

NIT & ITB

**Installation & Commissioning of ICT Systems
for Health Emergency Operation Center at
Nirman Bhawan, New Delhi-Phase 1 on Turnkey
Basis.**



CLIENT

(Ministry Of Health and Family Welfare, Govt. of India)

PROJECT CONSULTANT



HLL Infra Tech Services Limited (HITES)

Fully owned subsidiary of HLL Lifecare Ltd. (HLL)
(A Govt. of India Enterprise)

On behalf of

Ministry of Health & Family Welfare (MoHF&W)

Invites

E-Tender

**For Supply, Installation & Commissioning of ICT Systems for Health
Emergency Operation Centers at Nirman Bhawan, New Delhi-Ph 1**

On Turnkey Basis

Tender No. HITES /PHEOC-01/20-21

Volume-1

Notice Inviting e-Tender

&

Instructions to Bidders

(August, 2020)



B-14 A, SECTOR 62, NOIDA, UP 201 307

PH.: 0120 4071 500 FAX: 0120 4071 513

www.hllhites.com

TABLE OF CONTENTS

Sr. No.	Items	Page No.
1.	Disclaimer	4
2.	Definitions	4
3.	Section-I (Notice Inviting Tender-NIT)	8
4.	Eligibility Criteria	9
5.	Section-II (Instruction to Bidders)	13
6.	Introduction	13
7.	Contents of Package	15
8.	Financial Packages	17
9.	Power of Attorney	17
10.	Bid opening and evaluation	18
11.	Determination of responsiveness	18
12.	Evaluation of Bid	19
13.	Clarification of Bid	19
14.	Process to be confidential	19
15.	Award of Contract	19
16.	Section - III Evaluation Process	21
17.	Evaluation Process & Criteria, Stage-I (Technical Evaluation), Stage-II (Financial Evaluation), Letter of Award	21
18.	Form "A" – Form of Bid	23
19.	Form "T-1" (Financial Information)	26
20.	Form "T-2" (Details of Eligible Similar Nature of Works Completed)	27
21.	Form "T-3" (Performance Report of Works Referred To In Form-T-2)	28
22.	Form "T-4" (Structure and Organization)	29
23.	Form "T-5" (GST Registration Details)	30
24.	Form "C" – Form of Performance Bank Guarantee	31
25.	Form "D" – Form of Agreement	33
26.	Form "E" – Format of Power of Attorney for signing of proposals	35
27.	Form "F" – Undertaking- Specialized Agency	36
28.	Form "G" –Affidavit - Litigation details etc.	36
29.	Form "H" Affidavit -PF/ESI etc.	37
30.	Checklist of Documents to be submitted with the Bid	38
31.	Section- IV (Detailed Scope of Work & Technical Specifications)	39
32.	Section-V (Technical specifications for tendered items)	42
33.	Section-VI (Price Bid Format (in PDF) – Download Excel from e-tendering CPPP portal)	50

DISCLAIMER

This document has been prepared by HLL Infra Tech Services Limited, on behalf of Ministry of Health & Family Welfare, Govt. of India for the Project. The information is provided to prospective Bidders, who are interested to Bid for “*Supply, Installation & Commissioning of ICT Systems for Health Emergency Operation Centers at Nirman Bhawan, New Delhi on Turnkey basis*”.

This document is neither an agreement, nor an offer or invitation to perform work of any kind to any party.

The purpose of this document is to provide interested parties with information to assist the preparation of their Bid. While due care has been taken in the preparation of the information contained herein, and believe it to be complete and accurate, neither any of their authorities or agencies nor any of their respective officers, employees, agents or advisors give any warranty or make any representations, expressed or implied as to the completeness or accuracy of the information contained in this document or any information which may be provided in association with it.

Further, HITES do not claim that the information is exhaustive. Interested parties are required to make their own inquiry/ survey and will be required to confirm, in writing, that they have done so and they did not rely solely on the information given herein.

HITES reserve the right not to proceed with the Project or to change the configuration of the Project, to alter the timetable reflected in this document or to change the process or procedure to be applied. It also reserves the right to decline to discuss the Project further with any interested party.

No reimbursement of cost of any type or on any account will be made to persons or entities submitting their Bid.

Definitions

1. “**Application**” shall mean the response submitted by interested parties.
2. “**Project**” shall mean “*Supply, Installation & Commissioning of ICT Systems for Health Emergency Operation Center at Nirman Bhawan, New Delhi on Turnkey basis*”.
3. “**Site**” shall mean the place where the works under the Project are to be carried out and the details of which are provided in this document.
4. “**BID/Tender**” shall mean documents issued by HITES to the prospective Bidder. The word “**Tender**” is synonymous with “**Bid**”.
5. “**Bid Security/ Earnest Money**” shall mean the amount to be deposited by the Bidder with the Tender.
6. “**Bid Validity**” shall mean the period for which the Bids shall remain valid.
7. “**Bidder**” shall mean the individual, proprietary firm, firm in partnership, limited company, private or public or corporation participating in the tendering process pursuant to and in accordance with the terms of this document. The word “**Tenderer**” is synonymous with “**Bidder**”.
8. “**Client/ Employer/ MoHF&W**” shall mean Ministry of Health & Family Welfare, Govt. of India or their nominee/ assignee.

9. **"HITES"** shall mean HLL Infra Tech Services Limited (HITES), a fully owned subsidiary of HLL Lifecare Ltd. (HLL), appointed as Project Consultant by Ministry of Health & Family Welfare, Govt. of India for *"Supply, Installation & Commissioning of ICT Systems for Health Emergency Operation Centers at Nirman Bhawan, New Delhi Turnkey basis"*.
10. **"Contract Agreement"** shall mean the agreement to be signed between the Successful Tenderer and the competent authority for and on behalf CLIENT /HITES and/or their authorized representative.
11. **"Contract Price"** shall mean the financial bid of the Successful Tenderer as accepted by the CLIENT/HITES.
12. **"Date of commencement of work"** shall mean the date of Start as specified in the Schedule "F" or the date of handing over of the site, whichever is later as indicated in the tender document.
13. **"Defects Liability Period"** means the period after completion of the Project during which the Client or his authorized representative / Engineer-in-charge/HITES that will notify to the Contractor any defect noticed in the work and the Contractor is liable for rectification of such defects. Proof of dispatch of letter notifying the defect/ intimating the representative of Contractor at site on the last date of Defect liability period will make the Contractor liable for rectify all such defects.
14. **"Engineer-in-Charge" (EIC)** means the Engineer Officer as authorized by HITES.
15. **"Evaluation Committee"** shall mean the committee for the evaluation of the bids as constituted by HITES.
16. **"Successful Tenderer"** shall mean the Tenderer declared technically and financially successful for the Project and with whom, the Contract Agreement shall be signed.
17. **"Letter of Award/ Letter of Acceptance"** shall mean the letter issued by the HITES to the Successful Tenderer inviting him to sign the Contract Agreement.
18. **Performance Guarantee** shall mean the amount to be paid by the Successful Tenderer as per relevant clause mentioned elsewhere.
19. **"Similar Works"** shall mean the work as defined in eligibility criteria.
20. **"Scheduled banks"** mean **"Scheduled Commercial Banks"**
21. **"NIT"** means **Notice inviting e-Tender**. The word **"Notice Inviting e-Tender"** is synonymous with **"Notice Inviting Bids"**.
22. **"Tender/Bid Processing Fee"** shall mean the amount to be paid by the Bidders/Tenderers in consideration of cost of bid document.
23. **"ITB"** means **Instructions to Bidders**
24. **"YEAR"** means "Financial Year" unless stated otherwise.
25. **"GST"** shall mean Goods and Service Tax.
26. **"HEOC"** -Health Emergency Operation Center
27. **"SHEOC"** – State Health Emergency Operation Center

NOTICE INVITING e-TENDER

Supply, Installation & Commissioning of ICT Systems for Health Emergency Operation Center at Nirman Bhawan, New Delhi -Phase 1

For and on behalf of

(Ministry of Health & Family Welfare, Government of India)

Tender No. HITES /PHEOC-01/20-21

HLL Infra Tech Services Limited (HITES), a fully owned subsidiary of HLL Lifecare Ltd. (HLL), B-14-A, Sector-62, Noida-201307, on behalf of Ministry of Health & Family Welfare, Government of India for this Project, invites online bids on Design, Engineering, Procurement and Construction (EPC) basis through e-tendering from eligible contractors/firms in two bid system for the following work:-

Name and Description of work	Estd.cost	Completion period of Work	Date of availability of bid document online	Date & time of pre-bid meeting	Last date to fill/ upload the bid through e-tendering	Date of opening of bids	Bid Security amount (Rs.)
Supply, Installation & Commissioning of ICT Systems for Health Emergency Operation Centers at Nirman Bhawan , New Delhi complete in all respects on turnkey basis	Rs.1.25 Cr	03 Months	03-08-2020	12-08-2020 at 11:00 Hrs.	07-09-2020 Up to 15:00 Hrs.	07-09-2020 at 15:00 Hrs.	₹2,50,000/-

*The bidders shall submit the required EMD/Bid security thru' On-Line Payments to 'HLL Infra Tech Services Limited' on or before the scheduled date of close for participating in the tender. The details of the Bank Account are given as follows:-

Bank	Account No.	IFSC	Type of Account
HDFC Bank , sector -18 , Noida	57500000119955	HDFC0000088	Current Account

NOTE: - The successful transaction receipt of Payment of EMD shall be required to be uploaded in Part-1 of the Technical Bid & would form part of Eligibility Criteria. **NO MANUAL PAYMENT INSTRUMENT WOULD BE ACCEPTED.**

SPECIFIC Instructions for e-Tender Participation:-

1. Interested bidders are advised to download the complete Tender Enquiry document from the websites www.hllhites.com or www.eprocure.gov.in/cppp for complete details.
2. Bidders shall ensure that their tender(s), complete in all respects, are submitted online through CPPP website: <https://etenders.gov.in/eprocure/app> only.
3. The Bidder shall download the Bidding Document directly from the designated websites and shall not tamper/modify it including downloaded Price Bid template in any manner. In case if the same is found to be tempered/modified in any manner, Tender/Bid will be summarily rejected and EMD would be forfeited.
4. Bidders are advised to follow the instructions, for registering and online submission of their bid(s), as provided in the CPPP website and are requested to read them carefully before proceeding for bidding.
5. Bidders should be in possession of valid Digital Signature Certificate (DSC) of class III for online submission of bids. Prior to bidding, DSC need to be registered on the website mentioned above.
6. The tenderers shall submit EMD ON-LINE as mentioned above ,at or before the scheduled time.
7. All the tender related documents to be scanned in .pdf format with lower resolution and 100% readability and submitted online. The bidders shall not submit any other documents in physical form other than the documents mentioned in NIT.
8. Prospective bidders may send their queries 02 (two) days before the pre-bid meeting so that they can be studied and addressed during pre-bid meeting. Query can also be raised during pre-bid meeting. No queries/ representations will be entertained after pre-bid meeting .In view of Covid 19 restrictions for physical presence in Pre-Bid Meeting , an On-Line VC based Pre-Bid Meeting would be held. The details of such event shall be published on HITES Web portal (www.hllhites.com) . Prospective Bidders are requested to track the aforesaid intimation thru' Website.
9. Bidders shall ensure that their bids complete in all respects, are submitted online through CPPP e-portal (<https://etenders.gov.in/eprocure/app>) ONLY. No DEVIATION is acceptable.
10. Bidders may simulate bid submission (technical & financial) at least one week in advance of the bid submission deadline. No clarifications/troubleshooting regarding any problems being faced during online bid submission shall be entertained in the last week of bid submission.

The complete set of Tender Documents shall be made available, on e-Procurement System at NIC's (CPP Portal) <https://etenders.gov.in/eprocure/app>.

HITES reserves the right to accept or reject any application without assigning any reason or incurring any liability whatsoever.

Prospective bidders are advised to regularly scan through website of HITES www.hllhites.com and e-Procurement System at NIC's (CPP Portal) <https://etenders.gov.in/eprocure/app>, as corrigendum/amendments etc., if any, will be notified on this portal only and separate advertisement will not be made for the same.

