser. The Audit expenses shall be borne by the Service Provider
- b. The Purchaser shall have the right to carry out inspection checks, audits of the Service Provider’s premises and/ or locations, facilities, or point of delivery of services performed under this contract.
 - c. The Purchaser shall have the right to carry out scheduled/ un-scheduled visits to any of the locations, premises & facilities and oversee the processes and operations of the Service Provider.
 - d. If a third-party audit is conducted at the instance of service provider, the cost of audit will be borne by the service provider

6. Sub- contracting

The Service Provider/Contractor shall not be permitted to sub-contract any part of its obligations, duties, or responsibilities under this contract.

7. Reporting Obligations

- a) In case of only printing and supply of IEC materials, the Service provider on delivery of the material will take signature of Consignee who will be a NHA official and be responsible for verification of the delivered consignment as per details of the Work Order. For the purpose of the same, SP or its representative delivering of the items will carry copy of Work Order as part of consignment delivery paperwork. The delivery note shall consist quantity of each type of material and its quality as per approved specifications. Invoice of each work order shall contain copy of all above documents

- b) In case of printing, transport installation and application of IEC material in hospital/facility, a facility official (ideally superintendent) will verify completion of application of work as per approved recce report. Invoice of this work order shall contain copies of all the above documents. Copy of this completion certificate from hospital/facility is shared with NHA.
- c) SP shall print each type of sample IEC material immediately after signing of the contract and submit the same to NHA for its approval.

8. Rights of Use

All rights of use of any process, product, service, or data developed, generated, or collected, received from NHA or any other task performed by the Service Provider under the execution of the contract, would lie exclusively with the Purchaser or its nominated agencies in perpetuity free from all liens, encumbrances, and other third party rights and the Service Provider shall, wherever required, take all steps that may be necessary to ensure the transfer of such rights in favour of the Purchaser or its nominated agencies.

1. Safety & Security of Data, Premises, Location/ site

- a. The Service Provider shall not use the information, the name or the logo of the Purchaser and or Government of India except for the purposes of providing the services as specified under this contract.
- b. The Service Provider shall not use and/or transmit any information, data, layouts, designs, diagrams, storage media (hard disk/tapes) or any other goods/material in physical or electronic form, which are proprietary to or owned by the Purchaser, without prior written permission from the Purchaser.
- c. The Service Provider shall follow the Security Guidelines issued by Government of India.
- d. Data Retention period shall be defined and reviewed for adequacy at least every three months jointly by the Purchaser and the Service Provider.
- e. Certificate of 'Data deletion' to be provided by the Service Provider, at the time of raising periodic bills.
- f. The Service Provider would be governed by the provisions of the Law of the Land, including but not limited to the IT Act, other relevant Acts.
- g. The Purchaser reserves the right to carry out third party Audits of the Service Provider to ensure compliance of stated and implicit requirements
- h. The rogue behavior of the employees of Service Provider shall fall under the 'Unlimited liability' to the Service Provider.

9. Equipment & Materials Provided by the Service Provider

Equipment or materials brought into India by the Service Provider and the Personnel and used either for the Project or personal use shall remain the property of the Service Provider or the Personnel concerned, as applicable.

10. Intellectual Property Rights (IPR)

The intellectual property rights to all the outputs, deliverables, data, reports developed during the execution of this Contract shall remain sole property of the Purchaser.

18. Specific Obligations of Service Providers Obligation:

a. Inspection of Site:

The exact floor shall be disclosed in Pre Bid meeting, however, it is located in Tower I, Jeevan Bharati Building, Connaught Place, New Delhi-110001. Scope of work is indicated Section-III, Annexure-VIII or in any other clause of this RFP enclosed. The scope of work indicated therein is only indicative of the probable nature of works and the entire scope of work is not limited to the information furnished there. The Contractor shall be deemed to have quoted after having satisfied himself as to the nature the sub-soil, the dimensions, levels, character and nature of all roads, existing drains, sewers, water and other main electrical and communication cables etc., and other things as regards any connections they may have with the works the subject matter of the Contract and he shall be deemed also to have inspected the Site of the Works and surroundings, the means of access thereto and to have generally obtained his own information on all matters and things which can in any way influence his tender. No claims for extra works or otherwise will be allowed in consequence of any misunderstanding, error or incorrect information on the above mentioned points or of any other inaccuracies in the reference thereto which may appear on the drawings or in the specifications or other records nor shall the Contract be nullified in consequence of any such misunderstandings, incorrect information or inaccuracies.

b. Maintenance of Contract Documents:

The Contractor shall furnish, free of charge a certified true copy of the Contract Document and two sets of drawings (if applicable) which may be issued during the progress of the work. These Documents shall be kept at the site Office in good order and the same shall at all reasonable times be made available for inspection and use by the NHA or his representatives or by other Inspecting Officers of the NHA. None of these documents shall be used by the Contractor for any purpose other than that of the activity described in this TENDER DOCUMENT.

c. Daily Diary Register:

A Daily Diary Register will be kept in the Engineers Office or at the Site Office. The Contractor or his representative will furnish every day at 09.00 hours, details of work for the day preceding and the Diary will be written up every day and jointly signed by the Engineer and the Contractor or their representatives in token of its correctness. A site order Book, serially numbered in the format to be prescribed by the Engineer will also be kept in the Engineer's Office or at Site Office and all day-to-day instructions to the Contractor will be written in that book. The Contractor or his representative shall report at 09.00 hours every day to see these instructions and sign them at the bottom in token of his having seen them. (This shall be applicable for works costing more than Rs.100 Lakhs for civil and composite works and Rs.30 Lakhs for other works).

iv. Weekly Progress Reports:

The contractor or his representative shall supply all information regarding procurement of materials and progress of work, as required by the Engineer for compiling weekly progress reports. This information shall be supplied before 09.00 hours on every Monday in respect of the preceding week. (This shall be applicable for works costing more than Rs.100 Lakhs for civil and composite works and Rs.30 Lakhs for other works on weekly basis and works costing less than Rs.100 Lakhs for civil and composite works and Rs.30 Lakhs for other works on monthly basis).

v. Contractor's Site Office and Amenities:

The responsibility for providing any accommodation, feeding and sanitary necessities for the workmen employed by the Contractor "shall be exclusively that of the Contractor and such facilities can be outside the Site provided by the CONTRACTOR. No space or other request will be allowed by NHA in this regard.

The Contractor shall not allow his workmen to put up any un authorised hutments, canteens & teashops etc., on the said floor. These, if any, shall be with the knowledge and prior approval of the NHA in writing. It shall be very clearly understood that the Contractor shall not put up any structures for housing his labour or his supervisory staff on the said floor or any other space in the building

vi. Employment of Efficient and Competent Staff on Works:

The Contractor shall provide and employ on the Site in connection with the works only such efficient and competent Engineers and Supervisors and other skilled, semi-skilled and unskilled labour as are necessary for the proper supervision and timely execution of the works. Orders given to the Contractor's Engineers / Supervisors shall be considered to have the same force as if these had been given to the Contractor himself. The Contractor shall engage obedient, honest and trust worthy labourers for work. If in the opinion of the NHA, any labour and staff is found not suitable for work or is of doubtful character, he/she shall at once be removed from the work.

In the event of the NHA being of the opinion that the Contractor is not employing on the Works sufficient number of staff and workmen as is necessary for the proper completion of the Works within the time prescribed, the Contractor shall forthwith on receiving intimation to this effect take additional staff and labour (at his own expense) specified by the NHA immediately of being so required and failure on the part of the Contractor to comply with such instruction will entitle the NHA to rescind the Contract under relevant clauses mentioned in this TENDER DOCUMENT.

Notwithstanding any provisions contained in clauses above, the NHA shall be at liberty to object to and require the Contractor to remove forthwith from the works any person who, in the opinion of the NHA misconducts himself or is incompetent or negligent in the performance of his duties and such person shall not be again employed upon the works without the written permission of the NHA. Any person so removed from the works shall be replaced by the Contractor as soon as possible by a competent substitute.

vii. Employment of Licensed Labour force:

The Labour force employed for specialized works such as plumbing, Electrical, Welding etc., shall be possessing the valid licence issued by the appropriate authorities

viii. Identification Badges / Passes:

The Contractor shall provide each of his employees including labour with identification badge at own cost. The employees shall display the badges on their person so that the badges are clear visible for checking by the gateman as they enter the premises of the Building. The badges shall be serially numbered. The Contractor's initials shall be printed above with an identification number on the badge.

The Contractor should immediately notify NHA if any of his badges is lost and a new one issued in its place, or when badges are carried away by discharged labour. No employee of the Contractor without a badge will be permitted to enter the premises of work, except in such case where special permission of the NHA / Engineer is obtained.

ix. Assignment and Sub-letting:

The Contractor shall not assign or sub-let the whole or any portion or portions of the Contract or allow any person to become interested therein in any manner whatsoever without the prior written approval of the NHA. Provided always that the provision of labour on a piece work basis shall not be deemed to be a sub-letting under this clause. The permitted sub-letting of work by the Contractor shall not establish any contractual relationship between the sub-contractor and the NHA and shall not relieve the Contractor from any liability or obligation under the Contract and he shall be responsible for the acts, defaults and neglects of any sub-contractor, his agents, servants or workmen as fully as if they were the acts, defaults or neglects of the Contractor, his agents, servants or workmen.

The contractor shall follow CTE guidelines and latest CVC guidelines from time to time.

x. Contractor's Co-ordination:

If during the course of the Contractors work, other works of the NHA or of other NHA's Contractors are also in progress within the same Plant / Site the Contractor is to use his best efforts to work in harmony with all the others and in the best overall interest of the Project /Work.

xi. Security Deposit :

xii. Watching and Lighting:

The Contractor shall at his own cost provide night watchmen at all parts of the work were necessary or required by the Engineer. He shall also keep all open trenches, excavations or other dangerous places properly and sufficiently lighted between sunset and sunrise and shall provide and fix proper fencing hoards and temporary bridges to protect and assist the normal traffic. The Contractor shall also at his own cost erect temporary fences on the Site where required by the Engineer.

The contractor shall specifically note that the site of work shall be maintained neat and tidy and no construction materials / debris are left lying haphazardly at the site of work. The site of work shall be cordoned off with temporary fencing / barricading with GI sheets / PVC sheets / or and other suitable materials as directed by Engineer-in-charge at his own cost

xiii. Water Supply and Electricity:

Compliance with Local Laws etc.:

The Contractor shall comply with all Acts, Rules, Bye-Laws, Regulations and all other statutory requirements local or other Authorities having jurisdiction over the site and shall be responsible for the payment of all fees and other charges and giving and receiving of all necessary notices, and keep the Engineer informed of the said compliance with such Act, Rules, Bye-Laws, Regulations, Statutory requirements, payments made, notices issued and received.

The following clauses shall be applicable for Electrical works:

The installation, testing and commissioning of all electrical works shall generally be in conformity by Central Electricity regulatory commission and Electricity Supply Companies, as amended up to date, relevant Indian Standard Code of Practices for Electrical Installation in Buildings (latest), National Electrical Code (latest) and Supply Regulations as stipulated.

The Contractor shall ensure that the electrical works shall be carried out by the agency holding valid electrical Contractor's License of appropriate class issued by the State Electrical Inspectorate and licensed wiremen.

Installation work shall be carried out under the supervision of a Supervisor holding the supervisory competency certificate issued by the State Electrical Inspectorate.

xiv: Compliance with Local laws and Compliances : Contractor shall abide by all the local and central laws of India as per the jurisdiction of the Site , ensure to fulfill the compliance requirements as may be stated in the applicable laws and shall indemnify NHA in case of any claims raised due to any act and/or omission of the Contractor. NHA shall never be liable for any such claims.

xv. Statutory and other Obligations Regarding Workmen:

The Contractor shall comply with Central / Local and State Regulations and Enactments pertaining to workmen and labour and the Engineer shall have the right to enquire into and decide all complaints on such matters.

The Contractor shall remain liable for the payments of all wages or other money to his employees or labourers under the Minimum Wages Act, Payment of Wages Act, Employees Liability Act, Workmen's Compensation Act, PF and ESI Act or any other enactments and rules made applicable from time to time. The Contractor shall also comply with the provisions of the Apprenticeship Act, Contract Labour (Regulation and Abolition) Act and the Rules and Orders issued there under from time to time.

The Contractor shall be liable to pay the wages directly to the workmen employed by him on the works without the intervention of any Jamedars or Thekadars and the Contractor shall ensure that no amount by way of commission or otherwise is deducted or recovered by the Jamedars / Thekadars from the wages of the workmen.

It is obligatory on the part of the Contractor to forward the declaration forms to the ESI authorities for issue of ESIC numbers, make timely contribution towards ESI and PF in accordance with the provisions of relevant acts from time to time in respect of labour engaged by him for all the works executed in the NHA. The Contractor should contact the jurisdictional ESI and PF authorities and arrange to observe all formalities such as maintenance of muster rolls, opening of identification cards, making remittance etc. The proof of having remitted ESI and PF contribution as well as clearance obtained from the authorities will have to be given by the Contractor while preferring the bills.

The Contractor shall work only during the daylight hours as approved by the Engineer unless he obtains the prior written approval of the Engineer to do otherwise. If such approval is given, no liability in respect of any excess cost arising there from shall be borne by the NHA.

The Contractor shall be solely liable for all the pecuniary and other consequences arising on account of any violation or default by him in respect of the provisions of the above mentioned Acts and Regulations and any other statutory, obligations which may be in force regarding the conditions of employment of workmen from time to time. In addition, any such failure or violation or default will constitute a breach of the Contract conditions and is liable for action in terms of Clause 8.1.1.3.

In case of new workers not having ESI number, they will be allowed to the work site only after the declaration forms are filled and submitted to the Security / Personnel Department.

It is also obligatory on the part of the Contractor to make timely contribution towards PF in accordance with the provision of PF Act in respect of labour engaged by him for all works executed in the NHA.

Contractors / firms / establishments having their own code numbers for PF and ESI, they may remit the contributions in their respective codes. However, in such cases, copies of muster roll, wage register, ESI / PF remittance, copies of the returns shall be furnished to the Engineer for verification and records while preferring bills.

The Contractor's workers will be permitted to enter the work site only on production of documentary evidence in support of the Contractor in possession of valid license under Contract Labour (Regulation and Abolition) Act 1970; having remitted contribution promptly to PF and ESI with the declaration that, it covers for all the labourers working against this contract.

The Contractor is also required to furnish the data in respect of the workers engaged by him against the work order / job contract etc., including the details of PF, ESI No. etc., to Engineer / Executive-in-charge of work and CSO.

The Contractor shall be responsible for obtaining power sanction / approval from the State Electricity Board / Electrical Inspectorate etc., as required including licensing services unless otherwise specified. The statutory payments for arranging power supply shall be paid by the Contractor initially. All statutory payments paid by the Contractor to the Govt. Bodies in this regard will be reimbursed based on the proof of incurrence of such costs. The Contractor shall furnish the power sanction, approval etc., of the above agencies after arranging the power supply.

The inspection fee etc. shall be paid by the NHA only for the first Inspection. In case of defects being pointed out by the above agencies, the Contractor shall remove these defects at his own cost and arrange for re-Inspection by the above agencies till such time the installation is finally approved and required certificate is issued. The Contractor shall bear all expenses and deposit the necessary fee for the second and subsequent inspection by the above agencies.

The Contractor shall be responsible for getting approval / permission for water Supply, sewage disposal connections including road cutting etc., unless otherwise specified as required from the concerned State Government authorities / agencies like Water Supply and Sewerage Board, Town Development Authority, Electricity Board etc. Only the initial fee paid by the Contractor to Government bodies will be reimbursed based on the proof of incurrence of such costs. Contractor shall be responsible for carrying out requisite works for water supply, sewerage connections and cable laying etc., including servicing the lines / cables and linking the same for main lines including requisite meters.

xvi. Safety Regulations:

During the execution of work, unless otherwise specified, the Contractor shall at his own cost provide the materials for and execute all shoring, timbering and strutting work necessary for the stability and safety of all the structures, excavations and works and shall ensure that no damage, injury or loss is caused or is likely to be caused to any person or property.

The Contractor shall be responsible to take all precautions to ensure the safety of the public whether on public or NHA property and shall post such lookout men as may in the opinion of the Engineer be required.

