

# WEBEL TECHNOLOGY LIMITED

## NOTICE INVITING e-TENDER

Online Tender documents are invited for Delivery & Installation of Closed Circuit Television (CCTV) system at district courts of Burdwan, Darjeeling, Howrah, Alipore & North 24 Parganas under High Court, Kolkata.

Reputed System Integrators having sufficient experience and credentials for successful completion of “**Similar Nature**” of work in a Government Department/PSU/Autonomous Body or any reputed organization. Bidder must have adequate Service Engineer for providing on-site warranty service within the stipulated time.

1	Tender No. & Date	WTL/HC/CCTV/17-18/048 dated 29.03.2018
2	Tender Version No.	1.0
3	Brief description of Job	Delivery & Installation of Closed Circuit Television (CCTV) system at district courts of Burdwan, Darjeeling, Howrah, Alipore & North 24 Parganas under High Court, Kolkata
4	Tender Fee	Rs.6000.00 (Rupees Six thousand only)
5	Earnest Money Deposit	Rs.600000 (Rupees Six Lakhs only) in the form of Demand Draft from any Scheduled bank in favour of Webel Technology Limited payable at Kolkata
6	Date of Downloading/Sale of Tender document	29.03.2018
7	Pre-Bid Meeting date & time	09.04.2018 at 11.30 Hrs <ul style="list-style-type: none"><li>• Only two persons for each intending bidder's organization will be allowed to attend the Pre Bid Meeting.</li><li>• The person should have proper authorization in respective company Letter Head.</li><li>• Only queries as per format (Section - O) reaching WTL by 06.04.2018 at 16.00 Hrs will be taken for decision.</li><li>• Queries will be sent to Manager (Purchase) (arunava.saha@wtl.co.in) / Ms. Anita Dey (wtladey@gmail.com) and copy to Ms. Munia Banerjee (muniabanerjee@rediffmail.com)</li></ul>
8	Bid Submission Start date & time	17.04.2018 at 15.00 Hrs
9	Last date & time of EMD & Tender Fee submission	23.04.2018 at 14.00 Hrs
10	Last date & time of Bid Submission	21.04.2018 at 15.00 Hrs
11	Date & time of Technical Bid Opening	23.04.2018 at 15.00 Hrs
12	Venue of Pre-Bid Meeting & submission of EMD & Tender Fee	WEBEL TECHNOLOGY LIMITED (A Govt. of West Bengal Undertaking) Plot - 5, Block – BP, Sector – V, Salt Lake City, Kolkata – 700091.
13	Contact person	Mr. Arunava Saha, Contact no. 23673403-06, Ext. 212 Ms. Anita Dey, Contact no. 23673403-06, Ext. 231 Ms. Munia Banerjee, Contact no. 23673403-06, Ext. 220

## **WEBEL TECHNOLOGY LIMITED**

1. Intending bidder may download the tender documents from the website <https://wbtenders.gov.in> directly with the help of Digital Signature Certificate. Necessary cost of tender documents (tender application fee) may be remitted through Demand Draft issued from any Scheduled Bank in favour of “Webel Technology Limited”, payable at Kolkata and also to be documented through e-filing. Cost of Earnest Money Deposit (EMD) may be remitted through Demand Draft issued from any Scheduled Bank in favour of “Webel Technology Limited”, payable at Kolkata and also to be documented through e-filing. The original Demand Draft against Tender Application Fees & Earnest Money Deposit (EMD) should be submitted physically to the Manager (Purchase)/Manager (Finance), Webel Technology Limited, Plot – 5, Block – BP, Sector-V, Salt Lake City, Kolkata-700 091 under sealed cover on or before 14:00 Hrs of 23.04.2018.
2. Both Techno Commercial Bid and Financial Bid are to be submitted concurrently duly digitally signed in the website <https://wbtenders.gov.in>
3. Tender documents may be downloaded from website and submission of Techno Commercial Bid and Financial Bid will be done as per Time Schedule stated in Section – C of this Tender Document.
4. The Financial Bid of the prospective Bidder will be considered only if the Techno Commercial Bid of the bidder is found qualified by the Tender Committee. The decision of the ‘Tender Committee’ will be final and absolute in this respect. The list of Qualified Bidders will be displayed in the website.

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## **CONTENTS OF THE TENDER DOCUMENT**

The Tender document comprises of the following:

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SECTION – E	BID FORM
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SECTION – K	FINANCIAL CAPABILITY OF BIDDER
SECTION – L	BIDDER'S DETAILS
SECTION – M	MANUFACTURER'S AUTHORIZATION FORM
SECTION – N	FORMAT FOR PRE-BID MEETING QUERY
SECTION – O	LIST OF CLIENTS OF SIMILAR ORDERS
SECTION – P	PROFORMA FOR PERFORMANCE BANK GUARANTEE
SECTION – Q	NIT DECLARATION
SECTION – R	SUPPORT SERVICE CENTER & MANPOWER DETAILS OF BIDDER AT KOLKATA
SECTION – S	SUPPORT SERVICE CENTER & MANPOWER DETAILS OF OEM AT KOLKATA

# **WEBEL TECHNOLOGY LIMITED**

## **SECTION – A**

### **SCOPE OF WORK & RESPONSIBILITY**

#### **For System Integrator**

- 1) **Supply:** Entrusted bidder must supply and work as per work order. All supplies must be certified, new and RoHS compliant. Supplied components must satisfy the minimum guiding specifications and guidelines, as applicable, proprietary technology must be mentioned against each component. Bidder is allowed to propose only one make / model per system or software required for the proposed solution. Bids with optional offers would be summarily rejected.
- 2) **Installation, Integration & Implementation:** Delivery & Installation of Closed Circuit Television (CCTV) system at district courts of Burdwan (only Sardar), Darjeeling (only Sardar), Howrah (only Sardar), Alipore Criminal Court & North 24 Parganas (only Sardar) under High Court, Kolkata. The Post installation warranty supports are the sole responsibility of the System Integrator & Original Equipment Manufacturer (OEM).
- 3) **Service Quality and Assurance:** Services within installation, warranty period must be rendered with OEM for hardware.
- 4) **Acceptance:** After successful Delivery & installation, installation reports prepare by WTL, signed and sealed by High Court, Kolkata.
- 5) **Warranty:** All hardware component service items should have minimum warranty period of period i.e. 60 months from the date of final acceptance of the system by the user. Within warranty period, entrusted OEM will replace, re-integrate faulty, buggy components.
- 6) **Delivery:** Materials are to be delivered at district courts of Burdwan (only Sardar), Darjeeling (only Sardar), Howrah (only Sardar), Alipore Criminal Court & North 24 Parganas (only Sardar) as per Bill of Materials (Section-H).
- 7) 25 years site certification for passive networking installation must be provided by the bidder.
- 8) Two dedicated technical manpower must be deputed. .
- 9) OTDR & Pentascan report must be submitted by the bidder. On that basis final bill will be processed.
- 10) Order might be distributed within three bidders (L1, L2 & L3) by matching the L1 price.