COO (HITES)

SECTION-I

NOTICE INVITING e-TENDER (Detailed NIT)

M/s HLL Infra Tech Services Limited (HITES)

(A Government of India Enterprise)

As Project Consultant of Ministry of Health & Family Welfare, Govt. of India

- 1.1. HLL Infra Tech Services Limited (HITES), B-14-A, Sector-62, Noida-201307, on behalf of Ministry of Health & Family Welfare, Govt. of India for this Project, invites on-line bids for Supply , Installation & Commissioning of ICT Systems at Nirman Bhawan New Delhi on turnkey basis. from eligible bidders, in two bid system, through e-tendering.
- 1.2. The estimated cost of work is as given in Table - I. The COO (HITES) M/s HLL Infra Tech Services Limited (HITES), a fully owned subsidiary of HLL Lifecare Ltd. (HLL), (A Government of India Enterprise), will deal with all the matters relating to invitation of tenders. Any clarification shall be sought from office, B-14A, Sector – 62, NOIDA (UP) - 201307, by writing to <itnoida@hllhites.com> The NIT and other details are also available on the website of HITES www.hllhites.com and e-Procurement System at NIC's (CPP Portal) <https://etenders.gov.in/eprocure/app>.

TABLE – I

No.	Description	Details
1	Tender No.	HITES /PHEOC-01/20-21
2	Name & Description of Work	<i>Supply , Installation & Commissioning of ICT Systems for Health Emergency Operation Centers at Nirman Bhawan ,New Delhi on Turnkey basis</i>
3	Estimated cost (in Rs. in Crores)	Rs. 1.25 Cr
4	Completion period of work (Months)	03 months
5	Bid Security (EMD) amount (in Rs.)- Only ON-LINE mode.	₹2,50,000/-
6	Tender/ Bid Processing Fee to HITES	None
7	Date of availability of Bid documents on line.	03 rd August, 2020
8	Pre-Bid Meeting	12 th August'2020 at 11 am (IST)-thru' VC
9	Last date to fill/upload the e-tender through e-Tendering.	07 th Sept' 2020 at 3 pm (IST)
10	Date & time for opening of Technical Bids	07 th Sept' 2020 at 3.30 pm (IST)
11	Date of opening of Financial Bids	Technically qualified bidders to be intimated at appropriate stage.

Note:

- a. MSME registered bidders will be exempted from EMD based on submission of valid proof of their MSME registration at stage-1 (Technical Bid).
- b. The bidder would be required to register at e-Procurement System at NIC's (CPP Portal) <https://etenders.gov.in/eprocure/app>.

- 1.3.** Pre bid meeting will held on-line thru' Video Conferencing as published on at on the website of HITES www.hllhites.com/tenders/ and e-Procurement System at NIC's (CPP Portal) <https://etenders.gov.in/eprocure/app>.

Prospective bidders may send their queries 02 (two) days before the pre-bid meeting so that they can be studied and addressed during pre-bid meeting thru' e-mail to <itnoida@hllhites.com> During the course of On-Line VC Based Pre-bid meeting, the bidders will be free to seek clarifications and make suggestions for consideration. HITES shall endeavor to provide clarifications and such further information as it may, in its sole discretion, consider appropriate for facilitating a fair, transparent and competitive bidding process.

- 1.4.** The intending bidder must read the terms and conditions of Notice Inviting e-tender and the Bid documents carefully. It should only submit the bid if it considers eligible and is in possession of all the documents required. Intending bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of the respective client(s), of having satisfactorily completed the works given in the Eligibility Criteria specified below:

Eligibility Criteria

The bidders should meet the following minimum eligibility criteria:

Bidders who fulfill the following requirement shall be eligible to apply.

Direct / indirect Joint Ventures (JV)/ Consortium/Special Purpose Vehicles of whatsoever kind are not accepted.

- (a) Experience should be in the name of the bidding company and not in subsidiary/ associate company/ Group Company etc.
- (b) The Bidder shall have experience of having successfully executed and completed similar work of Supply , Installation of ICT equipment's& it's commissioning with IT & AV Components.
- (c) Three Works of Rs.05 Cr each or Two Works of Rs. 08 Cr each or Single Works of Rs.15 Cr each of such ICT work , work including LAN and connectivity infrastructure, telephone etc. in Central/State Government Department/Institute, in the last 3 years.

Copy of the Work Orders & Completion Certificates from Clients shall be submitted.

The experience of complete works shall be in the name of Bidder Company. Experience of completed works in Subsidiary/Group Company, Joint Venture Company or as sub-contractor shall not be considered and accepted.

- (d) **Turnover:** The Bidder shall have an average annual turnover of minimum Rs. 10.00 Crore in the last 3 financial years (i.e. F/Y 2016-17, 2017-18 & 2018-19). Copy of Audited Balance Sheets for all the three financial years shall be submitted.

- (e) **Profit / loss:** The bidder should not have incurred any loss (**profit after tax should be positive**) in more than two years during the available last five consecutive financial years ending 31st March, 2019. The balance sheets, Statement of Profit & Loss Account and Notes to Accounts should be duly audited and certified by a Chartered Accountant with his seal / signatures and firm registration number.
- (f) Should not have been blacklisted by any Central / State Government Department/Autonomous Body/PSU in last five years from the original last date of submission of the bid. The bidder shall submit duly notarized affidavit to this effect, as per prescribed format (Form “G”).
- (g) The Bidder shall have the following minimum Qualified and Experienced personnel for the successful completion of the works:

Role / Responsibility	Educational Qualification	Min. Work Experience	Number of personnel to be made available for the work
Project Manager- Civil / IT/Mechanical	B. Tech	6 Years	01
Engineer – Electrical/ Instrumentation	B. Tech / Diploma	5 Years	01
Technician -IT	Diploma/ITI	4 Years	01

1.5. Completion Period :

The total time allowed for carrying out the works will be **03 months from the date of issue of LoA** or Possession of Clear Site from the concerned Nodal Officer of HEOC.

1.6. The site(s) for the work are mentioned below:

Sl. No.	Description
1	Central Command Hub- Nirman Bhawan, Delhi – For ICT Work Only)

- 1.7. The bid documents consisting of Notice Inviting e-Tenders (NIT) & Instructions to Bidders (ITB), General Conditions of Contract, Pre-Contract Integrity Pact, Specific Conditions of Contract, Technical Specifications, Financial Bid and other necessary documents (if any) are available online at e-tender portal <https://etenders.gov.in/eprocure/app>.
- 1.8. Last date to fill/upload the e-tender through e-Tendering is as per Table-I above.
- 1.9. The bidder is required to have Class III (Signing and Encryption) Digital Signature Certificate (DSC) from one of the authorized Certifying Authorities. The DSC should be valid at least for a period of six months from the date of start of bidding. After submission of bid the contractor can re-submit revised bid any number of times but before the last time and date of submission of bid as notified. While submitting the revised bid, the contractor can revise the rate of one or more item(s) any number of times, but before the last time and date of submission of bids as notified.
- 1.10. The bidders are required to submit EMD thru' On-line Mode into the Bank Account of HITES as mentioned above. The Bid can only be submitted after uploading the prescribed scanned documents. All forms and formats are given in this document.

1.11. Earnest Money Deposit (EMD)

- i. **Earnest Money Deposit (EMD):** thru' On –Line mode (IMPS/NEFT/RTGS/ Direct Deposit at Bank drawn in favor of **"HLL Infra Tech Services Limited"** The Earnest Money Deposit amount proof shall be scanned and uploaded to the e-Tendering website within the period of bids submissions .

1.12. Online bid submitted by intending bidders shall only be opened of those bidders, whose have deposited the amount On-Line & attached the scan copy in Part-1

- i. The bid submitted shall become invalid if the bidder is found ineligible.
- ii. The bidder does not upload all the documents (including Goods & Service Tax (GST) registration, PAN Card as stipulated in the bid document.

1.13.

- a. The Technical Package and Financial Package as detailed in Section-II of ITB shall be submitted **online**, and will be opened as per the schedule at Table-I above.
- b. Bidders are requested **NOT to submit any hard copy of Technical or Financial Bid**. In case the hard copy of financial bid is submitted in physical form, the tender shall be straightway rejected. Also, uploading of the price bid in prequalification bid or technical bid will RESULT IN REJECTION of the tender.

1.14. The Technical bid shall be opened first on due date and time as mentioned at Table-I above. The time and date of opening of Financial Bid of Bidders qualifying the Technical bid shall be communicated to them at a later date.

1.15. Performance Evaluation: Performance Evaluation of the Bidders for eligibility shall be done by HITES. If required, the works executed by the bidders who otherwise qualify may be inspected by HITES/Client.

1.16. Bidders are advised to inspect and examine the site(s) and its surroundings and satisfy themselves before submitting their tenders. The prevailing site conditions i.e the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at its own cost all materials, tools . Submission of a tender by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and other conditions, factors etc. having a bearing on the execution of the work.

1.17. The Competent Authority for & on behalf of the HITES does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.

1.18. Canvassing, whether directly or indirectly, in connection with tenders is strictly prohibited & the tenders submitted by the contractors who resort to canvassing will be liable to rejection.

1.19. The Competent Authority for & on behalf of the Client/ HITES reserves to himself the right of accepting the whole or any part of the tender and the bidder shall be bound to perform the same at the rate quoted by him for the same.

1.20. The Bidder shall not be permitted to tender for works in case his near relative is Gazetted officer in the office of CLIENT or in the Managerial Cadres of HITES and is directly

- 1.21. dealing with the Project. Any breach of this condition by the contractor would disqualify him from participation and consideration in the tender process.
- 1.22. No Engineer of Gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India/ is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
- 1.23. The tender for the works shall remain open for acceptance for a period of **180 (ONE HUNDRED AND EIGHTY)** days from the last date of submission of bid or any extension thereto. If any bidder withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the HITES, then the HITES shall, without prejudice to any other right or remedy, be at liberty to forfeit 100% of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the re-tendering process of the work.
- 1.24. The scope of work envisages a number of specialized Civil/ Electrical/ Mechanical/IT/ Electronic Engineering services as required, etc. to be executed as integral part of this Contract. For all other specialized works, for which the contractor intends to engage a specialized agency for execution of work, the contractor shall inform & take approval of the HITES/Engineer-In-Charge before assignment of such agency.
- 1.25. Registration/ License: The bidder should have their registration for GST, PF, ESIC, Building Cess Registration etc., with the appropriate Authorities. In case the bidder is not registered for PF, ESIC, Building Cess Registration(except GST) etc., with the appropriate Authorities at the time of submission of bid, they will submit an undertaking that they will get themselves registered with the concerned authorities in case they are awarded the work.
- 1.26. The Bidder will indemnify CLIENT/ HITES, as the case may be, against all penal action that may be levied/effected by any concerned authority for default in any labour regulation/PF/ESI and other statutory requirements related to the work of the contractor and will bear the legal charges. An undertaking in this regard is required to be submitted by applicant along with their bid.
- 1.27. GST or any other tax applicable in respect of inputs procured by the contractor for this contract shall be payable by the Contractor and Client/HITES will not entertain any claim whatsoever in respect of the same. However, component of GST at time of supply of service (as provided in CGST Act) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender incl. extension, if any, shall be paid or recovered.
- 1.28. This Notice Inviting e-Tender shall form a part of the contract document. The successful Bidder, on acceptance of his e-tender by the Competent Authority for & on behalf of the HITES/ Client, shall, within 30 days from the stipulated date of start of the work, sign the contract consisting of the Notice Inviting Bids, all the documents including General Conditions of the Contract along with Sections thereto, Specific Conditions of Contract, Specifications, BOQ , forming the e-tender as issued at the time of invitation of tender and acceptance .
- 1.29. CLIENT / HITES reserves the right to accept or reject any or all the tenders without assigning any reason, No Bidder shall have any cause of action or claim against the CLIENT / HITES for rejection of his/ all e-tender (s).

