

Request for Proposal

Selection of System Integrator for Installation of Video Conferencing System at the courts and correctional homes Within Kolkata Police Jurisdiction for “In Camera” TI Parade under the safe City Women Safety Project (Nirbhaya)

Tender No. WEBEL/EOT/COM/20-21/00064

Dated: 26-02-2021

**West Bengal Electronics Industry
Development Corporation Limited (WBEIDCL)
Webel Bhawan, Block- EP & GP,
Sector-V, Salt Lake, Bidhan Nagar,
Kolkata-700091
West Bengal**

Disclaimer

This Notice Inviting e-Tender (NIT) contains brief information about the project, qualification requirements and the selection process for the successful applicant (bidder). The purpose of this NIT document is to provide applicants (bidders) with information to assist the formulation of their bid application (the “application”).

Whilst the information in this NIT has been prepared in good faith, it is not and does not purport to be comprehensive or to have been independently verified. Neither West Bengal Electronics Industry Development Corporation Limited (WBEIDCL) , nor any of its officers or employees, nor any of their advisers nor consultants accept any liability or responsibility for the accuracy, reasonableness or completeness of the information contained in the NIT, or for any errors, omissions or misstatements, negligent or otherwise, relating to the proposed project, or makes any representation or warranty, express or implied, with respect to the information contained in this NIT is based or with respect to any written or oral information made or to be made available to any of the recipients or their professional advisers and, so far as permitted by law and except in the case of fraudulent misrepresentation by the party concerned, and liability therefore is hereby expressly disclaimed.

The information (‘Information’) contained in this NIT document or subsequently provided to interested parties (the "applicant(s)), in writing by or on behalf of WBEIDCL is provided to applicant(s) on the terms and conditions set out in this NIT documents and any other terms and conditions subject to which such information is provided.

This NIT document is not an agreement and is not an offer or invitation by WBEIDCL to any other party. The terms on which the project is to be developed and the right of the successful applicant shall be as set out in separate agreements contained herein. WBEIDCL reserves the right to accept or reject any or all applications without giving any reasons thereof. WBEIDCL will not entertain any claim for expenses in relation to the preparation of NIT submissions.

Abbreviation

Abbreviations	Descriptions
DSC	Digital Signature Certificate
GM	General Manager
EMD	Earnest Money Deposit
GST	Goods & Service Tax
LOI	Letter of Intent
PAN	Permanent Account Number
PBG	Performance Bank Guarantee
PSU	Public Sector Undertaking
PO	Purchase Order
NIT	Notice Inviting e-Tender
SLA	Service Level Agreement
SI	System Integrator
VC	Video Conferencing
WBEIDCL	West Bengal Electronics Industry Development Corporation Limited

Table of Contents

NOTICE INVITING E-TENDER 6

GENERAL GUIDANCE FOR E-TENDERING..... 7

IMPORTANT DATES & INFORMATION..... 8

Section - A: Instruction to Bidder 10

Section - B: Eligibility Criteria..... 31

 1. Company Registration 31

 2. Trade Licence/Professional Tax/IT Return 31

 3. Undertaking Regarding Blacklisting 31

 4. Undertaking Regarding Acceptance of the Terms & Conditions. 31

 5. Insolvency/Criminal Activities 31

 6. No Consortium is allowed 32

 7. Annual Turnover 32

 8. Credentials 32

 9. Bidders Criteria/ Work Experience: 32

 10. Mandatory Certification 32

 11. PAN No. 33

 12. Goods & Services Tax (GST) 33

 13. Employees/Manpower under the Bidder 33

 14. Authorization/OEM Certificate 33

 15. Proprietary Article Certificate 34

 16. Verification of local content 34

 17. Solvency Certificate: 35

 18. Incorporation certificate 35

 19. Locations of Service Centres: 35

 20. No part Bid allowed 35

Section-C: Technical Evaluation Criteria..... 36

 1. Evaluation of Technical Bids 36

 2. Selection Method 37

Section-D: Scope Of Work..... 39

Section– E: Project Timeline & Payment 41

Section– F: Bill of Materials & Technical Specifications	42
i. Bill of Materials:.....	42
ii. Technical Specification:	43
Section – G: Appendix-I: Locations for Installation	56
Section – H: Annexures	63
Annexure I: Covering letter for submission of RFP	63
Annexure-II: Declaration for not being blacklisted	64
Annexure–III: Bidder’s Annual turnover over last 3 financial years	65
Annexure–IV: Format for Manufacturer’s Authorisation Form	66
Annexure–V: Format for Performance Bank Guarantee	67
Annexure – VI: Contract Performance Guarantee	70
Annexure – VII: Checklist for the RFP	72
Annexure-VIII: Technical Specification and Compliance Statement	74

NOTICE INVITING E-TENDER

Tender Reference Number: WEBEL/EOT/COM/20-21/00064

West Bengal Electronics Industry Development Corporation Limited (WBEIDCL) invites e-tender for the work mentioned in the Table1. E-Tenders are invited from bonafide Dealers/ Original Equipment Manufacturers/ System Integrator (SI)/ Traders/ Registered SSI Units/ Industrial Undertakings/ Organizations having sufficient experience and credentials for Supply, Installation, and Commissioning & Maintenance of video conferencing system at the courts and correctional homes within Kolkata Police jurisdiction for "In Camera" TI parade under the safe city women safety project (Nirbhaya). Submission of bid should be through electronic bidding process.

Table 1: Detail of the Scheme

Name of the Project	Tender Document Cost in INR (Non-Refundable)	Earnest Money Deposit in INR (Refundable)
Supply, Installation, and Commissioning & Maintenance of video conferencing system at the courts and correctional homes within Kolkata Police jurisdiction for "In Camera" TI parade under the safe city women safety project (Nirbhaya).	Rs. 2,000/-	Rs. 6,00,000/-

- a) In the event of e-filing, intending bidders may download the tender documents from the website <https://wbtenders.gov.in> directly.
- b) In the event of e-filing, intending bidders may download the tender documents from the website <https://wbtenders.gov.in> directly. Necessary cost of tender documents (tender fees) of Rs. 2000/- (Rupees Two Thousand) has to be remitted through Net banking or through RTGS. NEFT through the <https://wbtenders.gov.in> //portal as per G.O 3975-F(Y) dated 28th July, 2016 issued by Finance department Govt. of West Bengal.
- c) The bidder shall pay an EMD of Rs. 6,00,000 (Rupees Six Lakh only) through Net banking or through RTGS NEFT through the <https://wbtenders.gov.in> //portal as per G.O 3975-F(Y) dated 28th July, 2016 issued by Finance department Govt. of West Bengal.
- d) The Technical Bid and the Financial Bid, duly digitally signed, will need to be submitted in the website <https://wbtenders.gov.in>
- e) Submission of the Bid should be done as per the stated time schedule mentioned in "IMPORTANT DATES & INFORMATIONS" section of the RFP.
- f) The Financial Bid of the prospective bidder will be considered only if the Technical Bid is found qualified by the 'Tender Evaluation Committee'. The decision of the 'Tender Evaluation Committee' will be final and absolute in this respect.

GENERAL GUIDANCE FOR E-TENDERING

Instructions / guidelines for electronic submission of the tenders have been annexed for assisting the bidders to participate in e-Tendering.

i. Registration of Bidder:

Any Bidder willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement System through logging on to <https://wbtenders.gov.in>. The Bidder is to click on the link for e-Tendering site as given on the web portal.

ii. Digital Signature Certificate (DSC):

Each Bidder is required to obtain a Class-II or Class-III Digital Signature Certificate (DSC) for submission of tenders from the approved service provider of the National Informatics Centre (NIC) on payment of requisite amount. Details are available at the Web Site stated above. DSC is given as a USB e-Token. The Bidder can search & download N.I.T. & BOQ electronically from computer once he logs on to the website mentioned above using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

iii. Participation in more than one work:

A prospective bidder shall be allowed to participate in the job either in the capacity of individual or as a partner of a firm. If, found to be applied severally in a single job all the applications will be rejected.

iv. Submission of Tenders:

Tenders are to be submitted online to the website in two folders at a time for each tender (one is Technical Proposal & the other is Financial Proposal) before the prescribed date & time using the Digital Signature Certificate (DSC). The documents to be uploaded should be virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed into non-readable formats).

IMPORTANT DATES & INFORMATION

Table 2: Fact Sheet

1.	Tender No. & Date	WEBEL/EOT/COM/20-21/00064 dated 26-02-2021
2.	Tender Version	1.0
3.	Brief description of project	Supply, Installation, and Commissioning & Maintenance of video conferencing system at the courts and correctional homes within Kolkata Police jurisdiction for "In Camera" TI parade under the safe city women safety project (Nirbhaya).
4.	Tender document Fee	Rs.2000/- (Rupees Two Thousand only) through net banking or through RTGS/NEFT in the portal of the website: https://wbtenders.gov.in as per G.O 3975-F(Y) dated 28th July 2016 issued by Finance Department, Govt. of West Bengal. For details regarding payment procedure & guideline on the same, bidders are advised to follow the mentioned order and portal.
5.	Earnest Money Deposit	Rs.6,00,000/- (Rupees Six Lakhs only) through net banking or through RTGS/NEFT in the portal of the website: https://wbtenders.gov.in as per G.O 3975-F(Y) dated 28th July 2016 issued by Finance Department, Govt. of West Bengal. For details regarding payment procedure & guideline on the same, bidders are advised to follow the mentioned order and portal.
6.	Tender issuing entity	West Bengal Electronics Industry Development Corporation Limited (WBEIDCL)
7.	Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	Date: 26-02-2021
8.	Documents download /Sale start date (Online)	Date: 26-02-2021
9.	Last Date and time of sending the queries (Offline)	Date: 08-03-2021 ; 12:00 pm
10.	Pre-Bid Meeting at WBEIDCL Office (Online through Microsoft Teams)	Date: 10-03-2021; 12:00 pm Click here to join Pre-Bid meeting <ul style="list-style-type: none"> • Queries will be sent to Shri Suman Moitra, General Manager (BDs),

		E-mail: suman.moitra@webel-india.com
11.	Corrigendum, if any will be published (Online)	Date: 12-03-2020
12.	Bid Submission start date & time (Online)	Date: 12-03-2021 ; 05:00 PM
13.	Last Date & time of submission of original Earnest Money Deposit (Online)	Date: 19-03-2021 ; 12:00 pm
14.	Last Date & time of submission of original cost of Tender Documents, in case the bidder did not attend the Pre-Bid Meeting (Online)	Date: 19-03-2021; 12:00 pm
15.	Bid Submission closing date & time (Online)	Date: 19-03-2021; 12:00 pm
16.	Bid opening date & time for Technical Proposals (Online)	Date: 22-03-2021; 03:00 pm
17.	Date of uploading the final list of Technically Qualified Bidder (online) after disposal of appeals (if any).	Date: To Be Notified Later On
18.	Date for opening of Financial Bid (Online)	Date: To Be Notified Later On
19.	Contact Persons	Shri Pratul Show, General Manager (Commercial), e-mail pratul.show@webel-india.com

Section - A: Instruction to Bidder

1. Definitions

In this document, the following terms shall have following respective meanings:

“Similar Works” shall comprise of Installation of Video Conferencing System in a Government Department / PSU or any reputed large organizations in India.

“Agreement” means the Agreement to be signed between the successful bidder and West Bengal Electronics Industry Development Corporation Limited (WBEIDCL) including all attachments, appendices, all documents incorporated by reference thereto together with any subsequent modifications, the RFP, the bid offer, the acceptance and all related correspondences, clarifications, presentations.

“Bidder” means any firm offering the solution(s), service(s) and /or materials required in the RFP. The word Bidder when used in the pre-award period shall be synonymous with Bidder, and when used after award of the Contract shall mean the successful Bidder with whom WBEIDCL signs the agreement for supply, install, commission and render services for the systems.

“Contract” is used synonymously with Agreement.

“Contract Price” means the price to be paid to the Contractor for providing the Solution, in accordance with the payment terms.

“SI/Contractor/ Vendor” means the Bidder whose bid to perform the Contract has been accepted by Tender Committee and is named as such in the Letter of Award.

“Default Notice” shall mean the written notice of Default of the Agreement issued by one Party to the other.

“Installation” Shall mean installation of Video Conferencing system to achieve functional objectives defined in the RFP.

“Fraudulent Practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a Contract and includes collusive practice among Bidders (prior to or after Bid submission) designed to establish Bid prices at artificial non-competitive levels and to deprive the WBEIDCL and eventually Govt. of W. Bengal of the benefits of free and open competition.

“GoWB” / “Government” / “Govt. of W. Bengal” means the Government of West Bengal.

“GoI” shall stand for the Government of India.

“Law” shall mean any Act, notification, bye law, rules and regulations, directive, ordinance, order or instruction having the force of law enacted or issued by the Central Government and/or the Government of West Bengal or any other Government or regulatory authority or political subdivision of government agency.

“LOI” means issuing of Letter of Intent shall constitute the intention of the WBEIDCL to place the Purchase Order with the successful bidder.

“Material Breach” means a breach by either Party (Client or Bidder) of any of its obligations under this Agreement which has or is likely to have an Adverse Effect on the Project which such Party shall have failed to cure.

“**Parties**” means Client and Bidder for the purposes of this Agreement and “**Party**” shall be interpreted accordingly.

“**Services**” means the work to be performed by the Bidder pursuant to this Contract, as described in the detailed Scope of Work.

“**System Integrator/ SI/ Operator**” means the company providing the services under Agreement.

“**Requirements**” shall mean and include schedules, details, description, statement of technical data, performance characteristics, standards (Indian as well as International) as applicable and specified in the Contract.

“**WBEIDCL**” mean West Bengal Electronics Industry Development Corporation Limited

“**Termination Notice**” means the written notice of termination of the Agreement issued by WBEIDCL.

“**Service Level**” Means the level of service and other performance criteria which will apply to the Services delivered by the bidder.

“**SLA**” means the Performance and Maintenance SLA executed as part of the Master Service Agreement.

“**Services**” means the work to be performed by the contractor including the supply of related accessories, transportation, insurance, customization, commissioning, training, technical support, maintenance, repair, and other services necessary for proper operation of the intended equipment to be provided by the contractor and as specified in the Contract.

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

“**Class-I local supplier**” means a supplier or service provider, whose goods, Services or works offered for procurement, has local content equal to or more than 50% as defined under Preference to Make in India, Order 2017.

“**Class-II local supplier**” means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50% as defined under Preference to Make in India, Order 2017.

“**Non-Local supplier**” means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than that prescribed for ‘Class-II local supplier’ under Preference to Make in India, Order 2017.

“**Margin of purchase preference**” means the maximum extent to which the price quoted by a “Class-I local supplier” may be above the L1 for the purpose of purchase preference.

2. Submission of BID

Bids are to be submitted through online to the website stated above in two folders at a time, one in Techno Commercial Proposal & the other is Financial Proposal before the prescribed date & time using the Digital Signature Certificate (DSC). The documents are to be uploaded virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed into non-readable formats).

3. Query

The last date of submission of queries is Date: 08-03-2021; 12:00 pm. The queries shall be submitted in the format as provided below. Queries will be sent to Shri Suman Moitra, GM (BD), suman.moitra@webel-india.com. Each Bidder shall send only one e-mail containing the Pre-Bid Queries, as per format (mentioned in Table 3). In case of more than one e-mail, only the queries provided in the first e-mail shall be considered.

4. Pre-Bid Meeting

- i. WBEIDCL will host a Pre-Bid Meeting for queries (if any) by the prospective bidders. The representatives of the bidders may attend the pre-bid meeting at their own cost. The purpose of the pre-bid meeting is to provide a forum to the bidders to clarify their doubts/seek clarification or additional information necessary for them to submit their bid.
- ii. All enquiries from the bidders relating to this Bid Document must be submitted to the designated contact person as mentioned above via email. The queries should necessarily be submitted in the following format:

Table 3: Format of Prebid queries

#	RFP Document Reference			Content of the RFP requiring clarification	Clarification Sought
	Section No.	Sub-Section	Page No.		
1					
2					
3					

5. Cost of Bidding

The bidder shall bear all costs associated with the preparation and submission of the bid and WBEIDCL will no case be responsible for those costs regardless of the conduct or outcome of the bidding process.

6. Bid Document

Bidder is expected to examine all instructions, forms, terms and requirement in the bid document. The invitation to bid together with all its attachment thereto shall be considered to be read, understood and accepted by the bidder. No deviations will be accepted. Failure to furnish all information required by the bid document or a bid not substantially responsive to the bid document in every respect may result of the bid.

7. Amendment of Bid Document

At any time prior to the deadline for submission of proposals, WBEIDCL reserves the right to add/modify/delete any portion of this document by issuance of a Corrigendum, which would be published

on the website. The Corrigendum shall be binding on all bidders and will form part of the bid documents. Corrigendum can be published at least 3 days prior to the Bid submission deal line, with extension of 4 days of Bid Submissions Deadline, such that the bidders gets at least 7 days to submit the bid after a corrigendum is published.