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## **SECTION – B**

### **ELIGIBILITY CRITERIA**

1. The bidder must be a company registered under Companies Act, 1956/2013 or Partnership or LLP or OPC or Proprietary Firm. Documentary (Certificate of incorporation/Relevant document) evidence to be submitted.
2. The bidder should have their presence in Kolkata with own office. Valid proof should be submitted along with the bid.
3. The bidder should have valid GST Registration Certificate & PAN. Bidder shall have to submit photocopy of the documents.
4. The bidder shall have execute “Similar Nature” of single order an amount not less than Rs.90.00 Lakhs involving IP CCTV job in last three financial years (considering FY - 2014-15, 2015-16 & 2016-17) in Government Department/PSU/Autonomous Body/Any reputed organization. References order copy for the project to be provided.

#### **OR**

The bidder shall have execute “Similar Nature” of three orders an amount not less than Rs.130.00 Lakhs involving IP CCTV job in last three financial years (considering FY - 2012-13, 2013-14, 2014-15, 2015-16 & 2016-17) in Government Department/PSU/Autonomous Body/Any reputed organization. References order copy for the project to be provided.

5. The bidder should have an annual turnover of not less than Rs.15.00 Crore each year in the three financial years (FY –2014-15, 2015-16 & 2016-17). Bidder shall have to submit Audited Accounts / Auditor Certificate in support of their claim.
6. The bidder should have call center number. Call Center details for Bidder with number & detailed to be submitted.
7. Manufacturer’s tender specific authorizations for Camera, Networking items (active & passive) must be submitted as per format enclosed (Section - M).
8. All technical compliance has to be submitted on OEM letter head with duly signed and stamped.
9. WTL reserves the right to inspect the full or partial materials at OEM’s factory / warehouse. The inspection cost to be boned by the respective bidders. Bidder’s declaration to be submitted.
10. Bidder should submit Earnest Money Deposit (EMD) of Rs. 600000.00 (Rupees Six lakh only) in the form of Demand Draft from any Scheduled Bank in favour of Webel Technology Limited payable at Kolkata.
11. Bidder should submit Tender Fee of of Rs. 6000.00 (Rupees Six thousand only) in the form of Demand Draft from any Scheduled Bank in favour of Webel Technology Limited payable at Kolkata.
12. The bidder shall have Quality Certificate (ISO 9001:2008). Copy of valid Certificate to be submitted.
13. The bidder shall have ISO 20000 Certificate. Copy of valid Certificate to be submitted.
14. The bidder shall have ISO 27000 Certificate. Copy of valid certificate to be submitted.
15. The Bidder must have Support Service Center / manpower in Kolkata & North Bengal so that any call reported is attended within the response time. OEM for the product should have own Support Service Center within Kolkata. The detailed Support Service with manpower for bidder & OEM should be submitted as per format (Section –R & S).

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16. The bidder shall not have been blacklisted by any State/Central Government or PSU Organization or bilateral/multilateral funding agencies for breach of ethical conduct or fraudulent practices as on date of submission of the proposal. Declaration on bidder's letter head to be submitted.
17. The bidder shall submit Bid Form (Section – E) duly signed by the authorized signatory of the company as per the format enclosed. Deviation in format may not be accepted.
18. Bidder must bid with 18 Months price validity. Undertaking in this regards may be submitted on 100 rupees. Court papers.
19. WTL reserves the right to replicate / repeat the same in deferent courts as Calcutta High Courts desire. Bidder's declaration to be submitted.
20. All types of cameras and NVR must be from the same OEM. Bidder's declaration to be submitted.
21. All types of Active Networking components must be from the same OEM. Bidder's declaration to be submitted.
22. All types of Passive Networking components must be from the same OEM. Bidder's declaration to be submitted.

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## **SECTION – C**

### **DATE AND TIME SCHEDULE**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Date &amp; Time</b>
1	Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	29.03.2018
2	Documents download/sale start date (Online)	29.03.2018
3	Last Date and time of sending the queries (Offline)	06.04.2018 & 16.00 hrs
4	Pre Bid Meeting at WTL Office (Off Line)	09.04.2018 & 11.30 hrs
5	Corrigendum, if any will be published (On Line)	-
6	Bid Submission start date & time (On line)	17.04.2018 & 15.00 hrs
7	Last Date & time of submission of original Demand Draft/Pay Order for cost of Earnest Money Deposit (Off line)	23.04.2018 & 14.00 hrs
8	Last Date & time of submission of original Demand Draft/Pay Order for cost of Tender Fee, in case the bidder did not attend the Pre Bid Meeting (Off line)	23.04.2018 & 14.00 hrs
9	Bid Submission closing date & time (On line)	21.04.2018 & 15.00 hrs
10	Bid opening date & time for Technical Proposals (Online)	23.00.2018 & 15.00 hrs
11	Date of uploading the final list of Technically Qualified Bidder (online) after disposal of appeals, if any	-
12	Date for opening of Financial Bid (Online)	-

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## **SECTION – D**

### **INSTRUCTION TO BIDDER**

#### **1. DEFINITIONS**

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

**“Acceptance Test Document”** means a document, which defines procedures for testing the functioning of installed system. The document will be finalized with the contractor within 7 days of issuance of the Letter of Award.

**“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.

**“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.

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

**“Installation”** means installation of CCTV.

**“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 noncompetitive levels and to deprive the High Court and eventually Gov. of W. Bengal of the benefits of free and open competition.

**“GoI”** shall stand for the Government of India.

**“GoWB”** means Government of West Bengal.

**“Personnel”** means persons hired by the Bidder as employees and assigned to the performance of the Infrastructure Solution or any part thereof.

**“Similar Nature of Work”** means

**“CCTV system”** means Closed Circuit Television

**“Project”** Delivery & Installation of Closed Circuit Television (CCTV) system at district courts of Burdwan, Darjeeling, Howrah, Alipore & North 24 Parganas under High Court, Kolkata.

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

**“Interest rate”** means “364 days Government of India (GoI) Treasury Bills” rate.

**“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 WTL to place the Purchase Order with the successful bidder.

**“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.



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"Operator" means the company providing the services under Agreement.

"HC" means High Court, Calcutta

"Service" means provision of Contracted service viz., operation, maintenance and associated services for DEPLOYED SYSTEMS as per Section titled "Scope of Work".

"Termination Notice" means the written notice of termination of the Agreement issued by WTL.

"Uptime" means the time period when specified services are available with specified technical and service standards as mentioned in section titled WARRANTY SUPPORT" "%Uptime" means ratio of 'up time' (in minutes) as mentioned in section titled "Warranty support".

"Service Down Time" (SDT) means the time period when specified services with specified technical and operational requirements as mentioned in section titled "WARRANTY SUPPORT"" are not available to Gov. of W. Bengal and its user departments and organizations.

"WTL" means Webel Technology Limited a Govt. of W. Bengal undertaking.

## 2. PRE BID MEETING

Pre Bid Meeting will be held on 09.04.2018 at 11.30 hrs at premises of WTL. Bidder can send their queries as per format (Section - N) to Manager (Purchase) (arunava.saha@wtl.co.in) Ms. Anita Dey (wtladey@gmail.com) and copy to Ms. Munia Banerjee (muniabanerjee@rediffmail.com). Only the queries received within the stipulated date prior to the Pre Bid Meeting will be answered. The entrance to the Pre Bid Meeting will be limited to two persons per bidder and carrying valid authorization letter on official letter head bearing company seal.