For and on behalf of **Ministry of Health & Family Welfare, Govt. of India**

**Chief Operating Officer
HLL Infra Tech Services Limited
B-14A, Sector -62, Noida, UP**

SECTION-II

INSTRUCTIONS TO BIDDERS (ITB)

2 INTRODUCTION:

2.1 Brief Particulars of the Work

The scope of work includes all required services, obtaining mandatory approvals from local bodies/ authorities required for commencing the work, execution of work & services and handing over the assets after making them habitable in all aspects for **“Supply, Installation & Commissioning of ICT Systems for Health Emergency Operation Center at Central Hub at Nirman Bhawan, New Delhi..”** The work is to be executed on turnkey basis. The details of scope of work are at Section IV of the Document.

2.2 Eligibility Criteria & Disqualification:

The eligibility Criteria is as at Section I (Notice inviting e-Tender). It may be noted that even if a Bidder meets the eligibility criteria, the CLIENT/HITES may, at their discretion and at any stage during the selection process or execution of the Project, order disqualification of the contractor if the Contractor has been blacklisted by any Central/State Government Department/ Autonomous Body/ PSU even after bids have been opened and/or work awarded.

2.3 BID Documents :

2.3.1 Contents of BID Documents

BID Document shall consist of the documents listed in this document along with any schedules, addendum or corrigendum etc. issued by HITES for the purpose.

2.3.2 Pre-Bid Meeting

The purpose of the meeting will be to clarify issues and to answer questions on any matter that may arise at this stage. HITES shall conduct on-line VC Based Pre-bid meeting thru' Cloud Based VC softwares . HITES response (including an explanation on the query but without identifying the source of the inquiry) will be uploaded on the website of HITES www.hllhites.com and <https://etenders.gov.in/eprocure/app>.

2.3.3 Clarifications

A prospective Bidder requiring any clarification with regards to the BID document may notify Chief Operating Officer (COO), HLL Infra Tech Services Limited, B-14-A, Sector-62, Noida -201307 in writing at the mailing address indicated in Notice Inviting Bid or e-mail at itnoida@hllhites.com. Chief Operating Officer (COO),HLL Infra Tech Services Limited, B-14-A, Sector-62, Noida -201307 will respond any request for clarification which is received within seven days from the date of availability of Tender document on-line. HITES's responses (including an explanation on the query but without identifying the source of the inquiry) upload on the website of HITES www.hllhites.com and <https://etenders.gov.in/eprocure/app>. Only written communication/clarification shall be considered as valid.

2.3.4 Amendment to BID Document

- i. At any time prior to the deadline for the submission of Bids, HITES may for any reason, whether at its own initiative or in response to a clarification or query raised by prospective Bidders, modify the BID document by an amendment(s)/ addendum(s)/corrigendum(s).
- ii. The said amendments in the form of the addendum/corrigendum will be made available on website of HITES www.hllhites.com and <https://etenders.gov.in/eprocure/app> prior to the last date of the original or extended deadline for the submission of the bids. The uploading of the said amendment(s)/ addendum(s)/corrigendum(s) shall be binding of the bidders. The Bidders are advised to regularly visit above mentioned website to ensure that they are aware of the amendment(s)/ addendum(s)/corrigendum(s). The amendment(s)/addendum (s)/ corrigendum(s) issued will form part of the BID documents.
- iii. In order to provide prospective Bidders reasonable time for preparing their Bids after taking into accounts such amendments, addendum(s)/corrigendum(s) the, HITES may, at its discretion, extend the deadline for the submission of Bids.

2.3.5 Preparation of Bid:

a) Bidder's responsibility:

- i. The Bidder is solely responsible for the details of his Bid and the preparation of Bids.
- ii. The Bidder is expected to examine carefully all the contents of BID document as mentioned in Notice Inviting e-Tender including instructions, conditions, forms, terms, etc. and take them fully into account before submitting his offer. Bids, which do not satisfy all the requirements, as detailed in these documents, are liable to be rejected as being non - responsive.
- iii. The Bidder shall be deemed to have inspected the Site and its surroundings and taken into account all relevant factors pertaining to the Site, while preparing and submitting the Bid.

b) Documents Comprising the Bid (ON LINE Mode Only)

Bidders shall submit their Bids online. These are to be submitted in two packages

Technical Package' (Online)

Financial Package' (Online) – **Bidder's to quote for all Line Items in Price Bid. Incomplete or Part Price Bids are NOT ACCEPTABLE & would lead to REJECTION of the Bid.**

The contents of the Technical and Financial packages are as mentioned inn the document earlier.

c) Alternative Proposal by bidders:

Bidders shall submit offers that comply with the requirement of the Tender. Alternative Proposal(s) will not be considered.

d) Method of Application:

- i. If the bidder is an individual, the application shall be signed by him above his/her full type written name and current address.
- ii. If the bidder is a proprietary firm; the application shall be signed by the proprietor above his/her full type written name and the full name of his firm with its current address.

- iii. If the bidder is a firm in partnership, the application shall be signed by all the partners of the firm above their full type written names and current addresses or alternatively by a partner holding power of attorney for the firm. In the later case a certified copy of the Power of Attorney should accompany the application. In both the cases a certified copy of the partnership deed and current address of all the partners of the firm should accompany the application.
- iv. If the bidder is a Limited company or a corporation, the bid shall be signed by a duly authorized person holding Power of Attorney for signing the application and certified copy of such power of attorney shall also be furnished. The bidder should also furnish a copy of memorandum of articles of association duly attested by a Public Notary.

e) Bid documentation

- i. All information called for in the enclosed forms should be furnished against the relevant columns in the forms. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against the relevant column. Even, if no information is to be provided in a column, a 'Nil' or 'no such case' entry should be made in that column. If any particulars/query is not applicable in case of the bidder, it should be stated as 'Not applicable'. The bidders are cautioned that not giving complete information called for in the application forms or not giving it in clear terms or making any change in the prescribed forms (or) deliberately suppressing the information may result in the bid being summarily disqualified. The bidder should sign each page of application, forms and documents before scanning & uploading.
- ii. Over writing should be avoided. Corrections if any should be made by neatly crossing out, initialling, dating and rewriting. Pages of the eligibility criteria document are numbered. Additional Sheets if any added by the Bidder should also be numbered by him. They should be submitted as a package with signed letter of transmittal.
- iii. The bidder may furnish any additional information, which he thinks is necessary to establish his capabilities to successfully complete envisaged work. He is, however advised not to furnish superfluous information. No information shall be entertained after submission of eligibility criteria document unless it is called for by the HITES.

2.3.6 Contents of Packages(Bid Submission):

The tender/ bid shall be submitted in **TWO (02) packages** (on-Line) i.e. Technical Package & Financial Package.

2.3.6.1 Technical Package:

The technical package, clearly labeled as "**TECHNICAL PACKAGE**", is to be submitted with complete details as mentioned in TED..

A. EMD & Technical Package :-.

This part shall consist of following:-

- i. The bidders are required to submit EMD Fee thru' On-line Mode into the Bank Account of HITES as mentioned above , thru' Banking System (using NEFT/RTGS etc.) There is no On-line system of paying the EMD in the CPPP Portal or HTES Website. The Bid can only be submitted after uploading the prescribed scanned documents. All forms and formats are given in this document.

I. Bid Security/EMD, (scanned copy online)

- a. The Bidder shall attach scan copy of On-Line transaction made for EMD with his Bid for an amount, as mentioned in Notice Inviting e-Tender.
- b. The EMD required to submit thru' On-line Mode into the bank account of HITES as mentioned above.
- c. Bids not accompanied by EMD, shall be treated as non-responsive, and will be summarily rejected by HITES.
- d. MSME Bidders are exempted from EMD. MSME bidders shall have to furnish a proof of MSME registration and other valid documents, as applicable.

Scanned copy of documents duly signed & stamped to be uploaded online.

- a. Form A: Form of bid along with Appendix to be typed on the letterhead and duly signed and stamped by authorized person.
- b. Form E: Format for Power of Attorney for signing of proposal. In case bid is signed by Managing Director/Partner/Proprietor himself, Power of Attorney is not required. It is mandatory to mention on letterhead that the bid is duly signed and stamped by Managing Director / Partner / Proprietor.
- c. Indemnity/ Undertaking/ Affidavits as per requirements (Form-F, H)
 - c. Form G: Original Affidavit as per format at Form 'G'
 - d. Form 'T-1' (Financial Information) – Annual Audited Financial Statements for the last five years (Audited balance sheets and Statement of Profit & Loss Account along with notes to accounts duly signed by Chartered Accountant shall be attached with this form for last THREE financial years i.e. 2016-17, 2017-18, 2018-19
 - e. Form "T-2 (List of all works successfully completed during the last seven years)
 - f. Form "T-3" (Performance Report of Similar Works)
 - g. Form "T-6" (GST Registration Details)
 - h. Copies of GST Registration / PF Registration/ PAN Number
 - i. Integrity Pact and Agreement

"The Integrity pact annexed shall be part and parcel of this document, and has to be signed by bidder(s) at the pre-tendering stage itself, as a pre-bid obligation and should be submitted along with the Technical Bids. All the bidders bound are bound to comply with the Integrity Pact clauses. **Bids submitted without signing Integrity Pact will be as initio rejected without assigning reason.**"

The Integrity Pact & Agreement duly signed by the person authorized to sign the bid on behalf of the bidder as per Performa given .All pages of the entire Corrigendum/ addendum (if any)/ pre bid clarifications (if any) signed by the authorized person of the bidder(s).

2.3.6.2 Financial Package

IMPOTANT NOTE :- Bidder's to quote for all Line Items in Price Bid. Incomplete or Part Price Bids are NOT ACCEPTABLE & would lead to REJECTION of the Bid.

The financial package (**FINANCIAL BID**) should also be submitted **ONLINE** only. Physical submission of financial bid is prohibited & such bids shall be rejected. The quoted rates should include all costs associated with the Project including any out of pocket expenses and any other applicable statutory taxes, levies till the last stipulated date for the receipt of tender including extensions if any. In case Government levies/modifies any tax subsequently, the same will be adjusted plus/minus as the case may be.

The Bidder must ensure to fill up rate against each item of financial bid. If any cell is left blank then value of that cell shall be treated as "0" (ZERO). In event no rate has been quoted for any item (s), it will be presumed that the contractor has included the cost of this/these items(s) in other items and rate for such item(s) will be considered as zero and work will be required to be executed accordingly.

2.3.7 Currency of Bid

Bid prices shall be quoted in Indian Rupees only.

2.3.8 Extension of Bid Validity

Prior to the expiry of the original Bid Validity Period, HITES may, at its discretion, request Bidders to extend the Bid Validity Period for a specified additional period.

2.3.9 Format and Signing of Bid

a. Bid documents (Technical package and financial package) shall be digitally signed by a person duly authorized to sign the Bid documents. The Bidder shall also submit a Power of Attorney in original authorizing the person signing the documents.

2.3.10 Submission of Bids

a. The last date for submission of completed Bids is given in Notice Inviting e-Tender. HITES may, at their discretion, extend this date, in which case all rights and obligations of the CLIENT/ HITES and the Bidder shall thereafter be subjected to the new deadline as extended.

2.3.11 Modifications/ Substitution/ Withdrawal of Bids

2.3.12 Since the bids are 100% on -line submission under digital Signatures, hence bidder's are advised to modify / withdraw the bids only up to Bid Closing Time as stipulated.

No modification or substitution of the submitted Bid shall be allowed after last date of submission of bids.

2.3.13 Power of Attorney:

Bidders shall submit, along with Technical Package, a Power of Attorney, on a stamp paper of appropriate value, in favor of the person signing the Bid documents authorizing him to sign the Bid documents, make corrections/ modifications thereto and interacting with CLIENT / HITES and act as the contact person. The format for the power of attorney shall be as per, form E of Bid Document Volume-1. In case bids are signed by Managing Director/Partner/Proprietor himself, Power of Attorney is not required.

In the event of tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a Power of Attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act 1932.

In the event of tender being submitted by a Limited company or a corporation, it must be signed by a duly authorized person holding power of attorney for signing the application and certified copy of such power of attorney shall also be furnished. The bidder should also furnish a copy of memorandum of articles of association duly attested by a Public Notary.