8. Modification and Withdrawal of Bids

The bidder may modify or withdraw its bid after submission, before the deadline prescribed for bid submission.

9. Language of Bid & Correspondence

The proposal will be prepared by the Bidder in English language only. All the documents relating to the proposal (including brochures) supplied by the firm should also be in English, and the correspondence between the Bidder & WBEIDCL will be in English language only. The correspondence by fax/E-mail must be subsequently confirmed by a duly signed formal copy.

10. Earnest Money Deposit (EMD)

The firm shall furnish an **EMD of Rs.6,00,000/-** (Rupees Six Lakhs only) through net banking or through RTGS/NEFT in the portal of the website: <https://wbtenders.gov.in> as per G.O 3975-F(Y) dated 28th July 2016 issued by Finance Department, Govt. of West Bengal. For details regarding payment procedure & guideline on the same, bidders are advised to follow the mentioned order and portal. Any bid not accompanied with the EMD/ BG shall be rejected. The validity of EMD instrument/ BG will be initially 3 months, to be extended, if required.

11. Forfeiture of EMD

EMD/ BG made by Bidder may be forfeited under the following conditions:

- If Bidder withdraws the proposal before the expiry of validity period.
- During the evaluation process, if a Bidder indulges in any such activity as would jeopardize the process, the decision of WBEIDCL regarding forfeiture of EMD shall be final and shall not be called upon question under any circumstances.
- If Bidder violates any of the provisions of the terms and conditions of the proposal.
- In the case of a successful Bidder, if Bidder fails to:
 - a) Accept the work order along with the terms and conditions.
 - b) Furnish performance security.
 - c) Violates any of the work conditions of this proposal or indulges in any such activities as would jeopardize the work.
 - d) Submitting false/misleading information/ declaration/ documents/ proof/etc.

The decision of WBEIDCL regarding forfeiture of EMD/ BG shall be final and shall not be called upon to question under any circumstances, besides, forfeiture of EMD/ BG even the Bidder will be deferred from participating in any job for a period of one year.

12. Forms and Formats

The various inputs for the Technical as well as Price bid are to be submitted in the format specified. The bidder shall use the form, wherever specified, to provide relevant information. If form does not provide space for any required information, space at the end of the form or additional sheets shall be used to convey the said information. For all other cases, the bidder shall design a form to hold the required information.

13. Lack of Information to Bidder

The bidder shall be deemed to have carefully examined the Bid document to his entire satisfaction. Any lack of information shall not relieve the bidder of his responsibility to fulfil his obligation under the bid. If bidder has any queries relating to bid document then he can send the queries before the Pre Bid Meeting.

14. Evaluation Procedure

- Bidders who have submitted the valid Bid Security, i.e., EMD/ BG, Tender Document Fee & NIT Declaration (Part – I) as per requirement shall be considered for further evaluation. Absence of these documents may lead to summary rejection of the bid.
- The Eligibility Criteria (Part – II) will be evaluated by Tender Committee and those qualify will be considered for further evaluation.
- After qualifying in Technical Evaluation, qualified bidders will only be considered for Price Bid evaluation.
- The basis of bid evaluation shall be “**Quality Cost Based Selection (QCBS)**”. That is the bidder with the highest total score will be declared successful bidder and will be allowed for implementation of the solution and operations and maintenance for a period of three years.
- The quoted cost will be firm for the entire duration of the project. After the end of the contract period of the bidder will hand over (and transfer ownership of) the application software to WBEIDCL.

15. Performance Bank Guarantee (PBG)

- a. Within 14 days of notifying the acceptance of proposal for the award of contract, the successful bidder shall furnish a Performance Bank Guarantee (PBG), as per Annexure-V, amounting to the 3% of the total bid value for the entire contract period as its commitment to perform services under the contract.
- b. Failure to comply with the requirements shall constitute sufficient grounds for the forfeiture of the PBG. The PBG shall be released immediately after expiry of contract provided there is no breach of contract on the part of the bidder. No interest will be paid on the PBG.
- c. Firms registered as a Small Scale Industry/MSME/NSIC/C&SSI Department, West Bengal may, however, be exempted from depositing Security Money on production of satisfactory documents in support of their claim but shall have to execute an agreement within 10 days from the date of issue

of the Work Order failing which the Letter of Acceptance (LoA)/Work Order may liable to be cancelled. They have to submit Contract Performance Guarantee (CPG).

16. Contract Performance Guarantee (CPG):

- i) In case of the successful bidder is registered under **Small Scale Industry/MSME/NSIC/C&SSI Department, West Bengal** shall have to submit **Contract Performance Guarantee (CPG)** amounting to **3%** of the total value of the project, which will have to be submitted prior to the release of the project cost in the form of a Bank Guarantee issued by a Nationalized Bank in favour of WBEIDC Limited as per Format enclosed in **Annexure-VI**. The schedule for release of CPG is as follows –

Sl. No.	Time Schedule	Amount to be released
1.	Completion of 1st year of Warranty period	33.3% of total CPG amount
2.	Completion of 2nd year of Warranty period	33.3% of total CPG amount
3.	Completion of 3rd year of Warranty period	33.4% of total CPG amount

- ii) The contractor shall be at liberty to submit 3 separate CPGs in the form of BG as mentioned above to cover the entire CPG amount. In that case, after satisfactory completion of each year one CPG/BG would be released phase wise. In case of a single BG/CPG, it would be released after confirmation of deposit of proportionate amount of BG/CPG @20% per year for the remaining years.
- iii) In the event of failure to execute the Work Order satisfactorily or in the event of default by the contractor, the CPG will be forfeited. **The CPG will not carry any interest.**

17. Awarding of Contract

An affirmative Post Qualification determination will be prerequisite for award of the contract to the overall successful bidder. A negative determination will result in rejection of bidder's bid, in which event the WBEIDCL will proceed to the next evaluated bidder to make a similar determination of that bidder's capability to perform satisfactorily. WBEIDCL will award the contract to the successful bidder whose bid has been determined to be substantially responsive after final negotiation may held with the successful bidder, if required. The successful bidder (s) will have to give security deposit in the form of Performance Bank Guarantee (PBG) and the value will be decided by WBEIDCL at the time of issuance of LOA.

18. Contract Execution

On receipt of the Letter of Award the contractor should submit a Performance Bank Guarantee within three weeks from the date of receipt of Letter of Award/Order. The PBG should be valid till the end of the project from the date of issuance of LOI and may be extended at the discretion of WBEIDCL.

19. Liquidated Damage

The job includes the supply and installation of application software mentioned in the tender document. In the event of failure to meet the job completion in stipulated date/time liquidated damage will be imposed on the contractor for sum equivalent to 0.5% of the contract value for each week or part thereof, subject to a ceiling of 10% of the total contract value (including all taxes & duties and other charges). If the Liquidated Damage exceeds 10% of the order value, WBEIDCL reserves the right to terminate the contract and WBEIDCL will get the job completed by any other competent party. The difference of cost incurred by WBEIDCL will be recovered from the earnest money deposited by the vendor.

20. Warranty & Maintenance:

- a) Contractor will have to give **3 (three) years** onsite comprehensive warranty on all components including software from the date of go-live of the solution. After completion of comprehensive warranty period WBEIDC may go for fresh AMC with the supplier. Hence bidder should maintain sufficient stock of spares with them even after the expiry of the warranty period.
- b) The Contractor is liable for repairing all or any sort of damage detected during the warranty period completed free of cost.
- c) During the warranty period no active component should be declared “End of Life”. In case it is declared “End of Life” during this period, the vendor has to replace such equipment at their own cost. **A letter of Confirmation by OEM shall be mandatory. The rate should be quoted inclusive of warranty.**
- d) Separate **SLA will be signed with the vendor for warranty & support after supply of the equipment’s.**

21. Penalty

It should be noted that suitable penalty, mentioned under ‘Penalties’ clause of this RFP would be charged to the System Integrator in case of delay from their end and would be finalized in the contract.

22. Suspension of Work

WBEIDCL shall have the power at any time and from time to time by notice to the Contractor to delay or suspend the progress of the work or any part of the work due to any other adequate reasons and on receipt of such notice the contractor shall forthwith suspend further progress of the work until further notice from WBEIDCL. The Contractor shall recommence work immediately after receiving a notice to do so from WBEIDCL. The whole or any part of the time lost for such delay or suspension shall, if WBEIDCL in its absolute discretion thinks fit, but not otherwise, be added to the time allowed for completion.

23. Liability

In case of a default on bidder’s part or other liability, WBEIDCL shall be entitled to recover damages from the Contractor. In each such instance, regardless of the basis on which WBEIDCL is entitled to claim damages from the Contractor (including fundamental breach, negligence, misrepresentation, or other contract or tort claim), Contractor shall be liable for no more than:

- Payment referred to in the Patents and Copyrights clause.
- Liability for bodily injury (including death) or damage to real property and tangible personal property limited to that cause by the Contractor's negligence.
- As to any other actual damage arising in any situation involving non-performance by Contractor pursuant to or in any way related to the subject of this Agreement, the charge paid by WBEIDCL for the individual product or Service that is the subject of the Claim. However, the contractor shall not be liable for
- For any indirect, consequential loss or damage, lost profits, third party loss or damage to property or loss of or damage to data.

For any direct loss or damage that exceeds the total payment for Contract Price made or expected to be made to the Contractor hereunder.

24. Patents & Copyright

If a third party claims that a product delivered by the Contractor to WBEIDCL under this project, infringes that party's patent or copyright, the Contractor shall defend WBEIDCL against that claim at Contractor's expense and pay all costs, damages, and attorney's fees that a court finally awards or that are included in a settlement approved by the Contractor.

25. Intellectual Property Rights (IPR)

All necessary hardware, software, Source Code, Design Document, All Requirement Specification, Hardware Sizing Documents, Test Plan, Test Data, Test Cases, licenses etc. Intellectual Property Rights (IPR) will be in the name of the WBEIDCL.

26. Governing Laws

This contract shall be governed by and interpreted in accordance with Laws in force in India. The courts at Kolkata shall have exclusive jurisdiction in all matters arising under the contract. The Contractor shall keep himself fully informed of all current national, state and municipal law and ordinances. The Contractor shall at their own expense, obtain all necessary permits and licensed and pay all fees and taxes required by law. These will be contractor's entire obligation regarding any claim of infringement.

27. Termination for Default

WBEIDCL may without prejudice to any other remedy or right of claim for breach of contract by giving not less than 30 days written notice of default sent to the contractor, terminate the order in whole or in part. If the contractor materially fails to render any or all the services within the time period specified in the contract or any extension thereof granted by WBEIDCL in writing and fails to remedy its failure within a period of thirty days after receipt of default notice from WBEIDCL. If the project delivery, commissioning as well as maintenance support is not carried out as per terms of the contract, WBEIDCL will invoke the amount held back from the contractor as PBG.

28. Bankruptcy

If the contractor becomes bankrupt or have a receiving order made against him or compound with his creditors or being a corporation commence to be wound up, not being a voluntary winding up for the purpose only or amalgamation or reconstruction, or carry on their business under a receiver for the benefit of their creditors or any of them, WBEIDCL shall be at liberty to terminate the engagement forthwith without any notice in writing to the contractor or to the liquidator or receiver or to any person in whom the contractor may become vested and without any compensation to give such liquidator or receiver or other person the option of carrying out the engagement subject to their providing a guarantee for the due and faithful performance of the engagement up to an amount to be determined by WBEIDCL.

29. Force Majeure

It is hereby defined as any cause, which is beyond the control of the Contractor or WBEIDCL as the case may be, which such party could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affect the performance of the contract, such as

- War, Hostilities or warlike operations (whether a state of war be declared or not), invasion, act of foreign enemy and civil war.
- Rebellion, revolution, insurrection, mutiny, usurpation of civil or military, government, conspiracy, riot, civil commotion and terrorist area.
- Confiscation, nationalization, mobilization, commandeering or requisition by or under the order of any government or de facto authority or ruler, or any other act or failure to act of any local state or national government authority.
- Strike, sabotage, lockout, embargo, import restriction, port congestion, lack of usual means of public transportation and communication, industrial dispute, shipwreck, shortage of power supply epidemics, quarantine and plague.
- Earthquake, landslide, volcanic activity, fire flood or inundation, tidal wave, typhoon or cyclone, hurricane, nuclear and pressure waves or other natural or physical disaster.

If either party is prevented, hindered or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances of the event of Force Majeure within fourteen days after the occurrence of such event. The party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the relevant event of Force Majeure continues and to the extent that such party's performance is prevented, hindered or delayed.

The party or parties affected by the event of Force Majeure shall use reasonable efforts to mitigate the effect of the event of Force Majeure up to its or their performance of the Contract and to fulfil its or their obligation under the Contract but without prejudice to either party's right to terminate the Contract.

No delay or non-performance by either party to this Contract caused by the occurrence of any event of Force Majeure shall.

- Constitute a default or breach of the contract.
- Give rise to any claim for damages or additional cost or expense occurred by the delay or non-performance. If, and to the extent, that such delay or non-performance is caused by the occurrence of an event of Force Majeure.

30. Insurance Coverage

The Bidders at their cost shall arrange, secure and maintain all insurance as may be pertinent to the Works/ Services and obligatory in terms of law to protect their interest and interest of WBEIDCL. The responsibility to maintain adequate insurance coverage at all-times shall be of the bidder alone. The Bidder's failure in this regard shall not relieve them of any of his contractual responsibilities, obligations and liabilities.

31. Corrupt or Fraudulent Practices

The Tender Committee requires that the bidders under this Tender observe the highest standards of ethics during the procurement and execution of such contracts. For this purpose the definition of corrupt and fraudulent practices will follow the provisions of the relevant laws in force.

The Tender Committee will reject a proposal for award if it detects that the bidder has engaged in corrupt or fraudulent practices in competing for the contract in question.

The Tender Committee will declare a firm ineligible, either indefinitely or for a stated period of time, if it at any time determines that the firm has engaged in corrupt and fraudulent practices in competing for, or in executing, a contract.

32. Binding Clause

All decisions taken by the Tender Committee regarding the processing of this tender and award of contract shall be final and binding on all parties concerned. The Tender Committee reserves the right:

- To vary, modify, revise, amend or change any of the terms and conditions mentioned above and,
- To reject any or all the Tender/s without assigning any reason whatsoever thereof or to annul the bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the grounds for such decision.

33. Grafts, Commissions, Gifts, etc.

It is the Purchaser's policy to require that bidders, contractors and consultants under contracts, observe the highest standard of ethics during the procurement and execution of such contracts. Any graft, commission, gift or advantage given, promised or offered by or on behalf of the contractor or his partner, agent, officers, director, employee or servant or any one on his or their behalf in relation to the obtaining or to the execution of this or any other contract with WBEIDCL shall in addition to any criminal liability which it may incur, subject the contractor to the cancellation of this and all other contracts and also to

payment of any loss or damage to WBEIDCL resulting from any cancellation. WBEIDCL shall then be entitled to deduct the amount so payable from any monies otherwise due to the contractor under contract.

34. Enforcement of Terms

The failure of either party to enforce at any time any of the provision of this contract or any rights in respect thereto or to exercise any option here in provided shall in no way be construed to be a waiver to such provisions, rights or options or in any way to affect the validity of the contract. The exercise by either party of any of its rights herein shall not preclude or prejudice either party from exercising the same or any other right it may have hereunder.

35. Period of Validity of Offer

For the purpose of placing the order, the proposals shall remain valid till 180 days from bid submission date. During the period of validity of proposals, the rates quoted shall not change.

36. Taxes & Duties

- **The prices quoted shall be inclusive of all taxes.**
- Deduction of all statutory and necessary Tax from each bill will be made as per Government Order prevailing at the time of payment. Necessary tax deduction certificate will be issued on demand by the Company.
- Bidder submitting a tender shall produce up to date VAT, Income Tax and Profession Taxes Certificate as well as the GST certificate issued by the concerned Tax Authority or a Certificate that the assessment is under consideration. All such clearance certificates shall remain valid on the last date of permission.

37. Discrepancies in Bid

- Discrepancy between description in words and figures, the rate which corresponds to the words quoted by the bidder shall be taken as correct.
- Discrepancy in the amount quoted by the bidder due to calculation mistake of the unit rate then the unit rate shall be regarded as firm.

38. Contacting WBEIDCL

Bidder shall not approach WBEIDC officers beyond office hours and/or outside WBEIDCL office premises from the time of the Bid opening to the time of finalization of successful bidder. Any effort by bidder to influence WBEIDCL office in the decision on Bid evaluation, Bid comparison or finalization may result in rejection of the Bidder's offer. If the bidder wishes to bring additional information to the notice of WBEIDCL, it should be in writing.

39. WBEIDCL'S Right to Reject any or all Bids

WBEIDCL reserves the right to reject any bid and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the grounds for such decision.

