

REQUEST FOR PROPOSAL

SELECTION OF VENDOR FOR SUPPLY, INSTALLATION, COMMISSIONING & MAINTENANCE OF AUTOMATED FACE RECOGNITION SYSTEM FOR KOLKATA POLICE

**Tender No. WEBEL/EOT/COM/20-21/00076
Dated: 10-05-2021**

**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
FRS	Facial Recognition System
FRVT	Face Recognition Vendor Test
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
NIST	National Institute of Standards and Technology
SLA	Service Level Agreement
SI	System Integrator
WBEIDCL	West Bengal Electronics Industry Development Corporation Limited

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NOTICE INVITING E-TENDER

Tender Reference Number: WEBEL/EOT/COM/20-21/00076

West Bengal Electronics Industry Development Corporation Limited (WBEIDC Limited), under the aegis of Department of IT & Electronics, Government of West Bengal invites RFP for the work detailed in Table 1. e-Tenders are invited by the WBEIDC Limited from the bonafide Dealers/Original Equipment Manufacturers/System Integrator (SI)/Traders/Registered SSI Units/Industrial Undertakings/Organizations own and managed by Govt. based on Medium and Large Scale units for Supply, Installation, Commissioning & Maintenance of Face Recognition System (FRS) for use of Kolkata Police. 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)
Selection of vendor for Supply, Installation & maintenance of automated Face Recognition System for Kolkata Police	Rs. 2,000/-	Rs. 7,00,000/-

- 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. 7,00,000 (Rupees Seven Lakhs 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. 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/20-21/00076 dated 10-05-2021
2.	Tender Version	1.0
3.	Brief description of project	Selection of vendor for Supply, Installation & maintenance of automated Face Recognition System for Kolkata Police
4.	Tender document Fee	Rs. 2,000.00 (Rupees Two Thousand only) through net banking or through RTGS/NEFT in the website https://wbtenders.gov.in as per G.O 3975-F(Y) dated 28 th July 2016 issued by Finance Department, Government of West Bengal. For details regarding payment procedure & guidelines on the same, bidders are advised to follow the mentioned order and portal
5.	Earnest Money Deposit	Rs. 7,00,000.00 (Rupees Seven Lakhs only) through net banking or through RTGS/NEFT in the website https://wbtenders.gov.in as per G.O 3975-F(Y) dated 28 th July 2016 issued by Finance Department, Government of West Bengal. For details regarding payment procedure & guidelines 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: 10-05-2021
8.	Documents download /Sale start date (Online)	Date: 10-05-2021
9.	Last Date and time of sending the queries (Online)	Date: 17-05-2021; 02:00 PM
10.	Pre-Bid Meeting (Online through Microsoft Team)	<p>Dated 20-05-2021 12:00 PM</p> <p>Click here to Join Pre-Bid Meeting</p> <ul style="list-style-type: none"> • Technical queries will be sent to Shri Suman Moitra, General Manager (BD), E-mail: suman.moitra@webel-india.com • Commercial queries will be sent to Wing Commander Pratul Show (Retired), General Manager (Commercial & HR), E-mail:

		pratul.show@webel-india.com
11.	Corrigendum, if any will be published (Online)	Date: 25-05-2021
12.	Bid Submission start date & time (Online)	Date: 25-05-2021 5:00 PM
13.	Last Date & time of submission of Tender document Fees & Earnest Money Deposit (Online)	Date: 02-06-2021 ; 12:00 PM
14.	Bid Submission closing date & time (Online)	Date: 02-06-2021 ; 12:00 PM
15.	Bid opening date & time for Technical Proposals (Online)	Date: 04-06-2021 ; 03:00 pm
16.	Date of uploading the final list of Technically Qualified Bidder (online) after disposal of appeals (if any).	To be notified later on
17.	Date for opening of Financial Bid (Online)	To be notified later on
18.	Contact Person	Wing Commander Pratul Show (Retired) G.M.(Commercial) E-Mail: pratul.show@webel-india.com

Section-A: Introduction of the project

1. Introduction

Facial recognition is an advanced technology that helps in discerning and identifying human faces from an image or video. A system employed to perform facial recognition uses biometrics to map facial features from the photo or video. It compares this information with a large database of recorded faces to find a correct match. Facial recognition is touted to be one of the top 3 methods of biometric recognition to identify people by measuring some aspect of individual physiology or anatomy. It can be used for everything from surveillance to targeted marketing.

High-level security system which is based on Face Recognition to match real-time data (live video footage, frames) with existing database (video file, frames). Authority should identify chosen person to the security system while using their face pattern on the camera (live feed). After detecting face, it will generate an alert through message to the concerned officers. We are expecting such algorithm-based security system which will be the fastest, accurate and reliable.

Term	Definition
Database	Collection of all the images and video files
Face Recognition	Control system for using human face for detection
Alert	A message after a successful detection
Features	Successfully matched images should be stored in secondary database with appropriate comparison.

FRS is needed for –

- Identification of Criminals,
- Fraud detection for Banking sector,
- Fraud Detection for Passports and Visas,
- Detection of Fraud Voters,
- Track Attendance,
- Improved level of security.
- Requires less processing compared to other biometric authentication techniques.

2. Objective

We are expecting high-level security system which is based on Face Recognition for Kolkata Police who

Want to match real-time data (live video footage, frames) with existing database (video file, frames). We should identify chosen person to the security system while using their face pattern on the camera (live feed). After detecting face, it will generate an alert through message to the concerned officers. We are expecting such algorithm-based security system which will be the fastest, accurate and reliable.

Section - B: Instruction To Bidder

1. Definitions

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

“Similar Works” shall comprise of Supply, Installation, and Commissioning & Maintenance of Face Recognition System (FRS) 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” 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 FRS solution 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

- i. The last date of submission of queries is Date: 17-05-2021; 02:00 pm. The queries shall be submitted in the format as provided below. Queries will be sent to Shri Suman Moitra, General Manager (BDs), E-mail: suman.moitra@webel-india.com . Commercial queries to be sent to Wing Commander Pratul Show (Retired), General Manager (Commercial & HR), E-mail: pratul.show@webel-india.com.
- ii. 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 through online platform. 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 through 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 rejection 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 Deadline, 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 bidder shall furnish an EMD of Rs. 7, 00,000.00 (Seven Lakhs only) through online only.

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 debarred 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 price 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 within specified time limit and comprehensive warranty support for a period of 3 (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 items & 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 valid for the 3 years plus 60 days 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 the successful bidder is registered under **Small Scale Industry/ MSME/ NSIC/ C&SSI Department, West Bengal**, it 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, Kolkata 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) 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 two 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 items & 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 PBG by the vendor.

20. Warranty & Maintenance:

- a) Contractor will have to give **3 (three) years** 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
 - any indirect, consequential loss or damage, lost profits, third party loss or damage to property or loss of or damage to data.
 - 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)

For all necessary hardware, software, Design Document, All Requirement Specification, 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

- a. 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.
- b. 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.
- c. 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 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. Bid Due Date

The last date and time of the bid submission has mentioned in the Table2: Fact Sheet of this document.

WBEIDCL may as its discretion extend the bid submission dead line and proper intimation in terms of corrigendum will be published at <https://wbtenders.gov.in> portal.

39. Late Bid

Late bid will not to be accepted by WBEIDCL

40. Opening of Bid by WBEIDCL

Bids shall be opened in online mode.

41. 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.

42. 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.

43. Bid Currencies

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

44. Price

- Price should be quoted in the Price Bid format (BOQ) 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.

45. 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.

46. Non-Transferability of Tender

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

47. 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.

48. 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.

49. 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.

50. 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 through online mode only.
- 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.

51. Erasures of Alternations

The offers with overwriting and erasures may make the tender liable for rejection if each of such overwriting/erasures/manuscript 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.

52. 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.

53. 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.

54. 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.

55. Authentication of Bids

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

56. General Terms

- a) All the pages of the bid document including supporting 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 the letter head of the bidder 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 as 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) 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.
- j) 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.
- k) The price offers shall remain firm within the currency of contract and no escalation of price will be allowed.
- l) The acceptance of the tender will rest with WBEIDCL authority and WBEIDCL 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.
- m) No variation in or modification of the terms of the Agreement shall be made except by written amendment signed by the parties.

57. Delivery/Completion of Work

The delivery/completion of work period shall in no case exceed a period of **180 days** of the issuance of Work Order. WBEIDC reserve the right to extend the delivery period against any satisfactory reason thereafter.

58. 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 should be in English and are should be handed over to WBEIDCL/ KP authority at the time of installation of items by the contractor.

59. Work Completion Duration

The work has to be completed within **180 days from the date of issuance of work order**. In case of non-completion of work, WBEIDC shall be entitled to levy and recover Liquidated damages/penalty as mentioned in Point No. 19 under this section. However, if the delay is due to any circumstances beyond the control of the contractor LD will be subject to discretion of the WBEIDCL authority. Any delay beyond **180 days** may result in cancellation of supply order and forfeiture of SD.