2.4 Bid Opening and Evaluation:

2.4.1 Bid opening

- i. The Bids will be opened On-Line on date & time as mentioned in Notice Inviting e-Tender.
- ii. If such nominated date for opening of Bid is subsequently declared as a public holiday, the next official working day shall be deemed as the date of opening of the Bid.
- iii. Bids which have not complied with one or more of the foregoing instructions may not be considered.
- iv. On opening of the e-Bid, it will be checked if they contain Technical & Financial Bids and EMD as detailed above.
- v. Technical Package of the Bids will be opened first. These will be checked for completeness and confirmation of submission of the requisite EMD. Thereafter Technical Package will be opened ON-LINE. If the documents do not meet the requirements of the e-Tender, a note will be recorded.
- vi. Technical evaluation shall be as per evaluation Process.
- vii. Financial Package of all bidders whose bids are found responsive after Technical evaluation will be opened at a later date , which shall be notified thru' website information.

2.4.2 Determination of Responsiveness

- i. Prior to the detailed evaluation of Bids, Client/HITES will determine whether each Bid is responsive to the requirements of the tender.
- ii. For the purpose of this clause, a responsive Bid is one which:
 - a. Have digital signature.
 - b. Is accompanied by the Power(s) of Attorney, if required
 - c. Contains all the information as requested in the Bid Document
 - d. Contains information in formats same as those specified in this Bid Document
 - e. Mentions the validity period of the bid
 - f. Is accompanied by the EMD,
 - g. Conforms to all the terms, conditions and specifications of Tender without material deviation or reservation. "Deviation" may include exceptions and exclusions. A material deviation or reservation is one which affects, in any substantial way, the scope, quality, performance or administration of the works to be undertaken by the Bidder under the Contract, or which limits in any substantial way, CLIENT /HITES's rights or the Bidder's obligations under the Contract as provided for in Bid and/or is of an essential condition, the rectification of which would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids at reasonable price.

- iii. If a Bid is not substantially responsive to the requirements of Bid, it will be rejected by Client/HITES. The decision of the Client/HITES in this regard shall be final and binding. The financial Packages of non-responsive Bidders shall not be opened.

2.4.3 Evaluation of Bids

- i. Client/HITES would examine and evaluate responsive Bids, as per the criteria set out in this document .
- ii. Client/HITES reserves the right to reject any Bid if:
 - a. At any time, a material misrepresentation is made or uncovered;
or
 - b. The Bidder does not respond within the stipulated time to requests for supplemental information/ clarifications required and sought by HITES for the evaluation of the Bid;
or
 - c. It is found that the information provided is not true or incorrect or facts/ material for the evaluation have been suppressed.
- iii. The Client/HITES reserves the right, without being liable for any damages or obligation to inform the bidder to :
 - a. Amend the scope and value of contract.
 - b. Reject any or all the applications without assigning any reason.

2.4.4 Clarification of Bids

Evaluation of technical Bids submitted by Bidders shall be undertaken based on details submitted therein only. Bidder shall not be allowed to submit on their own, additional information or material subsequent to the date of submission and such material / information, if submitted, will be disregarded. It is therefore essential that all details are submitted by the Bidder comprehensively, accurately and specifically in their technical Bid, avoiding vague answers. However, Evaluation Committee, if it so desires, reserves the right to seek any clarification from the Bidders on the information provided in the bid.

2.4.5 Process to be Confidential

- i. Except the public opening of the Bids, information relating to the examination, clarification, evaluation and comparison of Bids and recommendations concerning the award of Contract shall not be disclosed to Bidders or other persons not officially concerned with such process.
- ii. Any effort by a Bidder to influence CLIENT /HITES Evaluation Committee in the process of examination, clarification, evaluation and comparison of Bids and in decisions concerning award of Contract, shall result in the rejection of their Bid.

2.5 Award of Contract

i. Award Criteria

HITES will declare the Bidder ranked **L1** as Successful Bidder considering the total bid as mentioned in the NIT. HITES reserves the right to issue Letter of Award (LOA) on these basis as per the procedure mentioned in the Bid Document and terms and conditions set out in this Bid document.

ii. Letter of Award

- a. Prior to the expiry of the period of Bid Validity, Client/HITES will issue the Letter of Award to the Successful Bidder, notifying him of being declared successful and the intent to sign the Contract Agreement with him. This letter (hereinafter and in the Conditions of Contract called 'the Letter of Award') shall mention the scope of supply & associated work in consideration of the completion and guarantee of the work to be performed by them, as prescribed therein (hereinafter and in the conditions of Contract called 'the Contract Price'). No correspondence will be entertained by Client/ HITES from the unsuccessful Bidders.
- b. The Letter of Award shall constitute a part of the Contract.

iii. Signing of Agreement

- a. HITES shall prepare the Contract Agreement in the Proforma , duly incorporating all the terms of agreement between the two parties within thirty days from the date of issue of the Letter of Award the Successful Bidder will be required to execute the Contract Agreement.
- b. Prior to the signing of the Contract Agreement, the Successful Bidder shall submit Performance Guarantee.
- c. The Contract Agreement shall be duly signed by the Client/HITES and the Contractor through their authorized signatories.
- d. In case the Successful Bidder does not sign the Contract Agreement, Client/HITES reserves the right to cancel the selection process, forfeit any Bid Security and/or Performance Guarantee, as the case may be, submitted by the Successful Bidder and either re-Bid or proceed in any manner that it may deem fit.

iv. Refund of Earnest Money

- a. The Earnest Money will be refunded to the unsuccessful bidders on finalization of the award or on rejection of a bid or at the expiry of the validity period of the tender (unless extended by the bidder), whichever is earlier. Earnest Money/ Bid Security Deposit submitted by contractors except the first and second lowest bidders may be returned within a week from the date of opening of the price bids.
- b. Earnest Money will be refunded without waiting for any application or request from unsuccessful bidders.

SECTION III

EVALUATION PROCESS

3. Evaluation Process:

The Bids will be evaluated in the following stages:

- (i) Stage 1-Preliminary & Technical Evaluation
- (ii) Stage2-Financial Evaluation

E-tender will be evaluated at each and every stage of evaluation process. The Bids will be evaluated in the following stages:

3.1. Stage 1:Preliminary & Technical Evaluation

3.1.1. Preliminary Evaluation

In Preliminary Stage, all Bids submitted online on <https://etenders.gov.in/eprocure/app> will be checked. **On-Line Submission of EMD** will be checked first. EMD will be checked for veracity of Amount as required by e-tender terms and conditions. If e-Tender or EMD submitted by any bidder is not as per e-tender terms and conditions, his bid will be rejected and will not be considered for further stages of evaluation.

3.1.2. Technical Evaluation

a. Technical Bid

On-Line opening of Technical Bids would be done on the notified date for only those bidders who have qualified in the Preliminary Stage.

b. Technical Bid – Eligibility Criteria &Evaluation

Bidders qualifying in Stage-1 will be considered for further evaluation and the Technical Bids shall be evaluated as per eligibility criteria and bidder's eligibility for the work shall be determined. If bidder is not meeting with the minimum eligibility criteria, his bid will be rejected and will not be considered for further stages of evaluation.

Client/HITES will carry out technical assessment of submitted technical proposals to determine that the Tenderer has a full comprehension of the work of the contract. In case the Tenderer's technical submittal is found non-complaint with the requirements of the project the same is liable to be rejected. This process is to assure that only technically acceptable proposals are considered for the work.

Client/HITES, however, reserve the rights to restrict the list of such qualified bidders to any number deemed suitable by it.

- i. The financial Bid of only those Bidders who are technically qualified shall be opened.
- ii. The financial Bids of Bidders whose technical Bids are found unacceptable shall be not be opened
- iii. HITES shall notify all the technically qualified Bidders of their technical qualification indicating the date, time and venue for opening of financial Bids.

3.2. Stage 2: Financial Bid Evaluation

The evaluation of financial proposals by Client/HITES will take into account, in addition to the tender amounts, the following factors:

- a. Arithmetical errors corrected by Client/HITES
- b. Such other factors of administrative nature as Client/HITES may consider having a potentially significant impact on contract execution, price and payments, including the effect of items or rates that are unbalanced or unrealistically priced.

The financial proposal shall be processed as under:

- i. Evaluation Committee shall open the financial Bid of the technically qualified Bidders thru; ON LINE Process at the scheduled date and time.
- ii. On opening the financial Bids, the Evaluation Committee shall record the financial Bid to all the Bidders .
- iii. If a bidder quotes Nil rates against each item in the tender shall be treated as invalid and will not be considered as lowest tenderer.
- iv. All the financial Bids shall then be ranked according to the financial Bid in increasing order with the Bidder quoting the least amount ranked L1, Bidder quoting next higher figure as L2 and so on.
- v. L1 will be declared as Successful Bidder and his offer will be processed further.

3.3. Letter of Award:

The Successful Bidder would be notified in writing by Client/HITES by issuing the Letter of Award (LOA) in favor of the Lowest (L1) Bidder. Client/HITES will declare the Bidder ranked L1 as Successful Bidder considering the total bid as mentioned in the NIT. Client/HITES reserves the right to proceed and award the work and issue Letter of Award (LOA) on the basis as per the procedure mentioned in the Bid Document and terms and conditions set out in this Bid document.

FORM OF BID

From

(BIDDER)

To

Chief Operating Officer (COO)

HLL Infra Tech Services Limited (HITES)

B-14-A, Sector-62, Noida -201307

For and on behalf of Ministry of Health & Family Welfare, Government of India

Name of Work: Supply, Installation & Commissioning of ICT Systems for Health Emergency Operation Centers at Nirman Bhawan, New Delhi on Turnkey Basis.

Sir,

Having visited the Site, ascertained the Site conditions and examined the General Conditions of Contract as well as Specific Conditions of Contract, Notice Inviting Bids, Instructions to Bidders etc. and addenda for the above project, we the undersigned, are pleased to submit our technical and financial Bid along with relevant documents.

1. We acknowledge that the Appendix forms an integral part of the Bid.
2. While preparing this Bid, we have gathered our own information and conducted our own inquiry/survey to our satisfaction and we did not rely solely on the information provided in the Bid Documents. We shall not hold CLIENT /HITES responsible on any account in this regard.
3. We hereby certify that all the statements made and information supplied in the enclosed forms and accompanying statements are true and correct.
4. We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
5. We submit the requisite certified solvency certificate and authorize Chief Operating Officer (COO), HLL Infra Tech Services Limited, Noida to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/We also authorize the Engineer – In –Charge HLL Infra Tech Services Limited, Noida to approach individuals, employers, firms and corporation to verify our competence, work experience, and general reputation.
6. We undertake, if our Bid is accepted, to commence the works within the stipulated time and to complete the whole of the works comprised in the Contract within the stipulated time calculated from the start date
7. If our Bid is accepted, we will furnish a bank guarantee as Performance Guarantee for the due performance of the Contract. The amount and form of such guarantee or bond will be in accordance with as given in the General Conditions of the Contract.
8. We are aware that in the event of delay in execution of the Project, beyond the agreed timelines due to reasons attributable to us, liquidated damages shall be recovered from us.
9. Our Bid is valid for your acceptance for a period of ONE HUNDRED AND EIGHTY DAYS from the last date of submission of the Bid as per the Bid Documents or any extension thereto.

10. We agree to the General Conditions of Contract and Specific Conditions of Contract and the terms and conditions mentioned in the Bid Documents.
11. We declare that the submission of this Bid confirms that no agent, middleman or any intermediary has been, or will be engaged to provide any services, or any other item of work related to the award of this Contract. We further confirm and declare that no agency commission or any payment, which may be construed as an agency, commission has been, or will be, paid and that the Bid price does not include any such amount. We acknowledge the right of CLIENT /HITES, if it finds anything to the contrary, to declare our Bid to be non-compliant and if the Contract has been awarded to declare the Contract null and void.
12. We understand that you are not bound to accept the lowest or any Bid you may receive.
13. If our Bid is accepted, we understand that we are to be held solely responsible for the due performance of the Contract.
14. We submit the certificates in support of our suitability, technical knowledge and capability for having successfully completed the works.
15. We enclose;
 - a. All documents as per the checklist
 - b. EMD paid online for Rs _____ (Rupees _____ only) and copy of transaction from the bank (name of the bank) valid until _____.