## 3. COST OF BIDDING

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

## 4. 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 unless deviations are specifically stated in the seriatim by the bidder. Failure to furnish all information required by the bid document or a bid not substantially responsive to the bid document in every respect may result of the bid.

## 5. AMENDMENT OF BID DOCUMENT

At any time prior to the deadline for submission of proposals, WTL reserves the right to add/modify/delete any portion of this document by issuance of an Corrigendum, which would be published on the website and will also be made available to the all the Bidder who have been issued the tender document. The Corrigendum shall be binding on all bidders and will form part of the bid documents.

## 6. MODIFICATION AND WITHDRAWAL OF BIDS

As per the bidding process available in the tender.

## 7. 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 & WTL will be in English language only. The correspondence by fax/E-mail must be subsequently confirmed by a duly signed formal copy.

## 8. BIDDER'S SOLUTION

The bidders are requested to study the Bill of Material supplied with this document carefully. While working out the solution the bidder has to work with the broad minimum specification provided in the tender documents, conforming to the model, make and Part number (wherever provided). While submitting the bid the bidder has to detail out all components needed to complete the system BOM. The bidder is required quote for each item retaining all major components/sub system detailed and specified. As the contractor will be responsible for smooth functioning of the system, availability of spares during the tenure of the warranty period have to be take care by the contractor to maintain the guaranteed uptime.

## 9. EARNEST MONEY DEPOSIT (EMD)

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The firm shall furnish an EMD of Rs.6,00,000/- (Rupees Six Lakh only) in the form of a demand draft from a Scheduled Bank payable at Kolkata and in favour of Webel Technology Limited. Any bid not accompanied with the EMD shall be rejected.

## **10. FORFEITURE OF EMD**

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

## **11. FORMS AND FORMATS**

The various inputs for the Techno Commercial as Financial Bids 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.

## **12. 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 fulfill 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.

## **13. CONTRACT EXECUTION**

On receipt of the Letter of Award/Purchase Order the contractor should submit a Performance Bank Guarantee (PBG) equivalent to 10% of the total contract value within three weeks from the date of receipt of Letter of Award/Purchase Order. The PBG should be valid for six month more than the warranty period. All delivery of the material will have to be completed within 45 days from the date of acceptance of contract and the contractor has to ensure all activities leading to the commissioning of the contract to be completed within 75 days from the date of award. Subsequent to the award of contract, the contractor will have to arrange for the requisite material as per BOM.

## **14. TIME SCHEDULE FOR DELIVERY & INSTALLATION**

All delivery of the material will have to be completed within 4-5weeks from the date of Order/ LoI issued by WTL and installation will have to be completed within 8 weeks from the date of Order/ LoI issued by WTL.

## **16. LIQUIDATED DAMAGE / PENALTY**

The job includes the supply and installation of materials mentioned in the tender document. In the event of failure to meet the job completion in stipulated date/time liquidated damage may be imposed on the contractor for sum not less than 0.5% of the contract value for that item/job for each week or part thereof, subject to a ceiling of 10% of the total contract value (excluding all taxes & duties and other charges). In the event of LD exceeds 10% of the order value, WTL reserves the right to terminate the contract and WTL will get the job completed by any other competent party. The difference of cost incurred by WTL will be recovered from the contractor and PBG will be invoked.

## **17. LIABILITY**

In case of a default on bidder's part or other liability, WTL shall be entitled to recover damages from the Contractor. In each such instance, regardless of the basis on which WTL is entitled to claim damages from the

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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 WTL for the individual product or Service that is the subject of the Claim. However, the contractor shall not be liable for
- For any indirect, consequential loss or damage, lost profits, third party loss or damage to property or loss of or damage to data.

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

## 18. PATENTS & COPYRIGHT

If a third party claims that a product delivered by the Contractor to WTL infringes that party's patent or copyright, the Contractor shall defend WTL 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, provided that WTL.

- Promptly notifies Contractor in writing of the claim
- Allows Contractor to control and co-operate with Contractor in the defense and any related settlement negotiations.

Remedies: If such a claim is made or appears likely to be made, WTL would permit Contractor to enable WTL to continue to use the product, or to modify it, or replace it with one that is at least functionally equivalent. If Contractor determines that none of these alternatives is reasonably available, WTL agrees to return the product to Contractor on Contractor's written request. Contractor will then give WTL a credit equal to for a machine. WTL's net book value (provided WTL has followed generally accepted accounting principles for a generally available software product produced by Contractor (Program) the amount paid by WTL or 12 months charges (which ever is lesser) and for materials the amount paid by WTL for the materials. These will be Contractor's entire obligation regarding any claim of infringement.

## 19. SUSPENSION OF WORK

WTL 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 WTL. The Contractor shall recommence work immediately after receiving a notice to do so from WTL. The whole or any part of the time lost for such delay or suspension shall, if WTL in its absolute discretion thinks fit, but not otherwise, be added to the time allowed for completion.

## 20. TERMS OF PAYMENT

Payment terms will be on back-to-back basis, i.e., payment will be made only on receipt of payment from relevant customer, i.e. High Court, Calcutta.

## 21. GOVERNING LAWS

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

## 22. CORRUPT OR FRAUDULENT

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

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determines that the firm has engaged in corrupt and fraudulent practices in competing for, or in executing, a contract.

## **23. BIDDING 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.

## **24. WORKMEN'S COMPENSATION**

In every case in which by virtue of the provision of the workmen's compensation Act 1923 or any other relevant acts and rules, compensation to a workmen employed by the contractor, is payable, then this should be done by the Contractor. If WTL is obliged to make any compensation under the said rules and acts, then the amount shall be recovered without prejudice, from the bills and due of the Contractor. WTL shall not be bound to contest any claim made against the Contractor in respect of workmen's compensation.

## **25. CONTRACTOR'S EMPLOYEES**

The Contractor shall comply with the provision of all labour legislation including the requirement of the payment of Wage Act 1936 and the rules framed there under and modifications thereof in respect of men employed by him in carrying out the contract. The Contractor must ensure that he complies with PF, ESI regulation for all his deployed employees. The Contractor shall see that all authorized Sub Contractors under him similarly complied with the above requirement.

## **26. SAFETY MEASURES**

The Contractor shall in the course of execution of the work take all necessary precaution for the protection of all persons and property. The Contractor shall take adequate measures to protect the work and prevent accident during the work. In the event of any accident to any person or persons or damage or injury of any description to any person or property due to failure on the part of the contractor in taking proper precautionary measures the contractor shall be responsible for and must make good the loss the damage at his own cost to the satisfaction of the department and employees of the department shall be indemnified from all claims or liabilities arising there from or any expenses incurred on account thereof.