60. 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.

61. Payment

- a) The process of payment will be made on back-to-back basis and initiated only after receiving a satisfactory certificate by the Acceptance Committee to be formed for this purpose after completion of supply/execution of work.
- a) 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:

- The installation certificate has to be signed and sealed by competent KP authority.
- After implementation / installation of line items, payment will be done actual basis based on the price discovered through this tender.

62. 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.

63. 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.
- d) This Exit Management plan shall be furnished in writing to the WBEIDCL within 90 days from the Effective Date of this Agreement.

64. 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.

65. 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 will be rejected.

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

Sl. No.	Category Name	Sub-Category Description	Detail(s)
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.
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.

66. 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, 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

- 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.

67. 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.

68. 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 - C: 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.

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. Turnover

The bidder should have minimum average Annual Turnover of Rs. 3.0 Crore in last three financial years (FY 2017-18, FY 2018-19 & FY 2019-2020). A certificate from Chartered Accountant should be attached stating the annual turnover. Relevant documents in this regard needs to be submitted

The bidder should have minimum Aggregated Annual Turnover of Rs. 9.0 Crore in last three financial years (FY 2017-2018, 2018-2019 and 2019-2020). A certificate from Chartered Accountant should be attached stating the aggregated annual turnover for last three financial years (FY 2017-2018, 2018-2019 and 2019-2020). Relevant documents in this regard needs to be submitted

7. Credentials

Documents in the form of work completion certificates & payment certificates of executing similar nature of works done in any Govt. Department / Quasi Govt. Dept. / PSU or similar organization in last 3 financial years (FY 2017-2018, 2018-2019 and 2019-2020). Relevant documents in this regard needs to be submitted

8. Bidders Criteria/ Work Experience:

- a. The Bidder should be a System Integrator in the field of Video Analytics systems with registered office and operations in India. The company should be operational in India for at least last ten (10) financial years. Copy of trade license/certificate of incorporation/ copy of telephone/ electricity bill should be submitted.
- b. Intended Bidder should have prior experience in 1 (one) Video Analytics systems Project for Government of India or any of the State/UT Governments, or, Public Sector Units, value not less than Rs. 3 Cr or 2 (Two) orders of value not less than Rs. 1.5 Cr each or 3 (Three) orders of value not less than Rs. 1 Cr each in last 3 financial years (FY 2017-2018, 2018-2019 and 2019-2020). Relevant documents in this regard needs to be submitted.
- c. The Bidder should have registered office and service centre in Kolkata. These should be maintained during the entire duration of the Contract. Relevant documents in this regard needs to be submitted
- d. The Bidder shall provide 3 client references with name of designated person, address and phone number. Relevant documents in this regard needs to be submitted

9. Mandatory Certification

The bidder should have ISO 9001:2015 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.

10. PAN No.

The bidder should have in its name PAN (Permanent Account Number) with Income Tax authority in India. Relevant documents in this regard needs to be submitted

11. Goods & Services Tax (GST)

The bidder should have Goods & Services Tax Identification Number (GSTIN) in India in its name. Relevant documents in this regard needs to be submitted

12. Employees/Manpower under the Bidder

The bidders should have minimum 10 nos. of technically qualified support staff on their roles. A declaration in this respect has to be submitted.

13. Authorization/OEM Certificate

- a) 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.
- b) 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.
- c) 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. Relevant documents in this regard needs to be submitted
2	The Country of origin of the OEM should not have strained trade relation with INDIA. Relevant documents in this regard needs to be submitted
3	The OEM should have a presence in INDIA for the last five (5) years and should have been an online dedicated support centre in INDIA. Relevant documents in this regard needs to be submitted
4	The OEM should have experience in a similar field of the job (in video analytics). Supporting Document of such work needs to be submitted

Sl. No.	To Pre-qualify CCTV Manufacturers should satisfy the Eligibility Criteria mentioned below.
1	OEM of CCTV Camera Equipment should have its own company registered in India (under Incorporation of Companies Act, 1956/ 2013) since last 5 years. Any representation through a Dealer/ Distributor/ Joint Venture/ consortium/subsidiary shall not be treated as OEM. This has to be supported by necessary statutory documents.

Sl. No.	To Pre-qualify CCTV Manufacturers should satisfy the Eligibility Criteria mentioned below.
2	OEM should have Own Registered Offices & own Service Centres in India & Eastern Region since last 3 (three) years for which documentary evidence must be provided.
3	OEM should have a Quality Management System ISO 9001:2015 certified. Certificate Documents needed to be attached along with the bid.
4	Original Equipment Manufacturer (OEM) should have Average Annual Financial Turnover not less than Rs.50 Crores for the last three financial years (FY 2017-18, FY 2018-19 & FY 2019-2020). Relevant documents in this regard needs to be submitted
5	The OEM should have a manufacturing experience of five (5) years in INDIA or Globally. Certificate Documents needed to be attached along with the bid.
6	The MAC Addresses of the IP Cameras must be registered in the name of the OEM supplying the Cameras. Relevant documents in this regard needs to be submitted
7	The OEM must not be blacklisted or banned by any GOVT. organization in INDIA or Globally. Relevant documents in this regard needs to be submitted
8	Malicious Code Undertaking Letter By OEM. Relevant documents in this regard needs to be submitted
9	The OEM should not have been BLACKLISTED or BANNED or suspended by ONVIF. Relevant documents in this regard needs to be submitted
10	CCTV Camera and components must be in compliance with CE, FCC and UL certifications. Copy of the UL 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. Relevant documents in this regard needs to be submitted
2	OEM Should be ISO9001:2015 certified for design, Development for LAN & WAN products. Relevant documents in this regard needs to be submitted
3	OEM shall have ISO 9001:2015 and certified manufacturing facility in INDIA. Relevant documents in this regard needs to be submitted
4	All components shall be ROHS compliant. Declaration of ROHS shall be available in product datasheets. All the Fibre and copper components should be from a single OEM. Relevant documents in this regard needs to be submitted
5	The OEM must not be blacklisted or banned by any GOVT. organization in INDIA or Globally. Relevant documents in this regard needs to be submitted
6	OEM should be a member of Telecommunications Industry Association (TIA) committee. Membership shall be available for verification at www.tiaonline.org/about/member-list . Relevant documents in this regard needs to be submitted
7	All passive components must be from a single OEM. Relevant documents in this regard needs to be submitted

Sl. No	OEM Criteria for Switching Equipment
1	OEM should have Average Annual Financial Turnover not less than Rs.300 Crores for their business in India for the last three financial years (FY 2017-18, FY 2018-19 & FY 2019-2020). Relevant documents in this regard needs to be submitted
2	OEM should be Global Leader or Make in India for Wired and Wireless LAN Access Infrastructure at least for last consecutive 5 years. Relevant documents in this regard needs to be submitted
3	OEM should have valid ISO 9001 & ISO 14001 for design & development for Wired & Wireless Networking products. Relevant documents in this regard needs to be submitted
4	OEM Brand and company together presence in India should be at least for last 5 years. Relevant documents in this regard needs to be submitted
5	OEM should have own service centre in the state of installation. Relevant documents in this regard needs to be submitted
6	The OEM should not be banned or imposed sanctions by any Government institution in India or globally. OEM declaration to be submitted.

14. Proprietary Article Certificate

In case the bidder is **OEM** i.e. Manufacturing Units, he will have to submit authentic documents/ Propriety Article Certificate. Relevant documents in this regard needs to be submitted

15. 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.

16. Solvency Certificate:

The Bidder should submit a Solvency Certificate from a Nationalize Bank/CA. Relevant documents in this regard needs to be submitted

17. Incorporation certificate

The bidder should provide the certificate of incorporation under Company Act 1956. Relevant documents in this regard needs to be submitted

18. 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.

19. 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.

20. No Consortium

The bids shall be submitted by only the bidder. No Consortium and no subcontracting are allowed in this bid. Declaration in this regard needs to be submitted.

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

Section- D: Evaluation of Technical Bids

• **Technical Evaluation Criteria**

- 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 (9 Marks)
 - ii. Proposed Resource (10 Marks)
 - iii. Technical Presentation/ Demonstration (81 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.).

Above mentioned evaluation criteria would be divided into various sub-criteria, mentioned as follows.