- Note:
- i. The Appendix forms part of the Bid
 - ii. Bidders are required to fill up all the blank spaces in this form of Bid and Appendix.

Dated this.....day of.....**2020**

Signature

Name..... in the capacity of

Duly authorized to sign Bids for and on behalf of.....

Address

Witness – Signature

Name

Address

Certificate

It is certified that the information given by us towards meeting the requirement of the eligibility to bid are correct. It is also certified that I/We shall be liable to be debarred, disqualified/ cancellation of enlistment in case any information furnished by me/us is found to be incorrect.

Date & Seal of bidder Signature(s) Of bidder(s)

APPENDIX TO THE FORM OF BID

i.	(a) Amount of Performance Guarantee to be deposited by financially successful bidder	5 percent of the total contract price
ii	Date for commencement of work	As per NOA
iii	Time for completion	03 Months from the issue of letter of award or obtaining Clear Site handover from the Concerned Nodal Officer.
iv.	Defects Liability Period from the date of issue of "Taking Over Certificate"	Up to 12 months after the overall completion of project.
v.	(a) Period of validity of Performance Guarantee	As per TED
	(b) Period of validity of Security Deposit	As per TED

Signature

(Authorized Signatory)

Date

Name

Place

Address

FINANCIAL INFORMATION

1. **Financial Analysis**-Details to be furnished duly supported by figures in balance sheet, statement of Profit & Loss account along with notes to accounts for the last five years duly certified by the Chartered Accountant mentioning the firm registration number issued by ICAI along with the full address.

- i) **Gross Annual Turnover on construction works** for last three consecutive financial years ending 31.03.2019.

Financial Year	Annual Turn Over in Indian Rupees (or equivalent to Indian Rupees) as per Audited Balance Sheet
2016-17	Rs.
2017-18	Rs.
2018-19	Rs.
Average Annual Turnover over the past three years	Rs.

- ii) **Balance Sheet & Statement of Profit & Loss** for last THREE consecutive financial years ending 31.03.2019

Financial Information in Rs. Equivalent	2016-17	2017-18	2018-19
1. Total Assets			
2. Current Assets			
3. Total Liabilities			
4. Current Liabilities			
5. Profit before Tax			
6. Profit after Tax			

Note: In case of bidders with Foreign Origin (Outside India), the financial years shall be as applicable for the respective countries i.e.2016, 2017and 2018.

- 1.Net Worth shall mean the sum of subscribed and paid up equity and reserves from which shall be deducted the sum of revaluation reserves, miscellaneous expenditure not written off and reserves not available for distribution to equity shareholders.

Signature of Chartered

Accountant with Seal

FRN Number

Signature of Bidder.

**DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED IN LAST THREE YEARS
ENDING PREVIOUS DAY OF LAST DATE OF SUBMISSION OF BID**

Name of the Bidder.....

S.No.	Details	
1.	Name of work / project and location	
2.	Owner/Client or sponsoring organization	
3.	Type of work (with respect to the eligibility criteria of this bid)	
4.	Work Components[Please tick (√) in relevant box]	
a.	ICT Equipment's viz. Displays, Computers, Servers, CCTV, VC Equipment's , Streaming Servers etc.	
5.	Cost of work on completion in Rs. Crores	
6.	Date of commencement as per contract	
7.	Stipulated date of completion	
8.	Actual date of completion	
9.	Date and No. of completion certificate	
10.	Name and Address (Postal & E-mail) / telephone number of officer to whom reference may be made	

Certified that the above list of works is complete and no work has been left out and that the information given is correct to my / our knowledge and belief.

SIGNATURE OF BIDDER(S)

WITH STAMP

Note: - Copy of Work Orders & Completion Certificates of the above works should also be submitted.

PERFORMANCE REPORT OF WORKS REFERRED TO IN FORM-T-2

1.	Name of work / Project & Location	
2.	Agreement No.	
3.	Whether the work is carried out on Turnkey basis	Yes/ No
4.	Name of Contractor	
5.	Estimated Cost	
6.	Tendered Cost	
7.	Cost of Completed Work	
8.	Date of Start	
9.	Date of completion	
	i) Stipulated Date of Completion (as mentioned in work order)	
	ii) Actual Date of Completion	
11.	Work Components[Please tick (√) in relevant box]	
	a) ICT Equipment's viz. Displays, Computers, Servers, CCTV, VC Equipment's , Streaming Servers etc.	
12.	Performance Report	
	1) Quality of Work	Outstanding /Very Good/Good/Poor
	2) Financial Soundness	Outstanding /Very Good/Good/Poor
	3) Technical Proficiency	Outstanding /Very Good/Good/Poor
	4) Resourcefulness	Outstanding /Very Good/Good/Poor

Dated: _____

Authorised Signatory

STRUCTURE & ORGANIZATION

1.	Name & Address of the bidder	
2.	Telephone No. /Email id /Telex No./Fax No.	
3.	Legal status of the bidder (Attach copies of original document defining the legal status).	
	a) An Individual	
	b) A proprietary firm	
	c) A firm in partnership	
	d) A limited company or Corporation	
4.	Particulars of registration with various Government bodies (attach attested photo-copy).	
	ORGANIZATION/PLACE OF REGISTRATION	REGISTRATION No.
	1.	
	2.	
	3.	
5.	Names and Titles of Directors & Officers with designation to be concerned with this work.	
6.	Designation of individuals authorized to act for the organization.	
7.	Has the bidder or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion? If so, give name of the project and reasons for abandonment.	
8.	In which field of EPC Project, the bidder has specialization and interest?	
9.	Any other information considered necessary but not included above.	

Signature of bidder(s) with stamp

GST Registration Details

Sr. NO.	Description	Details
1.	Entity Name	
2.	Address (As per registration with GST)	
3.	City	
4.	Postal code	
5.	Region/State (complete state name)	
6.	Permanent account number	
7.	GSTN/ARN/UID/Provisional with ID No. (Copy of acknowledgement required)	
8.	Type of business (As per registration with GST)	
9.	Service accounting code/HSN Code	
10.	Contract Person	
11.	Phone Number and Mobile Number	
12.	Email –ID	
13.	Compliance Rating (If updated by GSTN)	

Signature of bidder(s) with stamp

FORM OF PERFORMANCE GUARANTEE BANK GUARANTEE

(On a stamp paper of appropriate value from any Nationalised Bank or Scheduled Bank)

To,

COO (HITES)

HLL Infra Tech Services Limited (HITES)

B-14-A, Sector-62, Noida -201307

For and on behalf of Ministry of Health & Family Welfare, Government of India

Dear Sir,

In consideration of the CLIENT (Ministry of Health & Family Welfare, Government of India) for Design, Engineering, Procurement and Construction (EPC) for setting up of supply, Installation & Commissioning of ICT Systems for Health Emergency Operation Centers at Nirman Bhawan, New Delhi, which expression shall include his successor and assignees represented by his Project Consultant, M/s HLL Infra Tech Services Limited, B-14-A, Sector-62, Noida -201307, (herein after called HITES) having awarded to-----
-----having its Registered Office at -----
(hereinafter referred to as "the said Contractor (s)", which expression shall include his successor and assignees) for the work of Supply, Installation & Commissioning of ICT Systems for Health Emergency Operation Centers at Nirman Bhawan, New Delhi Contract No. -----in terms interlayer, of the and the General Conditions of Contract and upon the condition of the Contractor's furnishing Security for the performance of the Contractor's obligations and discharge of the Contractor's liability under and in connection with the said Contract up to a sum of Rs.-----Rupees -----
-----) amounting to 5% percent of the total Contract value.

1. We, _____ (hereinafter called 'The Bank' which expression shall include its successors and assignees) hereby jointly and severally undertake to guarantee the payment to the HITES in rupees forthwith on demand in writing and without protest or demur or any and all moneys payable by the Contractor to the HITES in respect of or in connection with the said Contract inclusive of all the HITES'S losses and damages and costs, (inclusive between attorney and client) charges and expenses and other moneys payable in respect of the above as specified in any notice of demand made by the HITES to the Bank with reference to this guarantee up to an aggregate limit of Rs----- (Rupees -----
-----).

2. We _____ Bank Ltd. further agree that the HITES shall be sole judge of and as to whether the said Contractor has committed any breach or breaches of any of the terms and conditions of the said Contract and the extent of loss, damage, cost, charges and expenses caused to or suffered by or that may be caused to or suffered by the HITES on account thereof and the decision of the HITES that the said Contractor has committed such breach or breaches and as to the amount or amounts of loss, damage, costs, charges and expenses caused to or suffered by the HITES from time to time shall be final and binding on us.

3. The HITES shall be at liberty without reference to the Bank and without affecting the full liability of the Bank hereunder to take any other Security in respect of the Contractor's obligations and liabilities hereunder or to vary the Contract or the work to be done there under vis-a-vis the Contractor or to grant time or indulgence to the Contractor or to reduce or to increase or otherwise vary the prices of the total Contract value or to release or to forbear from enforcement of all or any of the Security and/or any other Security(ies) now or hereafter held by The HITES and no such dealing(s) reduction(s) increase(s) or other indulgence(s) or arrangements with the Contractor or release or forbearance whatsoever shall absolve the bank of the full liability to the HITES hereunder or prejudice the rights of the HITES against the bank.

4. This guarantee shall not be determined or affected by the liquidation or winding up, dissolution, or change of constitution or insolvency of the Contractor but shall in all respects and for all purposes be binding and operative until payment of all monies payable to the HITES in terms thereof.

5. The bank hereby waives all rights at any time inconsistent with the terms of this guarantee and the obligations of the Bank in terms hereof shall not be anywise affected or suspended by reason of any dispute or disputes having been raised by the Contractor stopping or preventing or purporting to stop or prevent any payment by the Bank to the HITES in terms hereof.

6. The amount stated in any notice of demand addressed by the HITES to the Bank as liable to be paid to the HITES by the Contractor or as suffered or incurred by the HITES on account of any losses or damages or costs, charges and/or expenses shall be conclusive evidence of the amount so liable to be paid to the HITES or suffered or incurred by the HITES as the case may be and shall be payable by the Bank to The HITES in terms hereof.

7. This guarantee shall be a continuing guarantee and shall remain valid and irrevocable for all claims of the HITES and liabilities of the Contractor arising up to and until midnight of

8. This guarantee is valid till ----- (date to be mentioned) (Sixty days beyond the stipulated date of completion or the extended period, thereof)

9. This guarantee shall be in addition to any other guarantee or Security whatsoever that the HITES may now or at any time anywise may have in relation to the Contractor's obligations/or liabilities under and/or in connection with the said Contract, and the HITES shall have full authority to have recourse to or enforce this Security in preference to any other guarantee or Security which the HITES may have or obtain and no forbearance on the part of the HITES in enforcing or requiring enforcement of any other Security shall have the effect of releasing the Bank from its full liability hereunder.

10. It shall not be necessary for the HITES to proceed against the said Contractor before proceeding against the Bank and the Guarantee herein contained shall be enforceable against the Bank notwithstanding that any Security which The HITES may have obtained or obtain from the Contractor shall at the time when proceedings are taken against the said bank hereunder be outstanding or unrealized.

11. We, the said Bank undertake not to revoke this guarantee during its currency except with the consent of the HITES in writing and agree that any change in the constitution of the said Contractor or the said bank shall not discharge our liability hereunder.

12. We _____ the said Bank further that we shall pay forthwith the amount stated in the notice of demand notwithstanding any dispute/difference pending between the parties before the arbitrator and/or that any dispute is being referred to arbitration.

13. Notwithstanding anything contained herein above, our liability under this guarantee shall be restricted to Rs.- ----- (Rupees -----) and this guarantee shall remain in force till ----- and unless a claim is made on us within 6 months from that date, that is before----- all the claims under this guarantee shall be forfeited and we shall be relieved of and discharged from our liabilities there under.