40. Bid Currencies

Prices shall be quoted in Indian Rupees, inclusive of all prevailing taxes, levies, duties, cess etc.

41. Price

- Price should be quoted in the Price Bid as per BOQ format only. No deviation in any form in the Price Bid sheet is acceptable.
- Price quoted should be firm, inclusive of all charges, taxes and duties.

42. Canvassing

Canvassing or support in any form for the acceptance of any tender is strictly prohibited. Any bidder doing so will render him liable to penalties, which may include removal of this name from the register of approved Contractors.

43. Non-Transferability of Tender

This tender document is not transferable. Only the bidder, who has purchased this tender form, is entitled to quote.

44. Formats & Signing of Bid

The original and all copies of the proposals shall be neatly typed and shall be signed by an authorized signatory (ies) on behalf of the Bidder. The authorization shall be provided by written Power of Attorney accompanying the proposal. All pages of the proposal, except for un-amended printed literature, shall be initialled by the person or persons signing the proposal. The proposal shall contain no interlineations, erase or overwriting. In order to correct errors made by the Bidder, all corrections shall be done & initialled with date by the authorized signatory after striking out the original words/figures completely.

45. Withdrawal of Bid

Bid cannot be withdrawn during the interval between their submission and expiry of Bid's validity period. Fresh Bid may be called from eligible vendors for any additional item(s) of work not mentioned herein, if so required.

46. Interpretation of documents

If any bidder should find discrepancies or omission in the specifications or other tender documents, or if he should be in doubt as to the true meaning of any part thereof, he shall make a written request to the tender inviting authority for correction/clarification or interpretation or can put in a separate sheet along with his technical bid document.

47. Preparation of Tender

Tender shall be submitted in accordance with the following instructions:

- a) Tenders shall be submitted in the prescribed forms. All signatures shall be in longhand. Where there is conflict between the words and the figures, the words shall govern.
- b) All notations must be in ink or type written. No erasing or overwriting will be permitted. Mistakes may be crossed out and corrections typed or written with ink adjacent thereto and must be initialled in ink by the person or persons signing the tender.
- c) Tenders shall not contain any recapitulation of the work to be done. Alternative proposals will not be considered unless called for. No written, oral, telegraphic or telephonic proposals for modifications will be acceptable.
- d) Tenders shall be delivered to the office as notified on or before the date and time set for the opening of tenders in the Notice Inviting Tenders. The packet of documents including the tender shall be enclosed in sealed envelope having the title of the work and the name of the bidder.
- e) Tenders subject to any conditions or stipulations imposed by the bidder are liable to be rejected.
- f) Each and every page of the tender document must be signed with company seal by the bidder.
- g) Any bidder may withdraw his tender by written request at any time prior to the scheduled closing time for receipt of tenders and not thereafter.

48. Erasures of Alternations

The offers with overwriting and erasures may make the tender liable for rejection if each of such overwriting/erasures/manuscript ions is not only signed by the authorized signatory of the bidder. There should be no hand-written material, corrections or alterations in the offer. Technical details must be completely filled up. Correct technical information of the product being offered must be filled in. Filling up of the information using terms such as “OK”, “accepted”, “noted”, “as given in brochure/manual” is not acceptable. The Customer may treat offers not adhering to these guidelines as unacceptable. The Customer may, at its discretion, waive any minor non-conformity or any minor irregularity in the offer. This shall be binding on all bidders and the Tender Committee reserves the right for such waivers.

49. Compliance with Law

The contractor hereto agrees that it shall comply with all applicable union, state and local laws, ordinances, regulations and codes in performing its obligations hereunder, including the procurement of licenses, permits certificates and payment of taxes where required.

The contractor shall establish and maintain all proper records (particularly, but without limitation, accounting records) required by any law, code/practice of corporate policy applicable to it from time to time including records and returns as applicable under labour legislation.

50. Clarification of Bids

During evaluation of the bids, the Customer/Tender Committee, at its discretion may ask the bidder for clarification of its bid. The request for the clarification and the response shall be in writing (fax/email) and no change in the substance of the bid shall seek offered or permitted.

51. Quality Control

- The contractor is obliged to work closely with WBEIDCL officials, act within its authority and abide by directive issued by them on implementation activities.
- The contractor will abide by the safety measures and WBEIDCL will not liable from all demands or responsibilities arising from accident/loss of life, the cause of which is due to their negligence.
- The contractor will treat as confidential all data and information about the system, obtained in the execution of its responsibilities in strict confidence and will not reveal such information to any party without the prior written approval of WBEIDCL.
- WBEIDCL reserves the right to inspect all phases of contractor's operation to ensure conformity to the specifications. WBEIDCL shall have engineers, inspectors or other duly authorized representatives made known to the contractor, present during the progress of the work and such representatives shall have free access to the work at all times. The presence or absence of representatives of WBEIDCL does not relieve the contractor of the responsibility for quality control in all phases.
- The Court of Kolkata only will have the jurisdiction to deal with and decide any legal matters or dispute whatsoever arising out of the contract.

52. Authentication of Bids

The Proposal should be accompanied by a power-of-attorney in the name of the signatory of the Proposal.

53. General Terms

- a) All the pages of the bid document including documents submitted therein must be duly signed and stamped failing which the offer shall be liable to be rejected.
- b) All pages of Bid submitted by the bidder should have serial number with proper indexing.
- c) All the documents to be submitted by the bidder along with their offer should be duly authenticated by the person signing the offer and if at any point of time during procurement process or subsequently it is detected that documents submitted are forged/tampered/manipulated in any way, the total responsibility lies with the bidder and WBEIDCL reserves the full right to take action as may be deemed fit including rejection of the offer and such case is to be kept recorded for any future dealing with them.
- d) Details of the enclosures should be clearly mentioned in the forwarding letter in your letter head along with the bid.
- e) No Technical/Commercial clarification will be entertained after opening of the tender.

- f) Quantity mentioned in the tender document is indicative only and orders shall be placed subject to actual requirement. WBEIDCL reserve the right to increase or decrease the quantity specified in the tender.
- g) WBEIDCL reserve the right to reject or accept or withdraw the tender in full or part as the case may be without assigning the reasons thereof. No dispute of any kind can be raised the right of buyer in any court of law or elsewhere.
- h) WBEIDCL reserve the right to ask for clarification in the bid documents submitted by the bidder. Documents may be taken if decided by the committee.
- i) The customer at its discretion may extend the deadline for the submission of Bids.
- j) No dispute by the bidders in regard to Technical/Commercial points will be entertained by WBEIDCL and decision taken by the Tender Committee will be final.
- k) Discrepancy in the amount quoted by the bidder due to calculation mistake, the unit rate shall be regarded as firm and the totalling or carry in the amount quoted by the bidder shall be corrected accordingly.
- l) Bidder must submit a separate sealed envelope containing a letter of complying the eligibility criteria otherwise the bid of the bidder will not be accepted.
- m) The price offers shall remain firm within the currency of contract and no escalation of price will be allowed.
- n) The acceptance of the tender will rest with the accepting authority and reserves the right to reject in part or in full any or all tender(s) received and to split up the work among participants without assigning any reason thereof.
- o) The price offers shall remain firm within the currency of contract and no escalation of price will be allowed.
- p) The bidder must be present at the time of opening of the Tender. WBEIDCL is not answerable to any query of any bidder who remain absent at that time.
- q) No variation in or modification of the terms of the Agreement shall be made except by written amendment signed by the parties.
- r) Tender documents are not transferable. Bidders must buy the tender documents in their own name.

54. Delivery/Completion of Work

The delivery/completion of work period shall in no case exceed **31st March 2021** of the issuance of Work Order. WBEIDC reserve the right to extend the delivery period against any satisfactory reason thereafter.

55. Supply of Stores/Execution of Work

- a) The Contractor shall be liable to supply/execute the tendered item as per agreement mutually agreed upon against placement of order of supply from time to time by the WBEIDC within the time specified in the respective order. The WBEIDC reserves the right for placement of Supply/Firm

Order at any time during the validity period of the LoI and the Contractor is bound to supply the tendered item as per accepted rate of the respective tender.

- b) If the Contractor by any cause, other than his own neglect or default, be prevented or delayed from supplying items/goods as aforesaid, the periods provided in clause may be extended by the WBEIDC on being satisfied that reasonable grounds exist for such delay.
- c) The Contractor shall provide, at his own expense, all tools, plant, implements, packing, coolie hire charges etc. as will be necessary for the due performance of the contract. No claim on these accounts shall be entertained.
- d) Random Testing of the delivered items will also be done at the time of Acceptance at the expense borne by the bidder.
- e) Hard & Soft Copies of operating & technical literature both in English are required at the time of supply of the stores.

56. Work Completion & Liquidated Damages

In case of non-completion of work within **31st March 2021**, WBEIDC shall be entitled to levy and recover Liquidated damages/penalty @0.5% on the total project cost per week or part thereof of the delay subject to maximum 10% of work order if the delay is intentional. However, if the delay is due to any circumstances beyond the control of the contractor no such liquid as per discretion of the authority. Any delay beyond **06 months** may result in cancellation of supply order and forfeiture of SD.

57. Training & Technical Support

- a) The after- sale training, technical support during Installation/Warranty for the tendered item(s) should be done by the Contractor “Free of Cost” as per requirement.
- b) Training to be done by OEM certified engineer(s).
- c) **An Undertaking should be submitted along with the bid.**

58. Payment

- a) The process of payment will be initiated only after receiving a satisfactory certificate by the Acceptance Committee to be formed for this purpose after completion of supply/work.
- b) The mode of payments to be made on back to back basis in consideration of the work to be performed by the bidder shall be as follows:
 - 40% of the total project cost – On completion of supply.
 - 40% of the total project cost – On completion of installation & commissioning.
 - 20% of the total project cost – After Go-Live of the project.

Note: After implementation / installation of line items, payment will be done actual basis based on the price discovered through this tender.

59. General Obligations of the Bidder

- a) The Bidder shall provide all such information as may reasonably be necessary to effect as seamless a handover as practicable in the circumstances to the WBEIDCL and which the Bidder has in its possession or control at any time during the exit management period.
- b) For the purposes of this Schedule, anything in the possession or control of any Bidder is deemed to be in the possession or control of the Bidder.
- c) The Bidder shall commit adequate resources to comply with its obligations under this Exit Management Schedule.

60. Exit Management Plan

- a) The Bidder shall provide the WBEIDCL with a recommended exit management plan ("Exit Management Plan") which shall deal with at least the following aspects of exit management in relation to the MSA as a whole and in relation to the Project Implementation, and the Operation and Management SLA.
 - i. A detailed program of the transfer process that could be used in conjunction with a Replacement Bidder including details of the means to be used to ensure continuing provision of the services throughout the transfer process or until the cessation of the services and of the management structure to be used during the transfer;
 - ii. plans for the communication with such of the Bidder's staff and any related third party as are necessary to avoid any material detrimental impact on the WBEIDCL's operations as a result of undertaking the transfer;
 - iii. Plans for provision of contingent support to WBEIDCL for a reasonable period after transfer.
- b) The Bidder shall re-draft the Exit Management Plan annually thereafter to ensure that it is kept relevant and up to date. Each Exit Management Plan shall be presented by the Bidder to and approved by the WBEIDCL.
- c) In the event of termination or expiry of MSA, and Project Implementation, each Party shall comply with the Exit Management Plan. During the exit management period, the Bidder shall use its best efforts to deliver the services.

This Exit Management plan shall be furnished in writing to the WBEIDCL within 90 days from the Effective Date of this Agreement.

61. Type of Bid

The tender shall comprise of two-bid systems namely –

- a) **Technical (Pre-Qual/Technical)** - The technical bid consisting of all technical details along with commercial terms and conditions;
- b) **Financial (Finance)** – Financial bid indicating item-wise price for the items mentioned in the BoQ.

62. Submission of Bids

Tenders are to be submitted online within the prescribed date & time using the Digital Signature Certificate (DSC).

a) Technical Proposal – Scanned documents (.PDF) will have to be uploaded under the cover named **“Fee/PreQual/Technical”** containing the following folders:

- i. **EMD/Exemption Certificate** (i.e. proof of RTGS/NEFT or SSI/NSIC/MSME certificates),
- ii. **NIT** (i.e. scanned copy of NIT),
- iii. **Technical Documents** (i.e. Compliance of Technical Specifications, Product Catalogue/Brochure etc.),
- iv. **Other Important Documents (OID)** – The following documents must be uploaded, otherwise bids could not be submitted online:

Sl. No.	Category Name	Sub-Category Description	Detail(s)
A.	Certificate(s)	Certificate(s)	<ul style="list-style-type: none"> • GSTIN • PAN • P Tax (Challan) • IT Acknowledgement in last three years. • Bank Solvency
B.	Company Detail(s)	Company Detail	<ul style="list-style-type: none"> • Proprietorship Firm (Trade License) • Partnership Firm (Partnership Deed, Trade License) • Ltd. Company (Incorporation Certificate, Trade License) • Society (Society Registration Copy, Trade License)
C.	Credential	Credential	<ul style="list-style-type: none"> • Work Completion Certificates • Payment Certificates
D.	Financial Info	P/L and Balance Sheet	<ul style="list-style-type: none"> • Balance Sheet (Last 3 years). • Profit & Loss A/c (Last 3 years).
E.	Declaration	Declaration	<ul style="list-style-type: none"> • Undertaking Regarding Non-Blacklisting to be submitted as per Annexure – II. • Undertaking regarding acceptance of Terms & Conditions of NIT as per Annexure – I.

Sl. No.	Category Name	Sub-Category Description	Detail(s)
F.	Manpower	Employee/ Technical Personnel	<ul style="list-style-type: none"> Self-Declaration

- v. **Other Documents** – (i.e. documents are not listed in the Table above),
- vi. **Checklist for the RFP-** (as per Annexure - VII).

b) Financial Proposal –

Financial bid should be uploaded under the cover named “Finance” containing the folder BOQ.

- i. The bidder is to quote the rate online through computer in the space marked for quoting rate in the BOQ. The base price (rate per unit) shall be quoted in the space earmarked for the same. Tax and duties shall have to be mentioned separately in the columns provided for the purpose. Defective financial bid will be rejected summarily.
- ii. The BOQ must not be modified/replaced by the bidder. The bidder should upload the downloaded BOQ after filling the relevant columns; else the bidder is liable to be rejected for that tender. Bidders are allowed to enter the “Bidder Name” and “Values” only.

63. General Information :

- i. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority [DPIIT OM No.6/18/2019-PPD dated 23.07.2020].
- ii. “Bidder” (including the term ‘tenderer’, ‘consultant’ or ‘service provider’ in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- iii. “Bidder from a country which shares a land border with India” for the purpose of above mentioned Order means:
 - a. An entity incorporated, established or registered in such a country; or
 - b. A subsidiary of an entity incorporated, established or registered in such a country; or
 - c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - d. An entity whose beneficial owner is situated in such a country; or
 - e. An Indian (or other) agent of such an entity; or

- f. A natural person who is a citizen of such a country; or
 - g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above
- iv. The beneficial owner for the purpose of (iii) above will be as under:
- a. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.
Explanation—
 - “Controlling ownership interest” means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company;
 - “Control” shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;
 - b. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
 - c. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
 - d. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
 - e. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- v. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.
- vi. The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

64. EMD Exemption :

Firms registered as a Small-Scale Industry/MSME/NSIC/C&SSI Department, West Bengal may, however, be exempted from depositing Earnest Money on production of satisfactory documents in support of their claim.

65. Margin of Purchase preference & procedure for preference to Make in India:

- i) The margin of purchase preference shall be 20%.
- ii) The “Class-I local supplier” shall get purchase preference over “Class-II local supplier” as well as “Non-Local supplier”, as per following procedure:
 - a) Among all qualified bids, the lowest bid will be termed as L1. If L1 is “Class-I local supplier”, the contract will be awarded to L1.
 - b) If L1 is not “Class-I local supplier”, the lowest bidder among the “Class-I local supplier”, will be invited to match the L1 price subject to Class-I local supplier’s quoted price falling within the margin of purchase preference, and the contract shall be awarded to such “Class-I local supplier” subject to matching the L1 price.
 - c) In case such lowest eligible “Class-I local supplier” fails to match the L1 price, the “Class-I local supplier” with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the “Class-I local supplier” within the margin of purchase preference matches the L1 price; the contract may be awarded to the L1 bidder.
 - d) “Class-II local supplier” will not get purchase preference in any procurement undertaken by procuring entities.

Section - B: Eligibility Criteria

ELIGIBILITY CRITERIA FOR BIDDER

1. Company Registration

The responding Bidder should be registered under statutes of India. The organization should be of repute and be incorporated/registered in India. Relevant documents in this regard needs to be submitted.

2. Trade Licence/Professional Tax/IT Return

The responding Bidder should have valid Trade Licence (if applicable) issued by the competent authority for similar type of works and also valid Professional Tax Certificate & Income Tax Clearance Certificate. Relevant documents in this regard needs to be submitted.