• **Evaluation Matrix Details:**

#	Technical Evaluation Criteria	Description	Supporting Documents	Max Marks
A1	Aggregate Annual Turnover in last three financial years (FY 2017-2018, 2018-2019 and 2019-2020).	Minimum 3 Cr = 2 Marks >4 Cr to <= 5 Cr = 3 Marks > 5 Cr to <=6 Cr = 4 Marks > 6 Cr= 5 Marks	The Balance sheets and Certificate from the statutory auditor / Chartered Accountant for last three years (FY 2017-2018, 2018- 2019 and 2019-2020).	5
A2	Bidder should have experience in executing similar nature of works (i.e. installation of Video Analytics within 03 years)	Minimum 1 project with project value >=3 Cr or 2 orders value not less than 1.5 Cr each or 3 orders value not less than 1 Cr each >=4 marks OR 0 Marks	Work Completion Certificates + Work Order from the client (for completed projects);	4
B	Proposed Recourse	To be evaluated from the technical proposal documentation and technical presentation to the TEC. It would be evaluated on following parameters: <ul style="list-style-type: none"> ▪ Compliance to the 	Writeup documents in supporting of the criteria	10

		<p>requirements specified in the RFP = 0.33 Marks (for each 30 items mentioned in Technical Specification except point no 31)</p> <ul style="list-style-type: none"> ▪ Bidder shall provide response to each and every point in the Section-F: Technical Specification (Page No. 51) whether the items will fulfil the requirement as mentioned in the RFP document. 		
C	Technical Presentation/ Demonstration	<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 Demonstration to meet the requirements of the RFP ▪ Risks identification and proposed mitigation plan ▪ Testing Approach: <ul style="list-style-type: none"> ✓ Performance Testing (Response time definition on predefined load) ✓ Integration Testing <p><u>Note: 1.5 Mark for each 1 section of Demonstration Datasheet, Total 81 marks for 54 challenges.</u></p>	Writeup documents in supporting of the criteria	81

A. Bidder’s Strength & Technical Capabilities (9 Marks)

- a) 5 Marks for Aggregate Annual Turnover in last three financial years.
- b) 4 Marks for Work Completion with 1 Project value ≥ 3 Cr or 2 Project value not less than 1.5 Cr each or 3 Project value not less than 1 Cr each.

B. Proposed Recourse (10 Marks)

- a) 0.33 Marks for each 30 items (1 marks for each 3 item) mentioned in Technical Specification except point no 31 (Contingency expenditure). No major non complied will be accepted.

C. Technical Presentation/ Demonstration (81 Marks)

- a) The eligible bidders will be asked to give a live demonstration on the proposed FRS solution. The Proof of Concept should depict how it proposes to handle various types of images as mentioned in the Page No. 69 under Tentative Network Diagram; Section-F. 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.

Demonstration Evaluation Datasheet (1.5 mark for each 1 challenge, total 81 marks for total 54 challenges maintained in Part A and Part B):

Part- A

Day Light Test (10 Male & 5 Female Will Present in Testing Spot, From There 5 Male & 2 Female Will Be in Accused List Database) at 12:30 pm.

Sl. No.	Challenges	Face recognized (Yes/No)	% of Face Recognized	Remarks
1	With Mask-1 (surgical mask)			
2	With Mask-2 (N-95 Mask)			
3	With Mask-3 (doctor green mask)			
4	With Half Helmet			
5	With Sunglass			
6	With Cap-1 (monkey cap)			
7	With Cap-2 (Sports Cap)			
8	With surgical Mask & Sunglass			

Sl. No.	Challenges	Face recognized (Yes/No)	% of Face Recognized	Remarks
9	With N-95 Mask & Sunglass			
10	With doctor green Mask & Sunglass			
11	With surgical Mask & half Helmet			
12	With N-95 Mask & half Helmet			
13	With doctor green Mask & half Helmet			
14	Normal Open Face			
15	Inside of car (From Car Window)			
16	Bike Rider			
17	With Open Hair, Cheek & Ear Guarded by Hair for Female			
18	With Tie Up Hair, Only Ear Guard for Female			
19	Side Face			
20	With Bearded of moustache			
21	Face Cover with face shield			
22	With Turban			
23	Women with Scarf			
24	Subject Walking			
25	Subject in bus			
26	Subject is at 10 ft Distance			
27	Camera With Rain Guard to protect Lens			

Part- B

Night Light Test (10 Male & 5 Female will present in Testing Spot, from there 5 male & 2 females will be in accused list database) at 07:30 pm.

SL. No.	Challenges	Face Recognized (Yes/No)	% of Face Recognized	Remarks
1	With Mask-1 (surgical mask)			
2	With Mask-2 (N-95 Mask)			
3	With Mask-3 (doctor green mask)			

SL. No.	Challenges	Face Recognized (Yes/No)	% of Face Recognized	Remarks
4	With Half Helmet			
5	With Sunglass			
6	With Cap-1 (Monkey cap)			
7	With Cap-2 (Sports Cap)			
8	With Surgical Mask & Sunglass			
9	With N-95 Mask & Sunglass			
10	With doctor green Mask & Sunglass			
11	With surgical Mask & half Helmet			
12	With N-95 Mask & half Helmet			
13	With doctor green Mask & half Helmet			
14	Normal Open Face			
15	Inside of car (From Car Window)			
16	Bike Rider			
17	With Open Hair, Cheek & Ear Guarded by Hair for Female			
18	With Tie Up Hair, Only Ear Guard for Female			
19	Side Face			
20	With Beard and moustache			
21	Face Cover with face shield			
22	With Turban			
23	Women with Scarf			
24	Subject Walking			
25	Subject in bus			
26	Subject is at 10 ft. distance			
27	Camera with Rain Guard to protect Lens			

- a) Accused Database Photo-----> a photo of accused in B/W mode, a photo of accused captured from Old Photographs, a photo of accused captured from CCTV Recorded Video, Other photos will be captured in Live.

Note:

- I. Qualifying marks in live demonstrations will be 80% for consideration of financial bid**

- II. **The bidder has to comply technical specifications of all line items**
- III. **To qualify the technical evaluation, the bidder must score a minimum of 70 marks.**
- IV. **The bidder has to mention Country of manufacturing against each product items mentioned in the BoQ of this document.**
- V. **WBEIDC will notify the name of the eligible vendor in their website**

1. 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-E: Scope of Work

Scope of Work

- WBEIDC Ltd. invites bids for Supply, Installation, and Commissioning & Maintenance of Face Recognition System (FRS) along with 75 cameras for use of Kolkata Police.
- The selected vendor have to install 75 FRS Cameras at 25-26 locations. Location may have been increased upto 28 locations maximum. These cameras will get connected to the Head Quarter Data Centre located at Kolkata Police, Lalbazar, Kolkata- 700001
- The selected vendor will test all hardware and software operations and accomplish all adjustments necessary for successful and continuous operation of the solution at all the installation sites.
- The selected vendor must submit proposed implementation schedule to KP and to WBEIDC well in advance.
- The selected vendor shall be responsible for supply & implementation of the FRS solution and other items as per BoQ mentioned in this document.
- After successful implementation of the FRS solution and necessary knowledge transfer completed, the Successful Bidder must obtain signed completion certificate (Format will be provided to the selected vendor along with the Letter of Acceptance) duly certified by the respective consignee on the specific solution.
- The selected vendor shall send status report to WBEIDC on daily/ weekly basis as agreed during the agreement/ work order
- The selected vendor shall undertake to provide maintenance and troubleshooting support for the implemented solution for period of 3 years from the date of issuance of completion certificate.
- The selected vendor has to perform safe & secured data transfer from the main storage device to the backup storage facility provided by the KP authority after certain period of data retention in the main storage. They need to coordinate with KP authority for this activity.

Section– F: Bill of Materials & Functional Requirements

i. Bill of Materials:

Sl. No.	Item details	Qty.	Unit	Make & Model
1	4MP or higher Face Recognition Camera and 75 Face Camera License for FRS	75	Nos.	Bidder to Specify
2	VMS with Face Recognition Analytics including all required software and hardware connectivity with redundancy (ASIC/FPGA Based or Conventional Server Based)	1	Nos.	Bidder to Specify
3	The centralized storage system of 1 P.B. (usable space) with types of redundancy	1	Unit	Bidder to Specify
4	Core Switch (layer 3, 10Gig, 8 port)	2	Nos.	Bidder to Specify
5	42U rack with all accessories and PDU	1	Nos.	Bidder to Specify
6	Gigabyte PoE+ Switch (8 port))	21	Nos.	Bidder to Specify
7	ONU	21	Nos.	Bidder to Specify
8	Camera Mounting Accessories	1	Lot.	Bidder to Specify
9	Pole mounted Outdoor Junction Box (PVC). This has to be IP 55 complied	21	Nos.	Bidder to Specify
10	PON Module for OLT	21	Nos.	Bidder to Specify
11	OLT (24 port)	2	Nos.	Bidder to Specify
12	CAT 6 Outdoor Non-metallic Armoured Cable	3	Km.	Bidder to Specify
13	6 Core Single Mode Non-metallic Armoured Fiber Optic Cable	65	Km.	Bidder to Specify
14	Cat-6 Patch cord (5 meters)	12	Nos.	Bidder to Specify
15	Fibre Optic Pigtail with SC Connector	21	Nos.	Bidder to Specify
16	Cat-6 patch cord (1 meter)	21	Nos.	Bidder to Specify
17	Terminal Junction Box	50	Nos.	Bidder to Specify
18	Meter Feeder Box	21	Nos.	Bidder to Specify
19	1.5 mm 2 Core Copper Power Cable	2	Km.	Bidder to Specify
20	48 port Fibre Patch Panel (LIU) Light interface units	1	Nos.	Bidder to Specify
21	HDMI cable (5 meters)	4	Nos.	Bidder to Specify
22	RJ45 Connector	2	Box.	Bidder to Specify
23	Site preparation, pole erection, relocation & Installation for cameras	1	Job	-
24	10 KVA ONLINE UPS with 2 hrs. backup for server storage.	2	No.	Bidder to Specify
25	Connectivity	75	No.	Bidder to Specify
26	Total Installation Charges	1	Job	-
27	Comprehensive Maintenance and Support for 3 years	1	Job	-
28	Firewall with Firewall Manager	2	Nos.	Bidder to Specify
29	Smart Display Screen (55 inches) with Workstations – Industrial Standard	4	Nos.	Bidder to Specify
30	Desktop (Branded)	4	Nos.	Bidder to Specify
31	Contingency expenditure	1	Job	Bidder to Specify