Notwithstanding anything contained herein above:

(a) Our liability under this Bank Guarantee shall not exceed Rs. ----- (Rupees -----)

(b) This Bank Guarantee shall be valid up to -----

(c) We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before ----- at (bank address) otherwise, all your rights under this guarantee shall be forfeited and bank shall be relieved and discharged from all the liabilities there under irrespective of whether or not the original bank guarantee returned to us or not

Dated _____ day of _____ 2020

For and on behalf of Bank.

Issued under seal :

FORM OF AGREEMENT

This agreement is made at ----- on the ---- day of ----- 2020 between CLIENT/HITES” which expression shall, unless repugnant to the context or meaning thereof be deemed to mean and include its successors, legal representatives and assigns) of the **First Part.**

M/s ----- a Company incorporated under the Companies Act 1956 having Head Office at -----, (hereinafter called the “Contractor” which expression unless repugnant to the context shall mean and include its successors-in-interest assigns etc.) of the **Second Part.**

Whereas CLIENT/HITES is desirous that certain works should be executed for **“Supply, Installation & Commissioning of ICT Systems for Health Emergency Operation Centers at Nirman Bhawan, New Delhi on turnkey Basis.**

Here in after called the “The Project” and has accepted a Tender submitted by the contractor for the execution and completion of such works as well as guarantee of such works and the remedying of defects therein.

NOW THIS AGREEMENT WITHNESSTH as follows:

1.In this agreement words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2.The following documents shall be deemed to form and be read and constructed as part of this agreement Viz.

- i) (NIT , ITB & Technical Specifications & Manuals(ICT)
- ii) General Conditions of Contract (GCC)
- iii) Integrity Agreement
- iv) Specific Conditions of Contract (SCC)
- v) Price Bid.

3.In consideration of the payment to be made by HITES to the Contractor as hereinafter mentioned, the Contractor hereby covenants with HITES to execute and complete the Project – **Supply, Installation & Commissioning of ICT Systems for Health Emergency Operation Centers at Nirman Bhawan , New Delhi for Ministry of Health & Family Welfare, Government of India** by **03 (Three) Calendar months** from the date of commencement and remedy and defects therein in conformity in all respects with the provisions of the Contract.

4. Whereas HITES has accepted bid/ negotiated Bid for the above mentioned work for an amount of Rs. _____ (Rupees _____Only). The above bid/ negotiated bid amount is inclusive of all prevailing taxes including Goods and Services Tax, Building and other Construction Workers welfare cess and any other applicable statutory taxes, levies as per terms & conditions of Bid document.

HITES hereby covenants to pay the Contractor in consideration of the execution and completion of the project and remedying of defects therein for contract price of Services of Rs. _____ (Rupees _____Only),

Above being the sum stated in the letter of Award (LOA) subject to such additions there to or deductions there from as may be made under the provisions of the Contract at the times and in the manner prescribed by the Contract.

5. OBLIGATION OF THE CONTRACTOR

The Contractor shall ensure full compliance with tax laws of India with regard to this Contract and shall be solely responsible for the same.

IN WITNESS OF WHEREOF the parties hereto have caused their respective common seals to be hereunto affixed / (or have hereunto set their respective hands and seals) the day and year first above written.

For and on behalf of the Contractor	For on behalf of Ministry of Health & Family Welfare, Government of India
Signature of the authorized official	Signature of the authorized official
Name of the Contractor Stamp / Seal of the Contractor	Name of the official Stamp / Seal
SIGNED, SEALED AND DELIVERED By the said	By the Said
on behalf of the Contractor:	on behalf of the HITES
in the presence of: in the Presence of Witness_____	in the presence of: in the Presence of Witness_____
Name _____	Name _____
Address_____	Address_____

FORMAT FOR POWER OF ATTORNEY FOR
SIGNING OF PROPOSAL (Authorized Signatory)

Know all men by these presents, we (Name of the Tenderer and address of their registered office) do hereby constitute, appoint and authorize Mr / Ms.....(name and residential address of Power of Attorney holder) who is presently employed with us and holding the position of as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our Bid for the Project and submission of all documents and providing information / responses to _____, representing us in all matters before _____, and generally dealing with _____ in all matters in connection with our proposal for the said Project.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

UNDERTAKING (FOR SPECIALIZED AGENCY)

(On a Rs 100/- non judicial stamp paper duly notarized)

We do hereby undertake to engage a specialised agency after approval of HITES for undertaking the execution of specialized works i.e..... (Name of Work)

Signed by an Authorised Officer of the Bidder

AFFIDAVIT

(On a Rs 100/- non judicial stamp paper duly notarized)

1. I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.
2. The undersigned also hereby certifies that our firm M/s _____ have neither abandoned any contract awarded to us nor such works have been rescinded, during the last five years prior to the date of this application.
3. The undersigned also hereby confirmed M/s _____ have not been blacklisted/debarred/penalized by any government agency or public sector undertaking or judicial authority/arbitration body.
4. The undersigned hereby authorize (s) and request (s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by the Department to verify this statement or regarding my (our) competence and general reputation.
5. The undersigned understands and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of the Client.
6. The undersigned undertake that 'I/We have not altered/ modified the financial bid attached in the <https://etenders.gov.in/eprocure/app> portal. If it is found during the tender stage or later that the BOQ is modified by us, the client/ HITES shall have the right to reject our bid'.

Signed by an Authorised Officer of the Bidder

UNDERTAKING

(On a Rs 100/- non judicial stamp paper duly notarized)

We do hereby indemnify CLIENT/HITES, against all penal action that may be levied/ effected by any concerned authority for default in any labour regulation/PF/ESI and other statutory requirements of the relevant Acts/Laws related to the work of the contractor and will bear the legal charges, if any, and will pay the legal charges/dues directly to the concerned authority.

Signed by an Authorised Officer of the Firm

Annexure -1 - Checklist

CHECK LIST OF DOCUMENTS TO BE SUBMITTED WITH THE BID

TECHNICAL PACKAGE – Online Only

Sl. No.	Name of Document	Mode of submission
1.	Bid Security / EMD in favor of “HLL Infra Tech Services Limited “payable at Noida / Delhi	Online Only
TECHNICAL PACKAGE – Online		
3.	Form of bid and Appendix (Form A) for the bid	Online only
4.	Power of Attorney (Form E) in favor of the person signing the Bid	
5.	Undertaking for engaging specialized agencies (Form F)	
6.	Affidavit by Bidder (Form G) duly notarized on non-judicial of appropriate value-stamp paper	
7.	Affidavit/ Indemnity / Undertaking (Form H)	
8.	Form “T-1” (Financial Information)	
11	Form “T-2” (Details of Eligible Similar Works completed)	Online only
12	Form “T-3” (Performance Report of Works referred to in Form T-2)	
13	Form “T-4” (Structure and Organization)	
14	Form “T-5” (GST Registration Details)	
15	Copies of GST Registration or undertaking / EPF Registration/ PAN Number	
16	Integrity Pact & Agreement duly signed by the authorized signatory on behalf of the bidder.	
17	Any other document as specified in the bid document.	
Note:- All the uploaded documents should be in readable, printable & legible form.		

FINANCIAL PACKAGE: Online

S. No	Name of Document	Mode of submission
1.	Digitally signed bid / Price Bid (Financial Bids)	Online only

END OF VOLUME –1

SECTION IV

(Broad Guidelines of ICT Set Up)

A. User Requirements

Ministry of Health and Family Welfare proposes to establish a hi-tech communication Command & Control Centre at Nirman Bhawan, New Delhi to assist & monitor the States during public health emergencies including management of health consequences of disasters. Global best practices in managing public health emergencies is testimony to the fact that establishment of a command and control hub for coordination, information management and reliable communication facilitate effective response during public health emergencies.

B. Health Emergency Operations Center (HEOC)

is a command and control facility where designated emergency management functions are performed. A HEOC is responsible for strategic direction and operational decisions of coordination, communication, planning, acquiring and managing resources, decision making etc. The EOC network will support the entire continuum of disaster management activities related to preparedness, mitigation, response, recovery and rehabilitation. This would be achieved through reliable communication linkages between all stakeholders via data sharing, voice, and video - conferencing.

The essential features of Health Emergency Operations Centre would be:

- It will support incident management and information management (data, voice and video) during all Stages of public health emergency management including highly complex and multi-sectoral incidents.
- It can coordinate a whole of Government response and able to support multiple National/Regional/international responses simultaneously.
- It would be a hub for data gathering, analysis, information and intelligence dissemination, media Management etc. with 24 X 7 operability.
- The emergency communication network will be based on different communication technologies to Provide required level of redundancy to achieve high reliability.
- The communication system based on terrestrial, wireless network resources which may Include but not limited to:
 - ❖ Public telephone including mobile network.
 - ❖ Fixed/ portable very small aperture terminals VSAT network using satellite linkage.
 - ❖ Using dedicated and shared public network facilities including internet lines.
 - ❖ LAN Setup at HEOC
 - ❖ Point to Point leased line connectivity.

• The HEOC network ICT infrastructure will also:

*- Should be capable to establish communication with even to remote locations/disaster affected regions using satellite phone or with desktop/mobile VC using data card/mobile network if available.

- 1- Provide easy and user-friendly webcast solution for information dissemination to large number of audience.
- 2- Support mass mailing, mass messaging.
- 3- Support data acquisition, analysis, dissemination and archiving.
- 4- Provide multi — media management system for handling live video feeds from multiple sources.

• Central command hub at Nirman Bhawan will be able to communicate with 50 State/ Institutional level Hubs seamlessly.

- 1- Communicating with 50 hubs in remote locations in a disaster setting.
- 2- Handling 1000 unicast clients at a time.
- 3- •The HEOC will be supported by required hardware including servers, work stations and peripherals.
- 4- The HEOC network shall provide inter — operability and be scalable according to future requirement.

Future ready and would be able to integrate with Cloud Computing.

Scope of work includes system design, supply of sub — systems, equipment's, software's, installation, integration, testing and commissioning of the ICT infrastructure in Health Emergency Operation Centre@Nirman Bhawan. New Delhi

B. 1. Office equipment and supplies

2.1 The operational area will have a networkable heavy duty multifunction printer (colour) with Copier-scanner-fax capabilities. Similar equipment would also be available in the CMO's chamber. This will ensure adequate redundancy.

2.2 The HEOC studio will have a smart electronic white board which provides advanced features Such as multi-party interaction, connectivity to computers, interaction with projected content etc.

2. Physical safety and security

The HEOC premises should be externally secured through CCTV surveillance system & Access Control System.

The detailed specifications are at **Annexure IV**.

3. Technology infrastructure

A wide array of information Communication Technology will be used to fulfil the HEOC incident command Functions such as planning and information management, operations, logistics, finance and administration.

The technological infrastructure will include the following:

3.1 Computers

3.1.1 All modular work stations will have desktop computers

3.1.2 The CMO room, mini conference room will also have two desktop computers.

3.2 Integrated Display System

Minimum 120 inches diagonal length of the display surface consisting of one or more individual screens with minimum 1020 P full HD resolution and will be capable of display from multiple sources.

3.3 Full HD video conferencing systems

Dual Camera based video conferencing system in the main EOC studio cum conference room The camera should be motorized and controllable from hand held remote/Touch panel of the VC system.

3.4 Audio system with PSTN interface

There will be DSP based audio system with minimum 32 AEC inputs with a suitable multi-channel amplifier and wall mount speakers. It shall be connected with 15 Nos. Of table microphones, audio inputs from PC laptops and other external devices.

3.5 High Definition Projector with screen

The projector would be located in the additional/mini conference room or will be used as back up or will be used as portable arrangement for adhoc meeting and presentation at any place. It should support Full HD

3.6. Cloud Based Enterprise license to connect upto 100 calls/locations thr' VC — at Nirman Bhawan

Setup should be able to connect minimum 100 videoconference sites (End Points) together either in a single conference or in multiple conferences with Full HD resolutions. Participants from Desktop/laptop/Android/IOS device should also be able to Participate in the same conference. It should also be able to register, connect, invite participant, schedule conference using suitable management system. It should also be able to seamlessly connect sites/user either from intranet or outside network.