## **27. EQUIPMENT**

All tools & tackles necessary for the work shall have to be procured by the contractor unless otherwise specified elsewhere in these tender documents. The equipment used by the contractor for a particular work must be appropriate for the type of work. The contractor shall maintain the equipment used on the work properly so that they are in good working condition. In no case shall the contractor use defective or imperfect equipment in the work. The contractor shall arrange to replace or repair all defective equipment so that the progress of the work is not hampered. No defective equipment should be left at the site of work and the department shall not be responsible for any loss or damage to any of these equipments during the course of the execution of the work.

## **28. SUB-CONTRACT**

The purchaser (WTL) does not recognize the existence of Sub-Contractors. The Contractor's responsibility is not transferable.

## **29. TERMINATION FOR DEFAULT**

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

## **30. 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

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of them, WTL 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 WTL.

## **31. FORCE MAJEURE**

It is hereby defined as any cause, which is beyond the control of the Contractor or WTL 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 upto its or their performance of the Contract and to fulfill its or their obligation under the Contract but without prejudice to either party's right to terminate the Contract.

No delay or nonperformance 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 nonperformance. If, and to the extent, that such delay or nonperformance is caused by the occurrence of an event of Force Majeure.

## **32. INSURANCE COVERAGE**

Appropriate insurance to cover all solution components for the transit period and until the time of its acceptance at the respective site is to be taken by the contractor. As the contractor will carry the risk for the material in his books during transit, the contractor should arrange insurance for the total system as period from the dispatch till Acceptance Test is successfully achieved. Further the contractor is to take all required insurance coverage in respect of all its personnel who shall be working on this engagement.

## **33. WARRANTY**

The OEM on behalf of bidder will warranty that products supplied under the contract are newly made and are free from defects in the design, engineering and workmanship. The Contractor would be responsible for the up keep and maintenance of the necessary deliverables under the scope of work during the entire warranty period, i.e. 60 months from the date of final acceptance of the system by the user. Within warranty period, entrusted OEM will replace, re-integrate faulty, buggy components. The Contractor/OEM shall not, without the express prior written consent of WTL, assign to any third party of the contract or part thereof. Service support for the entire warranty period will be on site and comprehensive (including spares) and free of cost for the entire warranty period. Warranty will be invalid if the equipment is serviced by unauthorized personnel of misuse is detected.

## **34. WARRANTY SUPPORT**

# WEBEL TECHNOLOGY LIMITED

The total system will be warranted against bad workmanship and manufacturing defects from the date of acceptance of the system whole or part. Service support for the entire warranty period will be on site and comprehensive (including spares and all other support) and free of cost for the entire warranty period.

The average uptime averaged over each quarter should be as follows:

Category	Uptime Requirement	Response Time Requirement	Maximum Downtime permitted per instance
Equipments located in Kolkata,	98.0%	8 Hours	24 Hours
Equipments located in outside of Kolkata Area	96.0%	24 Hours	48 Hours

## 35. PERFORMANCE BANK GUARANTEE (PBG)

As a guarantee for timely delivery, installation and commissioning of equipment as well as performance of on-site warranty support, as mentioned in Bill of Material, from the date of final acceptance of systems and pertaining to proper running of the systems, the bidder will have to submit 10% of the contract value as security in the form of Performance Bank Guarantee from any nationalized bank as per format enclosed (Section – P).

## 36. CONTRACTOR'S RESPONSIBILITIES

Refer Section – A (Scope of Work & Responsibility)

## 37. NO WAIVER OF RIGHTS

Neither the inspection by WTL or any of their agents nor any order by WTL for payment of money or any payment for or acceptance of the whole or any part of the works by WTL, nor any extension of time, nor any possession taken by WTL shall operate as a waiver of any provision of the contract or of any power reserved to WTL, or any right to damages here in provided, nor shall any waiver of any breach in the contract be held to be a waiver of any other subsequent breach.

## 38. GRAFTS, COMMISSIONS, GIFTS, ETC.

It is the Purchaser's policy to require that bidders, suppliers, 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 WTL 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 WTL resulting from any cancellation. WTL shall then be entitled to deduct the amount so payable from any monies otherwise due to the contractor under contract.

## 39. 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.

## 40. PERIOD OF VALIDITY OF OFFER

For the purpose of placing the order, the proposals shall remain valid till 180 days. During the period of validity of proposals, the rates quoted shall not change. In exceptional circumstances, WTL may ask for extension of the period of validity and such a request shall be binding on Bidders. WTL's request and the response to such a request by various Bidders shall be in writing. A Bidder agreeing to such an extension will not be permitted to increase its rates.

## 41. TAXES & DUTIES

- The prices shall be inclusive of all taxes & levies including GST and other statutory duties as applicable. Rate of taxes should be indicated separately in the Price Bid.
- Contract Price specified in Price Bid should be based on the taxes & duties and charges prevailing at the date one day prior to the last date of Bid submission.
- Statutory deduction, wherever applicable, shall be made from invoice as per government rules. Necessary certificate will be issued for such deductions.
- Bidder submitting a bid shall produce valid statutory documents / certificates with respect to GST, Income Tax, ROC, Prof. Tax, Trade Licence, etc. All such documents / certificates shall remain valid on the last date of tender submission.

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- In case of inter-state transaction, WTL will provide "Waybill". However, statutory charges, if any will be borne by the bidder.
- GST component of the invoice of the bidder may be kept on hold in case there is any mismatch / irregularity in GST return filing on the part of the bidder.

## **42. 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.
- Discrepancy in totaling or carry forward in the amount quoted by the bidder shall be corrected.

## **43. BID DUE DATE**

The online tender has to be submitted not later than the due date and time specified in the Important Dates Sheet. WTL may at its discretion on giving reasonable notice by fax, or any other written communication to all prospective bidders who have been issued the bid documents, extend the bid due date, in which case all rights and obligations of the WTL and the bidders, previously subject to the bid due date, shall thereafter be subject to the new bid due date as extended.

## **44. LATE BID**

Any proposal received by WTL after the deadline for submission of proposals may not be accepted.

## **45. OPENING OF BID BY WTL**

Bids shall be opened and downloaded electronically through operation of the process in the e-Tender portal in presence of Tender Committee. Bidders interested to remain present during electronic bid opening may attend the bid opening session at WTL premises at scheduled date & time.

## **46. CONTACTING WTL**

Bidder shall not approach WTL officers beyond office hours and/or outside WTL office premises from the time of the Bid opening to the time of finalization of successful bidder. Any effort by bidder to influence WTL 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 WTL, it should be in writing following the procedure mentioned hereinabove.

## **47. WTL'S RIGHT TO REJECT ANY OR ALL BIDS**

WTL 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.

## **48. BID CURRENCIES**

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

## **49. PRICE**

- Price should be quoted in the BOQ format only. No deviation is acceptable.
- Price quoted should be firm, inclusive of packing, forwarding, insurance and freight charges.
- Percentage/specified amount of taxes & duties should be clearly mentioned otherwise WTL reserves the right to reject such vague offer.
- Price to be quoted inclusive of supply, installation & commissioning charges.

## **50. 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.

## **51. NON-TRANSFERABILITY OF TENDER**

This tender document is not transferable.

## **52. FORMATS AND 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 initialed

# **WEBEL TECHNOLOGY LIMITED**

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 & initialed with date by the authorized signatory after striking out the original words/figures completely.