Note :

- 1) Unpriced Bill of Materials (BoM) 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.
- 2) Selection will be done on Turnkey basis i.e. on total project cost.
- 3) Electrical connection will be facilitated by Kolkata Police at a point nearer to the place of installation. From that point rest of wiring to be done by the bidder. They will also responsible for installation of proper earthing at all the outer locations and its maintenance.
- 4) In future, any line items mentioned in the above Bill of Materials may be changed if they are already available at WBEIDC and KP authority will accept those available services.

ii. Functional Requirements:

FRS Functionalities:

1. Face detection, search, identification of a person from live CCTV video feed, frames as well as from existing data (video, frames).
2. Real time tracking of a suspected person's movement dynamically among different cameras located in different areas.
3. Create a timeline of a suspected person's movement based on Camera location on particular date.
4. Detect a person's appearance at a particular location and create alert instantly.
5. This whole detecting process should offline base as well as online (web-based).

FRS Features:

1. Dynamic detection to solve the deception of various photos on various carriers.
2. Night-time infrared, RGB fill light should be there.
3. Adopt dynamic video face detection and tracking recognition algorithm based on video stream.
4. Support specific network and LAN deployment mode.
5. High precision and fast recognition.
6. Multi-System with mass secure storage space with authorized user access and data authentication.
7. Should be able to integrate with other Crime Analytic Solution available with the Police Department
8. A master cross-reference table should be available for defining associations of the FRS primary index numbers, Transaction numbers and other agency-specific index numbers for maintenance of uniqueness of records.
9. Should conform Confidentiality, Integrity and Availability of data
10. End to end encryption of data
11. System should support JPEG2000 /PNG/BMP lossless compression for mug-shot images (ANSI/NIST – ITL 1-2011). Latest update 2015.
12. Facial Image standard should be as per the ISO/ IEC JTC1 19794: 2005 format.

13. The FRS should support diverse graphics and video formats as well as video feeds with infrared camera support.
14. The FRS should support image file formats like NIST, JPEG, JPEG2000, PNG, BMP, TIFF, GIFF, and Video formats AVE, AVI, MPEG, MP4, MOV, ASF and MKV. The procedure/process of import/export should be fully automatic.
15. **Live face detection** – Proposed face identification system can be constructed in such a way that can be easily created by placing a photo of another person in front of a camera.
16. **Mask Detection** – Facial recognition systems should be built to detect face mask, sunglass, face shields.
17. **Anti-profiling** – Facial recognition systems should be built to prevent profiling by race, age, gender or national origin.
18. **Face image quality determination** – A quality threshold can be used during face enrolment to ensure that only the best quality face template will be stored into database.
19. **Data purging** – Surveillance data should be automatically purged at regular intervals in accordance with industry best practices.
20. **Tolerance to face posture** – Face recognition system should have certain tolerance to face posture that assures face enrolment convenience: rotation of a head can be up to 10 degrees from frontal in each direction (nodded up/down, rotate left/right, tilted left/right).
21. **Identification Capability** – System functions can be used in 1-to-1 matching (verification), as well as 1-to-many mode (identification), many to 1 and many to many.
22. **Scalability** – Facial recognition solutions have to be able to quickly scale flawlessly across hundreds (or even thousands) of locations. This means that you need to find a solution that is built to handle large deployments. The solution should also have a support team in place to handle installations, including optimizing cameras for lighting conditions and angle.
23. **Real-time video analytics** – FRS should be real-time and recorded video streams of monitored environments, generating video metadata about moving objects or events, which provides invaluable information to law enforcement or first responders. Proposed FRS should provide real-time alerting about an incident in progress for predefined behaviors of people, vehicles, and objects. The software can identify perimeter breaches, abandoned objects, objects that are removed, people movement and vehicle activity. You can enhance the search and alert capabilities with other solutions.
24. **Video metadata indexing and search** – Proposed FRS Should rich content-based indexing and advanced search capabilities for the efficient analysis of video footage both in real time and investigation of past events. Proposed FRS should create an index that can be searched, analysed, and correlated in seconds. This approach allows for

real-time alerts and the rapid searching of hundreds of millions of past events to identify specific incidents and patterns.

25. **Event correlation** – Proposed FRS should process millions of events to provide correlation and trend analysis capabilities. Forensic search results on event and alert metadata can be analyzed on a histogram, heatmap, or a track summary view.
26. **Advanced event visualization** – Predefined events can be located and monitored on a graphic information system (GIS) map in the operator client user interface. Can also use the integrated video players to view recorded video footage of an event or activity that is under surveillance.
27. **Open framework for integrating sensors and events streams** – Proposed FRS Should have an open, standards-based, extensible architecture for a flexible, security-rich environment and can help to develop a comprehensive threat model that is customized to the business environment. There are several integration points within Intelligent Video Analytics and the solution can be integrated with third-party specialized analytics, such as external license plate recognition. Proposed FRS Should also be customized to meet the specific needs and operational processes of your environment, and to also support any unique requirements specific to forensic search and alert response.
28. **Advanced system management capabilities** – Proposed FRS should provide a web-based administrator client interface to help you to configure, customize, and fine-tune your environment. The administrator client provides a set of web-based tools to help you to manage the servers, database, logs, and other key parts of the system.
29. **Multiple camera types** – Proposed FRS Should provide capabilities for analysing video from multiple camera types, including cameras in motion, such as body worn cameras, in addition to live-streaming fixed cameras.

iii. BOM Functionalities:

1. The items identified in BOM are only indicative one. The FRS system should be designed and implemented in view of completeness, reliability, redundancy and scalability.
2. The vendor shall quote for the entire hardware, software, networking accessories and license related for the complete installation and commissioning of the FRS project as delineated in the Tender document.
3. The image template should be ISO/IEC 19794-5 : 2005(E) compatible and shall work in all respect in this regard.
4. The format to store face image data within a biometric data record must compliant to the Common Biometric Exchange Format Framework as mentioned in ISO 19785-1. The captured Face Image Data should also follow Standard for e-Governance Applications in India guidelines published by Ministry of Communications and Information Technology, Government of India on November 2010.

5. The Software Requirement Specification (SRS) of the web application software package needs to be reviewed and approved by WBEIDC to ensure that the requirements are correctly captured.
6. There should be provision for Future expansion in terms camera attachment, network connection and system capability.
7. The vendor should give full demonstration of the system before final acceptance.
8. Addition or alteration (if any) will be intimated in Pre-Bid meetings.
9. After acceptance of the project, during implementation, if any technical modifications, changes, alteration is required, the bidder has to cooperate with the instructions given by WBEIDC Technical Team.

iv. Technical Specification:

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
1	4MP or higher Face Recognition Camera and 75 Face Camera License for FRS	Licensing of 75 Face Recognition Camera including 75 cameras for a lifetime and should be Floating and further it may be extended to 5000 cameras.	
		Desired Specification for 4 MP Face Recognition Camera:	
		i) Camera: Image Sensor :1/1.7” or 1/1.8” CMOS or better Megapixel: 4 MP Resolution: 2560 x 1440 or similar or better Zoom: 5X Optical Zoom Shutter Speed: 1/25 s to 1/100,000 s Lens: Ranges: 2.7 mm to 13.5 mm or better Day & Night: IR Filter Digital Noise Reduction :3D DND 2-Axis Adjustment: Tilt: -45° to 90°, rotate: 0° to 355° or better	
		ii) Lens: Focal length: Vertical motorized Aperture: f1.4 – f1.8 IR: (White Light /Invisible IR) Min. Illumination: Color: 0.001 lux @(F1.2, AGC ON), 0.001 lux @(F1.4, AGC ON), 0 lux with IR WDR: 120 dB or better IR Range: 50 meters or better	
		iii) Compression Standard: Video Compression Standard: H.265/H.264/MJPEG	
		iv) Smart Feature-set : Image Enhancement: HLC, BLC, AGC, ROI Exception: Enhancement/Sharpening of Captured Image quality	
	v) GPU Module (Optional): Onboard GPU module, widely supported by the open-source development community is highly appreciated.		