3. Undertaking Regarding Blacklisting

- a) The bidder should not have been blacklisted by any Central/State Government/Public Sector Undertaking, Ministry or Agency in any country for breach of ethical conduct or fraudulent practices during last five years. An undertaking in this regard should be submitted by the bidder in the form of affidavit (Annexure-II), otherwise the bid shall be summarily rejected.
- b) If the selected firm is found/detected Blacklisted by any Central/State Government/Public Sector Undertaking (for the tendered item or any other item) at any stage of procurement process, the acceptance of the selected firm and/or the supply order etc., if issued would be treated as cancelled and the contract in whole will be terminated with immediate effect without any intimation to the concerned firm.
- c) In this case the EMD/SD will be forfeited and the WBEIDC reserves the right to initiate the proceedings against the selected vendor. In this regard, the WBEIDC reserves the right to select the second lowest (L2) vendor for supply of the tendered item. The decision taken by WBEIDC authority in the matter will be treated as full & final in this regard. The bidders will have to furnish an undertaking in this matter in the form as given in Annexure-II.

4. Undertaking Regarding Acceptance of the Terms & Conditions.

The bidders shall have to submit an undertaking regarding acceptance of the Terms & Conditions of the NIT in Annexure-I.

5. Insolvency/Criminal Activities

In case of partnership/another firm –

- a) None of the partners/owner should be insolvent, in receivership, bankrupt or being wound up and their affairs are not being administered by the Court or a judicial officer, their business activities have not been suspended and subjected to any legal proceedings.

- b) None of the partners/owner should have been convicted of any criminal offence related to professional conduct or of the making of false statement or misrepresentation as to their qualifications.
- c) The act of the breach of performance of the contract by any of the partners shall be binding on the firm.

6. No Consortium is allowed

The bids shall be submitted by only the bidder; No Consortium is allowed in this bid. Declaration in this regard needs to be submitted.

7. Annual Turnover

The bidder should have minimum average Annual Turnover of Rs. **10.0 Crore** in last three financial years (FY 2017-2018, 2018-2019 and 2019-2020). Turnover of consortium together will not be considered together. A certificate from Chartered Accountant should be attached stating the annual turnover.

8. Credentials

Documents of Credential of Bidder in the form of work completion certificates & payment

Certificates of executing similar nature of works done in any Govt. Department / Quasi Govt. Dept. / PSU / Board / Council/ Large corporate or similar organization in last 3 financial years.

9. Bidders Criteria/ Work Experience:

- The bidder should have executed at least 1 single order of similar nature of jobs of Rs.3 Crore or 2 similar nature of jobs of Rs.1.5, Crore each or 3 similar kind of job of Rs.1 Crore each at any Govt. Department / Quasi Govt. Dept. / PSU / Board / Council/ Large corporate or similar organization in last 3 financial years.
- Work Order copies along with job completion certificate from the customer duly self-attested are to be submitted.
- In case of non-availability of attestation from Gazetted Officer, the bidder will have to produce original document for verification, without which the bid will be treated as non-responsive and summarily rejected.

10. Mandatory Certification

The bidder should have ISO 9001:2008 or latest certification. The bidder has to ensure that the certificate remains valid during the life cycle of the project. The copy of the valid certificate has to be submitted by the bidder.

11. PAN No.

The bidder should have in its name PAN (Permanent Account Number) with Income Tax authority in India.

12. Goods & Services Tax (GST)

The bidder should have Goods & Services Tax Identification Number (GSTIN) in India in its name.

13. Employees/Manpower under the Bidder

The bidders should have sufficient no. of technically qualified support staff on their roles. A declaration in this respect has to be submitted.

14. Authorization/OEM Certificate

- a) Original Equipment Manufacturer (OEM) is defined as the developer of Commercial off-the-shelf or commercially available off-the-shelf (COTS) product who hold the intellectual property rights for the same.
- b) OEM producing the item proposed by the bidder shall not have been blacklisted by any State/Central Government Department or Central/State PSUs as on bid submission date.
- c) Copy of Tender Specific Authorization Certificate from Manufacturer/Authorised Dealer should be submitted (Annexure-IV) for all products to be supplied otherwise the bid may be rejected.
- d) OEM Criteria:

Sl. No.	To Pre-qualify Software Manufacturer should satisfy the Eligibility Criteria mentioned below.
1	The OEM must not be blacklisted or banned by any State/Central Government, Semi-Government or PSU and any other GOVT. organization in INDIA and Globally.
2	The Country of origin of the OEM should not have strained trade relation with INDIA.
3	The OEM should have a presence in INDIA for the last three (3) years and should have been an online dedicated support centre in INDIA.
4	The OEM should have experience in a similar field of the job (in video analytics). Supporting Document of such work is required.

Sl. No.	To Pre-qualify CCTV Manufacturers should satisfy the Eligibility Criteria mentioned below.
1	The OEM should have a presence in INDIA for last Three (3) years with fully equipped repair and maintenance centre along with R&D lab in INDIA.
2	OEM should have a Quality Management System ISO 9001:2015 certified and Information Security Management System ISO/IEC 27001: 2013 or equivalent certified. Certificate Documents needed to be attached along with the bid.

3	The OEM authorized vendor should have a minimum turnover of Rs. 50.00 Crores in each of the last 3 financial years in INDIA.
4	The OEM should have a manufacturing experience of Three (3) years in INDIA or Globally. Certificate Documents needed to be attached along with the bid.
5	The MAC Addresses of the IP Cameras must be registered in the name of the OEM supplying the Cameras.
6	The OEM must not be blacklisted or banned by any GOVT. organization in INDIA or Globally.
7	The OEM should not have been BLACKLISTED or BANNED or suspended by ONVIF.
8	All systems and components must be in compliance with CE, FCC and UL/EN certifications. Copy of the UL/EN certification shall be submitted

Sl. No.	To Pre-qualify Passive Component Manufacturers should satisfy the Eligibility Criteria mentioned below.
1	OEM preferably have one RCDD certified technical manpower in INDIA and regional technical manpower based in West Bengal, for design and product support. Name with the designation of the manpower to be confirmed by OEM.
2	OEM Should be ISO9001 and ISO14001 certified for design, Development for LAN & WAN products.
3	OEM shall have ISO 9001:2008 and 14001 certified manufacturing facility in INDIA.
4	All components shall be ROHS compliant. Declaration of ROHS shall be available in product datasheets.
5	The OEM must not be blacklisted or banned by any GOVT. organization in INDIA or Globally.

15. Proprietary Article Certificate

In case the bidder is **OEM** i.e. Manufacturing Units, he will have to submit authentic documents/ Propriety Article Certificate.

16. Verification of local content

- a) Supplier should give an undertaking as per Public Procurement (Preference to Make in India, Order 2017) whether it falls under the category of 'Class-I local supplier'/'Class-II local supplier' and complying with the order or otherwise.
- b) The 'Class-I local supplier'/'Class-II local supplier' at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide **self-certification** that the item offered meets the local content requirement for 'Class-I local supplier'/'Class-II local

supplier', as the case may be. **They shall also give details of the locations(s) at which the local value addition is made.**

- c) In case of procurement for a value in excess of Rs.10.0 Crores, the 'Class-I local supplier'/'Class-II local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
- d) False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.
- e) A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference for procurement by any the procuring entity for the duration of the debarment.

17. Solvency Certificate:

The Bidder should submit a Solvency Certificate from a Nationalize Bank/CA.

18. Incorporation certificate

The bidder should provide the certificate of incorporation under Company Act 1956.

19. Locations of Service Centres:

The bidder must have at least 1 registered service centre for COMMUNICATION in KOLKATA, WEST BENGAL and service centres in at least 1 locations in WEST BENGAL Supporting documents for existence of Service Centre(s) has to be attached with the tender document.

20. No part Bid allowed

Bidders have to quote all the items mentioned in tender document. No part bid will be accepted. Otherwise, the bid(s) will be treated as cancelled.

Note: In absence of any of the above, the bid will be treated as non-responsive and summarily rejected.

Section-C: Technical Evaluation Criteria

1. Evaluation of Technical Bids

- a) Technical Evaluation of the bids would be carried out based on the criteria of the Bidder as mentioned in the table below -
 - i. Bidder’s Strength & Technical Capabilities (50 Marks)
 - ii. Technical Presentation/ Demonstration (50 Marks)
- b) For each of the citations that the bidder will furnish to support the criteria mentioned in the table below, bidder is required to submit the relevant supporting documents (work orders / client certificates / completion certificate / payment certificate / statutory auditor’s certificate / invoices etc.).
- c) Above mentioned evaluation criteria would be divided into various sub-criteria, mentioned as follows.

A. Bidder’s Strength & Technical Capabilities (50 Marks)

#	Technical Evaluation Criteria	Description	Max Marks
A1	Average Annual Turnover in last three financial years (FY 2017-2018, 2018-2019 and 2019-2020).	Minimum 10 Cr = 5 marks Each additional 1 Cr will get 1 marks with maximum 10 Marks	10
A2	Bidder’s Understanding of the Project requirements	To be evaluated from the technical proposal documentation and technical presentation/demonstration to the TEC. Following parameters will be examined for evaluation: <ul style="list-style-type: none"> • Clarity and depth of understanding of the project’s objectives, scope and requirements • Bidder’s understanding of the VC solution and how the project components would be delivered to meet the project objectives 	5
A3	Approach & Methodology (A& M)	<ul style="list-style-type: none"> ▪ To be evaluated from the technical proposal documentation and technical presentation/ demonstration to the TEC. ▪ TEC shall evaluate the Approach and Methodology for the Implementation plan proposed by bidder. ▪ Completeness of the A&M to meet the requirements of the RFP 	5

		<ul style="list-style-type: none"> ▪ Risks identification and proposed mitigation plan ▪ Testing Approach: <ul style="list-style-type: none"> ✓ Performance Testing (Response time definition on predefined load) ✓ Integration Testing 	
A3	Compliance to specified Technical requirements	<p>Compliance to Technical Specifications as mentioned in Section- F (Technical Specifications). Marks will be computed as follows:</p> <ul style="list-style-type: none"> • Fully Compliant (Y) = 1 Mark • Non-Compliant (N) = No Marks <p>Marks will be awarded for all requirements as per the above marking scheme and the total shall be pro-rated against a maximum score to arrive at the final score.</p>	30

Note:

- i. **The bidder has to mention origin of manufacturer against each mentioned in this document.**
- ii. **WBEIDC will notify the name of the eligible vendor in their website**

B. Technical Presentation/ Demonstration (50 Marks)

- a) The eligible bidders will be asked to give a live demonstration on the proposed VC Solutions. The Proof of Concept should depict how it proposes to handle point to point video conferencing to the end users. The bidder's technical proposal would be evaluated on the basis of the documents submitted along with this presentation.
- b) The demonstration of the item/equipment/solution will have to be arranged by the bidder before the Tender committee during technical evaluation on a convenient date after opening of the technical bid. If any or all the items/equipment are not found suitable and/or up to the mark by the members of the Tender Committee, the same shall be liable to be rejected. The decision of Tender Committee and/or any other Committee constituted for the purpose will be taken as final. The bidder is liable for the cost of equipment/product of demonstration and the demonstrated item(s) will not be accepted.

2. Selection Method

The evaluation committee will evaluate each of the bids on the basis of Technical Evaluation criteria. At the stage of technical evaluation, evaluation committee will assign points (quality of services score) to the pre-qualified bidders based on the technical evaluation criterion mentioned in this RFP.

To qualify the technical evaluation stage, the bidder must score a minimum of 70 marks.

The commercial bid of the technically qualified bidders will then be opened and reviewed to determine whether the commercial bids are substantially responsive in respect of commercial considerations. **The evaluation will be made on the basis of QCBS with 80:20 ratio, where the weightage on the Technical part will be 80 percent and the 20 percent weightage to be given in commercial.** The bidder with the highest total score would be declared successful.

The cost indicated in the Commercial Proposal shall be deemed as final and reflecting the total cost of services and should be stated in INR only. The lowest Commercial Proposal (Fm) will be given a score (Sf) of 100 points.

The Financial scores (Sf) of the other Commercial Proposals will be determined using the following formula:

$$Sf = 100 \times Fm/F;$$

In which Sf is the Commercial score, Fm is the lowest Commercial Proposal, and F is the Commercial Proposal (in INR) under consideration.

Proposals will be finally be ranked in accordance with their combined technical (St) and financial (Sf) scores:

$$S = St \times Tw + Sf \times Fw;$$

Where S is the combined score, and Tw and Fw are weights assigned to Technical Proposal and Commercial Proposal that will be in the ratio of 0.80:0.20.

For Additional information/clarification (if reqd.), WBEIDC reserves the right to ask for any additional information. Bidders that fail to submit additional information or clarification as sought by evaluation committee within 10 days of the receipt of letter requesting for such additional information and/or clarification from WBEIDC, their bids will be evaluated based on the information furnished along with the bid proposal.

Section-D: Scope Of Work

Scope of Work:

Vendor should ensure supply, installation, commissioning, maintenance and warranty support for all onsite components of Video Conferencing Solution (hardware, software, license, firmware, middleware and other peripherals etc.) preferably from same OEM along with its integration with existing video conferencing infrastructure, if any. The solution should be supplied, delivered, and commissioned within 90\120 Days from the date of purchase order at the location tentatively detailed as per Appendix-I under Section-G, during normal office hours and as per the time schedules mentioned in the purchase order. The Broad Scope of work will include but not restricted to the following:

- A. Providing total Video Conferencing solution which would cover supply, installation and operationalization of the hardware, all necessary application software with **3 (three) years** comprehensive warranty on all components including software from the date of go-live of the solution with back to back support from the OEM.
- B. WBEIDC expects bidder for end to end implementation of proposed VC solution. All necessary connecting cables and other equipment need to be provided by the bidder at their own cost.
- C. The complete VC infrastructure to be supplied as per this tender, including Video Conferencing Solution (hardware, software, license, firmware, middleware and other peripherals etc.) should be from the same OEM. However display units, video streaming and recording can be from different OEMs subject to full support for all operations of the integrated unit from the bidder for the entire contract period. Manufacturer Authorization Form to be submitted from all the respective OEMs involved in the contract / RFP as per the MAF mentioned in Annexure-IV.
- D. WBEIDC reserves the right to shift the equipment to a suitable location/s depending upon the need during the contract period. If the movement of the VC equipment is within the same city, the bidder will arrange for such shifting and subsequent installation, configuration and integration of the VC equipment/s with no additional cost. If the movement is to a different city, cost involved will be at mutual agreed prices.
- E. Delivery locations are mentioned in Appendix-I under Section-G.
- F. In case the bidder has not indicated any peripherals /equipment in their proposed solution and if these are required for the successful implementation of the VC solution, the successful bidder has to provide the required peripherals/equipment at no additional cost to WBEIDC.
- G. Required technical details / brochure of all the products offered by the Bidder duly supported by schematic diagrams and technical specifications of each component offered should be furnished as part of the Technical Bid.
- H. The Successful bidder and OEM should have local support troubleshooting.
- I. Whatever Network configuration required for the successful implementation of VC solution has to be done the bidder.

- J. The Successful bidder has to ensure installation of the updates and upgrades for the VC solution as and when released by the OEM during the contract period.
- K. Vendors are expected to offer solutions covering all the functionality as mentioned in this RFP document. Incomplete responses will not be considered and no correspondence in this regard will be entertained.
- L. The onsite support personnel should extend the VC support on holidays, if required.
- M. The vendor shall provide a detailed escalation matrix to WBEIDC for all category of support calls.
- N. The onsite support Personnel should re-install/ reconfigure any component/ system of the VC solution supplied by the vendor, if required.
- O. List of VC facility required for various locations is mentioned below:

Sl. No.	Correctional Homes	No. of VC Facility
1	Dumdum Central	19
2	Alipore Women's	02
3	Presidency Central	18
4	Baruipur Central	19
	Total	48
Sl. No.	Courts	No. of VC Facility
1	Sealdah	11
2	Municipal Magistrates	4
3	City Sessions	8
4	Metropolitan Magistrate	23
5	Alipore Judges	39
	Total	85
	Total VC Facilities	133

Section– E: Project Timeline & Payment

1. Work Completion & Liquidated Damages

In case of non-completion of work within **90 / 120days**, WBEIDC shall be entitled to levy and recover Liquidated damages/penalty @0.5% on the total project cost per week or part thereof of the delay subject to maximum 10% of work order if the delay is intentional. However, if the delay is due to any circumstances beyond the control of the contractor no such liquid as per discretion of the authority. Any delay beyond **06 months** may result in cancellation of supply order and forfeiture of SD.

2. Payment

- a) The process of payment will be initiated only after receiving a satisfactory certificate by the Acceptance Committee to be formed for this purpose after completion of supply/work.
- b) The mode of payments to be made on back to back basis in consideration of the work to be performed by the bidder shall be as follows:
 - 40% of the total project cost – On completion of supply.
 - 40% of the total project cost – On completion of installation & commissioning.
 - 20% of the total project cost – After Go-Live of the project.