## **53. 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 bidders for any additional item(s) of work not mentioned herein, if so required.

## **54. 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.

## **54. SPLITTING OF THE CONTRACT AND CURTAILMENT OF WORK**

WTL reserve the right to split up and distribute the work among the successful bidders and to curtail any item of work in the schedule partly or fully.

## **55. PREPARATION OF TENDER**

Tender shall be submitted in accordance with the following instructions:

- a) Tenders shall be submitted in the prescribed forms. Digital signatures shall be used. 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 initialed 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 uploaded as notified on or before the date and time set for the opening of tenders in the Notice Inviting Tenders.
- e) Tenders subject to any conditions or stipulations imposed by the bidder are liable to be rejected.
- f) Each and every page of the tender document must be signed with company seal by the bidder.
- g) Any bidder may withdraw his tender by written request at any time prior to the scheduled closing time for receipt of tenders and not thereafter.

## **56. PRE-DISPATCH INSTRUCTION**

All materials / equipments supplied against the purchase order shall be subjected to Inspection, check and /or test by the authorized representative from WTL.

## **57. FINAL INSPECTION**

Final inspection will be carried by the authorized representative from WTL.

## **58. SITE INSPECTION**

Bidder can inspect (at their own cost) the sites if required, for which they have to take necessary permission from WTL in writing. WTL will take at least four days to organize such permission.

## **59. ERASURES OR ALTERNATIONS**

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

## **60. 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



# WEBEL TECHNOLOGY LIMITED

applicable to it from time to time including records and returns as applicable under labor legislation.

## 61. 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.

## 62. DEEMED ACCEPTANCE

Deliverables will be deemed to be fully and finally accepted by District e-Governance Society, Uttar Dinajpur in the event District e-Governance Society, Uttar Dinajpur has not submitted such Deliverable Review Statement to Bidder/Implementation Partner before the expiration of the 30-days review period, or when District e-Governance Society, Uttar Dinajpur uses the Deliverable in its business, whichever occurs earlier ("Deemed Acceptance").

## 63. QUALITY CONTROL

- The contractor is obliged to work closely with WTL and/or HC, act within its authority and abide by directive issued by them on implementation activities.
- The contractor will abide by the safety measures and free WTL and HC from all demands or responsibilities arising from accident/loss of life, the cause of which is due to their negligence. The bidder will pay all indemnities arising from such incidents and will not hold WTL and HC responsible.
- 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 WTL/HC.
- WTL reserves the right to inspect all phases of contractor's operation to ensure conformity to the specifications. WTL 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 WTL does not relieve the contractor of the responsibility for quality control in all phases.

## 64. SITE NOT READY

The bidder shall not be in any manner liable for any delay arising out of High Court, Calcutta inability to make the site ready within the stipulated period.

## 66. LOCATION OF INSTALLATION

As mentioned in Bill of Material (Section – H). Places are Howrah Sadar Court, Barasat Sadar Court, Alipore Criminal Court, Darjeeling Sadar Court, Burdwan Sadar Court

## 65. GENERAL TERMS

- a) All the pages of the bid document including documents submitted therein must be duly signed and stamped failing which the offer shall be liable to be rejected.
- b) All 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 WTL 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.
- c) No Technical/Commercial clarification will be entertained after opening of the tender.
- d) Overwriting and erasures may make the tender liable for rejection if each of such overwriting/erasures/manuscription is not only signed by the authorized signatory of the bidder. All overwriting should be separately written and signed by the authorized signatory of the bidder.
- e) Quantity mentioned in the tender document is indicative only and orders shall be placed subject to actual requirement. WTL reserve the right to increase or decrease the quantity specified in the tender.
- f) WTL reserve the right to reject or accept or withdraw the tender in full or part as the case may be without assigning the reasons thereof. No dispute of any kind can be raised the right of buyer in any court of law or elsewhere.
- g) WTL reserve the right to ask for clarification in the bid documents submitted by the bidder. Documents may be taken if decided by the committee.
- h) Supporting technical brochures/catalogues indicating each feature in respect of offered model and make must be submitted along with the offer, in absence of which the offer is liable to be ignored.
- i) No dispute by the bidders in regard to Technical/Commercial points will be entertained by WTL 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 totaling or carry in the amount quoted by the bidder shall be corrected accordingly.

## **WEBEL TECHNOLOGY LIMITED**

- 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 the accepting authority who is not bound to accept the lowest or any tender and reserves the right to reject in part or in full any or all tender(s) received and to split up the work among participants without assigning any reason thereof.
- m) The customer/WTL at its discretion may extend the deadline for the submission of Bids.
- n) 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.

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## **SECTION – E**

### **BID FORM**

(Bidders are requested to furnish the Bid Form in the Format given in this section, filling the entire Blank and to be submitted on Letter Head in original)

To  
**Webel Technology Limited**  
**Plot – 5, Block – BP, Sector - V,**  
**Salt Lake City,**  
**Kolkata – 700091.**

**Sub: Delivery & Installation of Closed Circuit Television (CCTV) system at district courts of Burdwan, Darjeeling, Howrah, Alipore & North 24 Parganas under High Court, Kolkata**

Dear Sir,

1. We the undersigned bidder/(s), having read and examined in details the specifications and other documents of the subject tender no. WTL/HC/CCTV/17-18/048 dated 29.03.2018, do hereby propose to execute the job as per specification as set forth in your Bid documents.
2. The prices of all items stated in the bid are firm during the entire period of job irrespective of date of completion and not subject to any price adjusted as per in line with the bidding documents. All prices and other terms & conditions of this proposal are valid for a period of 18 (Eighteen) months from the date of opening of price bid. We further declare that prices stated in our proposal are in accordance with your bidding.
3. We confirm that our bid prices include all other taxes and duties and levies applicable on bought out components, materials, equipments and other items and confirm that any such taxes, duties and levies additionally payable shall be to our account.
4. Earnest Money Deposit: We have enclosed EMD in the form of Demand draft for a sum of Rs. 600000/- (DD no. \_\_\_\_\_ dated \_\_\_\_\_ drawn on \_\_\_\_\_).
5. We declare that items shall be executed strictly in accordance with the specifications and documents irrespective of whatever has been stated to the contrary anywhere else in our proposal. Further, we agree that additional conditions, deviations, if any, found in the proposal documents other than those stated in our deviation schedule, save that pertaining to any rebates offered shall not be given effect to.
6. If this proposal is accepted by you, we agree to provide services and complete the entire work, in accordance with schedule indicated in the proposal. We fully understand that the work completion schedule stipulated in the proposal is the essence of the job, if awarded.
7. We further agree that if our proposal is accepted, we shall provide a Performance Bank Guarantee of the value equivalent to ten percent (10%) of the Order value as stipulated in Financial Bid (BOQ).
8. We agree that WTL reserves the right to accept in full/part or reject any or all the bids received without any explanation to bidders and his decision on the subject will be final and binding on Bidder.