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
		<p>vi) Network :</p> <p>Local Storage: Support Micro SD/SDHC/SDXC card 128GB or better local storage</p> <p>Network Storage: Support NAS, SAN (NFS), ANR</p> <p>Alarm Trigger: Motion detection, video tampering alarm, IP address conflict, illegal login.</p> <p>Protocols : TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE/ PPOE-, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour</p> <p>General Function: Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter</p> <p>API : ONVIF (PROFILE S, PROFILE G, PROFILE T)/ Q, ISAPI</p>	
		<p>vii) Face Recognition : Either through Edge Analytics/Video Analytics VMS</p> <ol style="list-style-type: none"> 1. Face Capture automatically select and output optimum face picture. 2. Face Recognition Instantly compare captured face pictures with those in face picture libraries. 3. Recognized faces trigger the alarm if alarm action is configured. 4. Face Matching from old data base 	
		<p>viii) Image :</p> <p>Resolution : 2560 x 1440 or similar or better</p> <p>Video Compression- H .265/ better</p> <p>Mainstream: Minimum 25fps with High Defined Resolution (HDR)</p> <p>Day/Night Switch: Auto/Schedule/Triggered by Alarm In</p>	
		<p>ix) General :</p> <p>Physical Protection: IP67 or better for rain Protection, thunder & lighting Protection, IK-10.</p> <p>CCTV camera should support audio recording facility. Preferably the devices should have inbuilt recording facilities. If the inbuilt recording facilities are unavailable, then it should support external audio recording device.</p>	

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
2	VMS with Face Recognition Analytics including all required software and hardware connectivity with redundancy (ASIC/FPGA Based or Conventional Server Based)	<p>Face Recognition System and Compatible Video Management Software in ASIC (application-specific integrated circuit) based system or conventional server-based system.</p> <p>VMS is mandatory in this project. The analytic system should be a feature of the VMS or from any third party analytics platform.</p> <p>The hardware of the VMS is Bidder's scope</p> <p>In the case of analytics, if the system is ASIC based then, that will be the Bidder's scope. The VMS should support video compression H.265/265+</p> <p>In case of conventional server system the Preferable configuration of the Server alike:</p> <p>Main Memory: 32GB or higher Processor: 16 Core or higher Processor Speed: 3.0 GHz or higher GPU : 15GB or higher Cache Memory: L3 Cache 30 /20-25 MB or higher Hard Disk : 1TB SSD/SAS, 16TB HDD Capacity or higher (As per bidder's Design , Approx 70 TB/Month)</p> <p>NIC Card: 2*1 gigabit port or higher FC Port : 4 or higher/As per Design/ 2</p>	

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
3a	The centralized storage system of 1 P.B. (usable space) with types of redundancy	<p>Solution/ Type:-</p> <p>a) Storage Solution with NSPoF (No single point of failure) Architecture. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support SAS / SATA /NL-SAS Disk Drives (latest Drive interface).</p> <p>b) Protocol Support - CIFS/SMB/NFS/iSCSI/FC</p> <p>c) Storage Solution to configured with minimum 128GB DRAM based system memory / cache across Storage controller/Storage node configured.</p> <p>Capacity:- Storage should be offered with minimum 1 PB usable capacity.</p> <p>Storage:-</p> <p>a). Storage Capacity should be as per Overall Solution Requirement (usable, after configuring in offered RAID configuration)</p> <p>b). Should be able to scale out without service interruption</p> <p>c). Application and user must not be affected with underlying storage system's change"</p> <p>d). Proposed Storage System should be scalable (vertically/ horizontally) and Solution should be elastic - can expand and shrink capacity based on demand.</p> <p>Hardware Platform:-</p> <p>a) Rack mounted form- factor</p> <p>b) Modular design to support controllers and disk drives expansion.</p> <p>c) Support both IPv4 and Ipv6</p> <p>d) Should have minimum of 8x10/40 Gbe or 8x16Gb FC Host ports.</p> <p>e) Storage shall have minimum front-end support for 10 / 16 Gb and backend support for minimum 12 Gb.</p>	

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
3b	The centralized storage system of 1 P.B. (usable space) with types of redundancy	<p>Redundancy and High Availability:- The Storage System should be able to protect the data against single point of failure with respect to hard disks, connectivity interfaces, fans and power supplies</p> <p>Management software:- a) All the necessary software (GUI Based) to configure and manage the storage space, RAID configuration, logical drives allocation, snapshots etc. are to be provided for the entire system proposed. b) Should also include storage performance monitoring and management software c) Should provide the functionality of proactive monitoring of Disk drive and Storage system for all possible disk failures</p> <p>O/S Support:- Support for multiple Operating Systems connecting to it, including of Windows and Linux</p> <p>Warranty and Support:- a) Warranty: 3 Years 24 X 7 Support with NBD Part Replacement comprehensive warranty. b) The bidder should propose complete BoM with part codes of sub-components, warranty, license, and subscription etc. for 3 years. c) The OEM should be available in India Market for last 5 years d) The OEM should have Service Center in Eastern part of India e) The OEM should have TAC support in India f) Any other components required to fulfil the Storage design requirement should be mentioned.</p>	
4	Core Switch (layer 3, 10Gig, 8 port)	<p>Core Switch (Layer-3)</p> <p>Switching Type: Layer 3 No of Port: 8 or higher Security: Enable and disable ports Port security (MAC-based): Static and dynamic Switch capacity: 400Gbps or higher Switch forwarding rates: 300 Mbps or higher for both IPv4 and IPv6</p> <p>Others Features: Stacking Capabilities, LACP Capable, MAC binding Capabilities</p>	

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
5	42U rack with all accessories and PDU	42U Floor Standing Network Rack Width: 800mm Depth: 1000mm Casters Set of 4 Adjustable Levellers set of 4 Mounting Hardware-(Pack of 20) FAN unit with 4 FANs 360CFM Vertical Power Distribution Unit with 12 x 5/15Amp Round Pin sockets Horz. Cable Manager or better	
6	Gigabyte PoE+ Switch (8 port)	8 x Gig Copper 802.3af/802.3at Ports, POE+ Capabilities must be over 100 meters 2 x SFP (1 Gig) slots PoE power budget: 240Watt or higher Physical console port for CLI management IP30 rated metal or plastic enclosure Operating Temp: 0°C to 50°C	

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
7	ONU	<p>1. PON Interface : SC dual-mode/single-fiber, GPON Mode: Downstream rate 2.5Gbps, Upstream rate 1.25Gbps</p> <p>2. Wavelength : Tx 1310nm, Rx 1490nm</p> <p>3. Sensitivity : <-27dBm(CLASS B+) , Overload : >-8dBm(CLASS B+)</p> <p>4. Optical interface : SC/ PC</p> <p>5. Interface Type : 1 No. 10/100/1000Mbps auto adaptive Ethernet interface, Full Duplex/ Half Duplex, RJ 45 Connector</p> <p>6. Indicators : 3, For SYS, LINK/ACY, REG</p> <p>7. Power : 12V,0.5A, external AC-DC power adaptor</p> <p>8. Power Consumption : <= 5W</p> <p>9. Operating condition : Operating temp: 0 ~ +60 C, operating humidity: 10-90%(non condensed)</p> <p>10. Basic (GPON) : Support authentication SN/Loid/ Loid+ Password TCONT(Max 8) GEM(Max 32)</p> <p>11. Alarm : Support Dying Gasp , Support Port Loop Detect , Support Eth Port Los</p> <p>12. LAN : Support Port rate limiting , Support Loop detection , Support Flow control , Support Storm control , Support Mac limiting(max mac limit 500)</p> <p>13. VLAN : Support VLAN tag mode Support VLAN transparent mode Support VLAN trunk mode(max 16 vlans) Support VLAN 1:1 translation mode(max 16 vlans)</p> <p>14. Multicast : Support IGMPv1/v2 Support IGMP Snooping Max Multicast vlan 8 Max Multicast Group 255</p> <p>15. QoS : Support 4 queues Support SP and WRR Support 802.1P Classification: D-MAC/S-MAC/D-IP/S-IP/L4-S-Port/L4-D-Port/Vlan/Cos/Ether Type/DSCP</p> <p>16. Management : OMCI(GPON), Support WEB, Support TELNET</p> <p>17. Packet lost : 14Hours /Lost 0</p>	