The Contractor must take sufficient care in moving his construction plants and equipments and other materials from one place to another so that they do not cause any damage to the property of the NHA or the public, particularly to structures, overhead wires and cables (Laid underground or otherwise). In the event of any damages resulting to any property as aforesaid, the cost of such damages including eventual loss of working hours in any Plant as estimated by the NHA, shall be borne by the Contractor.

The contractor shall, at his cost, provide all necessary facilities such as ladders, scaffolding, railing, platform, inspection lamps, safety ropes etc., for the safe working of his or his sub-contractor's workmen and also for the inspection of the Works by the NHA's officials. The contractor shall provide safety footwear in the form of leather shoes for the workmen engaged for the work and insist them wear the same as safety point of view.

In case of dismantling / demolition, the Contractor shall take necessary care not to damage the existing structure / materials while executing the proposed work and any damage, if caused, should be rectified by the Contractor at his cost so as to restore the structure / materials, as they existed earlier.

The Contractor shall report all accidents immediately to the Department who will make arrangement for forwarding of the reports to the concerned authorities.

xvii. Patent Rights and Royalties:

The Contractor shall fully indemnify the NHA and all agents, servants and employees of the NHA against any action, claim or proceeding relating to infringement or the use of any patent or design or any alleged patent or design rights and shall pay any royalties or other charges which may be payable in respect of any article or part thereof included in the Contract. In the event of any claims being made or action being brought against the NHA or any agent, or servant, or employee of the NHA in respect of any of the matters aforesaid, the Contractor shall be notified thereof for taking necessary action at his cost.

Materials obtained from Excavation / Dismantling:

All useful materials (obtained from dismantling / demolition) and all fossils, coins, articles of value etc., which are found during the excavation or, any other work should be moved to NHA's stores and stacked there neatly as directed at no extra cost to the NHA.

All materials such as stones, boulders, wood, steel etc., obtained during excavation / dismantling shall become the property of the NHA and the same if required and directed by the Engineer shall be stacked at site and or moved to NHA's stores and stacked there as directed at no extra cost to the NHA.

xix. Nuisance:

The Contractor shall not at any time do cause or permit anyone to do or cause any nuisance on the Site or do anything which shall cause unnecessary disturbance or inconvenience to the NHA or to the owners, tenants or occupiers of other properties near the Site and to the Public generally.

xx. Indemnity and Insurance:

The Contractor shall indemnify and keep indemnified the NHA against all losses and claims for injuries or damage, accident to any persons or any property whatsoever which may arise out of or in consequence of the construction and maintenance of the works against all claims, demands, proceedings, damages, costs, charges and expenses whatsoever in respect of or in' relation thereto. The Contractor shall directly be liable for any such losses caused due to its act and/omission.

The Contractor shall obtain at his expense an Insurance Policy in the joint names of the NHA and the Contractor. Covering the following risks and lodge the policy with the NHA.

- Works including temporary structures, materials, tools etc., on the site against damage by fire, burglary, strikes, riots and civil commotion and natural calamities like floods, earthquake, explosion etc.
- The workmen employed by the Contractor and who have not been covered under ESI against Workmen Compensation Act and other statutory laws where compensation is payable by the Contractor.
- Damages to property of third parties including neighbouring buildings etc.'

A Damages to third parties including the visitors, neighbors and other passers-by against any claim that may arise due to accidents on account of the incidental risks, which may occur during the execution of works. The limit of insurance coverage to be taken under Cl. No. _____ shall be 10% of the contract value.

All claim amounts against the policy shall be payable to the NHA and not to the Contractor. He shall keep the policy renewed from time to time even for the extended period of contract, if any, and at the contractors cost until the NHA issues the certificate of completion. If at any time, the policy so obtained and kept with, the NHA expires; it shall be lawful for the Engineer to stop further payments until the duly renewed policy is lodged with the NHA.

The Insurance policy shall be obtained for the total value of the work awarded including the cost of materials, if any that may be issued by the NHA. Insurance Policy is not required to be obtained: If the value of work is less than Rs.1 Lakh.

xxi. Compliance of Instructions:

Whenever the Contractor fails to comply with the instructions of the Engineer, it shall be lawful for the Engineer to have the work done through other Contractors or departmentally or otherwise and the cost incurred thereon shall be deducted from any money due or becoming due to the Contractor.

19. Additional Obligations

i. Issue of Working Drawings:

Sufficient quantum of approved working drawings marked valid for construction shall be issued by the NHA to the Contractor at the beginning to start with and further working drawings necessary to proper execution and completion of works will be issued progressively during the pendency of the Contract. The Contractor shall not be entitled to put forth any claim(s) whatsoever on account of delay in receipt of drawings.

The tender drawings have been evolved tentatively based on the information available, but the dimensions and details etc., are liable to changes. The Contractor shall not be entitled to claim any higher rate or compensation on this account. The Contractor, will therefore, be required to execute the work as per detailed approved drawings issued from time to time.

The tender drawings indicate the extent and general arrangement of various equipments, items and their wiring etc., and are essentially Diagrammatic. The work shall be carried out as indicated in the drawings and as directed / required. However, if any minor change

is found essential to co-ordinate the installation of this work with other works, the same shall be made without any additional cost on this account.

ii. Sufficiency of Information / Details:

The Contractor shall from time to time check all drawings and specifications furnished to him on their receipt and shall promptly notify the Engineer of any omission or discrepancies thereof. In case of ambiguities or discrepancies between drawings and specifications or Schedule of Quantities and Rates or any of them with each other, the case shall be referred to the Engineer in writing, and his decision shall be final and binding on the Contractor.

iii. Access to Site:

The contractor shall make temporary arrangements at his own cost for any approaches / accesses required for the movement of men and materials to his working places and material yard within the boundary of the site. If directed by the Engineer the contractor shall remove and make good temporary arrangements after completion of the works.

During the progress of work, the Contractor shall keep the Site reasonably free from all unnecessary obstructions. The existing roads or watercourses or pipes, electrical lines and conduits shall not be blocked, cut through, diverted or obstructed in any way by the Contractor, except with the permission of the Engineer in writing.

All operations necessary for the execution of the work and for the construction of any temporary work shall, so far as compliance with the requirements of the Contract permits, be carried on so as not to interfere unnecessarily or improperly with the convenience of the public or the access to the use and occupation of public or private roads, including approach roads from the main road and footpaths, and of properties whether in the possession of the NHA or any person.

All compensation claimed for any unauthorised closure, cutting through, alteration, diversion or obstruction to such roads or water courses, etc., against the Contractor or his agent or his staff shall be recoverable from the Contractor by deduction from any sums which may become due to him in terms of the Contract or otherwise according to law.

iv. Passage of Traffic:

During progress of work in any street or thoroughfare, the Contractor shall make adequate provision for the passage of traffic, for securing safe access to all premises approached from such street or thoroughfare and for any drainage, water supply or means of lighting or telephones, etc., which may be interrupted by reason of the execution of the Works and shall erect and maintain at his own cost diversions, barriers, lights and other safeguards as prescribed by the Engineer for warning or regulation of traffic and shall provide the watchmen necessary to prevent accidents. The Works, shall in such cases, be prosecuted night and day if so ordered by the Engineer and with such vigour so that the traffic may be impeded for as short a time as possible. No claim for extra payment shall be entertained by the NHA in this regard.

v. Setting-out of Works:

The Contractor shall be responsible for the true and perfect setting out of the Works and for the correctness of the positions, levels, dimensions and alignment of all parts of the Works. All measurements shall comply with the dimensions noted on the drawings and / or as directed. If at anytime during the progress of Work, any error shall appear or arise in the positions, levels, dimensions or alignments of any part of the Work, the Contractor, on being required to do so by the Engineer, shall at his own expenses rectify such errors to the satisfaction of the Engineer notwithstanding that he may have been assisted by the Engineer in setting out the same earlier.

vi. Care of Works:

In the event of any accident or failure occurring or being likely to occur in or on the works which, in the opinion of the Engineer, required immediate attention either during the work period or the defect liability period, the Engineer may direct the Contractor by written notice to take necessary remedial action and if the Contractor fails to take action as directed by the Engineer within 3 days of such notice, the NHA may,

by its own workmen or employing any other agency, make the necessary repairs or precautionary works and recover the costs from the Contractor.

vii. Site Drainage:

All water, which may accumulate on the Site during the progress of the Works, or in trenches and excavations, shall be removed promptly from the Site to the satisfaction of the Engineer and at the Contractor's expense.

Viii. Schedule of Quantities and Rates:

The Schedule of Quantities and Rates attached to the Agreement indicates the quantities to be executed. But it is to be clearly understood that these quantities are approximate and are liable to omission, variations, alterations by deductions or additions or deletions at the discretion of the NHA. The Contractor shall neither be entitled for any revision of rates owing to variations in actual quantities of work done in relation to the quantities indicated in the Schedule of Quantities and Rates nor shall be entitled to any loss of consequential profits or for any other damages arising thereof. The Contractor shall be paid only for the actual quantities of work executed and according to the accepted tender rates. "

The probable items envisaged have been indicated in the BOQ. It is not obligatory on the part of the NHA to execute all the items and only the items as necessitated to suit the requirement of works will be operated. Also the quantum of work under each item is at the discretion of the NHA.

The rates indicated against each item in the Schedule of Quantities and Rates shall be deemed to compensate for all minor constructional details which are not specifically mentioned, but are fairly and obviously intended and are essential for the full and final completion of the Works and the Contractor is not entitled to make any extra claims on this account.

The rates quoted by the Contractor under each item of work shall be for the complete finished work and shall be inclusive of all materials, labour, tools, plant, equipment, transport, hoisting, setting, fixing and including all royalties, taxes and duties, sales tax on works contract, insurance, PF and ESI contribution to labour as per the relevant acts and rules made applicable from time to time (except to the extent specifically excluded). Service Tax will be excluded from the above and will be paid separately to the contractor, if applicable, based on the documents furnished by them. The quoted rates shall remain firm during the entire period of Contract and shall not be subjected to any escalation either due to increase in cost of materials, labour, equipments, transport etc., or for any other reason whatsoever, during the entire period of the Contract. However, any change in statutory levies (i.e., Sales tax on works contract etc.,) and introduction of new taxes, levies, duties, if any, imposed after the date of submission of tender will be reimbursed by the NHA on production of documentary evidence. Any decrease in the above will be passed on to the NHA by the contractor. The reimbursement is applicable for the period of contract including / extended period, if any, due to reasons not attributable to the contractor.

The tenderers shall note that 'C' form will not be issued by the NHA.

ix. Equipment needed for the Works:

The contractor shall, at his own expense, provide all the Equipments required for the works.

All equipment to be provided by the contractor shall be in conformity with the

specifications laid down or Referred to in the contract and the contractor shall, if requested by the engineer furnish proof to the satisfaction of the Engineer, that the equipment so comply.

The contractor shall, at his own expense and without delay, provide to the Engineer samples I details of Equipments proposed to be used in the works. The Engineer shall within a reasonable time after receipt of samples or within such further period as intimated to the contractor in writing, inform the contractor whether the samples are approved by him or not. If samples are not approved, the contractor shall forthwith arrange to procure fresh samples complying with the required specifications, for approval by the Engineer.

The Engineer shall be entitled to have tests carried out as specified or referred to in the contract for any Equipment provided by the contractor at the cost of the contractor and the contractor shall provide at his expense all facilities which the Engineer may require for the purpose. if no tests are specified in the contract but certain tests are considered necessary by the Engineer, the contract shall provide all facilities required for the purpose and the charges for these tests shall be borne by the contractor.

All equipment and parts thereof shall be of such design as to properly and satisfactorily function under all Conditions of loading and operation. All the components of equipment shall have proper factor of safely, maximum efficiency and minimum wear. They shall be able to withstand the environmental conditions encountered at the specific location whether specifically mentioned in the specification or not. Equipment shall be new free from defects and of best quality. All the equipments shall conform to the latest revised relevant Indian standards. Equipment which do not conform to either Indian standards or any other international standards accepted in India shall be got approved by the Engineer by furnishing a sample and the same shall bear a test certificate and performance certificate from recognized test house.

All lifting and crane arrangements etc. required for erection and installation of equipment shall be the Responsibility of and be owned / hired by the contractor. These equipments shall have valid test certificates from the inspector of factories.

x. Work specification and Mode of Measurements:

The specifications and mode of measurements to be followed for the building and other civil works / services shall be in accordance with CPWD specifications and relevant Indian standards (latest edition) for all other works unless otherwise clearly specified in the Schedule of Quantities and Rates and in Detailed Technical Specifications read together with the drawings issued under the contract.

The work specification and mode of measurement to be followed for all electrical works shall be in accordance with the relevant Indian Standards (latest edition) applicable for electrical installation in buildings unless otherwise clearly specified in the Detailed Technical Specifications or in the Schedule of Quantities and Rates of this contract.

In the absence of specifications and mode of measurements for the particular work in the said CPWD specifications the provisions contained in the relevant Indian Standard Code of Practice (latest edition) shall be followed. In case neither CPWD specification nor the relevant IS code of practice clearly indicate the specifications to be adopted for any particular type of work, the same shall be determined by the Engineer in accordance with the local specification, good engineering practice and manufacturer's recommendations. The decision of the Engineer shall be final and binding on the Contractor.

Notwithstanding the foregoing provisions, if there is any discrepancy / difference between the description of the standard specification and mode of measurement in the CPWD / IS and the description of the

specification / mode of measurement for such items in the schedule of quantities and rates / detailed technical specification and drawings, the following order of preference shall be followed in all such cases.

Specification / description of items including mode of measurement specified (if any) in the schedule of quantities and rates.

Detailed Technical Specifications.

Drawings.

CPWD Specifications / IS code of practice as applicable under the provisions of this Clause .

xi. Materials to be supplied by the Contractor:

Unless otherwise specified, the Contractor shall at his own expense, provide all the materials required for the Work.

All materials to be provided by the Contractor shall be in conformity with the specifications laid down or referred to in the Contract and the Contractor shall if requested by the Engineer, furnish proof, to the satisfaction of the Engineer that the materials so comply.

The Contractor shall procure all the materials required for the work from the approved manufacturers / distributors only, as directed by the Engineer, and shall furnish, if demanded, a copy of purchase order for scrutiny by the Engineer.

The Contractor, shall, at his own expense and without delay, supply to the Engineer samples of materials proposed to be used in the Works. The Engineer shall within a reasonable time after supply of samples or within such further period as intimated to the Contractor in writing, inform the Contractor whether the samples are approved by him or not. If samples are not approved, the contractor shall forthwith arrange to procure fresh samples complying with the required specifications, for approval by the Engineer.

All materials required for proper execution of work shall be procured and stored at site before taking up the day's work to ensure that the work is not suffered for want of any of the required materials. The Contractor will be permitted to start the work only when all the materials have reached the site of work and got approved by the Engineer. Further, as far as possible, materials

shall be transported to working place just prior to their actual use and shall not be left lying around indefinitely. Instructions of the Engineer shall be followed strictly in this regard.

xii. Reconciliation of Materials

The contractor shall maintain proper accounting and records for procurement, usage and balance availability of important materials like cement, paint, bitumen, anti-termite chemicals etc., on day-to-day basis and shall obtain the approval of the Engineer. The difference between the actual quantity of cement / paint / bitumen / anti-termite chemicals etc., brought by the contractor for use on the works and the theoretical quantity of materials to be used on the work calculated based on the final measurements of work and based on the co-efficient given in CPWD / Technical specifications volume II and analysis of rates will be compared. The under-utilization, if any; beyond the permissible 5% under usage shall be charged at the penal rate as specified below will be covered from the bill of the Contractor. The penal recoveries are without any prejudice to the rights of the NHA to take any other action under the Agreement.

xiii. Property in Materials / Equipments and Plant:

The Contractor shall make at his own cost arrangements for all the necessary plant, equipment, tools and tackles required for the work. The Contractor must undertake to ensure that all tools and tackles are available at the site in perfect working order and properly

maintained till the completion of contract. The Contractor shall submit the list of equipment, which he proposes to bring to the site. Tools and tackles shall not be removed from the site without the prior permission of Engineer-in-charge.