Thanking you, we remain,

**WEBEL TECHNOLOGY LIMITED**

Yours faithfully

.....  
Signature

.....  
Name in full

.....  
Designation

**Signature & Authorized Verified by**

.....  
Signature

.....  
Name in full

.....  
Designation

.....  
Company Stamp

Dated, this .....day of .....2018

# **WEBEL TECHNOLOGY LIMITED**

## **SECTION – F**

### **TECHNO COMMERCIAL EVALUATION & AWARDING OF CONTRACT**

#### **1. EVALUATION PROCEDURE**

- The Eligibility Criteria (Section - B) will be evaluated by Tender Committee and those qualify will be considered for further evaluation.
- The Tender Committee shall verify the Technical Specification (Technical Specification with Compliance Statement, Section – I) Deviation in specification shall not be allowed. Bidder qualified in Technical Specification shall be considered for further evaluation.
- After qualifying in Technical Specification, qualified bidders will only be considered for Financial Bid evaluation.

#### **2. FINAL EVALUATION**

Financial Proposal of the bidders qualifying in the evaluation of Technical specification will be evaluated. The bidder who has qualified in the Technical Specification evaluation and returns with lowest quote (L1) in financial bid would normally be awarded the contract subject to Post Qualification.

#### **3. AWARDING OF CONTRACT**

An affirmative Post Qualification determination will be prerequisite for award of the contract to the lowest quoted bidder. A negative determination will result in rejection of bidder's bid, in which event the WTL will proceed to the next lowest evaluated bidder to make a similar determination of that bidder's capability to perform satisfactorily. The successful bidder (s) will have to give security deposit in the form of Performance Bank Guarantee.

#### **4. POST QUALIFICATION**

The determination will evaluate the Bidder's financial, technical, design, integration, customization, production, management and support capabilities and will be based on an examination of the documentary evidence of the Bidder's qualification, as well as other information WTL deems necessary and appropriate. This determination may include visits or interviews with the Bidder's client's reference in its bid, site inspection, and any other measures. At the time of post-qualification, Directorate of es may also carry out tests to determine that the performance or functionality of the Information System offered meets those stated in the detailed Technical Specification.

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## **SECTION – G**

### **GUIDANCE FOR E-TENDERING**

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

- **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.
- **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.
- **Participation in more than one work:**  
A prospective bidder shall be allowed to participate in the job either in the capacity of individual or as a partner of a firm. If found to be applied severally in a single job all the applications may be rejected.
- **Submission of Tenders:**  
Tenders 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)

The proposal should contain scanned copies of the following in two covers (folders).

#### **Techno Commercial Cover:**

##### **Technical Document1 (scanned & join in pdf format then upload)**

1. Copy of Demand Draft of Earnest Money Deposit (EMD)
2. Copy of Demand Draft of Tender Fee

##### **Technical Document2 (scanned & join in pdf format then upload)**

1. N I T Declaration duly stamped & signed in letter head, Section - Q
2. Bid Form as per format (Section – E)

##### **Technical Compliance (scanned & joins in pdf format then upload)**

1. Technical Specification With Compliance Statement (Section – I)
2. Technical Compliance as per Clause – 1 of Section – B
3. Manufacturer Authorisation Form (Section – M)

#### **Financial Cover:**

BOQ will be downloaded and same will be uploaded with quoted rates. While uploading BOQ file name shall remain unchanged. Absence of this document shall lead to summary rejection of the bid.

#### **NON-STATUTARY COVER (MY SPACE) CONTAIN FOLLOWING DOCUMENT:**

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(In each folder, scanned copy will be uploaded with single file having multiple pages)

Sl. No.	Category Name	Sub Category Name	Sub Category Description
A	CERTIFICATES	A1. CERTIFICATES	<ul style="list-style-type: none"> <li>• GST Registration Certificate</li> <li>• PAN</li> <li>• Document as per Clause – 1 of Section – B</li> <li>• Document as per Clause no. 2 of Section – B</li> </ul>
B	COMPANY DETAILS	B1. COMPANY DETAILS 1	<ul style="list-style-type: none"> <li>• Document as per Clause no. 2 of Section – B</li> <li>• Declaration as per Clause no.6 of Section – B</li> <li>• Declaration as per Clause no. 16 of Section – B</li> <li>• Document as per Clause no. 18 of Section – B</li> </ul>
		B2. COMPANY DETAILS 2	<ul style="list-style-type: none"> <li>• Company Profile (Not more than 3 pages)</li> <li>• ISO Certificate as per Clause no. 12, 13 &amp; 14 of Section – B</li> </ul>
C	CREDENTIAL	CREDENTIAL 1	Order copies as per Clause no. 4 of Section – B
		CREDENTIAL 2	<ul style="list-style-type: none"> <li>• Product brochure</li> <li>• Other documents, if any</li> </ul>
D	DECLARATION	DECLARATION 1	List of Clients as per format (Section – O)
		DECLARATION 2	Financial Capability of Bidder as per format (Section – K)
		DECLARATION 3	Bidder's Details as per format (Section – L)
		DECLARATION 4	Details of Order Executed as per format (Section – J)
		DECLARATION 5	<ul style="list-style-type: none"> <li>• Document as per Clause no. 9, 19, 20, 21 &amp; 22 of Section – B</li> <li>• Service Support – Bidder (Section –R)</li> <li>• Service Support – OEM (Section –S)</li> </ul>
F	FINANCIAL INFO	P/L & BALANCE SHEET 2014-2015	P/L & BALANCE SHEET 2014-2015
		P/L & BALANCE SHEET 2015-2016	P/L & BALANCE SHEET 2015-2016
		P/L & BALANCE SHEET 2016-2017	P/L & BALANCE SHEET 2016-2017

**Note:**

**The hard copy of the total set of documents uploaded in e-Tender site except BOQ to be submitted in sealed envelope to Manager (Purchase), Webel Technology Ltd. before opening of Technical Bid. The envelope superscripted with words "Hard copy of document uploaded against Tender no. WTL/HC/CCTV/17-18/048 except BOQ".**