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
8	Camera Mounting Accessories	Bidder's scope. Tentatively the components may be as follows: 128 GB Micro SD Card Camera Mounting Pole Outdoor Joint Box 4"/6" PVC box 1" Flexible PVC pipe 12 Volt 4 Port SMPS for Camera 12 Volt 8 Port SMPS for Camera SMPS Power Supply for PTZ camera 1MM 2Core Shielded Copper Power cable 2.5MM Copper Power Cable 3 Port Power Point with MCB	
9	Pole mounted Outdoor Junction Box (PVC/ MS)	Flameproof, Waterproof, Weatherproof Junction Box (Branded or Customized)	
10	PON Module for OLT	Bidders Scope	

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
11a	OLT (24 port)	<ol style="list-style-type: none"> 1. Chassis : Rack Mountable: 1U 2. Chipset : Broadcom 3. GPON Port : Physical Interface: SFP Slots 4. Connector Module Type: Class B+/C+/C++ 5. QTY: 8&shy 6. SFP: 4x10GE SFP+ 7. 2xGE RJ45 or better 8. Uplink Port : Ethernet: 10/100/1000M auto- negotiation 9. Max splitting ratio: 0.130555556 10. Transmission Distance : 20KM 11. GPON port speed : Downstream: 2.5Gbps 12. Upstream: 1.25Gbps 13. Wavelength : TX 1490nm, RX 1310nm 14. Connector : SC/PC 15. Fiber Type : 9/125µm SMF 16. TX Power : +1~+5dBm 17. Rx Sensitivity : -28dBm 18. Saturation Optical Power : -8dBm 19. Management Mode : SNMP, CLI, WEB(optional) or EMS. 20. Max ONU : 1024 21. Fan Group Detecting; 22. Port Status monitoring and configuration management; 23. GPON management function: DBA, ONU 24. authorization, ACL, QOS, etc.; 25. Management Function : Online ONU configuration and management; 26. User management; 27. Alarm management. 28. Layer2 Switch : Fully support of QoS 29. Support VLAN Translation 30. Support VLAN QinQ, 	

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
11b	OLT (24 port)	31. Support VLAN tagging, trunk 32. Support VLAN Aggregation 33. Support Link aggregation 34. Support port isolation 35. Support RSTP; 36. MAC limit, L2 –L4 ACL 37. Multicast : IGMP snooping; 38. 512 IP Multicast Groups; 39. DHCP : DHCP relay; 40. DHCP snooping; 41. ARP, ARP proxy 42. DHCP relay, DHCP proxy 43. Layer 3 Route : Static routing, Dynamic routing 44. Tcont dba; 45. Gemport traffic; 46. In compliant with ITUT G.988 Standard; 47. Support data encryption, multi-cast, port VLAN, separation, RSTP, etc.; 48. Support ONU auto-find/link detection/remote upgrade of software; 49. Support ONU Multiple Authorization: Loid, LOID+ Password, SN, etc. 50. Support VLAN division and user separation to avoid broadcast storm; 51. Support VLAN Pool; 52. Support ONU RF management 53. Support power-off alarm function, easy for link problem detection; 54. Support broadcasting storm resistance function; 55. Support port isolation; 56. Support ACL to configure data packet filter flexibly; 57. Support OMCI; 58. Support AAA Authentication and Authorization using RADIUS or TACACS+ server 59. GPON Function : Support ONU distance calculation on NMS; 60. Support IGMP Proxy. 61. Support Loop Detection; 62. Support Rogue ONU Detect; 63. Support Rogue ONU Detect; 64. Power Supply : 220V/48V - Redundant Power supply 65. Power Consumption : <100W 66. Operating Temperature: 0~+65°C 67. Relative Humidity: 10~90% (non- conditioning)	

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
12	CAT 6 Outdoor Non-metallic Armoured Cable	Cat6 U/UTP 4 pair Outdoor Cable, solid bare copper with cross filler pair separator exceeding TIA 568-C.2 standard, Horizontal Cabling Category 6 shall be 23 AWG, 4 Pair UTP, Outdoor double jacketed, Inner Jacket - Polyethylene (PE), Outer jacket – LSZH, Max pull force <14 Kg, Outer Diameter 7.2mm, conductor Resistance <=9.38 ohm/100 mtrs. Delay Skew <45 ns., Temperature Range -20 to +70 Deg C	
13	6 Core Single Mode Non-metallic Armoured Fibre Optic Cable	6 fiber Single Mode, non-metallic armored, Multi-tube, Gel-filled cable complying to ANSI/TIA 568-C.3, Telcordia GR-20, ISO/IEC 11801 suitable for use in aerial, outdoor ducts and backbone cabling. Single Mode, 9/125/250 micron primary coated buffers, OS2 (ITU T G652.d), All di-electric non-metallic armoring suitable for outdoor/aerial installations. Single PBTP Loose tube filled with water blocking Thixotropic gel. All fibers and tubes must be color-coded as per TIA 598-C standards. Tensile Strength: 4000 N or better. Crush Resistance: 3000 N or better. Loose OD: 2.3 mm nominal. Jacket material HDPE outer jacket with min 1.5mm thickness, strength members should be Central FRP rod strength member around which the loose tubes should be arranged symmetrically and Water blocking Glass yarn strength members at the periphery of the multiple loose tube arrangement and shall have 2 rip cords beneath the outer jacket. The loose tube core should be wrapped first by glass yarns and then by water sellable polyester tape. The cable weight within 110-120kg/Km, cable diameter No more than 11.00 + /- 0.5 mm. The Color of the Cable should be RED .	
14	Cat-6 Patch cord (5 meters)	CAT6 UTP Patch Cord, 24 AWG, ANSI/TIA 568-C.2, ISO/IEC 11801 compliant, Intertek 4 connector channel certified, UL, LSZH, Retention min. 25 lb.	
15	Fibre Optic Pigtail with SC Connector	Connector Type: SC Corning single-mode: G652D, G657A, G657B Cable Type: OM2 Insertion Loss: Typical ≤0.2dB, Max. 0.3dB MTRJ: Max. 0.5dB Return Loss >PC≥45dB, UPC≥50 dB, APC≥60dB≥30dB	
16	Cat-6 patch cord (1 meter)	Same as Cat-6 Patch cord (5 meters)	
17	Terminal Junction Box	a) Usage for FTTH and standard application for Optical Fiber b) Frequency upto 50 to 60 Hz c) Standard Rectangular Shape d) Support cable 3mm to 13mm e) Support patch cord of 2 to 3mm f) Standard operating temperature of upto 65°C g) Standard Plastic Enclosure Material h) Robust in design	

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
18	Meter Feeder Box	a) Installation type Outdoor b) Rated Voltage to 430V c) No of Phases complies of 3 d) Frequency to 50Hz e) System Earthing to Solid at Source end f) Impulse Voltage withstand upto 8kV g) Temperature rise protection feasibility h) Enclosure Material of Cold Rolled Steel	
19	1.5 mm 2 Core Copper Power Cable	PVC complies sheath Core complies 2 Short Circuit Rating of 0.169 for Copper Conductor PVC Size of Conductor 1.5sqmm Conductor Material Copper Circuit Rating 15Amp Resistance (Max) per Km at 20°C to 13.3Ω Number/Nom Dia. Of Wires 30/0.25mm thickness of insulation 0.6mm Overall Diameter of 7.6mm	
20	48 port Fibre Patch Panel (LIU) Light interface units	Environment temperature: -40°C ~+80°C Relative humidity: ≤85% (30°C) Atmosphere pressure: 70~106KPa 48 LC Fiber Ports (Expandable to 288 LC Fiber Ports in 2 RU) 4 MTP Elite (12 Fiber) Connectors in Rear for Core Connection Super Compact Design with Premium Front & Rear Wire Management Trays	
21	HDMI cable (5 meters)	Standard Material of Brass and Rubber Thickness from 1.5 ~ 7mm Colour corresponds to Black Voltage complies of 220V Power rating from 1-3kW and 3-6kW High Durability, Ductile and Crack Resistant	
22	RJ45 Connector	Transmission performance: - Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11 801:2002 Transmission rate: - 10/100 Mbit/s and 1/10 Gbit/s Shielding: - Fully shielded, 360° shielding contact Mounting: - Field-assembly Cable termination: - With piercing contacts Connectable cables -Conductor cross section AWG 24/7 ... AWG 22/7 (stranded) Conductor diameter: -Max. 1.6 mm (incl. insulation)	

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
23	Site preparation, Supply & pole erection, relocation & Installation for cameras	As required when needed to install, maintain/modify the view, angle, height, location of the camera.	
24	10 KVA ONLINE UPS with 2 hrs. backup for server storage etc.	10 KVA 3 Phase online ups with Battery for 2 hrs of backup (VAH 28800). Power Capacity: 10 kW / 10000 VA Input voltage range: 170-300 VAC output voltage: 220/230 +- 1% Efficiency: up to 96% online, 99% in eco-mode Paralleling: upto 4 units Display: LCD display An intuitive user interface, Straightforward installation, Replaceable dust filters, Parallel capability, etc. preferable.	
25	Total Installation Charges	As required to Establish stable networking connectivity within the Servers and necessary wired/wireless connectivity to Data Centre along with desired high bandwidth for uninterrupted data flow.	
26	Maintenance and Support for 3 years	Including all type of maintenance and support for 3 years	