All materials / equipments and plant after immediately being brought by the Contractor upon the Site or on the land occupied by the Contractor in connection with the works shall be deemed to be the property of the NHA and shall not be removed from the Site without the prior written approval of the Engineer. Such of them as during the progress of the Works are rejected by the Engineer or are declared by him not needed for the execution of the Works or such as on the grant of the Certificate of Completion remain unused shall, immediately on such rejection, declaration or grant, cease to be deemed as the property of the NHA and the Contractor may then (but not before) remove them from the Site or the said land after obtaining written approval of the Engineer. This clause shall neither in any way diminish the liability of the Contractor nor shall the NHA be in any way answerable for any loss or damage which may happen to or in respect of any such materials or plant either by the same being lost, stolen, injured or destroyed due to fire, tempest, floods or otherwise.

xiv. Storage of Materials:

The Contractor shall at his own expense provide suitable sheds and storage yards in such places and in such numbers as in the opinion of the Engineer are needed for orderly and proper storage of materials either supplied by the NHA or brought by the Contractor for the Works. He shall obtain approval in writing from the Engineer for the erection of such sheds and storage yards before undertaking construction thereof. Storage and safe custody of materials shall be the responsibility of the Contractor.

The Contractor shall take care to see that the materials such as timber, lime, cement and the like which are likely to deteriorate / cause damage by the action sun, wind, rain, dampness or other natural causes due to exposure shall be protected by providing suitable covered sheds at his own cost. The method of storing of materials shall be as described in the CPWD specifications and or as directed.

xv. Workmanship and Testing:

The work to be done under the contract or that may be necessary to be done in order to form and complete any part thereof shall be executed in the best and most substantial workman like manner, with material / equipments of the best and most approved quality of their respective kinds, and both the work and materials / equipments should conform to the particulars contained in or implied by the specifications and as referred to and represented in the Drawings or in such other additional particulars, instructions and documents as may be found requisite to be given during the execution of the Works and to the entire satisfaction of the Engineer according to the instructions and directions which the Contractor may from time to time receive from the Engineer. The materials / equipments may be subjected to tests by means of such machines, instruments and appliances as the Engineer may direct and such tests shall be carried out by the Contractor wholly at his expense. The testing charges for conducting mandatory tests including the cost of materials to be tested and all other incidental charges such as carriage to the test laboratory etc., shall be borne entirely by the contractor. The testing shall be done in Govt. / NABL accredited / Govt.

Approved laboratory only. It may be specifically noted that the tests to be conducted are not limited to the mandatory tests alone and additional tests if required and directed by the Engineer on any materials including the approved makes etc., shall be carried out by the Contractor.

The Engineer shall be entitled to have tests carried out as specified or referred to in the Contract for any materials supplied by the Contractor and the Contractor shall provide all facilities which the Engineer may require for the purpose. If no tests are specified in the Contract, but certain tests are considered necessary by the Engineer, the Contractor shall provide all facilities required for the purpose and the charges for these tests shall be borne as under:

The electrical installation executed shall be tested in accordance with standard testing procedures in the presence of Engineer or his authorised representative. The Contractor shall ensure that the test results are satisfactory and in conformity with the standard test results accepted for such works.

xvi. Inspection and Approval:

All equipments and parts thereof shall be inspected and tested by the contractor before shipment. In addition, equipments or parts thereof shall be subjected to shop inspection and testing by the Engineer or his representative before shipment to ensure conformity with the accepted laid down specifications. No equipment shall be shipped without the prior written consent of the Engineer or his authorised representative. The contractor is responsible for providing all tools, instruments and other requirements for conducting such also inspection and testing by the Engineer or his representative he contractor shall also provide all facilities to the Engineer or his representative for inspecting and testing. However, the shop floor inspection of equipments by the Engineer or his representative before shipment shall not prejudice NHA's claim for rejection of the equipments on final inspection at site and does not relieve the contractor from the responsibility that all equipments provided shall be free defects and suited in all respects for the purpose intended.

The Contractor shall provide at all times during the progress of Work and also during the defect liability period proper means of access with ladders, gangways etc., and the necessary attendants to move and arrange things as directed for the inspection or measurements of work by the Engineer or his representative.

All Works embracing more than one process shall be subject to examination and approval at each stage thereof and the Contractor shall give due notice in writing to the Engineer or his authorised representative when each stage is ready. In default of such notice, the Engineer shall be entitled to appraise the quality and extent thereof.

No Work shall be covered up or put out of view by the Contractor without the approval of the Engineer or his authorised 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. Similarly, no work involving pre measurement shall be taken up without a specific authorisation by the Engineer. The Contractor shall give reasonable notice of not less than 2 days but not more than 4 days in any case, in writing to the Engineer or his representative whenever any work or materials are intended to be covered up in the earth, in bodies or walls or otherwise to be placed beyond the reach of measurement in order that the work may be inspected and approved by the Engineer or that correct dimensions may be taken before being so covered up. The Engineer or his representative shall, without unreasonable delay, unless he considers it to be unnecessary and advises the Contractor accordingly, attend for the purpose of examining and measuring such work or materials intended to be covered up. In the event of the failure of the Contractor

to give such notice, such work / materials shall be uncovered, if required by the Engineer or his representative at the Contractor's expense. .

The Contractor shall uncover any part of the Works and / or make openings in or through the same as the Engineer from time to time directs for his verification and shall reinstate and make good such part to the satisfaction of the Engineer. If any such part has been covered up or put out of view after being approved by the Engineer and is subsequently found on uncovering to be executed in accordance with the Contract, the expenses of uncovering and or making openings in or through reinstating and making good the same shall be borne by the NHA. In any other case all such expenses shall be borne by the Contractor.

The Contractor shall leave necessary holes / openings / recesses in the foundations, plinths, walls, R.C.C. roofs and similar Works where and as required by the Engineer for passage of pipes, cables, wires, etc., and make good later without any extra cost to the NHA.

xvii. Removal of Improper Work and Materials I Equipments:

The Engineer shall have power to check and reject at any stage such work which he considers to be defective in quality of materials / equipments or workmanship and nothing shall prevent him from rejecting wrought materials (i.e., materials made ready for use on works) which have been previously passed by him in an unworked condition. The Contractor shall immediately arrange to replace the defective materials I equipments by proper and suitable materials / equipments with the approval of the Engineer and carry out rework of the rejected work at his own cost and to the satisfaction of the Engineer. In the event of failure on the part of the Contractor to carry out his obligations under this clause, the Engineer shall have the right to get the work done through other agencies at the risk of the Contractor and to recover the cost in full from the Contractor.

All rejected materials / equipments will at once be removed from the Site by the Contractor to such distances as may be desired, failing which the Engineer after giving three days' notice in writing may do so and recover the cost of removal of the same from the Contractor.

xviii. Urgent Works:

If any urgent work (in respect whereof the decision of the Engineer shall be final and binding) becomes necessary for safety of the Work or personnel and the Contractor is unable or unwilling to carry it out, the Engineer shall have right to employ departmental labour or other agencies as he may consider expedient. All expenses incurred on it by the NHA shall be recoverable from the Contractor and be adjusted or set off against any sum payable to him.

xix. Temporary Suspension of Works:

The Engineer shall have the right to require the discontinuance of the work in whole or in part for such time as may be necessary, should the condition of work or weather or other contingencies make it desirable to do so in order that the works shall be well and properly executed. Extension of time shall be granted to the Contractor for discontinuance of work so required provided the suspension is for a period of at least one month in a single spell. No other claim in this respect for compensation or otherwise, however, shall be admitted.

During the inclement weather, the Contractor shall suspend concreting work for such time as the Engineer may direct and shall protect from damage all works and materials in the course of constructions / erection.

Should work be suspended by reason of rain, strike, lock outs or other causes, the Contractor shall take all necessary precautions for the protection of Works and shall at his own expense make good any damage arising from any of these causes.

xx. Clearance of Site on Completion:

As a part of the work* included in this Contract, the Contractor shall completely remove and satisfactorily dispose off all temporary works to the extent directed. He shall tear down and dispose of all temporary buildings, shall remove or grade to the extent directed all embankments made for construction purposes, shall satisfactorily dispose off all rubbish resulting from the operations under this Contract and shall do all work necessary to restore the territory embraced within the Site of his operations to atleast as good order and conditions as at the beginning of the Work under this Contract.

No final payment in settlement of the accounts for the Works will become due and shall be made to the Contractor till, in addition to any other conditions necessary for such final payment, site clearance has been effected by him. In the event of his failure to comply with this provision within fourteen (14) days after receiving notice to that effect, such clearance may be made by the Engineer at the expenses of the Contractor. Should it become necessary for the Engineer to have the Site cleared at the expense of the Contractor, the NHA shall not be held liable for any loss or damage to such of the Contractor's property as may be made on the site and due to such removal there from, which removal may be effected by means of public sale of such materials and property or in any other way as deemed fit and convenient by the Engineer.

After completion of the work, the whole area should be left clean of all rubbish etc., before handing over the site.

20. Service provider's personnel

1. General

The Service Provider shall employ and provide such qualified, experienced and trained Personnel as are required to carry out the Services.

2. Project Manager

If required by the Purchaser, the Service Provider shall ensure that at all times during the Service Provider's performance of the Services a Project Manager, acceptable to the Purchaser, shall take charge of the performance of such Services.

21. Obligations of the purchaser

1. Assistance and exemptions

Unless otherwise specified in the **SC**, the Purchaser shall use its best efforts to ensure that the Government shall:

- a. Issue to officials, agents and representatives of the Government all such instructions as may be necessary or appropriate in its opinion for the prompt and effective implementation of the Services.
- b. Provide to the Service Provider and Personnel any reasonable assistance as may be required in its opinion specified in the SC.

2. Change in the applicable Law Related to Taxes and Duties

- a. The Service Provider and their Personnel shall pay taxes, duties, fees, and other impositions levied under the Applicable Laws of India.
- b. The Service Provider shall be entirely responsible for all taxes, duties, octroi, license fees, and demurrage charges etc., incurred of the contracted Services to the Purchaser. If there is any reduction or increase in duties and taxes due to any reason whatsoever, after Notification of Award, the same shall be passed on to the Purchaser/Service Provider.

3. Payment

Inconsideration of the Services performed by Service Provider under this Contract, the Purchaser shall make to the Service Provider such payments and in such manner as is provided by Clause **GC 4.1.6** of this Contract.

4. Currency of Payment

All payments shall be made in Indian Rupees

5. Terms of Payment

The payments in respect of the Services shall be made as follows:

- a. The Service Provider shall submit invoice for payment when the payment is due as per agreed terms. The payment shall be released as per the work-related milestones achieved.
- b. The invoices submitted by the Service Provider and the respective SLAs to be imposed thereon, if any, will be processed and verified by NHA.
- c. All payments under this Contract shall be made to the accounts of the Service Provider specified in the SC.

- d. In the event of any wrong payment to Service Provider, the difference shall be adjusted in the subsequent payments.
- e. In case of early termination of the contract, the payment shall be made to the Service Provider as mentioned here with:
 - i. Assessment should be made about work done from the previous payment period, for which the payment is made or to be made till the date of the termination.
 - ii. The Service Provider shall provide the details of the output/services performed during this period with supporting documents. Based on such details, the payment shall be calculated based on the rate as specified.

22. Good Faith

The Parties undertake to act in good faith with respect to each other's rights under this Contract and to adopt all reasonable measures to ensure the realization of the objectives of this Contract.

23. Operation of the Contract

The Parties recognize that it is impractical in this Contract to provide for every contingency which may arise during the life of the Contract, and the Parties hereby agree that it is their intention that this Contract shall operate fairly as between them, and without detriment to the interest of either of them, and that, if during the term of this Contract either Party believes that this Contract is operating unfairly, the Parties will use their best efforts to agree on such action as may be necessary to remove the cause or causes of such unfairness, but failure to agree on any action pursuant to this Clause shall not give rise to a dispute, subject to arbitration in accordance with Clause GC 4.1.8 hereof.

24. Settlement of disputes

1. Amicable Settlement

Performance of the contract is governed by the terms & conditions of the contract. In case of dispute arises between the parties regarding any matter under the contract, either Party of the contract may send a written Notice of Dispute to the other party. The Party receiving the Notice of Dispute will consider the Notice and respond to it in writing within 30 days after receipt. If that party fails to respond within 30 days, or the dispute cannot be amicably settled within 60 days following the response of that party, clause GC 4.1.8.2 shall become applicable.

2. Arbitration

- a. Any dispute between the Parties arising out or in connection with this contract or in respect of any defined legal relationship associated therewith or derived there from, the Parties agree to submit that dispute to arbitration as per the Arbitration & Conciliation Act, 1996, to be decided by a sole arbitrator. The authority to appoint the arbitrator shall be the National Health Authority (NHA).
- b. The arbitration proceedings shall be held at New Delhi, India and language used in these proceedings shall be English.
- c. The decision Arbitrator appointed to deal with such matters shall be accepted by the parties as final and binding on parties.
- d. The decision to continue of performance of their respective remaining obligation under this contract or to rescind the contract shall be decided mutually, despite the continuation of arbitration proceedings.
- e. The parties shall use their best endeavors to procure that the decision of the arbitrator is given within a period of six months or as after as is possible after it has been demanded.
- f. The courts in New Delhi, India shall have exclusive jurisdiction in relation to this contract including this clause.
- g. All fees for pertaining to arbitration proceedings shall be borne by the parties equally.

- h. All other costs incurred by the parties shall be borne by the respective parties.

25. Penalties

1. Definition

All penalties shall be as specified in the contract. In addition, the Purchaser reserve the right to terminate the contract and recover the liquidated damages by forfeiting the performance guarantee submitted by the Service Provider. If the penalties accumulate beyond 1,00,00,000 (INR one Crore only) then Purchaser can terminate the contract by forfeiting the PBG and has no liability of making and or remaining payment.

26. Adherence to rules & regulations

1. Adherence to Safety Procedures, Rules, Regulations, & Restrictions

- a. The Service Provider shall comply with the provisions all relevant Acts which are applicable and other related Laws/Acts/Policies/Guidelines/Regulation, etc. including the amendments thereof particularly with employing workers and carrying out construction activities.
- b. The Service Provider shall also comply with provisions of all laws including labour laws, rules, regulations and notifications issued there under from time to time. All safety and labour laws enforced by statutory agencies and by Purchaser shall be applicable in the performance of this Contract and the Service Provider shall abide by these laws.
- c. Access to the data centre/data processing sites and Purchaser's locations shall be restricted to only essential personnel belonging to the Service Provider who are genuinely required for execution of work or for carrying out management/ maintenance who have been explicitly authorized by the Purchaser. The Service Provider shall maintain a log of all activities carried out by each of its personnel.
- d. The Service Provider shall take all measures necessary or proper to protect the personnel and facilities and shall observe all reasonable safety rules and instructions. The Service Provider shall adhere to all security requirement/regulations of the Purchaser during the execution of the work.
- e. The Service Provider shall take all measures to ensure compliance with all applicable laws and shall ensure that the Personnel are aware of consequences of noncompliance or violation of laws including Information Technology Act, 2000 (and amendments thereof).
- f. The Service Provider shall report as soon as possible any evidence, which may indicate or is likely to lead to an abnormal or dangerous situation and shall take all necessary emergency control steps to avoid such abnormal situations.
- g. The Service Provider shall at all times indemnify and keep indemnified the Purchaser for any situation arising out of this clause while providing its services under the Project.

27. Limitation of liability

1. Limitation of Liability

Except in case of gross negligence or willful misconduct:

- a. Neither party shall be liable to the other party for any indirect or consequential loss or damage, loss of use, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Service Provider to pay liquidated damages to the Purchaser; and
- b. The aggregate liability of the Service Provider to the Purchaser whether under the Contract, in tort, or otherwise, shall not exceed the total amount specified in the contract, or to any obligation of the Service Provider to indemnify the Purchaser with respect to patent infringement or any third party claims.

- c. The liability of Purchaser to Service Provider shall be limited to the amount of fees payable under the contract. The Purchaser shall not be liable to the Service Provider in case of any loss or profits or additional costs incurred etc. subsequent to termination of contract.