3.8 LED TV (Display Unit - 2)

The HEOC should have 02 nos. of 43 " smart LED TV system (Full HD resolution) will be installed in CMO's room and the recreational area.

3.9 Wireless presentation device

The presentation device shall operate over Wi-Fi/wireless connections to show presentations/computer screens/Audio-visuals from laptops or any other display device using DVI/HDMI interfaces.

3.13 Server

To support the information Communication Technology, there will be a server with 15 core CPU and 128 GB memory or higher. The server will host web applications, data storage, back up services.

3.14 UPS with battery bank

In addition to the back-up generator, there will be a 10 KVA online UPS with maintenance free battery bank to support the HEOC conference system.

4. Telecommunication and Networking Infrastructure

4.1 Telephone and intercom connectivity

Telephone services should include internal and external (with STD and ISD provisions) telephone communications. The provision of telephone and intercom connectivity will exist in all functional areas such as work stations, CMO's room, Studio, conference room, recreational area etc.

4.2 Internet connectivity at HEOC

4.2.1 HEOC with LAN of minimum 25 nodes will be connected to existing NIC network (in Nirman Bhawan) for seamless audio video conference, media streaming and high speed data transfer.

4.2.2 LAN Setup for minimum 20 nodes will be required at all the location for connecting devices to IP network.

4.2.3 Internet connectivity at HEOC will be through NIC network

4.2.4 IP address segment will be taken from NIC for HEOC

4.2.6 The whole HEOC premises shall be provided with high speed Wi-Fi connectivity(Access Point)

4.2.7 The network security will be enhanced through firewall, anti-virus, anti-malware software installation.

4.3 Emergency call center

The HEOC will also act as a Public Health Emergency call center to receive calls from the public, medical professionals, suspects/patients or care givers. For such purpose a Private Branch Exchange (PBEX) will be installed to support connectivity to support intercommunication between telephone end points inside HEOC. It will also have integrated VoIP support which enables integration of telephonic services *and* automatic call handling system. It will also have an automatic call distributor (ACD) to accept, queue up, deliver and report telephone calls. An integrated system of ACD and PBEX is desirable.

4.4 E-mail services

The HEOC staff members will be provided with email accounts through dedicated NIC e-mail. There will be provision for mass e-mailing facility.

SECTION V

Technical specifications for Tendered Items

IMPOTANT NOTE : (All Bidder's to note)

All Items tendered would carry an Minimum 03 (Three) Years Onsite Warranty.

Detailed specifications for equipment required for the Technological Infrastructure. Prospective bidder's are required to study & propose adequate matching models with their prices in the Price Bid Format in SECTION -VI

1> Integrated Display Unit with VC Cameras.

The VC Endpoint should be an with full HD 1080p camera and codec, integrated speakers and microphones and OEM integrated dual screen of 70" with both floor and wall mounted kit. The codec, screens, camera, touch panel, ceiling mics should be from same OEM. It should have a HDMI Input to connect a PC, Computer for H.239/BFCP based 4K presentation sharing, which could be both wired and wirelessly. The system should have 3 x HDMI Video Output ports and 4x HDMI Input ports. The system should be accompanied with a touch panel for ease of operations. The system should be The system should be IPV6, IPV6 , H.323, SIP , H.264, H.265 compliant day one and have both wired and wi-fi networks day one. The camera should have 80deg FoV and should have minimum dual 4K automatic voice tracking cameras. The system should be supplied with 4 ceiling Microphones. The VC Endpoints should have inbuilt 1+4 multisite license for conferencing.

2> Cloud Based Conferencing Software

In order to conduct their own meetings through the Internet bandwidth available at each location. Each location should be able to schedule their own meetings, invite participants into those meetings, control those meetings, share presentations, chat/message etc. without any dependency on the core IT administration team for these activities. The cloud platform should give flexibility to the users to join the meeting from PC, laptop, desktop, android, iOS devices and Mobile networks. Platform should also allow third party participants using standards-based H.323, SIP and H.264 compliant video conference endpoints to join the meeting. The platform should accommodate upto 100 participants in a single meeting. The VC solution proposed should integrate with the cloud based platform and should be from same OEM for better interoperability. The cloud platform should be ISO/IEC27001 compliant.

3> Call Control System (IP PBX)

The call control IP PBX system should have the ability to connect on IP and PSTN network through the voice gateway. Supply , Installation, Testing and Commissioning of 500 ports IP based EPABX in future, Present Connectivity with 10 IP extension ports, 02 ISDN PRI (30 channels), 01 PC based operator console (with PC / Headset). The IP Phone should have minimum 3.5" screen (300x140) pixels, 10/100/1000, 4 lines, XML, IPV4, IPV6 and supplied with power cord and power adaptor. 10 IP phones are needed

4>Router

Generic Requirements
Router should have 3 nos. of 10/100/1000 Base-T ports out of which 3 nos. should have SFP based ports option. Router should have 1x RJ-45 and 1xUSB console port.
Router should have at least 3 open slots for additional LAN/ WAN modules other than asked ports.
Should have capabilities to seamless upgrade/replacement (without interrupting running processes and services)all modular interfaces supported by router like Channelized E1/T1, V.35, G.703 and Gigabit Ethernet modules to accommodate field upgrades
The router should have minimum 4 GB DRAM scalable to 8 GB and 4 GB Compact Flash scalable to 8 GB from day one
Router should have a minimum throughput of 200 Mbps or more with all services enabled
Router should have DES, 3DES and AES Standards. Should support IPSec with IKEv2 and Suite-B Encryption.
Router should support static Routes, OSPFv2, OSPFv3, BGP4, MBGP, BFD, Policy based routing, IPv4 and IPv6 tunneling
Router should support IGMP v1/v2/v3 and PIM multicast routing
The Router should have MPLS and Zone Based Firewall feature from Day 1
Shall have 802.1p class of service and marking, classification, policing and shaping.
Router should support SSHv2, SNMPv2c, SNMPv3 and NTP
Routers should support AAA using RADIUS and TACACS+
Should support extensive support for IP SLA and best path selection for metrics like delay, latency, jitter, packet loss to assure business-critical IP applications.
Router should support monitoring of network traffic with application level insight with deep packet visibility into web traffic, RTP-Based VoIP traffic and cRTP
Router shall have traffic load balancing capability on dual WAN Links based on based on advanced criteria, such as reachability, delay, loss, jitter and bandwidth utilization.
Router shall have capability to add on demand IPSec VPN tunnels to multiple remote locations dynamically without changing the configuration.
Router shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.
Router shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.
Router/Router's Operating System should be tested and certified for EAL 3/NDPP or above under Common Criteria Certification
Router should be IPv6 Certified/IPv6 logo ready

5>Level 2 Switch

S. No.	General Specifications
1.1	General Features :
	Proposed switch should be enterprise grade switch with x86 based CPU architecture
	The switch should have minimum of 48 nos. 10/100/1000 Ethernet Ports in addition to 8 10Gig uplink ports
	Switch should be 1U and rack mountable in standard 19" rack.
	Switch should support internal hot-swappable Redundant Power supply from day 1.*
	Switch should have redudant hotswappable fans.
	Switch should have minimum 8 GB RAM and 16 GB Flash.
	Switch should have dedicated slot for modular stacking, in addition to asked uplink ports. Should support for minimum 480 Gbps of stacking thoughput with 8 switch in single stack.
1.2	Performance :
	Switch shall have minimum 256 Gbps of switching fabric and 190 Mpps of forwarding rate.
	Switch shall have minimum 32K MAC Addresses and 1000 active VLAN.
	Should support minimum 32K IPv4 routes or more and 16K IPv6 routes or more
	Switch shall have 8K or more multicast routes.
	Switch should support atleast 64K flow entries
	Switch should support 128 or more STP Instances.
	Switch should have 16MB or more packet buffer.
1.3	Functionality :
	Switch should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z & 1588v2.
	Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features from Day1
	Should support* advance Layer 3 protocol like BGPv4, BGPv6 , MPLS, VRF, VXLAN, IS-ISv4, OSPFv3, MP-BGP
	Switch shall have 802.1p class of service, marking, classification, policing and shaping and eight egress queues.
	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.
	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-256 on hardware*
	During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed
	1.4
	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.
	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.

OEM should be listed in Gartner Leader Quadrant for Wired and Wireless LAN Infrastructure from last 3 years before releasing this RFP.

6>Firewall

Hardware Architecture	The appliance based security platform should provide firewall, AVC and IPS functionality in a single appliance from day one
	The appliance should support atleast 6 * 10G Gigabit ports and should be scalable to additional 8 * 40G in future with 1RU of rack space
	The appliance hardware should be a multicore CPU architecture with a hardened 64 bit operating system to support higher memory and should support minimum of 64 GB of RAM
	The proposed solution shouldn't use a proprietary ASIC hardware for any kind of performance Improvement. If option to disable ASIC is there than OEM must mention the performance numbers in datasheet
Performance & Scalability	Should support 10 Gbps of NGFW (FW, AVC and IPS) real-world / production / Enterprise Testing performance
	Firewall should support atleast 9,000,000 concurrent sessions with application visibility turned on
	Firewall should support atleast 60,000 connections per second with application visibility turned on
	Firewall should have integrated redundant hot-swappable power supply, fan tray / modules
	High Availability Configurations shall support Active/ Passive or Active/Active-Clustering
NG Firewall Features	Firewall should support creating access-rules with IPv4 & IPv6 objects, user/groups, application, geolocation, url, zones, vlan, etc
	Firewall should support Nat66 (IPv6-to-IPv6), Nat 64 (IPv6-to-IPv4) & Nat46 (IPv4-to-IPv6) functionality
	Should support Static, RIP, OSPF, OSPFv3 and BGP, BGPv6
	Should support Multicast protocols like IGMP, PIM, etc
	Should support capability to integrate with other security solutions to receive contextual information like security group tags/names
	Should have the capability of passively gathering information about virtual machine traffic, network hosts and their activities, such as operating system, services, open ports, client applications, and vulnerabilities, to assist with multiple activities, such as intrusion event data correlation, elimination of false positives, and policy compliance.
	Should be capable of dynamically tuning IDS/IPS sensors (e.g., selecting rules, configuring policies, updating policies, etc.) with minimal human intervention.
	Should support more than 25,000 (excluding custom signatures) IPS signatures or more. Should support capability to configure correlation rule where multiple rules/event can be combined together for better efficacy
	Should be capable of detecting and blocking IPv6 attacks.
	The solution should be able to identify, decrypt and evaluate both inbound and outbound SSL traffic on-box
	Should support the capability to quarantine end point by integrating with other security solution like Network Admission Control

	Solution must support IP reputation intelligence feeds from third party and custom lists of IP addresses including a global blacklist
	Should must support DNS threat inetllifence feeds to protect against threats
	The Appliance OEM must have its own threat intelligence analysis center and should use the global footprint of security deployments for more comprehensive network protection.
	Should be able to identify attacks based on Geo-location and define policy to block on the basis of Geo-location
	The detection engine must incorporate multiple approaches for detecting threats, including at a minimum exploit-based signatures, vulnerability-based rules, protocol anomaly detection, and behavioral anomaly detection techniques.
	Should support Open based Applicaion ID / Custom Application ID for access to community resources and ability to easily customize security to address new and specific threats and applications quickly
URL Filtering Features	Should must support URL threat inetllifence feeds to protect against threats
	Should support safe search for YouTube EDU enforcement
	Proposed solution shall have required subscription like Threat Intelligence for proper funtioning
	Local Malware analysis appliance shall be capable of executing MS Office Documents, Portable Documents, Archive Files, Multimedia Files and executable binaries or more in a virtual environment.
	Local Malware analysis appliance shall have integrated redundand power supply and minimum of 2 x 10 Gig ports or more
Management	The management platform must be accessible via a web-based interface and ideally with no need for additional client software
	The management platform must be a dedicated OEM appliance and VM running on server will not be accepted
	The management appliance should have 2 x 10G port and integrated redundand power supply from day one
	The management platform must be able to store record of 15000 user or more
	The management platform must provide centralized logging and reporting functionality
	The management platform must be capable of integrating third party vulnerability information into threat policy adjustment routines and automated tuning workflows
	The management platform must be capable of role-based administration, enabling different sets of views and configuration capabilities for different administrators subsequent to their authentication.
	Should support troubleshooting techniques like Packet tracer and capture
	Should support REST API for monitoring and config programmability
	The management platform must provide multiple report output types or formats, such as PDF, HTML, and CSV.
	The management platform support running on-demand and scheduled reports
	The management platform must include an integration mechanism, preferably in the form of open APIs and/or standard interfaces, to enable events and log data to be shared with external network and security management applications, such as Security Information and Event Managers (SIEMs), and log management tools.