Note: After implementation / installation of line items, payment will be done actual basis based on the price discovered through this tender.

Section– F: Bill of Materials & Technical Specifications

i. Bill of Materials:

Sl No	Description	Type	Qty	Unit
1	CPU for Correctional home	i7 (8 th Gen), 16GB DDR4, 2666MHz, 1 TB SATA HDD, 512 GB SSD, 24" Display	48	Nos
2	CPU for Court Room	i7 (8 th Gen), 16GB DDR4, 4 GB dedicated Graphics, 2666MHz, 1 TB SATA HDD, 512 GB SSD, 24" Display	85	Nos
3	Software	Video Conference Software(133 user)	1	Lot
4	Display for Court Room(49")		85	Nos
5	Headphone+ Mic for Correctional homes		96	Nos
6	Speakerphone for Court Room	Table Top	85	Nos
7	Camera for Correctional home	10x Zoom (Digital)	48	Nos
8	Camera for Court Room	10x Zoom (Digital)	85	Nos
9	UPS	1 KVA	79	Nos
10	UPS	3KVA	4	Nos
11	UPS	6 KVA	3	Nos
12	Power Cable	1.5 Sq mm	2370	Nos
13	Power Cable	4 Sq mm	300	Nos
14	Table	CPU Table	133	Nos
15	PDU with CB	3 Socket 1 MCB	218	Nos
16	16 Port Network Switch	16 Port Network Switch	7	Nos
17	8 Port Desktop Switch	8 Port Desktop Switch	16	Nos
18	9U Rack	9U Network Rack	16	Nos
19	Cat 6 Cable	Cat 6 Cable with conduit	3355	Mtr

Sl No	Description	Type	Qty	Unit
20	Air Condition	2 Ton(Standard Make)	13	Nos
21	Electrical & Civil Job		1	Lot
22	Installation & Commissioning	Installation & Commissioning	1	Job

Note :

- 1) Unpriced BILL OF MATERIALS must be submitted by all participating bidders as mentioned (mentioning exact make/ model, no. of units & others) in the tender document otherwise the bid shall liable be rejected.

ii. Technical Specification:

Software		
Items	Technical Specification	
Package	Software based Scalable Video Collaboration Solution to be supplied with 99.9% uptime	
Capacity	The solution must support virtual Classroom with minimum 100 participants joined from various devices with minimum support of devices based on iOS, Android, Mac or Windows Operating Systems	
Continuous Presence	Shall Support Continuous presence of 49 onscreen videos through PC and Mac during Meeting mode and 10 onscreen videos during Classroom Mode	
Resolution	The solution must support 1080p30fps HD resolution	
Protocols	The solution must support standard based Audio Video Codec system like H.264 and G.711	
	The solution should support content sharing in HD resolution	
	It should support wide Audio bandwidth with crystal clear audio	
	The system must support voice activated video & Control.	
	Automatic Gain Control and AEC	
Security	The solution must support secure and encrypted Communication with SSL Encryption.	
	Solution must have Unique Personal ID for every session for each participant to keep the meeting Secure. Those IDs must not be shareable	

Software		
Items	Technical Specification	
	Host Controllable Global Audio/Video Mute of all Participants in a session	
	Host Control to disable screensharing, whiteboard option of remote participants	
	Remote participants must be invited or added in meeting by Host Only	
	Session must not be recorded by third party Recording / Screen Capture Software.	
Collaboration Feature	Shall support BYOD Collaboration allowing participants to join a virtual session from multiple devices such as PCs, Handheld Mobiles and Tablets and other Standard based Video Conferencing Systems	
	System should have Private and Public chat service. Same can be used for text-based Q & A during live video collaboration	
	It should allow automatically bandwidth management so that participant with minimum bandwidth can also join the session	
	It should be integrated into a single interface all services (voice, video, Chat and data sharing).	
	Host rights must be interchangeable between the session participants.	
	Shall support file transfer during meeting	
	It must allow unlimited software download from the server	
	Solution must have Scheduled, Ad-hoc, Meet Now options	
	System must have Interactive Whiteboarding feature allowing all participants to annotate on same screen. Annotation tools also must be available for Shared screen/ Presentation without launching white board	
	Solution must have High quality Video File Sharing with Play/Pause Control option	
	System shall allow Simultaneous Video File Share and Presentation sharing from another user at same time	
	It must support multi-network communication and collaboration via UDP, TCP and IP networks	
	Monitoring and control platform must Provide a powerful and elegant user interface on any browser	
	Must support Web server protocols: HTTP and HTTPS	
	System must allow host to take Remote PC Control during meeting	
Should support one-on-one and in groups collaboration with integrated file sharing, searchable archives, and user presence information		

Software		
Items	Technical Specification	
	The Solution Shall support collaboration features including file sharing, recording, whiteboarding, annotation, chat, Notes and meeting minutes	
	Should have public and private channel feature, organized by topic, that can be	
	User must have access to Search, store all collaboration, agendas and notes to messages and documents, whiteboards and session recordings	
	Should support Playback of video files from standard Media Player. It also must have interactive recording and playback feature	
	The Collaboration suit must support 4 Camera connection from single user such as Presenter Cam, Document Cam, Interactive Tablet, Audience View and all 4 Camera feed must be available to send to remote participants	
	The Collaboration suit must support 3 Video Monitor out-put for life real tele-presence experience. Enabling Dedicated screen for Active Talker, Presentation and Grid View	
	Support unified AV network management platform to monitor, control, and audit Pro Audio and Video products and services	
	Manufacturing Authorization letter should be attached with tender	

Camera for Court Room		
Items	Technical Specification	
Resolution	1080P Full HD	
Sensor	1/2.7" CMOS	
Effective Pixel	2 MP or better	
Scanning Mode	Progressive	
Focal Length	f=2.8mm	
FOV	120° or better	
Minimal Illumination	0.05 Lux @ (F1.8, AGC ON)	
Shutter Speed	1/30s – 1/10000s or better	
White Balance	Automatic or Manual	
Backlight Compensation	Need to be supported	
Digital Noise Reduction	2D, 3D	

Camera for Court Room		
Items	Technical Specification	
Compression Support	H.265 / H.264 / MJPEG	
Frame Rate	30 FPS	
Communication Protocol	UVC 1.0 / UVC 1.5	
OS Support	Windows 10 or latest	
MAF	Manufacturing Authorization letter should be attached with tender	

Camera for Correctional home		
Items	Technical Specification	
Resolution	1080P Full HD	
Sensor	1/2.7" CMOS	
Effective Pixel	2 MP or better	
Scanning Mode	Progressive	
Focal Length	f=2.8mm	
FOV	90° or better	
Minimal Illumination	0.05 Lux @ (F1.8, AGC ON)	
Shutter Speed	1/30s – 1/10000s or better	
White Balance	Automatic or Manual	
Backlight Compensation	Need to be supported	
Digital Noise Reduction	2D, 3D	
Compression Support	H.265 / H.264 / MJPEG	
Frame Rate	30 FPS	
Communication Protocol	UVC 1.0 / UVC 1.5	
OS Support	Windows 10 or latest	
MAF	Manufacturing Authorization letter should be attached with tender	

Speakerphone for Court Room		
Items	Technical Specification	
General Description	Speaker phone for individual, small, medium or large group use. It shall be able to connect to PCs for rich, full-duplex audio communications and can be used with VoIP softphones, Web collaboration, instant messaging and any other applications requiring two-way audio.	
Connections	USB Connector; version 2.0 compatible with Mini B Female Type Keyed Connector with RJ-45 (8 Conductor)	
Controls	Volume Up Volume Down Volume Mute	
OS Support	Windows XP Windows Vista Windows 7,8,10	
Audio	2 No x Speaker with Bandwidth 190 Hz to 20KHz Each Speaker Max Output Level :- 85dB SPL @ 1 Meter 6 Nos x Uni directional Microphones with Bandwidth :- 100Hz to 12KHz	
Power	USB Powered 5VDC @ 500mA Max External Power Supply 9 VDC @ 560 mA Output	
Dimensions	Shall not exceed (W x D x H): 7.4" x 7.4" x 1.8"	
Weight	Shall not exceed 1.17 lbs. (0.53 kg)	
Compliance	RoHS FCC Class A Part 15 FCC Part 15.19 (A) (3) ICES-003 EU Compliance CE Listed UL Listed	
Technical Parameters	Distributed Echo Cancellation Noise Cancellation Full Duplex Audio	

Speakerphone for Court Room		
Items	Technical Specification	
Expansion Options	Option to Connect Enterprise Telephone using Headset Port Option to Connect Audio Line IN+OUT for Video Conferencing Applications	
Environmental	Operating temperature: 0-60° C	
MAF	Manufacturing Authorization letter should be attached with tender	

Headphone+ Mic for Correctional home		
Items	Technical Specification	
General Description	USB plug & play simply plug in to your PC or Mac USB port	
Hardware Interface	USB Connector version 2.0 compatible	
Controls	Volume Up Volume Down	
OS Support	Windows 10 or latest	
Audio Input	With Inbuilt Microphone	
Power	USB Powered: 5VDC	
Environmental	Operating temperature: 0-60° C	
Technical Parameters	Should have Noise Cancellation Should have Full Duplex Audio	
MAF	Manufacturing Authorization letter should be attached with tender	

CPU for Correctional home		
Items	Technical Specification	
Processor	Intel Core i7-8700(8 th Generation)	
Chipset	Intel Q470 (H Series/Home chipset not allowed)	
RAM	RAM – 16 GB DDR4 RAM with 64 GB RAM expandability Minimum 1 RAM slots should be free	

CPU for Correctional home		
Items	Technical Specification	
HDD	Hard Disk 1TB SATA	
SSD	512GB	
OS	Window 10 Professional (Factory preloaded, OEM undertaking to be provided)	
LAN	Integrated on board 1Gbps Ethernet;	
PORT	Total 8 USB Ports with minimum 3 nos of 3.1 and 1 Type C Port (with at least 4 in front), 2 audio ports for microphone and headphone in front & back, 1 VGA, 1 HDMI, and 1 Display Port out for connecting Monitor (Without any	
PCI	Minimum 4 PCI express Slots and 1 M.2 port or higher	
SMPS	Minimum 250 watt or higher power supply with minimum 85% efficiency or higher	
Monitor	24" LED full HD monitor (1920x1080) Monitor should have dual inbuilt speakers Monitor should have TCO o8 and Energy star Certification. (Same as Desktop OEM Make)	
KB and Mouse	104 keys keyboard and optical scroll mouse (same from OEM Make). Heavy-duty Keyboard and Mouse.	
Cabinet	Semi tower cabinet with volume less than 18 ltr	
OEM Certification	ISO 9001, ISO 20000, ISO 14000, ISO 27000	
Product Certification	FCC, UL/MET, EPEAT India, Window 10, Linux and ROHS	
MAF	Manufacturing Authorization letter should be attached with tender	
Antivirus	Preloaded standard Antivirus Software	
Warranty	3 Years comprehensive warranty on all hardware and software supplied	

Note: Only branded desktops are acceptable.

CPU for Court Room		
Items	Technical Specification	
Processor	Intel Core i7-8700(8 th Generation)	
Chipset	Intel Q470 (H Series/Home chipset not allowed)	
RAM	RAM – 16 GB DDR4 RAM with 64 GB RAM expandability Minimum 1 RAM slots should be free	
HDD	Hard Disk 1 TB SATA	
SSD	512GB	

CPU for Court Room		
Items	Technical Specification	
OS	Window 10 Professional (Factory preloaded, OEM undertaking to be provided)	
Graphics	4GB Dedicated Graphics	
LAN	Integrated on board 1Gbps Ethernet;	
PORT	Total 8 USB Ports with minimum 3 Nos of 3.1 and 1 Type C Port (with at least 4 in front), 2 audio ports for microphone and headphone in front & back, 1 VGA, 1 HDMI, and 1 Display Port out for connecting Monitor (Without any converter)	
PCI	Minimum 4 PCI express Slots and 1 M.2 port or higher	
SMPS	Minimum 250 watt or higher power supply with minimum 85% efficiency or higher,	
Monitor	24" LED full HD monitor (1920x1080) Monitor should have dual inbuilt speakers Monitor should have TCO o8 and Energy star Certification. (Same as Desktop OEM)	
KB and Mouse	104 keys keyboard and optical scroll mouse (same from OEM Make). Heavy-duty Keyboard and Mouse.	
Cabinet	Semi tower cabinet with volume less than 18 ltr	
OEM Certification	ISO 9001, ISO 20000, ISO 14000, ISO 27000	
Product Certification	FCC, UL/MET, EPEAT India, Window 10, Linux and ROHS	
MAF	Manufacturing Authorization letter should be attached with tender	
Antivirus	Preloaded standard Antivirus Software	
Warranty	3 Years comprehensive warranty on all hardware and software supplied	

Note: Only branded desktops are acceptable.

Display for Court Room		
Items	Technical Specification	
Screen Size	Diagonal 49"	
Panel Technology	IPS	
Resolution	1920X1080	
Brightness	350nits	

Display for Court Room		
Items	Technical Specification	
Contrast ratio	1000:1	
Dynamic Contrast	500000:1	
Audio Output	2x10w speaker built in	
Connectivity	2 Nos HDMI Ports, DVID, RGB, RS232C, RJ45, IR, USB, Audio, RS232C	
Functions	Temperature Sensor, Local Key Operation, USB Auto Playback, Local Contents Scheduling, Fail Over, Image Customization (Bootting Logo/No Signal)	
Content Sync	(RS232C/Local Network), SNMP, ISM Mode, DPM, PM Mode, Wake on LAN, Smart Energy Saving	
Certifications	HDMI-CEC2, Conformal coating, Safety Certification- IEC 60950-1 / EN 60950-1 / UL 60950-1, Energy Star 7.0	
Power consumption	62 watt or less	
Warranty	3 years	
MAF	Manufacturing Authorization letter should be attached with tender	

1 KVA UPS			
Items	Technical Specification	Parameters	
Technology	True Online Double Conversion IGBT based UPS system		
Input Parameters	Input Voltage	Single Phase, 220/230/240 VAC	
	Input Voltage Variation	160V – 280VAC 110 – 300VAC based on load	
	Input Frequency Variation	40 – 70Hz	
	Power Factor at rated load	0.99	
DC Parameters	Nominal DC bus voltage	36 V	
	Battery backup	30 Min	
Output Parameters	Output Voltage	220 / 230 / 240 VAC	
	Frequency	50 Hz	
	Power Rating	1kVA/ 800 W	

1 KVA UPS			
Items	Technical Specification	Parameters	
	Overload Rating	110% for 10 minutes 130% for 1 minute	
	Output Voltage regulation	+ 1%	
	LCD indicator	Load Level, AC Mode, Bypass Mode, Battery Mode	
Environmental Parameters	Operating Temperature	0°C to 40°C, continuous	
	Relative Humidity	90% RH	
	Protection Grade	IP 20	
Communication Port	USB		
Cold Start Facility	YES		
Certificates	ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 and CE		
MAF	Manufacturing Authorization letter should be attached with tender		

3 KVA UPS			
Items	Technical Specification	Parameters	
Technology	True Online Double Conversion IGBT based UPS system		
Input Parameters	Input Voltage	Single Phase, 220/230/240 VAC	
	Input Voltage Variation	160V – 280VAC 110 – 300VAC based on load	
	Input Frequency Variation	40 – 70Hz	
	Power Factor at rated load	0.99	
DC Parameters	Nominal DC bus voltage	96 V	
	Battery backup	30 Min	
Output	Output Voltage	220 / 230 / 240 VAC	

3 KVA UPS			
Items	Technical Specification	Parameters	
Parameters	Frequency	50 Hz	
	Power Rating	3kVA/ 2400 W	
	Overload Rating	110% for 10 minutes 130% for 1 minute	
	Output Voltage regulation	+ 1%	
	LCD indicator	Load Level, AC Mode, Bypass Mode, Battery Mode	
Environmental Parameters	Operating Temperature	0°C to 40°C, continuous	
	Relative Humidity	90% RH	
	Protection Grade	IP 20	
Communication Port	USB		
Cold Start Facility	YES		
Certificates	ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 and CE		
MAF	Manufacturing Authorization letter should be attached with tender		

6 KVA UPS			
Items	Technical Specification	Parameters	
Technology	True Online Double Conversion IGBT based UPS system		
Input Parameters	Input Voltage	Single Phase, 220/230/240 VAC	
	Input Voltage Variation	180V – 280VAC	
	Input Frequency	50 Hz	
	Input Frequency Variation	46 – 54Hz	
	Power Factor at rated load	0.99	
DC Parameters	Types of batteries supported	VRLA SMF	
	Make	Exide/ Quanta	
	Battery Backup	30 min backup	
	DC ripple	< 2% rms	
Output Parameters	Output Voltage	220 / 230 / 240 VAC 1 phase	
	Frequency	50 Hz	