28. Miscellaneous provisions

1. Miscellaneous Provisions

- a. Any failure or delay on part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.
- b. The Service Provider shall notify the Purchaser of any material change in their status, in particular, where such change would impact on performance of obligations under this Contract.
- c. The Service Provider shall at all times indemnify and keep indemnified the Purchaser against all claims/damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services under this Contract.
- d. The Service Provider shall at all times indemnify and keep indemnified the Purchaser against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third Party resulting from or by any action, omission or operation conducted by or on behalf of the Service Provider
- e. The Service Provider shall at all times indemnify and keep indemnified the Purchaser against any and all claims by Employees, agent(s), employed engaged or otherwise working for the Service Provider, in respect of wages, salaries, remuneration, compensation or the like.
- f. All claims regarding indemnity shall survive the termination or expiry of the Contract.
- g. All materials provided to the Purchaser by bidder are subject to Country and STATE public disclosure laws such as RTI etc.
- h. The Service Provider shall not make or permit to be made a public announcement or media release about any aspect of the Contract or any activity related to NHA without a written consent from the Purchaser.

5.2 Part II - Special Conditions of Contract

The following Special Conditions of Contract (SC) shall supplement the General Conditions of Contract (GC). Whenever there is a conflict, the provisions herein shall prevail over those in the GC. *(Clauses in brackets {} are optional; all notes should be Deleted in final text)*

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
4.1.1.5	The addresses are: Purchaser: Chief Executive Officer Attention: General Manager (Administration) National Health Authority 9 th Floor, Tower-I, Jeevan Bharti Building Connaught Circus, New Delhi – 110 001
4.1.1.6	The Services shall be carried out at the site/s as agreed to and approved by the Purchaser.
4.1.1.7	The Authorized Representatives are: For the Purchaser: General Manager (Administration) National Health Authority 9 th Floor, Tower-I, Jeevan Bharti Building Connaught Circus, New Delhi – 110 001
4.1.2.1	The effective date of the Contract: Date of Signing of the Contract
4.1.2.3	The date for the commencement of Services: date of signing of the contract
4.1.2.4	Refurbishment and renovation work shall be completed within 80 days of signing of the contract and maintainence shall be conducted for the period of 365 days from handing over of the office space
4.1.3.5	The risks and the coverage shall be as follows: a. Third Party motor vehicle liability insurance in respect of motor vehicles operated in India by the Service Provider or its Personnel, with a minimum coverage as per Motor Vehicles Act 1988; b. Third Party liability insurance, with a minimum coverage of the value of the contract

	<ul style="list-style-type: none"> c. Professional liability insurance, with a minimum coverage of the value of the contract d. Purchaser's liability and workers' compensation insurance in respect of the Personnel of the Service Provider and in accordance with the relevant provisions of the Applicable Law, as well as, with respect to such Personnel, any such life, health, accident, travel or other insurance as may be appropriate; and e. Insurance against loss of or damage to (i) equipment purchased in whole or in part with funds provided under this Contract, (ii) the Service Provider's property used in the performance of the Services, and (iii) any outputs prepared by the Service Provider in the performance of the Services.
4.1.6.2	The amount is in Indian Rupees (INR)
4.1.6.3	<p>General terms and conditions of Payment Schedule</p> <ol style="list-style-type: none"> 1. All undisputed and eligible payments shall be made by the Purchaser in favour of the SP. 2. The release of payments will be Performance (output) based, where the payments are made for measured deliverables and outputs. 3. Service Provider shall obtain completion certificate for each milestone and raise invoice against the same 4. Eligible Payments against invoice submitted (accompanied with all requisite documents) shall be released within 30 days of submission of invoice 5. Power to withhold: As per penalty structure mentioned in the contract notwithstanding anything contained in the payment schedule, if in the opinion of the Purchaser, any work done or supply made or service rendered by SP is deficient in any manner in comparison to the prescribed standards, Purchaser shall be at liberty to withhold a reasonable portion of the payments due to the SP, till such work/supply/service is made conforming to the prescribed standards. These powers to with hold payments shall be without prejudice to any other power/ right of the purchaser under this contract. 6. All payments under this Contract shall be made to the account of the Service Provider
4.1.8.2	The Arbitration proceedings shall take place in New Delhi in India and cost of Arbitrator / Arbitration to be borne by parties themselves.

6 Section V - Annexures and Appendices

6.1 Annexure I - Financial Bid Covering Letter

(To be submitted on the Letter head of the applicant)

To,
(Address)

Ref: Tender Document (TENDER DOCUMENT) Notification No. _____ dated _____

Dear Sir,

1. Having examined the TENDER DOCUMENT , we, the undersigned, herewith submit our response to your TENDER DOCUMENT Notified vide No. _ dated _____ for NHA, in full conformity with the said TENDER DOCUMENT document.
2. We, the undersigned, offer to provide services to NHA in accordance with your TENDER DOCUMENT .
3. We have read the provisions of the TENDER DOCUMENT document, confirm our acceptance for the same and we are hereby submitting our Financial Bid.
4. We agree to abide by this TENDER DOCUMENT , consisting of this letter, financial bid and all requisite supporting documents, for a period of 180 days from the closing date fixed for submission of bid as stipulated in the TENDER DOCUMENT document.
5. We hereby declare that we have not been charged with any fraudulent activities by any Central/State/UT Government.
6. We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.
7. We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act, 1988" and its amendments.
8. We understand that NHA is not bound to accept any bid received in response to this TENDER DOCUMENT .
9. In case we are engaged by NHA for executing the services, we shall provide any assistance/cooperation required by NHA/auditing agencies appointed by it/NHA officials for performing auditing and inspection functions. We understand that our non-cooperation for the same shall be grounds for termination of service.
10. In case we are engaged as a Service Provider, we agree to abide by all the terms & conditions of the Contract that will be issued by NHA.
11. The financial bid includes the cost for the _____ which shall be inclusive of and all other such as costs, expenses, risks, taxes, overheads, profits etc. as defined by 'Scope of Work' and 'SLAs' defined in this TENDER DOCUMENT . We understand that NHA will not reimburse any other charges apart from price quoted by us.
12. .
13. We already have the technical and financial capability in India for _____ as detailed in 'Scope of Work',

15. Our correspondence details with regard to this TENDER DOCUMENT are:

No.	Information	Details
1.	Name of the Contact Person	
2.	Address of the Contact Person	
3.	Name, designation and contact address of the person to whom all references shall be made regarding this TENDER DOCUMENT	
4.	Telephone number of the Contact Person	
5.	Mobile number of the Contact Person	
6.	Fax number of the Contact Person	
7.	Email ID of the Contact Person	
8.	Corporate website URL	

Yours sincerely,

Signature of Authorized Signatory [*In full as well as initials*]: _____

Name and Title of Signatory: _____

Name of Firm: _____

Address: _____

6.2 Annexure II - Financial Bid Form

Financial Bid Form for '*insert name of project*'

Reference: TENDER DOCUMENT document No. _____ /Dated _____ /

1. Financial Bid format for rate contract for '*insert name of project*' (exclusive of all statutory taxes and duties etc.) for the services required by the NHA is given in Table below. All taxes GST, Service tax, duties, fees, levies etc. has also been quoted separately as per the format provided.

SN	Particular	Cost
1	Civil and related works	
2	POP and False Ceiling related works	
3	Carpentry Work	
4	Painting and Related Work	
5	Anti-Termite Treatment	
6	MEP Work (HVAC, Fire Systems, Electrical and lighting)	
7	ICT Works	
8	Other Related Tasks	
	Total	

Signature of Authorized Signatory :

Name and Title of Signatory

: _____

Name of Firm :

6.3 Annexure III – Declaration by Bidder for not being black-listed

(To be submitted on the Letter head of the Bidder)

To,
General Manager,
National Health Authority ,
New Delhi – 110011

Dear Sir,

We confirm that our NHA <name of NHA>as on date of submission of the proposal is not been blacklisted by any Private/Central /State Government/PSU or any other Organization and agencies in India or abroad for corrupt, fraudulent or any other unethical business practices.

Sincerely,

Name & Designation of the Authorized Signatory

6.4 Annexure V - Form of Performance Bank Guarantee Bond

(To be stamped in accordance with Stamp Act)

The non-judicial stamp paper should be in the name of issuing Bank

Ref.....

Bank Guarantee No.....

Date.....

To

National Health Authority

Government of India

New Delhi-110001

Dear Sirs,

1. In consideration of the National Health Authority , Government of India, (hereinafter referred to as the 'Purchaser' which expression shall unless repugnant to the context or meaning thereof include its successors, administrators and assigns) having awarded to M/s..... with its Registered/Head office at..... (hereinafter referred to as the "Service Provider" which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns), a Contract by issue of Notification of award No..... dated and the same having been acknowledged by the Service Provider, resulting in a Contract, bearing No..... dated.....valued at.....for..... (scope of Contract) and the Service Provider having agreed to provide a Contract Performance Guarantee for the faithful performance of the entire Contract not exceeding Rs. (in words & figures).
2. We.....(Name & Address of Bank Branch) having its Head office at (hereinafter referred to as the 'Bank', which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the amounts due and payable under this guarantee without any demur, reservation, context, recourse or protest and/or without any reference to the Service Provider merely on a demand from the Purchaser stating that the amount claimed is due by way of inconvenience caused to or would be caused to or suffered by the Purchaser by reason of breach by the said Service Provider(s) of any of the terms or conditions contained in the said Agreement or by reason of the Service Provider(s)' failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive and binding not withstanding any difference between the Purchaser and the Service Provider or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. We agree that the guarantee herein contained shall be irrevocable and shall continue to be enforceable till the Purchaser discharges this guarantee.
3. The Purchaser shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee, from time to time to extent the time for performance of the Contract by the Service Provider. The Purchaser shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have

against the Service Provider, and to exercise the same at any time in any manner, and either to enforce or to forbear to enforce any covenants, contained or implied, in the Contract between the Purchaser and the Service Provider or any other course or remedy or security available to the Purchaser. The Bank shall not be released of its obligations under these presents by any exercise by the Purchaser of its liberty with reference to the matters aforesaid or any of them or by reason of any other act of omission or commission on the part of the Purchaser or any other indulgences shown by the Purchaser or by any other matter or thing whatsoever which under law would, but for this provision have the effect of relieving the Bank.

4. The Bank also agrees that the Purchaser at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Service Provider and notwithstanding any security or other guarantee the Purchaser may have in relation to the Service Provider's liabilities.
5. This guarantee will not be discharged due to the change in the constitution of the Bank or the Service Provider(s)/Service Provider(s).
6. Notwithstanding anything contained hereinabove:
 - (1) Our liability under this guarantee is restricted to Rs. (in words & figures).
 - (2) This Bank Guarantee will be valid upto; and
 - (3) We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only upon service of a written claim or demand by you on or before

In witness whereof the Bank, through its authorised officer, has set its hand and stamp on this.....day of.....2019 at.....

WITNESS

.....
(Signature) (Signature)
.....
(Name)(Name)
.....
(Official Address)(Designation with Bank Stamp)
Attorney as per Power of Attorney No.....
Dated.....

6.5 Annexure VI - Form of Bank Guarantee for EMD

(To be stamped in accordance with Stamp Act)

The non-judicial stamp paper should be in the name of issuing Bank

Ref.....

Bank Guarantee No.....

Date.....

To

National Health Authority
Government of India,
New Delhi-110001

Dear Sirs,

1. In accordance with Invitation to Bid under your Specification No.....
M/s..... having its Registered/Head Office at..... (hereinafter called the
'Bidder') wish to participate in the said Bid or..... and you, as a special favour have
agreed to accept an irrevocable and unconditional Bank Guarantee for an amount of.....
valid uptoon behalf of Bidder in lieu of the Bid deposit required to be made by the Bidder,
as a condition precedent for participation in the said Bid.
2. We, the Bank at (local address) having our Head office at
..... guarantee and undertake to pay immediately on demand by National Health
Authority , of India, the amount of (in words & figures)
without any reservation, protest, demur and recourse. Any such demand made by said 'Owner' shall
be conclusive and binding on us irrespective of any dispute or difference raised by the Bidder.
3. This guarantee will not be discharged due to the change in the constitution of the Bank or the Service
Provider(s)/Service Provider(s).
4. Notwithstanding anything contained hereinabove:
 - (1) Our liability under this guarantee is restricted to Rs. (in words & figures).
 - (2) This Bank Guarantee will be valid upto; and
 - (3) We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only
upon service of a written claim or demand by you on or before

In witness whereof the Bank, through its authorised officer, has set its hand and stamp on
this.....day of.....20.....at.....

WITNESS

.....
(Signature) (Signature)

.....
(Name)(Name)

.....
(Official Address)(Designation with Bank Stamp)

Attorney as per Power of Attorney No.....Dated.....

6.6 Annexure VII - Non-Disclosure Agreement

(To be executed on ₹ 100 stamp paper)

This Non-Disclosure Agreement ("Agreement") is executed on ___ day of ____ 2018 ("Effective Date"), by and between:

National Health Authority or NHA, through its Chief Executive Officer, having its office at 7th and 9th floor, tower-1, Jeevan Bharti Building, Connaught Circus, New Delhi – 110001, (hereinafter referred to as the "**Authority**" which expression shall, unless repugnant to the context and meaning include its successors, administrators and assigns) of the ONE PART;

AND

_____, a NHA duly registered under the Companies Act 1956 / 2013, through its authorized representative [Name] holding the designation [Designation], having its registered office at [address], (hereinafter referred to as the "**Bidder**" which expression shall, unless repugnant to the context and meaning, include its successors, administrators, executors, attorneys, agents and assigns) of the OTHER PART.

WHEREAS:

- A. The Bidder is desirous of bidding for Bid No..... covering "[Insert name of tender _____]" (hereinafter called the said 'TENDER DOCUMENT ') issued by the Authority.
- B. The Bidder is aware and confirms that the Authority's business/ operations, information, Application/software, hardware, business data, architecture schematics, designs, storage media and other information / documents made available by the Authority in the TENDER DOCUMENT documents during the bidding process and thereafter, or otherwise (confidential information for short) is privileged and strictly confidential and/or proprietary to the Authority.

NOW THEREFORE,

In consideration of disclosure of confidential information, and in order to ensure the Authority's grant to the Bidder of specific access to Authority's confidential information, property, information systems, network, databases and other data, the Bidder agrees to all of the following conditions.

It is hereby agreed as under:

- 1 The confidential information to be disclosed by the Authority shall include without limitation, any and all information in written, representational, electronic, verbal or other form, whether or not expressly marked as "Confidential", relating directly or indirectly to inventions, processes, products, methodologies, algorithms, risk matrices, thresholds, parameters, reports, data, models, deliverables, work products, specifications, architecture, project information, money laundering typologies, related computer programs, systems, trend analysis, risk plans, strategies, operating techniques, source codes, object codes, "know how", drawings, designs, patents, copyright, trademarks, trade secrets, unpublished records and information communicated or obtained through meetings, documents, correspondence or inspection of tangible items, facilities or inspection at any site to which access is permitted by the Authority.

2 Subject to clause 11 of this Agreement, it is hereby agreed by the Bidder that this Agreement shall apply in perpetuity and shall survive the termination of any other contract, agreement, arrangement or understanding entered into by or executed between the Authority and the Bidder.

3 Confidential Information does not include information which:

- a) the Bidder knew or had in its possession, prior to disclosure, without limitation on its confidentiality;
- b) information in the public domain as a matter of law;
- c) is obtained by the Bidder from a third party without any obligation of confidentiality;
- d) the Bidder is required to disclose by order of a competent court or regulatory authority;
- e) is released from confidentiality with the written consent of the Authority.

The Bidder shall have the burden of proving hereinabove are applicable to the information in the possession of the Bidder.

4 The Bidder agrees to hold in trust any Confidential Information received by the Bidder, as part of the Tendering process or otherwise, and the Bidder shall maintain strict confidentiality in respect of such Confidential Information, and in no event the degree of confidentiality shall be less than the Bidder uses to protect its own confidential and proprietary information. The Bidder also agrees:

- a) to maintain and use the Confidential Information only for the purposes of bidding for this TENDER DOCUMENT and thereafter only as expressly permitted herein;
- b) to only make copies as specifically authorized by the prior written consent of the Authority and with the same confidential or proprietary notices as may be printed or displayed on the original;
- c) to restrict access and disclosure of Confidential Information to their employees, agents, and representatives strictly on a "need to know" basis, provided such employees, agents and representatives have duly executed a Non-Disclosure Agreement with the Bidder, to maintain confidentiality of the Confidential Information disclosed to them; and
- d) to treat Confidential Information as confidential unless and until Authority expressly notifies the Bidder of release of its obligations in relation to the said Confidential Information.