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
27	Physical Firewall with Firewall Manager	<p>Networking Features: -></p> <p>1 Deployment Mode:- The firewall should be deployable as Gateway (L3) as well as Transparent (L2) mode</p> <p>2 Routing:- The firewall should support the following routing protocols:</p> <ol style="list-style-type: none"> OSPF V2 & V3, BGP, RIP, Static Routing Policy based forwarding Multicast: PIM-SM, PIM-SSM, IGMP v1, v2 and v3 Bidirectional scanning <p>3 IPV6:- The firewall should be IPV6 ready & certified from day one along with features like application awareness/control, Content Inspection, detection of Zero-day threats and inspection of SSL traffic</p> <p>4 IPsec VPN:- The firewall should support IPsec VPN. Licenses should be provided for 100 users from day one:</p> <ol style="list-style-type: none"> Key-Exchange: Manual Key, IKEv1 and IKEv2 (pre-shared key, certificate –based authentication) Encryption: 3DES,AES(128,192,256 bit) Authentication: MD5,SHA-1,SHA-256,SHA-384,SHA-512 <p>5 Network Address Translation (NAT):- The firewall should support the following :</p> <ol style="list-style-type: none"> NAT modes (IPv4): Static IP, dynamic IP, dynamic IP and port (port address translation). NAT64 . Additional NAT features: Dynamic IP reservation. <p>6 High Availability (HA):- The firewall should support deployment in</p> <ol style="list-style-type: none"> Modes: Active/ Active & Active / Passive Failure detection: Path monitoring, Interface monitoring <p>7 SSL VPN:- The firewall shall be licensed for 100 SSL VPN users for each installation.</p> <p>8 Architecture:- Should have hardware architecture based on multi core CPU's to protect & scale against dynamic latest security threats</p> <p>Performance:-></p> <p>9 Software Modules:- The firewall should have the following software modules:</p> <ol style="list-style-type: none"> Firewall VPN: IPsec and SSL Intrusion prevention system Anti-Virus & Anti-Malware Anti bot Content and application awareness Category based Web & URL filtering Gateway level Anti-Spam service Gateway level Data Leak Prevention service Cloud based Sandboxing detection engine 	

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
		<p>10 Performance:- a. The firewall should deliver a Threat Prevention Throughput of Min. 2 Gbps with multiple security modules implemented and running with logging enabled.</p> <p>b. The firewall should deliver Min. 2 Gbps of SSL Inspection Throughput from day one.</p> <p>c. The firewall should have the capability to support minimum 250,000 new connections per second from day one.</p> <p>d. The firewall appliance should support logical virtualization of Firewall with minimum 5 Virtual Firewalls support from day one.</p> <p>Hardware :-></p> <p>11 Ports:- Min 10 Nos. of 1GE RJ45 ports for data communication from day one. Min 6 Nos. of 1GE (SFP) ports populated with 2x1GE SFP multimode transceivers from day one. Min 2 Nos. of 10GE (SFP+) interface slots ready from day one to be used just by putting the needful transceiver in future as on when required along with the other 1GE Copper & SFP interfaces. Additional High Availability ports for connecting Firewalls in Active-Active cluster should be provisioned for future use.</p> <p>12 Management Ports:- Min. 1 No. of 10/100/1000 RJ45 port for managing the firewall using its Web Interface. Min. 1 No. of Console port Min. 1 No. of USB port.</p> <p>13 Storage:- The Firewall should have minimum 450GB of Internal storage for keeping the logs & generating reports</p> <p>14 Power Supply:- Dual inbuilt redundant power supply from day one</p>	
28	Smart Display Screen (55 inches) with Workstations – Industrial Standard	Smart Industrial Standard display screen (55 inches) with 3 HDMI ports and 2 USB ports and with A+ Grade LED Panel UHD HDR PRO.	
29	Desktop	<p>PROCESSOR: Intel i7 or higher</p> <p>RAM: 16 GB or higher</p> <p>GRAPHICS CARD: 2 GB or higher</p> <p>SSD: 480 GB OR higher</p> <p>HDD: 1 TB or higher</p> <p>MONITOR: 32 INCH</p> <p>OS: Windows 10 Pro</p> <p>Antivirus: Preloaded Antivirus</p> <p>Warranty: 3 Years Warranty including all Software and OS</p> <p>Note: All the Desktops have to be branded.</p>	
30	Contingency expenditure	Contingency amount set aside to cover any unforeseen expenses of the project.	

Sl. No.	Items	Details	Compliance (to be filled in by bidder) (Y/N)
31	Connectivity	Connectivity from CCTV installation site to the Data Center through OFC.	

[**Note** : The Bidder has to mention the actual value of the parameters/details in the Column-4 instead of merely mentioning “Complied” and to provide exact data sheet/technical documents for items as mentioned in BoQ].

v. Functional Compliance:

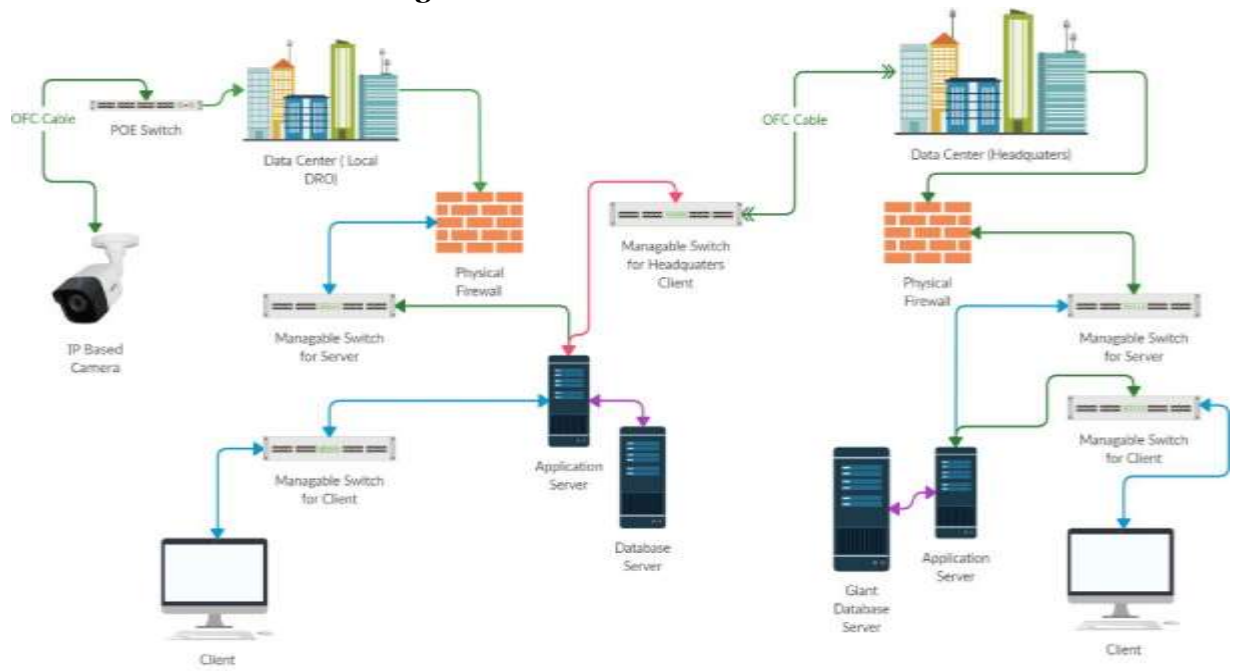
Sl. No.	Requirements	Compliance (to be filled in by bidder) (Y/N)
1	<p>FRS Security : It is important to invest in a face detection system that is built to protect privacy. Some privacy-related features to look for include:</p> <ul style="list-style-type: none"> i) Data encryption – Image data is encrypted both at rest and during transmission. ii) Data breach precautions – Biometric templates stored within the facial recognition system should never be converted back into a face image in the case of a data breach. iii) Data Privacy - System access with password and login controls according to standard guidelines. An efficient video translation service facilitates data privacy protection compliance. 	
2	<p>Working Functionalities of Proposed FRS System : VMS is mandatory in this project. The analytic system should be a feature of the VMS or from any third party analytics platform.</p> <p>The following list outlines the prerequisites and the minimum system requirements for face recognition :</p> <ul style="list-style-type: none"> i) The Smart Surveillance Engine (SSE), Deep Learning Engine (DLE), and middleware for large scale surveillance (MILS) components must meet the minimum hardware, software, and network connectivity system requirements. ii) Picture based and Video-based search must be there. iii) The incoming video stream or recorded video must be from a channel that is configured to use the near field People Search or the Body Camera Analytics analytic profiles. iv) Video from a static camera must be in a video management system that is supported. v) We must have the appropriate access to enrol people in the watch list and to search against the watch list. 	
3	<p>Formats :</p> <ul style="list-style-type: none"> i) The input format of the images may be in any format. So, you have to ensure that the FRS can handle/process any kind of image format and size may vary. ii) The face images that are enrolled in the watch list database must be in compatible file format. 	