6 KVA UPS			
Items	Technical Specification	Parameters	
	Power Rating	6kVA/ 4800 W	
	Overload Rating	110% for 10 minutes/ 130% for 1 minute	
	Output Voltage regulation	+ 1%	
	Transient response for 100% load	+ 10%	
	Recovery time	10 milliseconds	
	LCD indicator	Load Level, AC Mode, Bypass Mode, Battery Mode	
Environmental Parameters	Operating Temperature	0°C to 40°C, continuous	
	Protection Grade	IP 20	
	Relative Humidity	90% RH	
Communication Port	USB		
Cold Start Facility	Yes		
Certificates	ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 and CE		
MAF	Manufacturing Authorization letter should be attached with tender		

8 Port Desktop Switch			
Interface	Switch Should have 8x 10/100/1000 Base-T		
Performance	The switch should have min 8.3Mpps or higher forwarding rate and 4K MAC addresses		
Protocols	IEEE 802.3i, 802.3u, 802.3ab, 802.3x, 802.1p		
Operating Temperature	0°C~40°C		
Power Consumption	Max 8W (100VAC ~ 240VAC)		
Certification	CE, FCC, RoHS, BIS		

16 Port Network Switch		
Items	Technical Specification	
Interface	Switch Should have 16x 10/100/1000 Base- T	
Performance	The switch should have min 14.2Gbps or higher forwarding rate and 8K MAC addresses	
Protocols	IEEE 802.3i, 802.3u, 802.3ab, 802.3x, 802.1p	
Power Consumption	Max 20W (100VAC ~ 240VAC)	
Operating Temperature	0°C~40°C	
Certification	CE, FCC, RoHS, BIS	

The following infrastructure to be provided for installation and smooth function of VC solution:

Courts		
Sl No	Location	Description
1	Sealdah Court	Electrical Power Socket to be included near CPU and Display unit. All the electrical wiring with sufficient light and table stand needs to be included. Curtains if required needs to be provided.
2	Municipal Magistrates Court	Electrical Power Socket to be included near CPU and Display unit. All the electrical wiring with sufficient light and table stand needs to be included. Curtains if required needs to be provided.
3	City Sessions Court	Electrical Power Socket to be included near CPU and Display unit. All the electrical wiring with sufficient light and table stand needs to be included. Curtains if required needs to be provided.
4	Metropolitan Magistrate Court	Electrical Power Socket to be included near CPU and Display unit. All the electrical wiring with sufficient light and table stand needs to be included. Curtains if required needs to be provided.
5	Alipore Judges Court	Electrical Power Socket to be included near CPU and Display unit. All the electrical wiring with sufficient light and table stand needs to be included. Curtains if required needs to be provided.

Note:

1. Any other infrastructural support as a Pre-requisite for installation of VC solution to be provided by successful bidder.

2. Video Conference Software, Camera and Speakerphone should be from same OEM.
3. Warranty: 3 years onsite comprehensive warranty
4. **Pre-Bid Meeting:** Pre-Bid Queries received till the last date /time of the query submission will only be entertained during the Pre-Bid Meeting.

Section – G: Appendix-I: Locations for Installation

Correctional Homes

#	Location	VC Room	UPS	Wall Mount Display	CPU	Headphone + Mic	Camera
1	Dum Dum Central Correctional Home (Nov 10, 2020)	TB Ward; 1st Floor: VC # 1	1	1	1	2	1
2		TB Ward; 1st Floor: VC # 2		1	1	2	1
3		TB Ward; 1st Floor: VC # 3		1	1	2	1
4		TB Ward; 1st Floor: VC # 4		1	1	2	1
5		TB Ward; 1st Floor: VC # 5		1	1	2	1
6		TB Ward; 1st Floor: VC # 6		1	1	2	1
7		TB Ward; 1st Floor: VC # 7		1	1	2	1
8		TB Ward; G Floor: VC # 1		1	1	2	1
9		TB Ward; G Floor: VC # 2		1	1	2	1
10		TB Ward; G Floor: VC # 3		1	1	2	1
11		TB Ward; G Floor: VC # 4		1	1	2	1
12		TB Ward; G Floor: VC # 5		1	1	2	1
13		TB Ward; G Floor: VC # 6		1	1	2	1
14		TB Ward; G Floor: VC # 7		1	1	2	1
15		TB Ward; G Floor: VC # 8		1	1	2	1
16		TB Ward; G Floor: VC # 9		1	1	2	1
17		TB Ward; G Floor: VC # 10		1	1	2	1
18		TB Ward; G Floor: VC # 11		1	1	2	1

#	Location	VC Room	UPS	Wall Mount Display	CPU	Headphone + Mic	Camera
19		TB Ward; G Floor: VC # 12		1	1	2	1
		19	1	19	19	38	19
1	Alipore Women's Correctional Home	Legal Aid Service Room: VC # 1	1	1	1	2	1
2		Legal Aid Service Room: VC # 2		1	1	2	1
		2	1	2	2	4	2
1	Presidency Central Correctional Home	Room: KB-3; VC # 1	1	1	1	2	1
2		Room: KB-3; VC # 2		1	1	2	1
3		Room: KB-3; VC # 3		1	1	2	1
4		Room: KB-3; VC # 4		1	1	2	1
5		Room: KB-3; VC # 5		1	1	2	1
6		Room: KB-3; VC # 6		1	1	2	1
7		Room: KB-3; VC # 7		1	1	2	1
8		Room: KB-3; VC # 8		1	1	2	1
		8	1	8	8	16	8
1	Baruipur Central Correctional Home (Nov12, 2020)	Music Room; VC # 1	1	1	1	2	1
2		Music Room; VC # 2		1	1	2	1
3		Music Room; VC # 3		1	1	2	1
4		Music Room; VC # 4		1	1	2	1
5		Music Room; VC # 5		1	1	2	1
6		Jute Room; VC # 1		1	1	2	1
7		Jute Room; VC # 2		1	1	2	1
8		Jute Room; VC # 3		1	1	2	1
9		Jute Room; VC # 4		1	1	2	1
10		Jute Room; VC # 5		1	1	2	1
11		Jute Room; VC # 6		1	1	2	1
12		Jute Room; VC # 7		1	1	2	1
13		Record Room; VC # 1		1	1	2	1
14		Record Room; VC # 2		1	1	2	1
15		Record Room; VC # 3		1	1	2	1
16		Record Room; VC # 4		1	1	2	1
17		Record Room; VC # 5		1	1	2	1

#	Location	VC Room	UPS	Wall Mount Display	CPU	Headphone + Mic	Camera
18		Record Room; VC # 6		1	1	2	1
19		Record Room; VC # 7		1	1	2	1
		19	1	19	19	38	19

Courts:

#	Location	VC Room	UPS	Wall mount Display	CPU	Speaker	Table Microphone	Camera	Remarks
1	Sealdah Court (Nov 25, 2020)	Room # 103 (1st JM)	1	1	1	2	2	2	
2		Room # 104		1	1	2	2	2	
3		Room # 108	1	1	1	2	2	2	
4		Room # 109		1	1	2	2	2	
5		Room # 209	1	1	1	2	2	2	
6		Room # 210		1	1	2	2	2	
7		Room # 204 (6th JM)	1	1	1	2	2	2	
8		Room # 208 (3rd Court)	1	1	1	2	2	2	
9		Room # 306 (ADJ, 2nd Court)	1	1	1	2	2	2	
10		Room # 408 (Fast Track Court - 2)	1	1	1	2	2	2	

11		4th JM (Sealdah Station)	1	1	1	2	2	2	Display needed, with roof hanging fittings
			11	8	11	11	22	22	22
1	Municipal Magistrates Court (Nov 25, 2020)	1st Court	1	1	1	2	2	2	
2		2nd Court	1	1	1	2	2	2	
3		3rd Court	1	1	1	2	2	2	
4		4th Court	1	1	1	2	2	2	
			4	4	4	8	8	8	
1	City Sessions Court (Nov 26, 2020)	Fast Track Court # 1	1	1	1	2	2	2	
2		Session Judge	1	1	1	2	2	2	Distance between Witness
		Bench # 2							Box & Advocate Table: 4 m
3		Special CBI Court # 4	1	1	1	2	2	2	
4		Fast Track Court #	1	1	1	2	2	2	
5		Judge Bench # 1	1	1	1	2	2	2	Self-Standing Display
6		Fast Track Court #	1	1	1	2	2	2	
7		Fast Track Court #	1	1	1	2	2	2	
8	Special CBI Court # 1	1	1	1	2	2	2		
			8	8	8	16	16	16	
1	Metropolitan Magistrate Court (Nov 26, 2020)	19th Court (2nd Floor)	1	1	1	2	2	2	
2		20th Court (3rd Floor)	1	1	1	2	2	2	
3		21st CBI Court (3rd Floor)	1	1	1	2	2	2	

4	22nd Court CBI Court (3rd Floor)	1	1	1	2	2	2	
5	18th Court (G Floor)	1	1	1	2	2	2	
6	ACMM 2nd Court (G Floor)	1	1	1	2	2	2	
7	CMM Court (2nd building ; 1st Floor)	1	1	1	2	2	2	
8	8th Court (1st Floor)	1	1	1	2	2	2	
9	12th Court (1st Floor)	1	1	1	2	2	2	
10	11th Court (1st Floor)	1	1	1	2	2	2	
11	6th Court (1st Floor)	1	1	1	2	2	2	
12	ACMM - 1 (2nd Floor)	1	1	1	2	2	2	
13	5th MM Court (2nd Floor)	1	1	1	2	2	2	
14	9th MM Court (2nd Floor)	1	1	1	2	2	2	Display Location: Wooden Wardrobe Door (24 & 26)
15	3rd MM Court (2nd Floor)	1	1	1	2	2	2	
16	CMM Building 7th Court	1	1	1	2	2	2	
17	17th Court (Old Building)	1	1	1	2	2	2	
18	MM 13th Court	1	1	1	2	2	2	
19	MM 10th Court	1	1	1	2	2	2	
20	MM 16th Court	1	1	1	2	2	2	
21	MM 15th Court	1	1	1	2	2	2	
22	MM 4th Court	1	1	1	2	2	2	

23		MM 14th Court	1	1	1	2	2	2	
		23	23	23	23	46	46	46	
1	Alipore Judges Court (Nov 27 & Dec 1, 2020)	EC Court (Special Court)	1	1	1	2	2	2	
2		FTC - 3	1	1	1	2	2	2	
3		FTC - 4	1	1	1	2	2	2	
4		FTC - 14 (ADJ)	1	1	1	2	2	2	
5		ADJ 8th Court	1	1	1	2	2	2	
6		FTC - 5	1	1	1	2	2	2	
7		FTC - 6	1	1	1	2	2	2	
8		FTC - 7	1	1	1	2	2	2	
9		FTC - 2 (ADJ)	1	1	1	2	2	2	
10		ADJ - 10th Court	1	1	1	2	2	2	
11		ADJ - 11th Court	1	1	1	2	2	2	
12		ADJ - 5th Court (Room # 1)	1	1	1	2	2	2	
13		FTC - 1 (ADJ)	1	1	1	2	2	2	
14		District Judge	1	1	1	2	2	2	
15		ADJ - 4th Court (Red)	1	1	1	2	2	2	
16		ADJ - 7th Court	1	1	1	2	2	2	
17		ADJ - 3rd Court	1	1	1	2	2	2	
18		ADJ - 16th Court	1	1	1	2	2	2	
19		ADJ - 9th Court	1	1	1	2	2	2	
20		ADJ - 6th Court	1	1	1	2	2	2	
21		ADJ - 1st Court	1	1	1	2	2	2	
22		ADJ - 13th Court	1	1	1	2	2	2	
23		ADJ - 15th Court (Half Judge Building)	1	1	1	2	2	2	

24	ADJ - 12th Court	1	1	1	2	2	2	
25	CJM Court (Separate Building)	1	1	1	2	2	2	
26	LD ACJM Court	1	1	1	2	2	2	
27	JM - 4th Court	1	1	1	2	2	2	
28	LD JM - 3rd Court	1	1	1	2	2	2	
29	ADJ & Session Judge - 18th	1	1	1	2	2	2	
30	17th Court	1	1	1	2	2	2	
31	FTC - 8th Court	1	1	1	2	2	2	
32	JM - 6th Court (1st Floor)	1	1	1	2	2	2	
33	JM - 5th (1st Floor)	1	1	1	2	2	2	
34	LD JM - 2nd (1st Floor)	1	1	1	2	2	2	
35	LD JM - 1st (1st Floor)	1	1	1	2	2	2	
36	LD JM - 7th Court	1	1	1	2	2	2	
37	LD JM - 10th Court	1	1	1	2	2	2	
38	LD JM - 9th Court (G Floor)	1	1	1	2	2	2	
39	LD JM - 8th Court	1	1	1	2	2	2	
	39	39	39	39	78	78	78	

Section – H: Annexures

Annexure I: Covering letter for submission of RFP

(To be submitted on the letterhead of the bidder)

(Date)

To,

General Manager (Commercial),

WBEIDC,

Webel Bhavan, Block-EP & GP, Sector-V,

Salt Lake, Bidhan Nagar,

Kolkata: 700091

Ref: RFP No WEBEL/EOT/COM/20-21/00064

Sub: Submission of RFP for “INSTALLATION OF VIDEO CONFERENCING SYSTEM AT THE COURTS AND CORRECTIONAL HOMES WITHIN KOLKATA POLICE JURISDICTION FOR "IN CAMERA" TI PARADE UNDER THE SAFE CITY WOMEN SAFETY PROJECT (Nirbhaya)”.

Dear Sir/Madam,

We have examined the RFP document, we, the undersigned, herewith submit our RFP in response to your RFP no. _____ dated _____ for “INSTALLATION OF VIDEO CONFERENCING SYSTEM AT THE COURTS AND CORRECTIONAL HOMES WITHIN KOLKATA POLICE JURISDICTION FOR "IN CAMERA" TI PARADE UNDER THE SAFE CITY WOMEN SAFETY PROJECT (Nirbhaya). In full conformity with the said RFP document.

- i. We have read the provisions of the RFP document and confirm that these are acceptable to us. We further declare that additional conditions, variations, deviations, if any, found in our RFP shall not be given effect to.
- ii. We agree to abide by this RFP, consisting of this letter, the detailed response to the RFP and all attachments, for a period of 180 days from the date of submission of the bid.
- iii. We would like to declare that we are not involved in any major litigation that may have an impact of affecting or compromising the delivery of services as required under this assignment and we are not under a declaration of ineligibility for corrupt or fraudulent practices
- iv. We would like to declare that there is no conflict of interest in the services that we will be providing under the terms and conditions of this RFP.
- v. We hereby declare that all the information and statements made in this EoI are true and accept that any misrepresentation contained in it may lead to our disqualification.
- vi. We understand you are not bound to shortlist / accept any RFP you receive

Sincerely,

Signature of Authorized Signatory and Seal of the bidder

Name:

Designation:

Date:

Annexure-II: Declaration for not being blacklisted

(Self-declaration for not being blacklisted by any Government Entity)

(To be submitted on the Letterhead of the responding firm)

(Place)

(Date)

To,

General Manager (Commercial)

WBEIDC Ltd

Webel Bhavan

Block EP & GP, Sector-V

Salt Lake Electronics Complex

Kolkata-700091

Ref: INSTALLATION OF VIDEO CONFERENCING SYSTEM AT THE COURTS AND CORRECTIONAL HOMES WITHIN KOLKATA POLICE JURISDICTION FOR "IN CAMERA" TI PARADE UNDER THE SAFE CITY WOMEN SAFETY PROJECT (Nirbhaya).

Ref: RFP No. WEBEL/EOT/COM/20-21/00064

Dear Sir/Madam,

In response to the above mentioned EoI I/We, _____, as _____ <Designation> of M/s _____, hereby declare that we are having unblemished past record and are not declared blacklisted or ineligible to participate for bidding by any State/Central Government, Semi-Government or PSU.

Sincerely,

Signature of Authorized Signatory and Seal of the bidder

Name:

Designation:

Annexure–III: Bidder’s Annual turnover over last 3 financial years

<<To be printed on bidder company’s letterhead and signed by Authorized signatory>>

Date: dd/mm/yyyy

To,
General Manager (Commercial)
WBEIDC Ltd
Webel Bhavan
Block EP & GP, Sector-V
Salt Lake Electronics Complex
Kolkata-700091

Dear Sir,

I have carefully gone through the Terms & Conditions contained in the RFP Document. I hereby declare that below are the details regarding Overall turnover over last 3 financial years for our organization.