5 The Bidder agrees to indemnify the Authority against any and all losses, damages, claims, or expenses incurred or suffered by the Authority as a result of the Bidder's breach of this Agreement.

6 Notwithstanding the foregoing, the Bidder acknowledges that the nature of activities to be performed as part of the Tendering process or thereafter may require the Bidder's personnel to be present on premises of the Authority or may require the Bidder's personnel to have access to software, hardware, computer networks, databases, documents and storage media of the Authority while on or off premises of the Authority. It is understood that it would be impractical for the Authority to monitor all information made available to the Bidder's personnel under such circumstances and to provide notice to the Bidder of the confidentiality of all such information. Therefore, the Bidder undertakes that it shall be liable for any and all unauthorized access to and disclosure of Confidential Information by any of its employees, agents and / or representatives.

- 7** The Bidder shall establish and maintain appropriate security measures to provide for the safe custody of the Confidential Information and to prevent unauthorised access to it.
- 8** The Bidder agrees that upon termination/expiry of this Agreement or at any time during its term, at the request of the Authority, the Bidder shall promptly deliver to the Authority the Confidential Information and copies thereof in its possession or under its direct or indirect control, and shall destroy all memoranda, notes and other writings prepared by the Bidder or its Affiliates or directors, officers, employees or advisors based on the Confidential Information and promptly certify such destruction.
- 9** Confidential Information shall at all times remain the sole and exclusive property of the Authority. Upon completion of the Tendering process and/or termination of the contract or at any time during its term, at the request of the Authority, the Bidder shall promptly deliver to the Authority the Confidential Information and copies thereof in its possession or under its direct or indirect control, and shall destroy all memoranda, notes and other writings prepared by the Bidder or its Affiliates or directors, officers, employees or advisors based on the Confidential Information within a period of sixty days from the date of receipt of notice, or destroyed, if incapable of return. The destruction shall be witnessed and so recorded, in writing, by an authorized representative of the Authority. Without prejudice to the above the Bidder shall promptly certify to the Authority, due and complete destruction and return. Nothing contained herein shall in any manner impair rights of the Authority in respect of the Confidential Information.
- 10** In the event that the Bidder hereto becomes legally compelled to disclose any Confidential Information, the Bidder shall notify the Authority within 24 hours and render best effort assistance to the Authority to enable the Authority to prevent or minimize to the extent possible, such disclosure. Bidder shall not disclose to a third party any Confidential Information or the contents of this TENDER DOCUMENT without the prior written consent of the Authority. The obligations of this Clause shall be satisfied by handling Confidential Information with the same degree of care, which the Bidder applies to its own similar Confidential Information but in no event less than reasonable care.
- 11** The Bidder covenants and agrees that, during the term of its engagement with the Authority and for twelve (12) months after the termination thereof, regardless of the reason for the termination, the Bidder shall not, directly or indirectly, represent any entity or authority engaged in same or substantially similar nature of work as that of the Authority, anywhere in the world, for any work which is similar to the Bidder's scope of work as provided by the Authority.
- 12** This Agreement, its meaning and interpretation, and the relation between the Parties shall be governed by the applicable laws of India. The Recipient in the provision of its services under the contract shall be governed at all times by the provisions of Ayushman Bharat (Targeted Delivery of Financial and Other Subsidies, Benefits and Services) Act, 2016 and the regulations framed there under as amended from time to time. Notwithstanding anything contained therein, if the Recipient contravenes any provisions of Ayushman Bharat Act, 2016 and the Regulations framed thereunder, as applicable to the services rendered under the TENDER DOCUMENT and / or this Agreement, the

Recipient shall be liable to applicable penal provisions prescribed therein, in addition to, the penalties/provisions provided in this Agreement.

13 The Bidder understands and acknowledges that any disclosure or misappropriation of any of the Confidential Information in violation of this Agreement may cause the Authority irreparable damage, the amount of which may be difficult to ascertain and, therefore, agrees that the Authority shall have the right to apply to a court of competent jurisdiction for an order restraining any such further disclosure or misappropriation and for such other relief as the Authority shall deem appropriate. Such right of the Authority shall be in addition to Remedies otherwise available to the Authority at law or in equity.

For and on behalf of:

For Authority
(Authorised Signatory Office Seal:)

For Bidder
(Authorised Signatory Office Seal:)

Name:
Designation: Chief Executive Officer
Date:
Place:

Name:
Designation:
Date:
Place:

6.7 Annexure VIII: LIST OF MAKES

In the following tables depict maker of materials / agencies items of work, the quality of which is acceptable to the NHA

LIST OF MAKES FOR CIVILWORK

SL. No.	Material	Makes
1	Chemical to be used for Anti-termite Treatment Imidacloprid 30.5% SC High Care –PCI	PREMISE, ROAR IMIDA, MAGIC-TC, *or any other Substantially equivalent make*.
2	Waterproofing compound as admixtures in concrete (wherever required) Admixtures / Plasticizers	Accoproof (by ACC LTD.), CICO, XYPEX, KRYTON, PENETRON, Fosroc, Sika, Pidilite, BASF, .
3	Ordinary Portland Cement (conforming to IS:269)	Ambuja, ACC, Ultra Tech, JK, .
4	White Portland Cement	Birla White, JK White, .
5	Reinforcement bar (Thermo Mechanically treated)	Tata /Sail /RastriyaI spat Nigam, .
6	Ready Mixed Concrete	ACC/ Ultratech/ Lafarge, .
7	Fastener	Fisher/ Hilti, .
8	Nuts Bolts /Screws	Kundan / Puja /Atul, .

LIST OF MAKES FOR ARCHITECTURAL WORK

SL. No.	Material	Makes
1	Aluminum Extrusions	Hindalco, Indalco, Jindal, Bharuka
2	Clear Float Glass	Saint-Gobain /Asahi /TATA
3	PVB Lamination	Dupont /Saflex .
4	Anchor Fasteners	Hilti /Fischer .
5	Powder Coating	Jotun/Akzonoble/Berger .
6	Rock wool(Fire Stop)	Rockwool India, ROXUL, LLOYD .
7	SS Spider Fittings	Dorma /Lisus /Sadev .
8	SS Patch Fitting	Dorma /Geze / Kaba .
9	Mild steel	Tata / Sail / Jindal
10	Stone Sealer / Adhesive	laticrete, Ardex Endura, KERAKOLL/Choksey Chemicals, FOSROC, .
11	Protective Coating	Dulex/ Berger .
12	Full body polished/matt vitrified tiles / glazed tiles	ORIENT, JOHNSON, SOMANY, NITCO, KAJARIA BASIC RATE: INR100.00 / 60.00per sq.ft. F.O.R. at SITE .
13	Italian marble (18 to 20mmThk)	BASIC RATE: INR 350.00 per sq. ft. F.O.R. at SITE .
14	Granite (18 to 20mm thk)	BASIC RATE: INR 160.00 per sq. ft. F.O.R. at SITE .
15	Synthetic enamel Paint	Asian, Berger, ICI, J.N. Nerolac .
16	Plastic emulsion paint	Asian, Berger, ICI, J.N. Nerolac .
17	Oil bound distemper	Asian, Berger, ICI, J.N. Nerolac .
18	Steel primer	ICI, Berger, Asian Paints, J.N. Nerolac *or any other substantially Equivalent make*.
19	Wood primer	ICI, Berger, Asian Paints, J.N. Nerolac .
20	Wood finish (Melamine & PU Polish)	Jivanjor (PU), Asian, Berger, ICI .

21	Laminate	Archid, Merino, Century .
22	PLY BOARD, PLYWOOD (PINE BOARD)	ARCHID, MERINO, DURO, Century .Action Tesa
23	MORTICE LOCKS, LATCH	DORMA,GEZZE, ASSAABLOY .
24	WOODADHESIVE	FEVICOL, Dunlop, Pidilite Vamicol .
25	TILE ADHESIVE	KERAKOLL,PIDILITE, FERROUSCRETE, ARDEXENDURA .
26	STONE ADHESIVE	KERAKOLL, BALENDURA, ARDEX ENDURA .
27	STONE SEALER	FERROUSCRETE, ARDEX ENDURA, LATICRETE, MYK SCHOMBURG .
28	DASH, ANCHORING FASTENERS	HILTI, FISCHER .
29	Open cell ceiling	HUNTER DOUGLAS, ARMSTRONG * DYNOC or any other Substantially equivalent make*.
30	Gypsum Plaster	FERROUS CRETE /GYPROC SAINT GOBAIN /USG BORAL / ULTRATECH .
31	Silicon Sealant	GE,DOWCORNING,PIDILITE/WACKER*or any other substantially Equivalent make*.
32	Gypsum Board	SAINTGOBAIN,USGBORAL .
33	Factory Hot Pressed Laminated door	ARCHID, MERINO, CENTURY, DURO, .
34	Pre-laminated Particle Board	MERINO, CENTURYPLY, GREENLAM .
35	Hydraulic Door Closer, Floor Spring	DORMA, GEZZE, HARDWYN, HAFELE .
36	Textured Paint	UNITILE, HERITAGE, SPECTRUM, UNISTONE .
37	Wall Putty	FERROSCRETE, JK, BIRLA, .
38	Looking Glass / MIRROR	ATUL, MODIGUARD, .
39	LACQURED GLASS	SAINT GOBAIN, ASAHI, PILKINGTON *or any other substantially Equivalent make*.
40	SOLID ACRYLIC SURFACE	MERINO, LG, GRANIMUM, SAMSUNG- STARON *or any other Substantially equivalent make*.
41	VINYL FLOORING	FORBO, TARAKETT, I.G.RESPONSIVE, DLW *or any other substantial Equivalent make

42	CALCIUM SILICATE TILES FALSE CEILING	AEROLITE, ULTRALITE, HUNTERDOUGLAS* -*.
43	METAL FALSE CEILING DECORATIVE	HUNTER DOUGLAS, DURLUM, ARMSTRONG *or any other Substantially equivalent make*.
44	LINOLEUM FLOORING	FORBO, TARKETT, DLW, MANNINGTON .
45	CEMENT BOARD / BISON BOARD	EVEREST, NCL .
46	GRAPHIC FILM	3M, AVERY DENNISON .
47	POP	JK, BIRLA .
48	MR BOARD	SAINT GOBAIN, USG BORAL, ARMSTRONG .
49	MINERAL FIBRE CEILING TILES	SAINT GOBAIN, USG BORAL, ARMSTRONG, KNAUF AMF, HUNTER DOUGLAS .
50	CURTAIN TRACK / CURTAIN FABRIC / PVC GUARD RAIL / PVC CORNER GUARD	WINDOWTECH, DECOREX, DHEERAJ CRAFT, RS SALES* -*.
51	Fire sealant	3M, Promat, Hilti, Bosch *or any other substantially equivalent Make*.
52	False floor	Unifloor, Unitile, Camflor .

LIST OF MAKES FOR PLUMBING WORK

Sl. No.	Materials	Makes
1	Sanitary Fixtures	Duravit, Kohler, Roca, Kohler, Euronics, .
2	Concealed cistern	Geberit /Viega, Kohler, Roca .
3	Sink	Jayna, Nirali, Anupam .
4	WC connector	Geberit/Viega, Kohler .
5	Auto Urinal Flush System	Duravit, Grohe Kohler, Roca .
6	Hand Drier	Euronics /Duravit, Grohe Kohler .
7	CP Fittings	Grohe/ Kohler /Roca .
8	GI pipe (IS:1239, Part-I)	Tata/Jindal Hissar/ SAIL .
9	GI Fittings (IS:1239, Part-II)	Unik/Zoloto/KS .
10	GI pipe sealant	Henkel - LOCTITE 55 .
11	GI/MS Pipe Protection Wrapping & Coating	IWL - Pypkote / Rustech – Coatek .
12	TEFLON TAPE	AsperapprovalofEngineerIncharge .
13	Pipe clamp & supports	Hitech/Chilly/Griple .
14	D. I. Pipes	Electro Steel /Jindal /LancoKalahasthi .
15	UPVC pressure Pipes and Fittings (IS:4985)	Supreme, AKG, Finolex .
16	CPVC Pipes and Fittings	Flow guard, Astral .
17	RCC Pipe	INDIANHUMEPIPE/JAINSPUN/PRAGATI CONCRETE UDYOG .
18	Stoneware Pipes, Gully Traps	Perfect Potteries, JABALPUR /Rajura /Burn/hind .
19	Centrifugal Spun Cast Iron Pipes and Fittings (IS:3989)	SKF/ Neco/Jindal Supreme .
20	CI LA Pipes and Fittings (IS:1536)	Electro steel Calcutta, .

21	Air Vent	CIM/Advance/Honeywell*or any other Substantially equivalent make*.
22	Drinking Water Cooler	Blue Star, Voltas, Usha .
23	Mechanical Seal	Burgmann /Sealol .
24	Anti-Vibration Mounting & Flexible connections	RESISTOFLEX/Dunlop/Flexionics .
25	Hot water Geyser	A.O. Smith / Racold / Havells .
26	Fire Sealant	Birla3M/Hilti/Promat .
27	Temperature Sensor/ Gauge	Forbes Marshall /Danfoss /Wika .
28	Syphonic Roof Drainage System	Geberit .
29	MH /Water Tank Plastic Steps	NECCO/Patela/KGM .
30	M.S. Steel (Angle. Channel, Strip, sheet)	Tata /Sail /Jindal .
31	Paint	Berger/Asian/J.N/Nerolac .

SUGGESTIVE MAKES FOR FURNITURE

Sl. No.	Materials	Makes
1.	Loose furniture	Made with pin, Godrej, Wipro, Steelcase, HNI, Multitec, .

LIST OF MAKES FOR HVAC Work
(Heat ventilation and air-conditioning)

Sl. No.	Material	Makes
1	AIR HANDLING UNITS WITH FANS OF NICOTRA / KRUGER / VTS / COMEFRI (EUROVENTCERTIFIEDONLY)	FLAKTWOOD, SYSTEMAIR, VTS, CARRIER, YORK, TRANE .
2	TFA WITH HEAT RECOVERY WHEEL/ ENERGY RECOVERY VENTILATORS	DRI, FLAKTWOOD (SEMCO), GREENHECK .
3	CHILLED WATER CASSETTES:	BHUTORIA, EDGETECH, TRANE, CARRIER .
4	SPLIT AC UNITS	CARRIER, BLUESTAR, HITACHI, VOLTAS .
5	PRECISION AC UNITS	BLUEBOX, STULTZ, CLIMAVENETA .
6	INLINE FANS	NICOTRA, PINEAIR, KRUGER, SYSTEMAIR, GREENHECK .
7	EC FANS	ZIEHLABEGG,EBMPAPST, GREENHECK .
8	BALANCING VALVES	ADVANCE,CASTLE,OVENTROP .
9	POT/Y-STRAINER/SUCTIONSTRAINER/AIRVENT	EMERALD,RAPID CONTROL,SKS,D.S. ENGG .
10	COMBINEDAIR&DIRTSEPARATOR/VACUUM DEGASSER	SPIROTECH,SPIROTHERM,ITT .
11	FILTERS/PANELFILTERS	THERMADYNE, CAMFIL FARR PUROMATIC, SPECTRUM .
12	PIPES (MS/GI)	APLAPOLLO,JINDALHISSAR,TATA,JINDAL STAR, PRAKASH SURYA .
13	PIPE INSULATION (EXPANDED POLYSTRENE)	BEADSELL, STYRENE, PERFECT PACK .
14	REFRIGERANT PIPING(COPPER)	RAJCO, MANDEV, KARAN METALS
15	DUCT&REFGT.PIPINGTHERMAL INSULATIONCLOSEDCELL/CROSSLINKED ELASTOMERIC/POLYETHYLENEFOAM	ARMAFLEX,AEROFLEX,THERMOBREAK TROCELLEN, .
16	DUCT ACOUSTIC LINING	UPTWIGA,OWENSCORNING .
17	G.I. SHEETS	TATA, SAIL, JINDAL .
18	ALUMINIUM SHEETS	INDALCO,HINDALCO,BALCO .