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## SECTION - H

### BILL OF MATERIAL

Sr.	Description	Unit	Howrah	Barasat	Alipore	Darjeeling	Burdwan	Total
1	Supply of IP IR 2 MP Dome Camera, as per given specification.	No.	125	104	177	49	80	535
2	Supply IP IR 2 MP Bullet Camera, as per given specification.	No.	29	36	44	40	39	188
3	Supply of IP IR PTZ 2 MP Camera with 30X Optical Zoom, as per given specification.	No.	1	1	2	1	1	6
4	Supply of 32 Channel NVR with 8 SATA Hard Disk slots, as per given specification.	No.	6	6	8	4	5	29
5	Supply of Surveillance Hard Disk 6TB (6000 GB) SATA (Serial SATA) ,RPM:7200 for recording.[replacable warranty for 5 years,OEM Authorized supporting documents should be submitted alongwith Bid]	No.	48	48	64	32	40	232
6	Supply of Server PC, as per given Specification.	No.	3	3	4	2	2	14
7	Supply of L2 Access Switch having 24nos. 10/100/1000BaseT PoE Ports, 2x 1G SFP slots, 2x1G/10G SFP+ slots, as per given specification.	No.	24	15	33	24	24	120
8	Supply of Core Switch having 24 nos. 1G SFP slots with 8nos. combo 10/100/1000BaseT ports, as per given specification.	No.	2	2	2	2	2	10
9	Supply of Single mode SFP Transceiver, as per given specification	No.	96	60	132	96	96	480
10	Supply of 9U Wall Mount Rack with accessories, as per given specification.	No.	24	15	33	24	24	120
11	Supply of 42U Floor Standing Rack with accessories, as per given specification.	No.	1	1	1	1	1	5
12	Supply of 6 Core Single Mode Fiber Optic Cable, as per given specification.	Mtr	3600	2250	4950	3600	3600	18000
13	Supply of 24 Port Rack Mount LIU, as per given specification.	No.	12	8	17	12	12	61
14	Supply of 12 Port Rack Mount LIU, as per given specification.	No.	24	15	33	24	24	120
15	Supply of Single Mode SC Pigtail - 1Mtr, as per given specification.	No.	576	360	792	576	576	2880
16	Supply of Single Mode SC-LC Duplex Patch Cord - 2Mtr, as per given specification.	No.	96	60	132	96	96	480
17	Supply of Cat6 UTP Cable, as per given specification.	Mtr	8200	7500	11750	4800	6350	38600
18	Supply of 24-Port Cat6 UTP Patch Panel, as per given specification.	No.	25	16	34	25	25	125
19	Supply of Cat6 UTP Information Outlet, as per given specification.	No.	164	150	235	96	127	772
20	Supply of Cat6 UTP Patch Cord -1Mtr, as per given specification.	No.	164	150	235	96	127	772
21	Supply of Cat6 UTP Patch Cord -2Mtr, as per given specification.	No.	164	150	235	96	127	772
22	Supply of Display 42" LED	No.	3	3	4	2	2	14
23	Supply of AC (1.5 Ton)	No.	1	1	1	1	1	5
24	Supply of Furniture (Combination of Chair/Table)	Set.	1	1	1	1	1	5
25	Supply, Installation & commissioning of	No.	1	1	1	1	1	5



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	Earthing.							
26	Supply, Installation & commissioning of Pole (7 Meter), as per given specification.	No.	1	1	2	1	1	6
27	Supply of Centralized UPS (6KVA) online 30Min. Backup on Full Load, as per given specification.	No.	1	1	1	1	1	5
28	OFC Laying charges including supply of HDPE pipe (ISI Make) and accessories	Mtr	3600	2250	4950	3600	3600	18000
29	Splicing of Single mode Pigtail with Fiber core	No.	576	360	792	576	576	2880
30	UTP laying charges including supply of PVC pipe/casing-caping (ISI make) and accessories	Mtr	8200	7500	11750	4800	6350	38600
31	Termination of UTP cable at both Patch Panel & I/O end.	No.	328	300	470	192	254	1544
32	Fixing of Information Outlet with Surface Mount Box	No.	164	150	235	96	127	772
33	Rack Fixing & Mounting of all the switches, LIU & patch panel inside it.	No.	25	16	34	25	25	125
34	Mounting of Cameras	No.	155	141	223	90	120	729
35	Electrical works including cost of wires and electrical Accessories ( wires to run through PVC of medium mechanical strength)	Lot	1	1	1	1	1	5
36	Installation & Commissioning	Lot	1	1	1	1	1	5

**Bill of quantity may change at the time of release of Purchase Order. Detailed Technical Specifications are given in Section - I**

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## SECTION - I

### TECHNICAL SPECIFICATION WITH COMPLIANCE STATEMENT

(Tender No. WTL/HC/CCTV/17-18/048)

- Bidder should submit all relevant data sheet/brochure of all quoted items and should also available in respective OEM's official website.
- Bidder should indicate items mentioned in the OEM data sheet / brochure by marketing as mentioned in minimum specification in the RFP

<b>Server PC</b>			
<b>Minimum Specification</b>		<b>Specification</b> <b>(Quoted/Applicable</b> <b>- by the bidder)</b>	<b>Compliance</b> <b>(Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
OS Supported	32bits: Win 7 SP1/ Win 10 OR 64bits: Win 7 SP1/ Win Server 2008 R2		
CPU	Intel Core i7 4770K or above		
RAM	8 GB or above		
HDD	250 GB or above		
Display	ATI Radeon 4650 or above (ATI Driver V11-2 recommended,) / NVIDIA Geforce 9500 graphic card with 4 GB memory		
HDMI Cable	HDMI Cable (10Mtr)		
External Storage	DAS, ISCSI support optional for backup		

<b>L2 Access Switch</b>			
<b>Minimum Specification</b>		<b>Specification</b> <b>(Quoted/Applicable</b> <b>- by the bidder)</b>	<b>Compliance</b> <b>(Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	Should be 19" Rack Mountable. The switch should be non-blocking in architecture and support 10G port based physical stacking of min 6 units. Stacking port should be ready from day 1 so that only by connecting cable - stacking could be achieved.		
2	24 RJ-45 autosensing 10/100/1000 (simultaneous) PoE ports, 2 SFP slots & 2 SFP+ slots. Should support both 1G or 10G modules in SFP+ slots for flexibility of the deployment.		
3	IEEE 802.3af PoE & IEEE 802.3at PoE+ supported on all ports with minimum PoE power budget of 193watt. Time based PoE.		
4	Should support virtual Stacking: Atleast 32 units per stack & atleast 20Gbps of stacking bandwidth		
5	Fanless design OR intelligent fan with sensor IC to provide different fan speed based on different temperature		

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6	1 console port with console cable		
7	Should have switching capacity of 92 Gbps for providing non-blocking performance on all ports		
8	Should have minimum 68 million pps switching throughput to achieve wire-speed forwarding on all ports		
9	Should support IEEE 802.3ad (LACP) & IEEE 802.1AX with up to 8 ports per groups & 32 groups per switch		
10	IEEE 802.1D Spanning Tree Protocol, IEEE 802.1w Rapid Spanning Tree Protocol and IEEE 802.1s Multiple Spanning Tree Protocol (atleast 16 MSTP instances) .Should support G.8032 ERPS technology to support 50 millisecond convergence thus video packet should not drop in case path disruption and to be integrated with other switches.		
11	Should support minimum 4K static VLANs, minimum 4K dynamic VLAN groups, IEEE 802.1 Q-based VLAN tagging ,Port based VLAN , MAC Based VLAN , IEEE 802.1v Protocol based VLAN, GVRP, asymmetric VLAN.		
12	Support for minimum 16K MAC addresses with atleast 512 static MAC		
13	Should have minimum 8 queues per port, 802.1p, strict, WRR & DRR (Deficit Round Robin) Queue handling technique, CoS based on VLAN, IP address, MAC address, Ether type, DSCP, TCP/UDP port number, 802.1p priority. Port based ingress & egress bandwidth control with minimum granularity of atleast 64Kbps		
14	Should support IGMP v1, v2 snooping for multicast( min 512 group) applications, Per VLAN IGMP snooping, host based IGMP snooping fast leave, IGMP snooping querier. MLD snooping with atleast 512 MLD snooping groups, Per VLAN MLD snooping groups, host based MLD fast leave, MLD snooping querier.		
15	Should support for features like IPv6 Neighbor discovery, atleast 64 static routes, default roots, atleast 16 numbers of IP interfaces, Jumbo frame support (atleast 9K bytes)		
16	Should support IPv4 & IPv6 dual stack from day one.		
17	Configuration through the CLI, physical console port, Telnet, SSH and Web Management. TFTP client, SNMPv1v2cv3, SNMP trap, SNTTP, debug command, RMONv1, Syslog, ICMPv6, DHCP relay option 82, LLDP, LLDP-MED, Dual Image support, sFlow, UDP helper.		
18	Switch should support on-line software reconfiguration to implement changes without rebooting		
19	Port mirroring for Tx/Rx/Both. One-to-One mode, Many-to-one mode. Flow based mirroring. Atleast 4 mirroring groups should be supported		