#	Details	FY 2017-18 (in Crores) (a)	FY 2018-19 (in Crores) (b)	FY 2019-20 (in Crores) (c)	Average Turnover [(a+b+c)/3]
1	Overall Annual Turnover				

Yours Sincerely,

Signature of Statutory Auditor (with official seal)

Name :
Designation :
Address :
Telephone& Fax:
E-mail address :

Annexure-IV: Format for Manufacturer’s Authorisation Form

(To be submitted on the Letterhead of the Manufacturer and duly signed by an authorized signatory)

Date:

To,

The General Manager (Commercial)

WBEIDC Ltd

Webel Bhavan

Block EP & GP, Sector-V

Salt Lake Electronics Complex

Kolkata-700091

Ref: Tender No.: WEBEL/EOT/COM/20-21/00064 dated 26-02-2021

WHEREAS _____ who are official producers of _____ and having production facilities at _____ do hereby authorize _____ located at _____ (hereinafter, the “Bidder”) to submit a bid of the following Products produced by us, for the Supply Requirements associated with the above Invitation for Bids.

When resold by _____, these products are subject to our applicable standard end user warranty terms till the end of contract period by the SI/bidder.

We assure you that in the event of any failure/issue, not being able to fulfil its obligation as our Service Provider in respect of the warranty we would continue to meet our warranty through alternate arrangements.

We also confirm that _____ is our authorized service provider/system integrator and can hence provide maintenance and upgrade support for our products.

We also confirm that the products quoted are on our current product list and are not likely to be discontinued within 3 years from the day of this letter. We assure availability of spares for the products for the next five years.

We also confirm that the License will be delivered within scheduled delivery dated as per the tender terms from the date of placement of confirmed order.

The Toll free number, ticketing website and escalation matrix with the mail Id and fixed mobile number are as follows. In case of any change it will be intimated to you immediately by us.

Name _____ In the capacity of _____
Signed _____
Duly authorized to sign the authorization for and on behalf of _____
Dated on _____ day of _____ 2021

Annexure–V: Format for Performance Bank Guarantee

(On non-judicial stamp paper of appropriate value to be purchased in the name of executing Bank)

PROFORMA OF BANK GUARANTEE FOR SECURITY DEPOSIT–CUM-PRFORMANCE GUARANTEE

Ref Bank Guarantee no.....

Date.....

PROFORMA OF BG FOR SECURITY DEPOSIT

KNOW ALL MEN BY THESE PRESENTS that in consideration of WBEIDCL, a Government of West Bengal Undertaking incorporated under the Companies Act, 1956 having its registered office at Webel Bhavan, Block EP & GP, Sector-V, Salt Lake Electronics Complex, Kolkata-700091(hereinafter called “The Purchaser”) having agreed to accept from _____(hereinafter called “The Contractor”) Having its Head Office at _____, a Bank guarantee for Rs. _____ in lieu of Cash Security Deposit for the due fulfilment by the Contractor of the terms & conditions of the Work Order No. _____ dated _____ issued by the Purchaser for _____ (hereinafter called “the said work order _____ dated _____)”. We _____ (Name & detailed address of the branch) (hereinafter called “the Guarantor”) do hereby undertake to indemnify and keep indemnified the Purchaser to the extent of Rs. _____ (Rupees _____) only against any loss or damage caused to or suffered by the Purchaser by reason of any breach by the Contractor of any of the terms and conditions contained in the said Work Order No. _____ dated _____ of which breach the opinion of the Purchaser shall be final and conclusive.

(2) AND WE, _____ DO HEREBY Guarantee and undertake to pay forthwith on demand to the Purchaser such sum not exceeding the said sum of _____ Rupees _____) only as may be specified in such demand, in the event of the Contractor failing or neglecting to execute fully efficiently and satisfactorily the order for _____ Work Order no. , _____ dated _____

(3) WE _____ further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said order as laid down in the said Work Order No. _____ dated _____ including the warranty obligations and that it shall continue to be enforceable till all the dues of the Purchaser under or by virtue of the said Work Order No. _____ dated _____ have been fully paid and its claims satisfied or is charged or till the Purchaser or its authorized representative certified that the terms and conditions of the said Work Order No. _____ dated _____ have been fully and properly carried out by the said contractor and accordingly discharged the guarantee.



(4) We _____ the Guarantor undertake to extend the validity of Bank Guarantee at the request of the contractor for further period of periods from time to time beyond its present validity period failing which we shall pay the Purchaser the amount of Guarantee.

(5) The liability under the Guarantee is restricted to Rs. _____ (Rupees _____) only and will expire on _____ and unless a claim in writing is presented to us or an action or suit to enforce the claim is filled against us within 6 months from _____ all your rights will be forfeited and we shall be relieved of and discharged from all our liabilities (thereinafter)

(6) The Guarantee herein contained shall not be determined or affected by liquidation or winding up or insolvency or closer of the Contractor.

(7) The executants has the power to issue this guarantee on behalf of Guarantor and holds full and valid power of Attorney granted in his favour by the Guarantor authorizing him to execute the Guarantee.

(8) Notwithstanding anything contained herein above, our liability under this guarantee is restricted to Rs. _____ (Rupees _____) only and our guarantee shall remain in force up to _____ and unless a demand or claim under the guarantee is made on us in writing on or before _____ all your rights under the guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.

WE, _____ lastly undertake not to revoke this guarantee during the currency except with the previous consent of the Purchaser in writing. In witness whereof we _____ have set and subscribed our hand on this _____ day of _____.

SIGNED, SEALED AND DELIVERED

(Stamp of the executants)

WITNESS

1) _____

2) _____

(Name & address in full with Rubber Stamp)

INSTRUCTIONS FOR FURNISHING BANK GUARANTEE

1. B.G. for security Deposit-cum-Performance Guarantee, Earnest Money should be executed on the Non-Judicial Stamp paper of the applicable value and to be purchased in the name of the Bank.
2. The Executor (Bank authorities) may mention the Power of Attorney No. and date of execution in his/her favour with authorization to sign the documents. The Power of Attorney is to be witnessed by two persons mentioning their full name and address.
3. The B.G. should be executed by a Nationalised Bank/ Scheduled Commercial Bank preferably on a branch located in Kolkata. B.G. from Co-operative Bank / Rural Banks is not acceptable.
4. A Confirmation Letter of the concerned Bank must be furnished as a proof of genuineness of the Guarantee issued by them.
5. Any B.G. if executed on Non-Judicial Stamp paper after 6 (six) months of the purchase of such stamp shall be treated as Non-valid.
6. Each page of the B.G. must bear signature and seal of the Bank and B.G. Number.
7. The content of the B.G. shall be strictly as Proforma prescribed by WBEIDCL in line with Purchase Order /LOI/ Work Order etc. and must contain all factual details.
8. Any correction, deletion etc. in the B.G. should be authenticated by the Bank Officials signing the B.G.
9. In case of extension of a Contract the validity of the B.G. must be extended accordingly.
10. B.G. must be furnished within the stipulated period as mentioned in Purchase Order / LOI / Work Order etc.
11. Issuing Bank / The Vendor are requested to mention the Purchase Order / Contract / Work Order reference along with the B.G. No. For making any future queries to WBEIDCL

Annexure – VI: Contract Performance Guarantee

[To be stamped in accordance with Stamp Act]

Ref : Bank Guarantee No.

Date:

To

Dear Sir,

WHEREAS..... (Name of bidder) hereinafter called "the bidder" has undertaken, in pursuance of Contract dated, (hereinafter referred to as "the Contract") to implement the **INSTALLATION OF VIDEO CONFERENCING SYSTEM AT THE COURTS AND CORRECTIONAL HOMES WITHIN KOLKATA POLICE JURISDICTION FOR "IN CAMERA" TI PARADE UNDER THE SAFE CITY WOMEN SAFETY PROJECT (Nirbhaya).**

AND WHEREAS it has been stipulated in the said Contract that the Bidder shall furnish a Contract Performance Guarantee ("the Guarantee") from a scheduled bank for the sum specified therein as security for the performance of **INSTALLATION OF VIDEO CONFERENCING SYSTEM AT THE COURTS AND CORRECTIONAL HOMES WITHIN KOLKATA POLICE JURISDICTION FOR "IN CAMERA" TI PARADE UNDER THE SAFE CITY WOMEN SAFETY PROJECT (Nirbhaya).**

WHEREAS we _____ ("the Bank", which expression shall be deemed to include it successors and permitted assigns) have agreed to give WBEIDC the Guarantee:

THEREFORE the Bank hereby agrees and affirms as follows:

1. The Bank hereby irrevocably and unconditionally guarantees the payment of all sums due and payable by the Bidder to WBEIDC
Under the terms of their Agreement dated _____ on account of any breach of terms and conditions of the said contract related to partial non-implementation and/ or delayed and/ or defective implementation. Provided, however, that the maximum liability of the Bank towards WBEIDC under this Guarantee shall not, under any circumstances, exceed _____ in aggregate.
2. In pursuance of this Guarantee, the Bank shall, immediately upon the receipt of a written notice from WBEIDC stating full or partial non-implementation and/ or delayed and/ or defective implementation, which shall not be called in question, in that behalf and without delay/demur or set off, pay to WBEIDC any and all sums demanded by WBEIDC Under the said demand notice, subject to the maximum limits specified in Clause 1 above. A notice from WBEIDC to the Bank shall be sent at the following address:

Attention Mr _____.

3. This Guarantee shall come into effect immediately upon execution and shall remain in force for a period of _____ months from the date of its execution.
4. The liability of the Bank under the terms of this Guarantee shall not, in any manner whatsoever, be modified, discharged, or otherwise affected by -
 - i) Any change or amendment to the terms and conditions of the Contract or the execution of any further Agreements.
 - ii) Any breach or non-compliance by the Bidder with any of the terms and conditions of any Agreements/ credit arrangement, present or future, between Bidder and the Bank.
5. The BANK also agrees that WBEIDC at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against Bidder and not withstanding any security or other guarantee that WBEIDC may have in relation to the Bidder's liabilities.
6. The BANK shall not be released of its obligations under these presents by reason of any act of omission or commission on the part of Kolkata Police Or any other indulgence shown by WBEIDC Or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving the BANK.
7. This Guarantee shall be governed by the laws of India and only the courts of Kolkata shall have exclusive jurisdiction in the adjudication of any dispute which may arise hereunder.

Dated this the Day of

Witness

(Signature)

(Signature)

(Name)

Bank Rubber Stamp

(Name)

(Official Address)

Designation with Bank Stamp
Plus Attorney as per Power
of Attorney No.

Dated:

Annexure – VII: Checklist for the RFP

CHECK LIST

(To be uploaded online after duly properly filled up)

NIT No.

NAME OF THE TENDER:

NAME OF THE FIRM:.....

FULL ADDRESS OF THE FIRM & BIDDER (FOR COMMUNICATION).....

E-MAIL ADDRESS.....

DETAILS TO BE GIVEN

For Bidder

SL. NO.	ITEMS	PLEASE MARK		FOR USE OF THE BIDDERS (PROVIDE REGISTRATION NUMBERS WHERE APPLICABLE)	REMARKS (FOR OFFICE USE ONLY)
		YES	NO		
1	EMD AS PER NIT	YES	NO		
2	COPY OF THE LATEST TRADE LICENCE	YES	NO		
3	COPY OF THE PARTNERSHIP DEED/ INCORPORATION CERTIFICATE/ SOCIETY REGISTRATION COPY	YES	NO		
4	COPY OF LATEST PROFESSIONAL TAX CHALLAN	YES	NO		
5	COPY OF PAN CARD	YES	NO		
6	COPY OF LATEST INCOME TAX RETURN	YES	NO		
7	COPY OF GSTIN	YES	NO		
8	CREDENTIALS & OTHER PAPERS, IF ANY	YES	NO		
9	BALANCE SHEET OF LAST 3 YEARS	YES	NO		
10	PROFIT AND LOSS ACCOUNT OF LAST 3 YEARS	YES	NO		
11	SOLVENCY CERTIFICATE FROM BANK/REGISTERED CHARTERED ACCOUNTANT	YES	NO		
12	TURNOVER DULY CERTIFIED BY C.A. LAST ONE YEAR	YES	NO		
13	UNDERTAKING REGARDING BLACKLISTING	YES	NO		
14	UNDERTAKING REGARDING ACCEPTANCE OF TERMS & CONDITIONS OF NIT	YES	NO		

15	TENDER SPECIFIC AUTHORIZATION (OEM) CERTIFICATE	YES	NO		
16	TECHNICAL SPECIFICATION COMPLIANCE	YES	NO		
17	BROCHURE/PRODUCT CATALOGUE	YES	NO		
18	MANPOWER	YES	NO		
19	CERTIFICATE ABOUT OPERATIONAL OFFICE IN KOLKATA	YES	NO		

Note :

- i. The bidders are requested to see that all of the above columns are marked.
- ii. If any of the information furnished above are found to be false, action as per tender rule will be initiated.

For OEM

Sl. No.	Items	Please Mark	For Use Of The Bidders (Provide Registration Numbers Where Applicable)	Remarks (For Office Use Only)
1	Audited Financial Accounts & certificates from the statutory auditor / Chartered Accountant			
2	Balance sheet and Profit & Loss Statement from the statutory auditor or Chartered Accountant for last 5 years			
3	Certificates of incorporation for Company/ Partnership Deed / Proprietorship firm self-declaration			
4	Self-certificate with supporting document on presence in India.			
5	Copies of the valid ISO certificates from authorized agencies			
6	OEM declaration on Blacklisting as per Annexure-II			
7	OEM self-declaration on not banned or suspended the support by ONVIF.			
10	Copy of membership certificate by Telecommunications Industry Association (TIA) committee.			

Note :

- i. For each OEMs the bidder has to provide checklist separately.
- ii. The bidders are requested to see that all of the above columns are marked.
- iii. If any of the information furnished above are found to be false, action as per tender rule will be initiated.

Annexure-VIII: Technical Specification and Compliance Statement

Date:

To,

General Manager (Commercial)

WBEIDC Ltd

Webel Bhavan

Block EP & GP, Sector-V

Salt Lake Electronics Complex

Kolkata-700091

Sl No	Description	Type	Qty	Unit	Make & Model No	Offered Specification	Remarks
1	CPU for Correctional home	i 7 (8 th Gen), 16GB DDR4, 2666MHz, 1 TB SATA HDD, 512 GB SSD, 24" Display	48	Nos			
2	CPU for Court Room	i7 (8 th Gen), 16GB DDR4, 4 GB dedicated Graphics, 2666MHz, 1 TB SATA HDD, 512 GB SSD, 24" Display	85	Nos			
3	Software	Video Conference Software(133 user)	1	Lot			
4	Display for Court Room(49")		85	Nos			
5	Headphone+ Mic for Correctional homes		96	Nos			
6	Speakerphone for Court Room	Table Top	85	Nos			

SI No	Description	Type	Qty	Unit	Make & Model No	Offered Specificati on	Remarks
7	Camera for Correctional home	10x Zoom (Digital)	48	Nos			
8	Camera for Court Room	10x Zoom (Digital)	85	Nos			
9	UPS	1 KVA	79	Nos			
10	UPS	3KVA	4	Nos			
11	UPS	6 KVA	3	Nos			
12	Power Cable	1.5 Sq mm	2370	Nos			
13	Power Cable	4 Sq mm	300	Nos			
14	Table	CPU Table	133	Nos			
15	PDU with CB	3 Socket 1 MCB	218	Nos			
16	16 Port Network Switch	16 Port Network Switch	7	Nos			
17	8 Port Desktop Switch	8 Port Desktop Switch	16	Nos			
18	9U Rack	9U Network Rack	16	Nos			
19	Cat 6 Cable	Cat 6 Cable with conduit	3355	Mtr			
20	Air Condition	2 Ton(Standard Make)	13	Nos			
21	Electrical & Civil Job		1	Lot			
22	Installation & Commissioning	Installation & Commissioning	1	Job			

Technical Compliance Statement:

Software		
Items	Technical Details	Compliance (Y/N)
Package	Software based Scalable Video Collaboration Solution to be supplied with 99.9% uptime	
Capacity	The solution must support virtual Classroom with minimum 100 participants joined from various devices with minimum support of devices based on iOS, Android, Mac or Windows Operating Systems	
Continuous Presence	Shall Support Continuous presence of 49 onscreen videos through PC and Mac during Meeting mode and 10 onscreen videos during Classroom Mode	
Resolution	The solution must support 1080p30fps HD resolution	
Protocols	The solution must support standard based Audio Video Codec system like H.264 and G.711	
	The solution should support content sharing in HD resolution	
	It should support wide Audio bandwidth with crystal clear audio	
	The system must support voice activated video & Control.	
	Automatic Gain Control and AEC	
Security	The solution must support secure and encrypted Communication with SSL Encryption.	
	Solution must have Unique Personal ID for every Session for each participant to keep the meeting Secure. Those IDs must not be shareable	
	Host Controllable Global Audio/Video Mute of all Participants in a session	
	Host Control to disable screen sharing, whiteboard option of remote participants	