19	FACTORY FABRICATED DUCTS	DUCTOFAB, ROLASTAR, ZECO .
20	PRE-INSULATED DUCT	ZECO, P3, ALP .
21	FIRE RESISTANCE COATING COMPOUND	FLAMEBAR,PROMAT,WINDUCT .
22	CO2 SENSOR	HONEYWELL,SIEMENS/BELIMO .
23	STEM THERMOMETERS (V - GROOVED)	EMERALD,H.GURU,JAPSIN*or any other Substantially equivalent make*.
24	DUCT HANGERS	GRIPPLE,DOBYGRIP,EASYFLEXZIPCLIP .
25	PHI CELLS	PUREAIR, RGF, AQUA AIR *or any other Substantially equivalent make*.
26	DIGITAL THERMOMETER	STAEFA, J O H N S O N , SEIMENS, HONEYWELL .
27	ALUMINIUM GRILLES / DIFFUSERS/ DAMPERS	SYSTEMAIR, SERVEX, PINEAIR .
28	FIRE DAMPERS / VCD	RUSKIN, GREENHECK, SYSTEMAIR .
29	ACTUATOR FOR FIRE DAMPER	SIEMENS, BELIMO, HONEYWELL .
30	P.U.F. PIPE SUPPORTS	MALANPURENTECH,MULTIPRODUCTS, BEST PLASTRONICS .
31	CPRX COMPOUND	SHALIMAR PAINTS, ASIAN PAINTS .
32	AUTO AIR VENT WITH STOP VALVE	ANERGY,RAPIDCONTROL,EMERALD .
33	FIRE RESISTANT HESSAIN/ CANVAS	ARCHNA CHEMICALS, NAVAIR, EASYFLEX .
34	RUBBER PADS / VIBRATION ISOLATORS	RESISTOFLEX, EMERALD, KANWAL .
35	MODULATING VALVES (3-WAY/2-WAY)	HONEYWELL, JOHNSON, ANERGY RAPID CONTROL .
36	THERMOSTAT AND ACTUATOR FOR 2- WAY / 3 WAY VALVE	ANERGY, HONEYWELL, SIEMENS, RAPID CONTROL .
37	FLOW SWITCH	RAPIDCONTROL,ANERGY,HONEYWELL .
38	FLEXIBLE DUCT	PINEAIR, CARRYAIR, GPSPIRA .

39	FLEXIBLE COUPLINGS	KANWAL, RESISTOFLEX, CORI .
40	ELECTRICAL STARTERS / CONTACTORS	SIEMENS, L&T, BCH .
41	CONTROL CABLES COPPER CONDUCTOR	NATIONAL,ECKO,FINOLEX .
42	L.T. POWER ALUMINIUM / COPPER CABLES (FRLS)	FORTGLOSTER,CCI,UNIVERSAL,CCI MUMBAI,UNICO(MP) .
43	PANEL BOARDS (POWDER COATED) & CONTROL CONSOLE	KEPL, TRICOLITE,ADELEC .
44	ACB MICROPROCESSOR	L&T, SIEMENS,G.E. (SPECTRONICS), SCHNEIDER .
45	M.C.C.B. WITH ROTARY HANDLE	L&T,SIEMENS,G.E,HAVELLS .
46	SELECTOR SWITCH	L&T,SIEMENS,G.E,HAVELLS .
47	MEASURING METER	AE, RISHAB .
48	CURRENT TRANSFORMER (CAST RESIN)	AE, KAPPA, PRECISE .
49	INDICATING LAMPS (LED TYPE)	SIEMENS, L&T, TELEMECANIQUE .
50	ANALOG MEASURING METERS	AE, RISHAB .
51	PERFORATED CABLE TRAYS	INDIANA, SLOTCO, BHARTI, RM CON .
52	CABLE GLANDS	COMMET, GRIPWEL .
53	SOLDERLESS LUGS	DOWELLS .
54	PUSH BUTTON	SIEMENS, L&T, TELEMECANIQUE .
55	CAPACITORS (APP TYPE)	SIEMENS,L&T,ASIAN,GE .
56	CONTROLS	HONEYWELL, STAEFA, RAPID CONTROL, JOHNSON .
57	COPPER WIRES	FINOLEX, ECKO, R.R. KABLE .
58	DIGITAL VOLTMETER& AMMETER WITH SELECTOR SWITCH	ENERCON, L&T, DUCAT .
59	CONTACTORS	L&T,SIEMENS,G.E,SCHNEIDER .

60	SINGLE PHASING PREVENTOR	MINILEC, BCH .
61	MINIATURE CIRCUIT BREAKER	HAGER,MDS,GE,SIEMENS,SCHNEIDER .

LIST OF MAKES FOR (ELECTRICAL) WORK

SL. NO	ITEM	MAKES
1	Protection Relays (Numeric Type)	L&T/ABB/Siemens/Schneider .
2	Potential Transformer	ABB/Gilbert&Maxwell/Secure/Enorcon/Asperapprovedby SEB .
3	Current Transformer (Cast Resin Epoxy Coated)	ABB/Gilbert&Maxwell/Secure/Enorcon/Asperapprovedby SEB .
4	Static Power Meter & Logger (Trivector Meters) (Networkable)	Schneider/Socomec/Ducati/L&T/AsperapprovedbySEB .
5	Electronic Digital Meter (A/V/PF/HZ/KWH) With LED Display. Ammeter/ Voltmeters / Multifunction meters and metering equipment	Schneider/L&T/Siemens/Secure/Enorcon/BELUK .
6	HRC Fuse and Fuse Fitting switch fuse unit with HRC fuses	Siemens/GE/L&T/ABB/Schneider .
7	Control Cable	Skytone/ RPG/ KEI/ NATIONAL/ HAVELLS *or any other Substantially equivalent make*.
8	LT XLPE Cable	Skytone/ RPG/ KEI/ NATIONAL/ HAVELLS .
9	LT Panels and Sub Panels	Adlec/SIEMENS/L&T/Schneider Electric/Advance/Tricolite .
10	Molded Case Circuit Breaker (MCCB) 3 & 4 with rotary operating mechanism)	ABB (T-Max)/L&T (D-sine)/Schneider (NSX)/Siemens (3VL)/ Legrand (DPX ³) .
11	Distribution Board	L&T/Schneider/Siemens/Legrand .
12	Miniature Circuit Breaker MCB/ RCCB/RCBO	L&T/Schneider/Siemens/Legrand .

13	Indicating Lamps LED type, Push Button	L&T/Schneider/Siemens/ABB .
14	Selector Switch, Toggle switch	L & T / Schneider/ Siemens/ ABB .
15	Electronic Digital Meters/Multi-function meters (A/V/PF/Hz/KW/KWH) (Networkable)	ABB/L&T/Schneider/Siemens/Secure/Legrand .
16	Timer	ABB/L&T/Schneider/Siemens/Secure/Legrand .
17	Fire Survival Cables	Beldon/ Fusion Polymer/ Tyco/ Rallison/Havells .
18	Cable Glands Double Compression with earthing links	Dowells/Comet/Cosmos .
19	Bimetallic/Copper/ Aluminum Cable Lug	Dowells/Comet/Cosmos/HaxBrass .
20	PVC insulated copper conductor stranded flexible wire (FRLS)	RRKabel/KEI/Rallison/National/Skytone/Havells/Finolex .
21	Metallic/ GI Conduit (ISI approved)	BEC/AKG/RMCON .
22	PVC Conduit and Accessories (ISI approved) Heavy Duty(not less than 2mm thick)	BEC/Polypack/AKG/D-plast .
23	Cable Trays / Raceways (Factory Fabricated)	Legrand/OBO/MEM/Indiana/RMCON/Profab/BEC .
24	Polycarbonate Junction Boxes	Hensel/Clipsal/Sintex/OBO .
25	Rubber Mats (ISI mark)	Jyoti /Tata Rubber Corporation .
26	MS/ GI pipe	Tata/Jindal (Hissar) .
27	Fasteners	Hilti/ Fisher .
28	Fire Sealant & Fire-Retardant Paint	Promet/ Hilti/ Birla 3M .
29	Switch & Socket Outlet	Crabtree (Murano), Legrand (arteior)/ Honeywell (blenze plus)/Schneider (Opale) .

30	Floor Boxes for power and data	MK/Legrand/MEM/OBO .
31	Terminal Blocks	Connect Well/ Elmex/ Wago .
32	Industrial Socket Metal Clad	Legrand/Schneider/ABB/L&T/Siemens .
33	Industrial Socket Weather Proof	Gewiss/Legrand/Schneider/ABB/L&T/Siemens .
34	Ceiling Fan/Exhaust Fans/Air Circulators	Havells/BAJAJ/Crompton .
35	Day light/Occupancy Sensor	Philips/ Lutron/ Schnider/ MK/ Hagger .
36	Inverter	Luminous/ Microtek/Suckam .
37	UPS	Emerson/Schneider (APC)/ABB/Socomec/Eton/Delta .
38	Sealed Maintenance Free Battery	Exide/ Global (Rocket)/ Hitachi .
39	Battery Charging Panel/ Battery Charger	Caldyne/Volstat/Hitachi/Nelco/CromptonGreaves/Amara Raja/Mahamai .
40	Lightning and Surge Voltage Protection	ABB/Hagger/Schneider/OBO/Legrand
	Fire Alarm System	
41	Repeater Panel	BOSCH/Honeywell/Siemens–FireFinder/Notifier .
42	Detectors	BOSCH/Honeywell/Siemens–FireFinder/Notifier .
43	Fault Isolators	BOSCH/Honeywell/Siemens–FireFinder/Notifier .
44	Control Module Fire Alarm Main Control And Indicating Panel (conventional microprocessor based)	BOSCH/Honeywell/Siemens–FireFinder/Notifier .
45	Monitor Module	BOSCH/Honeywell/Siemens–FireFinder/Notifier .
46	Directional Sounder	BOSCH/Honeywell/Siemens–FireFinder/Notifier .
47	Manual Call Points	BOSCH/Honeywell/Siemens–FireFinder/Notifier .
48	Beam Detector	BOSCH/Honeywell/Siemens–FireFinder/Notifier .
49	Aspiration System	BOSCH/Honeywell/Siemens–FireFinder/ .

50	Fire Survival Cable	Beldon/ Fusion Polymer/ Tyco/ Rallison/Havells .
51	Communication Cables/Signal Cables	Beldon/FusionPolymer .
52	Computer with LED Monitor and mouse	IBM/ Dell/ HP .
53	Fire Survival Cable (MICC)	Pirotenax/Jiuli/Pentair/Tyco .
54	LED Light Fixtures	Philips/ Lighting Technologies/ Trilux/ Kasalec/ Schreder / As per item
55	Communication cables. (3 core 1.0/1.5 mm ²), PVC insulated, tinned copper conductor cable	Beldon / Fusion Polymer / Teleflex .

LIST OF MAKES FOR FIREFIGHTING WORK

SL. No.	Materials	Makes
1	M.S/G.I. Pipe	TATA,Jindal,Hissar,Parkash
2	Forged Steel Fittings	V.S Forge, DKR, Victaulic
3	Sluice valves	Kirloskar, Advance, Zoloto *or any other substantially equivalent make*
4	Butterfly Valves	Kirloskar, Advance, Lahri *or any other substantially equivalent make*
5	Non-Return Valves	Kirloskar, Advance, Zoloto *or any other substantially equivalent make*
6	Ball Valves	CIM, Sant,Leader,Zoloto *or any other substantially equivalent make*
7	Gate Valves	Kirloskar, Sant, Leader, Zoloto *or any other substantially equivalent make*
8	Flow Switch	Potter, HD, System Sensor *or any other substantially equivalent make*
9	Pressure Gauge	Eversafe,H.Guru,Fiebig,Waree*or any other substantially equivalent make*
10	Hydrant valve	Eversafe, Minimax, Newage *or any other substantially equivalent make*
11	Fire Brigade Inlet	Eversafe, Minimax, Newage *or any other substantially equivalent make*
12	Hose pipe (C. P)	Eversafe, Minimax, Newage *or any other substantially equivalent make*
13	Hose pipe (R.R.L.)	Eversafe, Minimax, Newage *or any other substantially equivalent make*
14	Hose Reel	Eversafe, Minimax, Newage *or any other substantially equivalent make*
15	Hose Coupling branch pipe and nozzle	Eversafe, Minimax, Newage *or any other substantially equivalent make*
16	Portable Fire Extinguisher	Exflame, Ceasefire, Kanex, Flame Guard *or any other substantially equivalent make*
17	Sprinkler and accessories	HD,Tyco,Viking*or any other substantially equivalent make*
18	Wet Alarm Valve	HD,Tyco,Viking*or any other substantially equivalent make*
19	Pressure Reducing Valve	Honeywell, Danfoss, Newage *or any other substantially equivalent make*
20	Pipe coat material (Pipe Protection)	PYPKOTE,Rustfire,Corpro-Tape,MakpolyCot
21	Paint	Asian,Nerolac,Berger*or any other substantially equivalent make*
22	Fire Pumps	Kirloskar, KSB, Grundfoss *or any other substantially equivalent make*

23	Vibration isolator/Flexible Coupling	Resistoflex, Kanwal Industries *or any other substantially equivalent make*
24	Strainer	Emerald, DS Engineering, Eversafe *or any other substantially equivalent make*
25	Structural supports	Hilti, Fischer
26	Structural supports	Hilti, Fischer
27	Drop Down Fire Curtain	Window Techs, Decorex, F-décor, Soeteria *or any other substantially equivalent make*

LIST OF MAKES FOR ICT WORKS

SL. No.	ITEM	MAKES
1	UTM upto 100 users	Cisco/Check Point/ Fortinet,, Cyberom *or any other substantially equivalent make*
2	L2 switch 24port, managed	Cisco/Dell/Fortinet/HP,*or any other substantially equivalent make*
3	L2+ managed 24portPOE switch	Cisco/ Dell/ Fortinet/ HP, *or any other substantially equivalent make*
4	Access point, indoor wireless 280 Dual radio, Frequency: 802.11A/B/G/N and 802.11A/N/AC,1xGERJ45 port	Cisco/Fortinet/HP,
5	Cat-6 Cable	D link/ Belden / Amp, *or any other substantially equivalent make*
6	RJ 45 connector	D link/ Belden / Amp, *or any other substantially equivalent make*
7	Wall Mount Rack	Valrack/ President / Comrack, DigiRack *or any other substantially equivalent make*
8	PVC Conduit	
9	CAT 6 Patch Panel	D link/ Belden / Amp, *or any other substantially equivalent make*
10	CAT 6 Patch Cord (1mtr)	D link/ Belden / Amp, *or any other substantially equivalent make*
11	CAT 6 Patch Cord (2mtr)	D link/ Belden / Amp,
12	IO Port	D link/ Belden / Amp,
13	UPS(20KVAwith30minback up)	Delta /Emerson/ APC, BPE
14	Server, 2x Intel Xeon Processor, E 52683 V4, RAM 128 GB, HDD 4TB, 3trs warranty	HP/Dell,
15	NAS Storage, 20 TB	Dell / HP,
16	Fingerprint biometric machine	Essl/Honeywell/Virdi/Solus
17	4DoorormoreNetworkAccess Controller	Syris /Essl /HID/ Solus/ Honeywell,
18	Smart Card Reader	Syris /Essl /HID/ Solus/ Honeywell,