Sl. No.	Requirements		Compliance (to be filled in by bidder) (Y/N)
4	Security :	All functionalities of the FRS and data manipulation system should be done or maintained in such a manner that no unauthorized activities will never occur.	
5	Future Wireless Network (alike) : (Optional or Future Scope)	<ol style="list-style-type: none"> 1. Static IP Based Connectivity 2. The Internet Service provider will provide the Static IP and which will be accessed anywhere through the Internet using a password. 3. High throughput and bandwidth (approx. 100GBPS) Internet with Stability should be required through the Network to meet the said RFP. 4. Proper Security with Firewall should be there. 	
6	Future Wired Network (alike) :	<ol style="list-style-type: none"> 1. If required, the vendor can create a VPN. 2. High-level throughput and bandwidth should be required through this Network to meet the said RFP. 3. The server should be secured by at least a Firewall with the help of a firewall manager. 4. Three-Tier (Three Layer) hierarchical network model preferred. 	
7	Details of Firewall and firmware :	We need a Firewall Manager that can ensure existing and newly created resources comply with a mandatory set of security policies automatically. The service can discover new Application Load Balancers as they are created across resources.	
8	Realtime Message Alert:	Alert system will work when a user given input throws into the system (FRS), it will search (by applying a searching algorithm) real-time feed as well as existing feeds. After detecting the desired face, it will generate an alert along with information and send it to the concerned authority. The time gap between capturing face and alert trigger, shouldn't be greater than industrial standard.	
9	Face Detection Challenges	<ol style="list-style-type: none"> 1. False Positive Recognition. 2. Camera position and angle concerning the person. 3. Presence of beard, moustache, glasses, etc. 4. Facial Expressions. 5. Occlusions by long hair, hand. 6. Image conditions: 7. Lighting condition 8. Distortion 9. Noise 10. Compression 11. Presence of face mask, face shield, etc. 	

Sl. No.	Requirements		Compliance (to be filled in by bidder) (Y/N)
10	Security and Privacy Concerns	Facial recognition systems are currently being studied or deployed for airport security and it is estimated that more than half of the Growing Countries population has already had their faceprint captured. Data from a facial recognition system may be captured and stored, and an individual may not even know. The information could then be accessed by a hacker, and an individual’s information spread without ever knowing it. This data could be used by Government agencies or advertisers to track individuals as well. Even worse, a false positive may implicate an individual for a crime they are not guilty of.	

[**Note :** The Bidder has to mention the actual value of the parameters/details in the Column-4 instead of merely mentioning “Complied”].

vi. Tentative Network Diagram



DRAFT

Fig. 1: Wired Network Architecture (Tentative)

Section – G: 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/20-21/00076

Sub: Submission of RFP for “Selection of vendor for Supply, Installation & maintenance of automated Face Recognition System for Kolkata Police”.

Dear Sir/Madam,

We have examined the RFP document, we, the undersigned, herewith submit our RFP in response to your RFP no. _____ dated _____ for “Selection of vendor for Supply, Installation & maintenance of automated Face Recognition System for Kolkata Police.”, 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: RFP for Selection of vendor for Supply, Installation & maintenance of automated Face Recognition System for Kolkata Police (Ref: RFP No. WEBEL/EOT/COM/20-21/00076)

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				
2	Sales turnover from FRS Business				

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/20-21/00076 dated 10-05-2021

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 5 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-PERFORMANCE 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 Selection of vendor for Supply, Installation & maintenance of automated Face Recognition System for Kolkata Police.

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 Selection of vendor for Supply, Installation & maintenance of automated Face Recognition System for Kolkata Police.

WHEREAS we _____ ("the Bank", which expression shall be deemed to include its successors and permitted assigns) have agreed to give Kolkata Police 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 WBEIDCL

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 WBEIDCL 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 WBEIDCL 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 WBEIDCL any and all sums demanded by WBEIDCL Under the said demand notice, subject to the maximum limits specified in Clause 1 above. A notice from WBEIDCL 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 WBEIDCL 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 notwithstanding any security or other guarantee that WBEIDCL 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 WBEIDCL Or any other indulgence shown by WBEIDCL 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

a. 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 last telephone/ electricity bill of the firm				
4.	Copy of The Partnership Deed/ Incorporation Certificate/ Society Registration Copy	YES	NO		
5.	Copy of Latest Professional Tax Challan	YES	NO		
6.	Copy of Pan Card	YES	NO		
7.	Copy of Latest Income Tax Return	YES	NO		
8.	Copy of GSTIN	YES	NO		
9.	Credentials & Other Papers, If Any	YES	NO		
10.	Balance Sheet of Last 3 Years	YES	NO		
11.	Profit and Loss Account of Last 3 Years	YES	NO		
12.	Solvency Certificate from Bank/Registered Chartered Accountant	YES	NO		
13.	Certificate from Chartered Accountant specifying the net worth of the company.	YES	NO		
14.	Turnover Duly Certified by C.A. Last One Year	YES	NO		
15.	Undertaking Regarding Blacklisting	YES	NO		
16.	Undertaking Regarding Acceptance of Terms & Conditions of NIT	YES	NO		
17.	Copy of the NIST documentation showing the Participant Scores.	YES	NO		
18.	Tender Specific Authorization (OEM) Certificate.	YES	NO		
19.	Technical Specification Compliance	YES	NO		
20.	Brochure/Product Catalogue	YES	NO		
21.	Manpower	YES	NO		
22.	Certificate About Operational Office In	YES	NO		

Kolkata				
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b. For OEMs

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.			
8	Malicious Code Undertaking Letter			
9	Brand registration certificate			
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: Unpriced Bill of Materials

Date:

To,

General Manager (Commercial)

WBEIDC Ltd

Webel Bhavan

Block EP & GP, Sector-V

Salt Lake Electronics Complex

Kolkata-700091

Sl. No.	Item details	Qty.	Unit	Make & Model
1	4MP or higher Face Recognition Camera and 75 Face Camera License for FRS	75	Nos.	Bidder to Specify
2	VMS with Face Recognition Analytics including all required software and hardware connectivity with redundancy (ASIC/FPGA Based or Conventional Server Based)	1	Nos.	Bidder to Specify
3	The centralized storage system of 1 P.B. (usable space) with types of redundancy	1	Unit	Bidder to Specify
4	Core Switch (layer 3, 10Gig, 8 port)	2	Nos.	Bidder to Specify
5	42U rack with all accessories and PDU	1	Nos.	Bidder to Specify
6	Gigabyte PoE+ Switch (8 port))	21	Nos.	Bidder to Specify
7	ONU	21	Nos.	Bidder to Specify
8	Camera Mounting Accessories	1	Lot.	Bidder to Specify
9	Pole mounted Outdoor Junction Box (PVC). This has to be IP 55 complied	21	Nos.	Bidder to Specify
10	PON Module for OLT	21	Nos.	Bidder to Specify
11	OLT (24 port)	2	Nos.	Bidder to Specify
12	CAT 6 Outdoor Non-metallic Armoured Cable	3	Km.	Bidder to Specify
13	6 Core Single Mode Non-metallic Armoured Fiber Optic Cable	65	Km.	Bidder to Specify
14	Cat-6 Patch cord (5 meters)	12	Nos.	Bidder to Specify
15	Fibre Optic Pigtail with SC Connector	21	Nos.	Bidder to Specify
16	Cat-6 patch cord (1 meter)	21	Nos.	Bidder to Specify
17	Terminal Junction Box	50	Nos.	Bidder to Specify
18	Meter Feeder Box	21	Nos.	Bidder to Specify
19	1.5 mm 2 Core Copper Power Cable	2	Km.	Bidder to Specify
20	48 port Fibre Patch Panel (LIU) Light interface units	1	Nos.	Bidder to Specify
21	HDMI cable (5 meters)	4	Nos.	Bidder to Specify
22	RJ45 Connector	2	Box.	Bidder to Specify
23	Site preparation, pole erection, relocation & Installation for cameras	1	Job	-
24	10 KVA ONLINE UPS with 2 hrs. backup for server storage etc.	2	No.	Bidder to Specify

Sl. No.	Item details	Qty.	Unit	Make & Model
25	Connectivity	75	No.	Bidder to Specify
26	Total Installation Charges	1	Job	-
27	Comprehensive Maintenance and Support for 3 years	1	Job	-
28	Firewall with Firewall Manager	2	Nos.	Bidder to Specify
29	Smart Display Screen (55 inches) with Workstations – Industrial Standard	4	Nos.	Bidder to Specify
30	Desktop (Branded)	4	Nos.	Bidder to Specify
31	Contingency expenditure	1	Job	Bidder to Specify