Software		
Items	Technical Details	Compliance (Y/N)
	Remote participants must be invited or added in meeting by Host Only	
	Session must not be recorded by third party Recording / Screen Capture Software.	
Collaboration Feature	Shall support BYOD Collaboration allowing participants to join a virtual session from multiple devices such as PCs, Handheld Mobiles and Tablets and other Standard based Video Conferencing Systems	
	System should have Private and Public chat service. Same can be used for text-based Q & A during live video collaboration	
	It should allow automatically bandwidth management so that participant with minimum bandwidth can also join the session	
	It should be integrated into a single interface all Services (voice, video, Chat and data sharing).	
	Host rights must be interchangeable between the Session participants.	
	Shall support file transfer during meeting	
	It must allow unlimited software download from the server	
	Solution must have Scheduled, Ad-hoc, Meet Now options	
	System must have Interactive White boarding feature allowing all participants to annotate on same screen. Annotation tools also must be available for Shared screen/ Presentation without launching white board	

Software		
Items	Technical Details	Compliance (Y/N)
	Solution must have High quality Video File Sharing with Play/Pause Control option	
	System shall allow Simultaneous Video File Share and Presentation sharing from another user at same time	
	It must support multi-network communication and collaboration via UDP, TCP and IP networks	
	Monitoring and control platform must Provide a powerful and elegant user interface on any browser	
	Must support Web server protocols: HTTP and HTTPS	
	System must allow host to take Remote PC Control during meeting	
	Should support one-on-one and in groups collaboration with integrated file sharing, searchable archives, and user presence information	
	The Solution Shall support collaboration features including file sharing, recording, white boarding, annotation, chat, Notes and meeting minutes	
	Should have public and private channel feature, organized by topic, that can be accessed from anywhere	
	User must have access to Search, store all collaboration, agendas and notes to messages and documents, whiteboards and session recordings	
	Should support Playback of video files from standard Media Player. It also must have interactive recording and playback feature	
	The Collaboration suit must support 4 Camera connection from single user such as Presenter Cam, Document Cam, Interactive Tablet, Audience View and all 4 Camera feed must be available to send to remote participants	

Software		
Items	Technical Details	Compliance (Y/N)
	The Collaboration suit must support 3 Video Monitor out-put for life real tele-presence experience. Enabling Dedicated screen for Active Talker, Presentation and Grid View	
	Support unified AV network management platform to monitor, control, and audit Pro Audio and Video products and services	
MAF	Manufacturing Authorization letter should be attached with tender	
Camera for Court Room		
Items	Technical Specification	Compliance (Y/N)
Resolution	1080P Full HD	
Sensor	1/2.7" CMOS	
Effective Pixel	2 MP or better	
Scanning Mode	Progressive	
Focal Length	f=2.8mm	
FOV	120° or better	
Minimal Illumination	0.05 Lux @ (F1.8, AGC ON)	
Shutter Speed	1/30s – 1/10000s or better	
White Balance	Automatic or Manual	
Backlight Compensation	Need to be supported	
Digital Noise Reduction	2D, 3D	
Compression Support	H.265 / H.264 / MJPEG	

Software		
Items	Technical Details	Compliance (Y/N)
Frame Rate	30 FPS	
Communication Protocol	UVC 1.0 / UVC 1.5	
OS Support	Windows 10 or latest	
MAF	Manufacturing Authorization letter should be attached with tender	
Camera for Correctional home		
Items	Technical Specification	Compliance (Y/N)
Resolution	1080P Full HD	
Sensor	1/2.7" CMOS	
Effective Pixel	2 MP or better	
Scanning Mode	Progressive	
Focal Length	f=2.8mm	
FOV	90° or better	
Minimal Illumination	0.05 Lux @ (F1.8, AGC ON)	
Shutter Speed	1/30s – 1/10000s or better	
White Balance	Automatic or Manual	
Backlight Compensation	Need to be supported	
Digital Noise Reduction	2D, 3D	
Compression Support	H.265 / H.264 / MJPEG	

Software		
Items	Technical Details	Compliance (Y/N)
Frame Rate	30 FPS	
Communication Protocol	UVC 1.0 / UVC 1.5	
OS Support	Windows 10 or latest	
MAF	Manufacturing Authorization letter should be attached with tender	
Speakerphone for Court Room		
Items	Technical Details	Compliance (Y/N)
General Description	Speaker phone for individual, small, medium or large group use. It shall be able to connect to PCs for rich, full-duplex audio communications and can be used with VoIP softphones, Web collaboration, instant messaging and any other applications requiring two-way audio.	
Connections	USB Connector; version 2.0 compatible with Mini B Female Type Keyed Connector with RJ-45 (8 Conductor)	
Controls	Volume Up Volume Down Volume Mute	
OS Support	Windows XP Windows Vista Windows 7,8,10	
Audio	2 No x Speaker with Bandwidth 190 Hz to 20KHz Each Speaker Max Output Level :- 85dB SPL @ 1 Meter 6 Nos x Uni directional Microphones with Bandwidth :- 100Hz to 12KHz	
Power	USB Powered 5VDC @ 500mA Max External Power Supply 9 VDC @ 560 mA Output	
Environmental	Operating temperature: 0 - 60° C	
Dimensions	Shall not exceed (W x D x H): 7.4" x 7.4" x 1.8"	
Weight	Shall not exceed 1.17 lbs. (0.53 kg)	

Software		
Items	Technical Details	Compliance (Y/N)
Compliance	RoHS FCC Class A Part 15 FCC Part 15.19 (A) (3) ICES-003 EU Compliance CE Listed UL Listed	
Technical Parameters	Distributed Echo Cancellation Noise Cancellation Full Duplex Audio Advanced automatic Level Management First Mic Priority Software Management	
Expansion Options	Option to Connect Enterprise Telephone using Headset Port Option to Connect Audio Line IN+OUT for Video Conferencing Applications Option to Expand with another same full phone for larger group coverage	
MAF	Manufacturing Authorization letter should be attached with tender	
Headphone+ Mic for Correctional home		
Items	Technical Details	Compliance (Y/N)
General Description	USB plug & play simply plug in to your PC or Mac USB port	
Hardware Interface	USB Connector version 2.0 compatible	
Controls	Volume Up Volume Down	
OS Support	Windows 10 or latest	
Audio Input	With Inbuilt Microphone	
Power	USB Powered: 5VDC	

Software		
Items	Technical Details	Compliance (Y/N)
Environmental	Operating temperature: 0 - 60° C	
Technical Parameters	Should have Noise Cancellation Should have Full Duplex Audio	
MAF	Manufacturing Authorization letter should be attached with tender	
CPU for Correctional home		
Items	Technical Specification	Compliance (Y/N)
Processor	Intel Core i7-8700(8 th Generation)	
Chipset	Intel Q470 (H Series/Home chipset not allowed)	
RAM	RAM – 16 GB DDR4 RAM with 64 GB RAM expandability Minimum 1 RAM slots should be free	
HDD	Hard Disk 1TB SATA ,	
SSD	512GB	
OS	Window 10 Professional (Factory preloaded, OEM undertaking to be provided)	
LAN	Integrated on board 1Gbps Ethernet;	
PORT	Total 8 USB Ports with minimum 3 nos of 3.1 and 1 Type C Port (with at least 4 in front), 2 audio ports for microphone and headphone in front & back,1 VGA, 1 HDMI, and 1 Display Port out for connecting Monitor (Without any converter)	
PCI	Minimum 4 PCI express Slots and 1 M.2 port or higher	
SMPS	Minimum 250 watt or higher power supply with minimum 85% efficiency or higher	
Monitor	24" LED full HD monitor (1920x1080) Monitor should have dual inbuilt speakers Monitor should have TCO 08 and Energy star Certification. (Same as Desktop OEM Make)	
KB and Mouse	104 keys keyboard and optical scroll mouse (same from OEM Make). Heavy-duty Keyboard and Mouse.	
Cabinet	Semi tower cabinet with volume less than 18 ltr	

Software		
Items	Technical Details	Compliance (Y/N)
OEM Certification	ISO 9001, ISO 20000, ISO 14000, ISO 27000	
Product Certification	FCC, UL/MET, EPEAT India, Window 10, Linux and ROHS	
MAF	Manufacturing Authorization letter should be attached with tender	
Antivirus	Preloaded standard Antivirus Software	
Warranty	3 Years comprehensive warranty on all hardware and software supplied	
CPU for Court Room		
Items	Technical Specification	Compliance (Y/N)
Processor	Intel Core i7-8700(8 th Generation)	
Chipset	Intel Q470 (H Series/Home chipset not allowed)	
RAM	RAM – 16 GB DDR4 RAM with 64 GB RAM expandability Minimum 1 RAM slots should be free	
HDD	Hard Disk 1 TB SATA	
SSD	512GB	
OS	Window 10 Professional (Factory preloaded, OEM undertaking to be provided)	
Graphics	4GB Dedicated Graphics	
LAN	Integrated on board 1Gbps Ethernet;	
PORT	Total 8 USB Ports with minimum 3 Nos of 3.1 and 1 Type C Port (with at least 4 in front), 2 audio ports for microphone and headphone in front & back,1 VGA, 1 HDMI, and 1 Display Port out for connecting Monitor (Without any converter)	
PCI	Minimum 4 PCI express Slots and 1 M.2 port or higher	
SMPS	Minimum 250 watt or higher power supply with minimum 85% efficiency or higher,	

Software		
Items	Technical Details	Compliance (Y/N)
Monitor	24" LED full HD monitor (1920x1080) Monitor should have dual inbuilt speakers Monitor should have TCO o8 and Energy star Certification. (Same as Desktop OEM)	
KB and Mouse	104 keys keyboard and optical scroll mouse (same from OEM Make). Heavy-duty Keyboard and Mouse.	
Cabinet	Semi tower cabinet with volume less than 18 ltr	
OEM Certification	ISO 9001, ISO 20000, ISO 14000, ISO 27000	
Product Certification	FCC, UL/MET, EPEAT India, Window 10, Linux and ROHS	
MAF	Manufacturing Authorization letter should be attached with tender	
Antivirus	Preloaded standard Antivirus Software	
Warranty	3 Years comprehensive warranty on all hardware and software supplied	
Display for Court Room		
Items	Technical Specification	Compliance (Y/N)
Screen Size	Diagonal 49"	
Panel Technology	IPS	
Resolution	1920X1080	
Brightness	350nits	
Contrast ratio	1000:1	
Dynamic Contrast ratio	500000:1	
Audio Output	2x10w speaker built in	

Software			
Items	Technical Details		Compliance (Y/N)
Connectivity	2 Nos HDMI Ports, DVID, RGB, RS232C, RJ45, IR, USB, Audio, RS232C		
Functions	Temperature Sensor, Local Key Operation, USB Auto Playback, Local Contents Scheduling, Fail Over, Image Customization (Booting Logo/No Signal)		
Content Sync	(RS232C/Local Network), SNMP, ISM Mode, DPM, PM Mode, Wake on LAN, Smart Energy Saving		
Certifications	HDMI-CEC2, Conformal coating, Safety Certification- IEC 60950-1 / EN 60950-1 / UL 60950-1, Energy Star 7.0		
Power consumption	62 watt or less		
Warranty	3 years		
MAF	Manufacturing Authorization letter should be attached with tender		
1 KVA UPS			
Items	Technical Details	Parameters	Compliance (Y/N)
Technology	True Online Double Conversion IGBT based UPS system		
Input Parameters	Input Voltage	Single Phase, 220/230/240 VAC	
	Input Voltage Variation	160V – 280VAC 110 – 300VAC based on load	
	Input Frequency Variation	40 – 70Hz	
	Power Factor at rated load	0.99	
DC Parameters	Nominal DC bus voltage	36 V	

Software				
Items	Technical Details		Compliance (Y/N)	
	Battery backup	30 Min		
Output Parameters	Output Voltage	220 / 230 / 240 VAC		
	Frequency	50 Hz		
	Power Rating	1kVA/ 800 W		
	Overload Rating		110% for 10 minutes	
			130% for 1 minute	
	Output Voltage regulation	+ 1%		
LCD indicator		Load Level, AC		
		Mode, Bypass Mode, Battery Mode		
Environmental Parameters	Operating Temperature	0 o C to 40 o C,		
		continuous		
	Relative Humidity	90% RH		
	Protection Grade	IP 20		
Communication Port	USB			
Cold Start Facility	YES			
Certificates	ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 and CE			
MAF	Manufacturing Authorization letter should be attached with tender			
3 KVA UPS				
Items	Technical Details	Parameters	Compliance (Y/N)	

Software		
Items	Technical Details	Compliance (Y/N)
Technology	True Online Double Conversion IGBT based UPS system	
Input Parameters	Input Voltage	Single Phase, 220/230/240 VAC
	Input Voltage Variation	160V – 280VAC 110 – 300VAC based on load
	Input Frequency Variation	40 – 70Hz
	Power Factor at rated load	0.99
DC Parameters	Nominal DC bus voltage	96 V
	Battery backup	30 Min
Output Parameters	Output Voltage	220 / 230 / 240 VAC
	Frequency	50 Hz
	Power Rating	3kVA/ 2400 W
	Overload Rating	110% for 10 minutes
		130% for 1 minute
	Output Voltage regulation	+ 1%
LCD indicator	Load Level, AC Mode, Bypass Mode, Battery Mode	
Environmental Parameters	Operating Temperature	0 o C to 40 o C, continuous
	Relative Humidity	90% RH
	Protection Grade	IP 20
Communication Port	USB	

Software			
Items	Technical Details		Compliance (Y/N)
Cold Start Facility	YES		
Certificates	ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 and CE		
MAF	Manufacturing Authorization letter should be attached with tender		
6 KVA UPS			
Items	Technical Details	Parameters	Compliance (Y/N)
Technology	True Online Double Conversion IGBT based UPS system		
Input Parameters	Input Voltage	Single Phase, 220/230/240 VAC	
	Input Voltage Variation	180V – 280VAC	
	Input Frequency	50 Hz	
	Input Frequency Variation	46 – 54Hz	
	Power Factor at rated load	0.99	
DC Parameters	Types of batteries supported	VRLA SMF	
	Make	Exide/ Quanta	
	Battery Backup	30 min backup	
	DC ripple	< 2% rms	
	Output Voltage	220 / 230 / 240 VAC 1 phase	
	Frequency	50 Hz	

Software			
Items	Technical Details	Compliance (Y/N)	
Output Parameters	Power Rating	6kVA/ 4800 W	
	Overload Rating	110% for 10 minutes/	
		130% for 1 minute	
	Output Voltage regulation	+ 1%	
	Transient response for 100% load	+ 10%	
	Recovery time	10 milliseconds	
Environmental Parameters	Operating Temperature	0 o C to 40 o C,	
		continuous	
	Protection Grade	IP 20	
	Relative Humidity	90% RH	
Communication Port	USB		
Cold Start Facility	Yes		
Certificates	ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 and CE		
MAF	Manufacturing Authorization letter should be attached with tender		
8 Port Desktop Switch			
Items	Technical Details	Compliance (Y/N)	

Software		
Items	Technical Details	Compliance (Y/N)
Interface	Switch Should have 8x 10/100/1000 Base-T	
Performance	The switch should have min 8.3Mpps or higher forwarding rate and 4K MAC addresses	
Protocols	IEEE 802.3i, 802.3u, 802.3ab, 802.3x, 802.1p	
Operating Temperature	0°C~40°C	
Power Consumption	Max 8W (100VAC ~ 240VAC)	
Certification	CE, FCC, RoHS, BIS	
16 Port Network Switch		
Items	Technical Specification	Compliance (Y/P/N)
Interface	Switch Should have 16x 10/100/1000 Base-T	
Performance	The switch should have min 14.2Gbps or higher forwarding rate and 8K MAC addresses	
Protocols	IEEE 802.3i, 802.3u, 802.3ab, 802.3x, 802.1p	
Power Consumption	Max 20W (100VAC ~ 240VAC)	
Operating Temperature	0°C~40°C	
Certification	CE, FCC, RoHS, BIS	

The following infrastructure to be provided for installation and smooth function of VC solution:

Courts		
Sl No	Location	Description

1	Sealdah Court.	Electrical Power Socket to be included near CPU and Display unit. All the electrical wiring with sufficient light and table stand needs to be included. Curtains if required Needs to be provided.
2	Municipal Magistrates Court	Electrical Power Socket to be included near CPU and Display unit. All the electrical wiring with sufficient light and table stand needs to be included. Curtains if required needs to be provided.
3	City Sessions Court	Electrical Power Socket to be included near CPU and Display unit. All the electrical wiring with sufficient light and table stand needs to be included. Curtains if required needs to be provided.
4	Metropolitan Magistrate Court	Electrical Power Socket to be included near CPU and Display unit. All the electrical wiring with sufficient light and table stand needs to be included. Curtains if required needs to be provided.
5	Alipore Judges Court	Electrical Power Socket to be included near CPU and Display unit. All the electrical wiring with sufficient light and table stand needs to be included. Curtains if required needs to be provided.