19	Access Electromagnetic Door lock	Ncom/ Essl / Honeywell / Bel / Uni,
20	Push to open button	
21	Network Access Control System management software	Ncom/ Essl / Honeywell / Bel / Uni,
22	Attendance management Software	Essl/Honeywell/Virdi/Solus
23	1080P resolution HD 2MP DOME Camera along with 12 V power Supply	Honeywell/Panasonic/Samsung,
24	16 Channel HD DVR with 4TB HDD	Honeywell /Panasonic/ Samsung,
25	RG-6 Coaxial Video Cable	Finolex/Belden/General Cable or Equivalent,
26	POWER 2 CORE CABLE	Super/Finolex/Belden/Polycab General Cable or Equivalent,
27	PVC PIPE / CONDUCT	
28	49inch LED Display with 2x HDMI inputs	Samsung/LG/Panasonic/Philips,
29	6feet Long HDMI male to male cable	Belden/Kramer/Honeywell/Extron
30	3500 ANSI Lumens WXGA resolution Projector, 1x HDMI, 1x VGA input. With inbuilt Speakers. RS232/ Ethernet Control	Optoma/Sony/NEC/Epson,
31	100inch Diagonal Motorised projection screen	Draper/Dalite/Grandview/Suvira,
32	Laptop presentation point with 1xMultiRegionPowerSocket, Pass through Hole for VGA, Audio, HDMI & LAN connectivity	Extron/AMX/Cestron/AVC,
33	Multi-format Scaling Switcher Transmitter-Receiver system with 2x HDMI input, 1x VGA audio input, Receiver Output: 1xHDMIoutput. Scaling upto resolution of WUXGA or more. Audio Embedding & De embedding feature	Atlona/Crestron/Extron/AMX,
34	Wireless Presentation System	Atlona/Wepresent /AMX /Extron/Crestron

35	8 or more Button based Controller with Volume Control knob/buttons for Projection Screen control, Projector control, audio control	Atlona/Crestron/Extron/AMX,
36	7-inch or more Room Scheduler panel with PoE and configuration through Microsoft Exchange or Office 365	Evoko/Extron/Crestron/Steelcase/AMX,
37	6feet Long HDMI male to male cable	Belden/Kramer/Honeywell/Extron/Crestron
38	6feet Long VGA & Audio male to male cable	Belden/Kramer/Honeywell/Extron/Crestron
39	HDMI to Display port active convertor	Extron/Kramer/Crestron/Equivalent
40	Other Cables & Connectors	Belden/Kramer/Honeywell/Extron/Crestron
41	75-inch LED professional Display	Optoma/Sony/NEC/Epson
42	Laptop Presentation point with 1xMultiRegionPowerSocket, Pass through Hole forVGA, Audio, HDMI & LAN connectivity	Extron/AMX/Cestron/AVC,
43	Full HD video Conferencing System with 12x Zoom PTZ camera,1+4ormorelocations multiparty conferencing system	Polycom/Cisco,
44	Multi-format Scaling Switcher Transmitter-Receiver system with 2x HDMI input, 1x VGA audioinput ,Receiver Output: 1xHDMIoutput.Scalingupto resolution of WUXGA or more. Audio Embedding &De embedding feature	Atlona/Crestron/Extron/AMX,
45	Wireless Presentation System	Atlona/Wepresent/AMX/Extron/Crestron
46	1:2 HDMI Distribution amplifier	Atlona / Crestron / Extron/ AMX
47	8 or more Button based Controller with Volume Control knob/buttons for Projection Screen control, Projector control, audio control	Atlona/Crestron/Extron/AMX,

48	7inchormoreRoomScheduler panel with PoE and configuration through Microsoft Exchange or Office 365	Evoko/Extron/Crestron/Steelcase/AMX,
49	6feet Long HDMI male to male cable	Belden/Kramer/Honeywell/Extron/Crestron
50	9feetLongHDMImaletomale cable	Belden/Kramer/Honeywell/Extron/Crestron
51	6-feet Long VGA & Audio male to male cable	Belden/Kramer/Honeywell/Extron/Crestron
52	HDMI to Display port active convertor	Extron / Kramer/ Crestron/
53	Other Cables & Connectors	Belden/Kramer/Honeywell/Extron/Crestron
54	49-inch LED Display with 2x HDMI inputs	Samsung/LG/Panasonic/Philips
55	Wireless Presentation System	We present /AMX /Extron /Kramer/ Crestron
56	6-feetLongHDMImaletomale cable	Belden/Kramer/Honeywell/Extron
57	49-inch LED Display with 2x HDMI inputs	Samsung/LG/Panasonic/Philips
58	Wireless Presentation System	We present /AMX /Extron /Kramer/ Crestron,
59	6feetLongHDMImaletomale cable	Belden/Kramer/Honeywell/Extron
60	49-inch LED Display with 2x HDMI inputs	Samsung/LG/Panasonic/Philips
61	Network Media Player with HDMI output	3M /Scala /AMX,
62	6-feetLongHDMImaletomale cable	Belden/Kramer/Honeywell/Extron/Crestron
63	5000 Lumens WXGA resolution Projector,1xHDMI,1xVGA,RS 232/Ethernet control	Optoma/Sony/Christie/Epson/NEC,
64	110-inch Motorized projection Screen with LVC controller	Draper /Dalite / Suvira/ Liberty
65	85-inch 4K LED professional Displaywith2xHDMI,1xVGA input,RS232/Ethernet Control	Christie/Samsung/NEC, Panasonic
66	Laptop Presentation point with 1xMultiRegionPowerSocket, 1 USB power Socket, Pass	Extron/Kramer/Cestron/AVC,

	through Hole for VGA, Audio, HDMI & LAN connectivity	
67	Multi-Format Twisted Pair transmitter with 1x VGA input, 1xHDMIinput,Output:1xRJ45 (HD base T/Twisted pair output), 70mtrs distance support, 4K resolution	Atlona/Extron/Crestron/AMX,
68	8-input4-outputDigitalMatrix Switcher with 3x HD baseT input,5xHDMIinput,Output: 2xHDbaseT,2xHDMI.Scaling on twisted pair output or in HDMI receiver	Atlona/Extron./Crestron/AMX,
69	HDMI & Control Twisted pair receiver with inbuilt Scaling facilityupto4Kresolutionor scaling in the Digital Matrix Switcher twisted pair output. Supporting 70mtrs distance	Atlona/Extron./Crestron/AMX,
70	Full HD video Conferencing System with 12x Zoom PTZ camera,1+40morelocations multiparty conferencing system	Polycom/Cisco,
71	Wireless Presentation System	Atlona/Wepresent/AMX/Extron/Crestron
72	Chairman Gooseneck Conference system with Mute on/Off button & Priority button	Sennhieser/DBX/Beyerdynamic/Televic
73	Delegate Gooseneck Conference microphone system with Mute on/Off button	Sennhieser/DBX/Beyerdynamic/Televic
74	Conference Control unit with RS232/Ethernet control, 40 or more microphone support	Sennhieser/DBX/Beyerdynamic/Televic
75	Two-way ceiling speakers 20W or more	Apart/Extron/JBL/Tannoy/Electrovoice
76	Dual Channel Audio Amplifier, 100W or more per channel, Class D/TD	Apart/Extron/Crown/Labgruppen/Powersoft
77	7-inch or more touch Control Panel for Control of room equipment	Atlona/Extron/Crestron/AMX,

78	AV Control Processor with RS232 controls, Ethernet Control, Relay Control	Atlona/Extron/Crestron/AMX,
79	7-inch or more Room Scheduler panel with PoE and configuration through Microsoft Exchange or Office 365	Evoko/Extron/Crestron/Steelcase/AMX,
80	6-foot Long HDMI male to female cable	Belden/Kramer/Honeywell/Extron/Crestron
81	9-foot Long HDMI male to female cable	Belden/Kramer/Honeywell/Extron/Crestron
82	Shielded Twisted pair cable 24 AWG	Belden /Kramer /Extron/ Crestron
83	Other Cables & Connectors	Belden/Kramer/Honeywell/Extron/Crestron
84	HDMI to Display port active convertor	Extron/Belkin/Crestron/Equivalent
85	19-inch Equipment Rack	Valrack / Comrack / President

Annexure IX: Technical Specifications of Works

A. Civil and related works

Sr. no.		Remarks
1.0	CIVIL WORK	
1.1	Demolition /Clearing Works	
1.1.1	Existing brick wall, flooring, tiling, false ceiling and other works demolition in complete all respect .Rates shall include disposal of all debris from site to MSD disposal points.	As per market rate 30 Rs. per sq. ft. considered for office demolition work.
1.2	Masonry Walls	
1.2.1	Providing and erecting 4 1/2"thk, Single brick wall (first class bricks) in cement and sand mortar 1:3 with flush joint complete with material, labour, scaffolding, curing etc. The rate to include 2 Nos 6mm dia. M.S. bars at every alternate third course of half brick masonry. The work to include cost for lintels /sills in RCC required for Doors, windows, openings etc. excluding plaster.	
1.2.2	Same as 2.1 but 9" thk (Double brick wall)	
1.3	PCC Works	
1.3.1	P/E Plain cement concrete including shuttering if required for Exterior Works. The thickness may vary from 3" to 4" as per requirement.	
1.3.2	Same as 4.1 above but for levelling course for flooring within the Premise if required subject to prior approval.	
1.4	Plaster	
1.4.1	P/A 1:4 cement plaster with waterproofing compound to brick/ RCC work in single coat of average 3/4" thick finished to receive plaster of Paris levelling coat.	
1.5	IPS flooring:	
7.1	Providing and laying cement concrete flooring 40mm thk. M-15, C.M. laid to proper level and slope in alternate bays including compaction filling joints marking lines to give the appearance of tiles 30cm x 30cm laid diagonally or square finishing smooth (with extra cement) in any colour as directed and curing complete in all respect.	
1.6	WATERPROOFING	
1.6.1	P/A waterproofing treatment for toilets, pantry counter as per DSR Item No. 22.7 of DSR 2016 including cement plaster in 1:3 with water proofing compound, finished with neat cement in floor upto 3'-0" htd. Including curing as per India Waterproofing Co method. with a guarantee for 5 years. P/L	

	Brick bat co baup to 6"thkin1:4over the above water proofing course including finishing the top surface to receive the floor tiles as per India Waterproofing Co. Measurements of floor area shall only be considered for said works. Location- Toilets and Pantry	
2.0	Flooring and Dado	
	For make and type/design of flooring material refer Make list	
2.1	Matt finish Vitrified Tiling:	
2.1.1	Providing and laying Matt finish Vitrified tiles in floor with different sizes(thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622,ofapprovedbrand&manufacturer,inallcoloursand shade , laid with cement based high polymer modified quickset tile adhesive (water based) conforming toIS:15477,in average 6 mm thickness , including grouting of joints (Payment for grouting of joints to be made separately). (Size of Tile 600x600mm) Location –Toilets	Base price 80Rs. per sq.ft.
2.1.2	Same as 2.1.1 but for providing and fixing 4" high skirting/ border.	
2.2	Matt finish Vitrified Tiling:	
2.2.1	Providing and laying Matt finish Vitrified tiles in floor with different sizes(thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622,ofapprovedbrand&manufacturer,inallcoloursand shade, laid with cement based high polymer modified quickset tile adhesive (water based) conforming to IS:15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately) (Size of Tile 900x900mm) Location -Pantry, open work area	Base price80Rs. Per sq.ft.
2.2.2	Store room, electrical room and AHU room	Market rate, base rate of tile 40 Rs. per sq. ft.
2.2.3	Same as 2.2 but for providing and fixing4"highskirting/border.	
2.3	Raised Floor Providing and fixing Access Floor panel of 600x600x32mmmediumgradeFilledSteelanti-statichigh- pressure Lamination of 800 H grade (FS800H).Access Floor panel shall be steel welded construction with an enclosed bottom pan with uniform pattern of 64 hemispherical cones.	

	<p>The top and bottom plates of Steel Gauges: top 0.6 mm and bottom 0.7 mm fused spot welded together (minimum 64welds in each dome and 20 welds along each flange). The panel should be corrosion resistant epoxy coated for lifetime rust protection and cavity formed by the top and bottom plate is filled with Pyrogrip non-combustible Portland cementitious score mixed with lightweight foaming compound. The access floor shall be factory finished with Anti-static High-Pressure laminate with Non-Warp technology up to 1mm thickness for superior adhesion and Surface flatness within 0.75mm. The panel is to withstand a Concentrated Load of 363 kgs applied on area 25mm x 25mm without collapse in the centre of the panel which is placed on four steel blocks. The panel will withstand and Uniformly Distributed Load (UDL) minimum 1250kg/sqm and, an impact load of 50 kg all complete as per the approved manufacturers specification and as per the direction of Engineer-in-charge. All specification must be printed on the side of the panel to ensure the quality of the product. 300 mm Finished Floor Height (FFH) Location-Server room</p>	
2.4	<p>Providing and laying machine cut ,mirror polished Marble stone flooring ,in required design (Simple geometrical, abstract etc.) and in patterns in combination with Italian marble stones of different colours, shades and finished surface texture etc., in linear portions of the building, all complete as per the architectural drawings, with 18mm thick stone slab laid over 20mm (average) thick base of cement mortar 1:4 (1 cement: 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. 18 mm thick Italian Marble stone slab, Beige colour stone flooring - Reception and Lift Lobby.</p>	
2.5	<p>Providing and laying machine cut ,mirror polished Marble stone flooring, in required design (Simple geometrical, abstract etc.) and in patterns in combination with Italian marble stones of different colours, shades and finished surface texture etc., in linear portions of the building, all complete as per the architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement: 4 coarse sand) laid and jointed with white cement slurry @ 4.4</p>	

	Kg/sqm including pointing with white cement slurry ad mixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. 18 mm thick Italian Marble stone slab, Beige colour stone Flooring -VIP Sitting area.	
2.6	Carpet Tile Flooring in Meeting room, Conference room, CEO Cabin, MD cabin & PA cabin	Flotex, Interface, Modules.
2.6.1	Carpet Tile Flooring Combination in Cabins	Flotex, Interface, Modules.
2.7	Providing & laying of wooden flooring best quality in Per goor equivalent make as approved by Architect (Tongue & groove) using 12 x 195 x 1282 mm approx. size. The cost to include skirting, reducers & Tee sections. This is also to include providing of polythene sheet, Foam of 2mm & glue. Grade to be used: 32. No extra shall be measured for Skirting	Herring Bond, Hornitex, Egger
3	Cladding work	
3.1	Providing and fixing polished Vitrified tiles on walls with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, fix with cement based high polymer modified quickset tile adhesive (water based) conforming to IS:15477, in average 6mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). (Size of Tile 900x600mm) Location – Pantry	Basic Rate Rs. 110=00
3.2	Providing and fixing polished Vitrified tiles on walls with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, fix with cement based high polymer modified quickset tile adhesive (water based) conforming to IS:15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). (Size of Tile 600x600mm) Location – Toilets	Basic Rate Rs. 60=00
3.3	Providing and fixing machine cut, mirror polished Marble stone Cladding, in required design (Simple geometrical, abstract etc.)	Base rate 250Rs. Per sq. ft.

	and in patterns in combination with Italian marble stones of different colours, shades and finished surface texture etc., in linear portions of the building, all complete as per the architectural drawings, with 18 mm thick stones labon over 20 mm (average) thick base of cement mortar1:4 (1cement:4 coarse sand) laid and jointed with white cement slurry @4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. 18 mm thick Italian Marble stone slab, Beige colour stone Cladding - lift lobby area	Basic Rate Rs. 350=00
	Plumbing work	
9.0	Pantry counters	
9.1	Providingandfixing18mmthickgangsawcut,mirrorpolished, pre-moulded and pre-polished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand),joints Treated with white cement ,mixed with matching pigment, epoxy touchups ,including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.	Basic Rate Rs. 190=00
9.2	Item same as above, Corian Lunch counter with all supporting structure & fixing arrangements	Dupont
9.3	LACQUER GLASS: ProvidingandfixingofGlasscladdingformedof6mmthick Planilaque Evolution Coloured Lacquer Glass (Saint Gobain make)fixed with manufacturer specified make adhesive on existing partition/paneling as per details drawing and as directed by Architect.	Saint Gobain, Modi Guard, Asi
12	PLUMBING	
12.1	Providing&fixingBasincounteratallheights&levels in18mm thick Granite (as per approved sample & pattern), over necessary base frame, grinding, mirror polishing etc. all as per details, specifications, drawings and to the satisfaction of the Engineer.	
12.2	Supply fixing and installation of urinal partition in FROSTED GLASS 12 mm thick with polished edges fixed on brackets as per design all complete.	Saint Gobain, Modi Guard, Asi
12.3	Wash basin - vessel Above counter - Make kohler or as Equivalent	Kohler