7> Access Points

Generic Requirements
Access Points proposed must include radios for 2.4 GHz and 5 GHz with 802.11ac Wave 2. Access Point must have controller functionality to control minimum 15 access points on same LAN.
Must have a robust design for durability, without visible vents.
Mounting kit should be standard from OEM directly.
Must support 4x4 multiple-input multiple-output (MIMO) with four spatial streams
Must support data rates Upto 450 Mbps on 802.11n and 1.3 Gbps on 802.11ac
Must support up to 22dbm of transmit power in both 2.4Ghz and 5Ghz radios.
Must have 2 nos. of 10/100/1000 Base-T (least one with PoE/PoE+ powering) port and one management console port.
Must have minimum 16 SSIDs.
Should support detecting and classifying non Wi-Fi wireless transmissions.
Should support radio resource management for power, channel, coverage hole detection and performance optimization.
Must operate as a sensor for wireless IPS.
Access Points must support a distributed encryption/decryption model.
Must be plenum-rated (UL2043).
Should support 802.11e and WMM.

8> Audio Conferencing System with PSTN

2.4 GHz ADFHSS technology features high confidentiality and strong anti-interference ability, long operating range up to 40m. The Conference onference system consists of one host unit, one chairman unit and delegate units (up to 254 nos). Enables 4 transmitters to speak simultaneously without mutual interference.

Optional FREE or REQUEST speech mode of delegate units controlled by the chairman unit. Intelligent power management system features battery power saving (All units turn off automatically when the host unit is turned off). Built-in high performance frequency shifter effectively reduces howling and enhances the sound pick up effect. All units have LCD display. Battery status is shown on the Chairman and Delegate Unit displays.

Host unit features balanced and unbalanced audio output for convenient connection with audio amplifier. Use with separate Amplifier and Speakers.

• CHAIRMAN UNIT

FREE / REQUEST Mode Selection, Priority Function to override all Delegates. , CD: Displays the Working Status and battery charge., Microphone Indicator Ring LED , Features Anti-Interference Technology. Power Supply: 2 pcs., AA, Alkaline Batteries.

• DELEGATE UNIT

Power/TALK Button , LCD: Displays the Delegate Unit No., Microphone Indicator Ring LED.Features Anti-Interference Technology.Power Supply: 2 pcs., AA, Alkaline Batteries.

HOST UNIT

Carrier Frequency 2.4GHz (2400-2483MHz) Adaptive Digital FHSS Technology.

9> Desktop

Screen 21.5" Full HD Display Windows 10 Pro 64-bit English + MS OFFICE, 2GB Graphics 3 Years Company Warranty , 10th Generation Intel Core i5-10210U Processor (6MB Cache, up to 1.6 GHz), 8GB, 8Gx1, DDR4, 2666MHz, 1TB 7200 RPM 2.5" SATA Hard Drive+256GB m.2 PCIe NVMe Solid State Drive 10th Generation Corei5-10210U 8GB RAM,1TB+256GB SSD,2GB Graphics 21.5" FHD Windows 10 All in One Desktop PC AIO with office 365 License.

Rear: 1 Rear security lock slot 1 USB 2.0 Type A 3 USB 3.1 Gen 1 Type A 1 USB 3.1 Gen 2 Type-C 1 RJ-45 10/100/1000 1 SD Card Reader 3.0 1 Microphone/Headset Jack 1 DC power 1 HDMI-In 1 HDMI-out Below: Speaker Power Input mode

10>Laptop

Processor: 10th Generation Intel Core i5 10210U; Base Speed: 1.6Ghz, Max Speed: 4.2Ghz, 4 Cores, 8 Threads, 6MB Smart Cache Operating System: Windows 10 Home with lifetime validity Display: 14 inch screen with (1920X1080) full HD display |Anti Glare technology |IPS Display, Memory and Storage: 8 GB RAM | 01 TB HDD , Min 128 GB SSD Storage Pre-Installed Software: Windows 10 Pro, Office 365 ,3-3-3 On Site Warranty.

11>Multifunction Printer (A3/A4) -Color

Min 31 COPIES/PRINTS PER MINUTE , A3 / A4 SIZE COPIER / PRINTER / COLOUR SCANNER,WITH DADF / DUPLEX , Networked ,PAPER CAPACITY Min 1000 SHEETS

12>Multifunction Printer (A3/A4) – Monochrome

Digital Photocopier Machine With, Network & Wi-Fi Ready Machine/Duplex/DADF Network Print/Color Pull & Push Scanner/Copier Secure print & Send Feature Speed : 20 PPM A4 / A3 Paper Size 600X 600 DPI resolutions Paper Sources: Standard: 250 Sheets Paper Capacity Memory: 512 MB RAM Buy Pass Tray Capacity: 80 Sheets.

13> CCTV (IP Based) with NVR

IP 2.0 MP Full HD 1080P, Dome In-door Camera with Night Vision, 4.0 mm Lens ,30 M distance, POE INBUILT

IP 2.0 MP Full HD 1080P, Bullet out-door Camera with Night Vision, 4.0 mm Lens ,30 M distance, POE INBUILT

PTZ Camera , 5.4-97MM, IR Distance : 100M , 30fps@1920X1080, Optical zoom 18X 16 Channel NVR Supported up to 8 MP Camera, 4 K, 2 Port HDD Support UPTO 16 GB, 2 USB, 1 VGA & 1 HDMI output 16 Channel NVR Supported up to 8 MP Camera, 4 K, 2 Port HDD Support UPTO 16 GB, 2 USB, 1 VGA & 1 HDMI output.

POE Switch 8 port ,up-link port 2, Junction Box For Cameras, Lock-able Wall mount Rack for NVR, Cabling in Conduit with Cat 6 UTP cable & Display Monitor – min 20 inches Size. Including Installation & commissioning at Site.

14> Intelligent Access Control System :-

Non-Contact fully automated device

- 8" full HD LCD screen ,
- Supports face recognition, mask recognition, body temperature detection, access card and attendance management,
- Built-in FACE ++ deep learning face recognition ,
- Support 50,000 face database,
- Alarm beep on abnormal temperature100 ms fast identification ,
- Support 2D, 3D digital noise reduction,
- Support various software and hardware customize software ,
- hardware interface, integrated 100M Ethernet interface, audio interface, Wiegand interface, relay interface, TF card, USB and other interfaces

15 > 43" Smart LED Display / TV Unit , IPS Panel Full HD with Wall Mounting Bracket.

Resolution : Full HD (1920x1080) | Refresh Rate: 60 hertz

Connectivity: 3 HDMI ports to connect set top box, Blu-ray players, gaming console | 1 USB port to connect hard drives and other USB devices

Sound: 16 Watts Output | Dolby Digital Plus | DTS True Surround

Smart TV features : Dual band Wi-Fi | Built-in Fire TV OS | Alexa Voice Control | | Voice Remote with Alexa

16> LED Projector , Min 4000 lumens , Wi Fi with Screen

Big screen upto 300 inches , Colour brightness of 3,100 Lumens with Full HD 1920 x 1080 resolution and 15,000:1 contrast ratio, 2 HDMI ports with 1 port supporting MHL , Maximum image size of 300 inches, 100 inch diagonal (7'3" x 4'1") image at throw distance of 7 feet 5 inches , Also available RCA connectors for composite video and audio, 2 Watt monaural built-in speakers, Split screen with Overhead Mounting Kit and HDMI Cable – 10 Meter Length. Retractable / Foldable Screen , Ceiling Mounted.

17> UPS 05 KVA -Digital Technology

- Nominal Power: 5KVA- Power Factor ($\cos\phi$): 0,8;
- Topology: On Line Double Conversion VFI;
- Batteries type: lead acid, sealed, free maintenance, VRLA in a dedicated external battery cabinets. Batteries must guarantee a minimum back up time of 90 **minutes** at 100% of the applied load

Rectifier/PFC

The rectifier must include a control and regulating circuit (PFC), which in addition to normal rectifying functions will allow the:

- Automatic correction of the power factor to the at value $>0,99$ (since from the 50% of the nominal load);
- Reduce the Harmonic distortion of the input current obtaining $THDI_{in} = 10\%$ with nominal load

Inverter

The inverter must be based on a switching IGBT circuit with High Frequency PWM, and must be able to transform the DC supply, coming from rectifier/PFC or booster, in case of battery run, in AC voltage.

Battery type

The maintenance-free stationary lead batteries are housed in external cabinet to best match the UPS itself. The positive and negative battery connections are protected by an adequate holder isolating switch.

18> Installation & Commissioning of entire System

The Installation & Commissioning includes making functional entire systems , incl. all subsystems of Individual ICT Equipment's , Electrical & Control Cabling in PVC conduit neatly fixed. It would also include any related Civil , Masonry, Electrical work , which may require cutting , filling & restoring the original surface, incl. floor tiling , false ceiling etc.

Tender Enquiry ref:		HITES/PHEOC-01/20-21									
Name of the bidder:											
PRICE BID											
1	2	3	4	5	6	7	8	9	10	11	12
Sl. No.	Description of goods as per specification and/or BOQ	Make/ Model	Country of Origin	HSN/SAC Code	Quantity	Unit	Unit Price at Consignee Site (excl. GST)	Applicable GST (%)	GST amount per unit (8 x 9)	Unit Price at Consignee Site inclusive of GST (8+10)	Total Price at Consignee Site inclusive of GST (6 x 11)
1	Integrated Display Unit with VC Cameras.				1	NO			₹ 0.00	₹ 0.00	₹ 0.00
2	Cloud Based Conferencing Software				1	NO			₹ 0.00	₹ 0.00	₹ 0.00
3	Call Control System (IP PBX) with 10 Extension Phone Sets				1	NO			₹ 0.00	₹ 0.00	₹ 0.00
4	Router				1	NO			₹ 0.00	₹ 0.00	₹ 0.00
5	Level 2 switch				2	NO			₹ 0.00	₹ 0.00	₹ 0.00
6	Firewall				1	NO			₹ 0.00	₹ 0.00	₹ 0.00
7	Access Point with 04 Wall Mounted AP Devices				1	NO			₹ 0.00	₹ 0.00	₹ 0.00
8	Audio Conferencing System with PSTN set with 15 Microphones				1	SET			₹ 0.00	₹ 0.00	₹ 0.00
9	Desktop				10	NO			₹ 0.00	₹ 0.00	₹ 0.00
10	Laptop				2	NO			₹ 0.00	₹ 0.00	₹ 0.00

11	Multifunction Printer (A3/A4) -Color				1	NO			₹ 0.00	₹ 0.00	₹ 0.00
12	Multifunction Printer (A3/A4) -Mono Chrome				2	NO			₹ 0.00	₹ 0.00	₹ 0.00
13	IP CCTV with NVR- Two Bullet & 04 Dome Camera , 01 TB Cap NVR				1	SET			₹ 0.00	₹ 0.00	₹ 0.00
14	Intelligent Access Control System - 01 Entry Point				1	SET			₹ 0.00	₹ 0.00	₹ 0.00
15	43" Smart LED Display / TV Unit , IPS Panel Full HD				2	NO			₹ 0.00	₹ 0.00	₹ 0.00
16	LED Projector , Min 4000 lumens , Wi Fi with Screen				1	NO			₹ 0.00	₹ 0.00	₹ 0.00
17	UPS 05 KVA - Digital Technology				1	NO			₹ 0.00	₹ 0.00	₹ 0.00
18	Installation & Commissioning of entire System				1	LS			₹ 0.00	₹ 0.00	₹ 0.00