12.4	Supply, Installing & fixing of Wall mounted EWC/WALL MOUNTED EWC with cistern tank including matching Standard seat cover, angle cock etc. complete.	Kohler, Roka, Durovit
12.5	Health faucet with metal hose and holder - Make kohler or as Equivalent	Kohler, Grohe
12.6	Paper holder - Make kohler or as equivalent	Kohler, Grohe
12.7	Soap dispenser - Make kohler or as equivalent	Kohler, Grohe
12.8	SS Dust bin	Kohler, Grohe
12.9	Bottle trap - Make kohler or as equivalent	Kohler, Grohe
12.10	Basin Mixer	Kohler, Grohe
12.11	Waste Coupling	Kohler, Grohe
12.1	Paper Napkin Holder	Kohler, Grohe
12.13	Supply & fixing of Robe Hooks Make kohler or as equivalent	Kohler, Grohe
12.1	Supply & fixing of Nahani trap with Stainless Steel Chilli trap	Kohler, Grohe
12.15	Providing & fixing 1/2" Two Way Bibcock for jets spray in EWC with necessary flanges.	Kohler, Grohe
12.2	Supply & fixing of Towel ring - Make kohler or as equivalent	Kohler, Grohe
12.17	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required including angle cock, plumbing, bottle trap & long body tap swing type etc. call complete	Kohler, Jyana
12.18	Hand dryer Make Euronics or as equivalent	Urasonic
12.19	Geyser	
	Instant Geyser - for CEO toilets	
	50 litres capacity - for Main Pantry	AO Smith, Racold, Jaguar
	25 litres Capacity - for Public toilets	AO Smith, Racold, Jaguar
12.20	Supply, fixing & installing of urinal including Censor.	Euronics, Kohler
12.21	Supply fixing and installation of Concealed stop cocks (to be provided only at the entry point of plumbing lines within the toilets /pantry)	Kohler, Grohe
12.2	Internal concealed plumbing works for water supply, drainage and related works per toilet comprising of wash basin, WC, urinals etc. all complete. Gents Toilet	
12.23	Internal concealed plumbing works for water supply, drainage and related works per toilet comprising of wash basin, WC etc. all complete. Ladies Toilet	

12.2	Internal concealed plumbing works for water supply, drainage and related works for pantry comprising of sink, provision for water heater, aqua guard, etc.	
12.3	WC cubical	Green, Design Space
13.0	External plumbing works.	
	Providing & laying heavy type 'C' class galvanised pipes with screwed sockets, joints, and necessary GI fittings such as socket, elbows, bends, tees etc. including making/ drilling holes in walls/ slabs and remaking good the damages in original conditions and applying two coats of oil paint of approved shade. The rate is inclusive of necessary scaffolding.	
13.1	40mmdia	
	Supplying and fixing of PVC Pipe of SWR Grade of approved NHA including all necessary fitting fixed with GI Clamp making necessary holes in vealts, refilling the same with concrete making good the damaged portions with matching plaster complete in all respects. The rate is inclusive of scaffolding.	
	8" dia.	
14.0	External Paving/Flooring/Window sill	
14.1	<u>Sill & jamps to windows / Doors.</u> Providing and laying in required positions granite, slab20mm thk.Upton6'-6" in length (Single piece), of approved make & colour with machine, cut and machine polish upto 6" wide; in cement mortar of 1:3 for sills and jambes of windows as per design and drawings. The rate is inclusive of full rounded molding at the edges from inside. Basic rate of granite = Rs. 150 per sq. ft.	
14.2	<u>Door frames of Toilet/Pantry</u> Providing and fixing door frames out of Marble slabs (double layer) of 6" width and 7" width machine cut, machine polish with moulded edges as per design fixed on wall in cement mortar 1:3 including filling the joints with colour cement complete in all respect. Basic rate of marble Rs.75 per sq. ft.	

B. POP and False Ceiling related works

Sr. No.	Item	Remarks
	POP & FALSE CEILING WORKS	
1	POP PUNNING	
	Providing and applying Plaster of Paris punning of average thickness 2 mm existing wall surfaces so as to achieve smooth surface finish. The rate to include cost for making grooves if required in horizontal or vertical direction near doors, windows, skirting etc.	
2	PLAIN GYPBOARD FALSE CEILING	
2.1	Calcium silicate board False ceiling with coves Location –Toilets	
2.2	Gypsum Board false ceiling Location-Server room, Electrical room,	
2.3	Reception Area-Combination of Gypsum Board ceiling covered in Painted POP & wooden slats.	50% of area in Wooden slats & 50% of area in Gypsum
2.4	Gypsum Board False ceiling with coves- Location Cabins	
2.5	Cove in false ceiling	
3	GRID FALSE CEILING /Modular False ceiling	
3.1	Perforated Metal False ceiling with white paint in Open work area	
4	CEILING PELMETS: - Providing and fixed pelmet of overall size 150mmx150mm and made hardwood framings hung from ceiling @ 1000mm centre to centre with 2 nos of 12mm thk Commercial ply on vertical & 12mm the. Commercial ply on horizontal surface (straight & curved) including 3 or more coats of plastic emulsion paint of approved quality and shade etc. all hardware etc. complete as per detailed drawing and entire satisfaction of engg. In charge/ Architect.	
5	TRAP DOORS	
	Specification	
5.1	Providing and fixing trap doors for access to the are as above false ceiling. The trapdoor shall have an external frame made of 2"x2" in good quality seasoned wood scantling on which the shutter is hinged. Shutter shall be made of 19mm. BWP ply. The exposed side shall be laminated in approved quality and colour .Concealed	

Heavy duty hinges shall be used to mount the shutters and locking shall be provided with panel locks. The shutter shall be moulded in level with the false ceiling forming a groove all around.

Sufficient number of hinges and locks shall be provided to avoid sagging of the shutter. Key also shall be supplied. No extrarate shall be provided for suspenders or frame works all round for linking the trap door to gyp board false ceiling.

C. Carpentry Works

Sr no	Item	Remarks
1	PARTITIONS	
	Full Height Partition with glass wool	
1.1	P/F partitions made out of Aluminium cross-section/2"x11/2"salwood section framework2'-0"c/c both ways treated with anti-termite solution, covered with 8 mm thk commercial ply wood / partly glazed with approved shape & shade of finish as per material mentioned below. All provisions to be made for all electrical, net- working boxes on to partition framework at required heights/levels with necessary additional supports as directed.	
1.1.1	Both sides Gypsum Board	
1.1.2	Same specification as above in1but w/oany plywood/finish above the false ceiling area.	
2	Partition with 12 mm thick toughened glass full height glass embedded in aluminium anodized sections all around for glazing. Anodising to be Natural Finish shade. Area - main wall for all the cabins	JEB Partition
2.2	Skirting in veneer / teak wood of 4" - Cabin area	
3	Column / wall panelling (only for Metro/Urban Branches)	
	Fabricating and fixing wall/column panelling to consist of 37.5mm x 50mm treated salwood framework or Aluminium Sections at spacing not exceeding 600 mm both ways (horizontal and vertical). Panelling framework to be secured to wall surface/column surface.	
3.1	Wooden slats panelling in VIP waiting room, CEO & MD room	Polished Veneered
3.2	Wooden Wall Panelling in Meeting & Conference room	Polished Veneered
3.3	SILL/LEDGE with Laminate finish on Perimeter Glazing Providing and laying, laminated sill/ ledge comprising of 1mm thick laminate over 19 mm thick BWP commercial board with 1.2 thick. PVC edge lipping and clear transparent silicon sealant at junction with wall and glass .all complete as per design and drawing & entire satisfaction of engg. In charge & architect.(250x100mm section in laminate finish) Area - Along with the facade	
4	Green wall - For columns & wall	
5	DOORS	

5.1	Providing and fixing single leaf solid core flush door 40 mm thick factory made finished on both sides with 1.0 mm thick laminate of approved shade as indicated in drawing. Shutter to be lipped on all sides with 12mm thick teak wood beading. All exposed wood veneer and timber surfaces to be finished with minimum 2 coats of spray applied mattme lamine polish.(Both side Laminate)	
5.1.1	Utility area doors	Utility area Doors
5.1.2	Utility doors hard ware	
5.2	Door - Providing & fixing in position glazed entrance door which is frameless using 12mm toughened glass with edge polish. The door to consist of Dorma floor spring BTS 75, Top patch SM 1020, Bottom patch SM 1010, Patch lock SM 1049E, Top pivot SM 1001 & S. S handle from dorset. This is also to consist of fixed glazed panelling. Cost to include silicon sealant and cost towards etching of Birla 3M make Cabins	Cabin doors, Main door
5.3	Extra For door with vision/glass panel the rates in above shall be increased by Rs30 per sq. ft. The glass to be used shall be 8 mm thk and etching as per design required by the architect.	
5.5	Providing and fixing Door frame made out of CP Teak/Ashwood or equivalent for doors fixed on walls. Size of the frame approximate 100mm wide X 50 mm thick. Area - Utility area doors.	
7	STORAGE Units	
7.1	Providing and fixing the 1'-6" wide storage units. The storage units shall have shutters made in 19 mm plywood and finished in polished veneer finish of approved shade including top. The storage units shall have intermediate shelves made in 19 mm thick plywood with polished veneer finish. The storage shall have matching wood edge moulding as per the detail drawings. This also includes providing necessary hardware like handles, hinges, locks, tower bolts etc. of approved make. All exposed wooden surfaces shall be stained to shade. Area - All storages (Full height, Low height, under counter & over counter)	
11	Pin up board	
11.1	P/F 15 thk. Pin up board comprising of 12 thk. back Ply fixed on wall with 15 mm thk pin up board (Soft board) covered with fabric of approved co. (Basic rate=Rs.150 per running meter.) with TW beading 1"x1" all around finished melamine polish.	

13	STORAGE WITH LOUVERED SHUTTERS (only in case of Metro/Urban branches)	
	Fabricating and fixing storages made of 19 mm ply with 6 mm thk lipping and finished with laminate and having shutters made of 75 mm x25 mm wood outer frame and have 25 x 12 mm thick louvers made of wood and fixed at 30 degree angle and the gap between them not to be more than 10 mm. All wooden surfaces to be melamine polished and finished to attain uniform colour. Unit to be completed with all necessary hardware like hinges, handles etc. and complete as per architects' instructions.	
16	MIRROR Panelling	
16.1	Providing and fixing mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C. P. brass screws and washers complete. (For Toilets) Rectangular shape 1000 x 900 mm	
18	Floor Mats	
	Specification	
18.1	Providing and fixing floor mats in areas such as Entrance, outside toilets etc. This also includes providing the necessary cut-out in the flooring to recess the mat to match to the level of the flooring .Floor mat must be heavy duty cushion mat of approved make	
20	VERTICAL BLINDS Vista/Macmake. Blinds made using translucent fabric papillon flock/ tropical hyes /twilight. Area - Along with Façade glazing	
21	Extra for Motorised blinds with remote. Meeting room and Conference Room	
22	Providing and fixing of Shatter proof film on glass of Gar ware make as per design.	

D. Painting and related works

Sr.no.	Item	Remarks
	Painting works	
1	Providing and applying white Plastic paint on Gypsum board false ceiling and walls paint of required shade, New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat and putty work.	
2	Providing and applying white cement-based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	
3	PAINTING WITH TEXTURE PAINT	
	Specification	
A	Textured super fine paint shall be applied after preparing the surface to the satisfaction of the Architect to get the antique finish. The paint shall be applied using texture roller to give a uniform roller texture finish with two coats different colours of plastic emulsion paint as per Sl.No.2.The texture paint used shall be of spectrum make.	
B	Specialised painting from Oikos / Graphic paint as approved by the Architect	

E. Anti-Termite treatment

Sr no	Item	Remarks
A	Anti-Termite Treatment in total	
	Rates based on carpet area of the premise	
	Works to be taken up by PEST CONTROL INDIA (PCI) or Godrej Hicare only	
	To be paid only on submission of one-year warranty certificate from a reputed Agency	

F. MEP Work includes

S. No.	Description	Remarks
1	HVAC Works (Low Side)	
2	Fire Alarm System	
3	Electrical and Lighting fixtures	

G. ICT Work includes

S. No.	Description	Remarks
1	LED professional Display	
2	Laptop Presentation point with 1xMulti-Region Power Socket, Pass through Hole for VGA, Audio, HDMI & LAN connectivity	
3	Full HD video Conferencing System with 12xZoom PTZcamera,1+4ormore locations multiparty conferencing system	
4	Multi-format Scaling Switcher Transmitter-Receiver system with 2x HDMI input,1xVGA audioinput,ReceiverOutput:1xHDMIoutput.Scalingupto Resolution of WUXGA or more. Audio Embedding & De embedding feature	
5	1:2 HDMI Distribution amplifier	
6	7inch or more touch Control Panel for Control of room equipment	
7	AV Control Processor with 2 RS232 controls, Ethernet Control, 2 Relay Control	
8	Wall mount Audio Speaker 3" Driver,15W	
9	Dual Channel Audio Amplifier, 15W per channel	
10	6feet Long HDMI male to male cable	
11	9feet Long HDMI male to male cable	
12	6feet Long VGA & Audio male to male cable	
13	HDMI to Display port active convertor	
14	Other Cables & Connectors	
15	5000 Lumens WXGA resolution Projector, 1x HDMI, 1x VGA, RS 232/Ethernet control	
16	110inch Motorised projection Screen with LVC controller	
17	Laptop Presentation point with 1xMultiRegionPowerSocket,1USBpower Socket, Pass through Hole for VGA, Audio, HDMI & LAN connectivity	
18	Multi-Format Twisted Pair transmitter with1xVGA input,1xHDMI input, Output:1xRJ45(HD baseT/Twisted pair output),70mtrs distance support, 4K resolution	
19	8 input 4 output Digital Matrix Switcher with 3x HD base Tinput, 5x HDMI input, Output:2xHD baseT,2x HDMI. Scaling on twisted pair output or in HDMI receiver	
20	HDMI & Control Twisted pair receiver with inbuilt Scaling facility upto 4K resolution or scaling in the Digital Matrix Switcher twisted pair output. Supporting 70mtrs distance	
21	Chairman Goose neck Conference system with Mute on/ Off button & Priority Button	
22	Delegate Gooseneck Conference microphone system with Mute on/Off Button	
23	Conference Control unit with RS 232/Ethernet control, 40 or more microphone support	

24	Two-way ceiling speakers 20W or more	
25	Dual Channel Audio Amplifier, 100W or more per channel, Class D/TD	
26	Audio DSP with 12x8 configuration, at least 8 channel of AEC	
27	7inch or more touch Control Panel for Control of room equipments	
28	AV Control Processor with 3x RS232 controls, Ethernet Control, 2x Relay Control	
29	8port Network Switch for AV equipments	
30	6feet Long HDMI male to male cable	
31	9feet Long HDMI male to male cable	
32	Shielded Twisted pair cable 24 AWG	
33	Other Cables & Connectors	
34	HDMI to Display port active convertor	
35	19inch Equipment Rack	
36	UTM with inbuilt or external access point controller upto 100 users	
37	8Port 10/100 Network Switch for conference & Meeting Room	
38	L2 switch 24port, managed	
39	L2+ managed 24port POE switch	
40	Access point, indoor wireless 280 Dual radio, Freq: 802.11A/B/G/N and 802.11A/N/AC, 1x GERJ 45port	
41	Cat-6 Cable	
42	RJ 45 connector	
43	Wall Mount Rack	
44	PVC Conduit	
45	CAT 6 Patch Panel	
46	CAT 6 Patch Cord (1mtr)	
47	CAT 6 Patch Cord (2mtr)	
48	IO Port with Faceplate and gang box	
49	Server, 2x Intel Xeon Processor, E52683V4, RAM 128GB, HDD 4TB, 3 yrs Warranty	
50	Microsoft Exchange Server 2016 Enterprise edition	
51	Server Rack with Cooling & PDU	
52	Fingerprint biometric machine	
53	4 Door or more Network Access Controller	
54	Smart Card Reader	
55	Access Electro-magnetic Door lock	
56	Push to open button	
57	Network Access Control System management software	
58	Attendance management Software	
59	Wire and PVC accessories	
60	1080P resolution HD 2MP DOME Camera along with 12 V power Supply	
61	16 Channel HD DVR with 4TB HDD	
62	RG-6 Coaxial Video Cable	
63	POWER 2 CORE CABLE	

64	PVC PIPE /CONDUCT	
65	24inch Full HD Display	