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20	The switch should be able to avoid the loop occurring in a single port connected to an unmanaged switch/hub by shutting down the corresponding port or corresponding VLAN		
21	Switch should support standard & extended ACLs. Atleast 250 access lists & 750 access rules should be supported. Time based ACL should be supported.		
22	IEEE802.1 X port based & MAC based authentication, SSHv1 v2 for IPv4&v6, SSLv1v2v3 for IPv4&v6, port security with minimum 128 MAC per port, traffic segmentation, DHCP server screening, ARP spoofing prevention, Dynamic ARP inspection, BPDU attack protection, DoS attack prevention, Binding of IP address, MAC address with physical port, web based access control, MAC based access control, Dynamic VLAN assignment, Guest VLAN, RADIUS & TACACS+, IPv6 source guard, IPv6 DHCP guard, IPv6 RA guard, IPv6 ND inspection, protection of the processor from protocol control packet attack.		
23	Energy saving green technology based on link status & IEEE 802.3az		
24	Power: Input 100-240VAC, 50/60Hz. Operating temp: Min -5 to 50 Degree C.		
25	Switch should have following certifications: CE, FCC, C-Tick, VCCI, cUL, CB		
26	All the switches & transceiver modules should be from same make		
27	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid)		
28	OEM should have presence in the Gartner's magic quadrant for Wired and Wireless LAN Access Infrastructure atleast for last consecutive 3 years		
29	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		
30	OEM should have own service centre in the state of installation (OEM Letter head declaration along with the address of the service centre need to be submitted along with the bid)		

<b>Core Switch</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	Should be 19" Rack Mountable size with 1U height. The switch should be non-blocking in architecture		

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2	L2 stackable fully managed switch with 24xSFP slots with 8xcombo 10/100/1000BaseT Ports.		
3	The switch should have console port for Out-of-band management & SD card slot		
4	The switch should have smart fans with sensor IC that provides different fan speed based on different temperature.		
5	The switch should have support for redundant power supply.		
6	The switch should have switching capacity atleast 88Gbps & packet forwarding rate atleast 65Mpps for 64-bytes packet size		
7	The switch should have virtual stacking capability of atleast 32 switches in a stack.		
8	The switch should have atleast 16K MAC address table size		
9	The switch should have Jumbo frame support for atleast 13KB frame size.		
10	The switch should support 802.1D, 802.1w & 802.1s with atleast 16 MSTP instances, per port & per device BPDU filtering, Root Guard or equivalent features.		
11	The switch should support G.8032 ERPS technology to support 50 millisecond convergence		
12	The switch should be able to avoid the loop occurring in a single port connected to an unmanaged switch/hub by shutting down the corresponding port or corresponding VLAN		
13	The switch should support 802.1AX, 802.3ad Link aggregation with atleast 32 groups per device & atleast 8 ports per groups. LACP, cross-stack trunk.		
14	The switch should support port mirroring with atleast 4 mirroring groups. Should support Tx, Rx & both based mirroring. Should support one-to-one & many-to-one mirroring, flow based mirroring, RSPAN.		
15	The switch should support IGMP v1 v2 & v3 snooping with atleast 2048 snooping groups. Should support IGMP snooping per VLAN, host based IGMP snooping fast leave, load balancing the multicast traffic when working with LACP or trunk, Static IGMP group. IGMP authentication		
16	The switch should support MLD v1 & v2 snooping with atleast 1024 snooping groups. Per VLAN MLD snooping.		
17	The switch should support atleast 4K VLAN groups, 802.1Q, 802.1v protocol based VLAN, atleast 16 protocol based VLAN per physical port, support multiple VLANs for each protocol, support VLAN classification based on ether type. Q-in-Q		
18	The switch should support GVRP, Voice VLAN, Port-based VLAN, MAC-based VLAN, Asymmetric VLAN		
19	The switch should support atleast 16 IP interfaces & 8 loopback interfaces		

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20	The switch should support static route (atleast 512), Policy based routing, RIPv1v2, RIPvng, OSPFv2v3, ECMP, WCMP, VRRP		
21	The switch should support IGMPv1v2v3, MLDv1v2, DVMRPv3, PIM-DM,PIM-SM, PIM-SSM, PIM-SDM		
22	The switch should support gratuitous ARP. ARP proxy		
23	The switch should support 802.1p, DSCP, atleast 8 queues per port.		
24	The switch should have following queue handling methods: strict, weighted round robin, strict+ weighted round robin. WRED		
25	The switch should CoS & be able to classify packets based on following parameters: VLAN ID, 802.1p priority, MAC address, Ethertype, DSCP, protocol type, IPv4 address, TCP/UDP port number, User defined packet content, IPv6 address. Support Single Rate Three Color Marker (srTCM).		
26	The switch should support port based ingress & egress bandwidth control with minimum granularity 64Kbps. Flow-based ingress & egress bandwidth control with minimum granularity of 64kbps.		
27	The switch should support time based QoS.		
28	The switch should support access control list based on VLAN ID, MAC address, Ether type, 802.1p priority, DSCP, protocol type, TCP/UDP port, IPv4 address, IPv6 address, IPv6 traffic class.		
29	The switch should support time based ACL.		
30	The switch should support SSHv2 for both IPv4 & IPv6, SSLv1v2v3 for both IPv4 & IPv6, Port security with atleast 64 MACs per port. IPv6 tunneling, Binding of IP address & MAC address with physical port. IP source guard, Dynamic ARP Inspection, DHCPv6 Guard, IPv6 ND Inspection		
31	The switch should support broadcast, multicast & unicast strom control.		
32	The switch should have feature to protect the CPU from protocol control packet attack.		
33	The switch should support DHCP server screening, DHCP client filtering, ARP spoofing prevention, BPDU attack protection. DoS attack prevention.		
34	The switch should support 802.1x -- RFC 3580, web based access control with customizable web page, MAC based access control, guest VLAN, Microsoft NAP, RADIUS accounting.		
35	The switch should support following authentication methods: Local data base, RADIUS, TACACS, TACACS+, TACACS+ accounting		
36	The switch should have atleast 4 level user account for management access.		
37	The switch support web based -GUI, CLI, telnet server & client, TFTP client, Zmodem, SNMPv1v2cv3, Syslog.		

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38	The switch should be able to enable trusted host by following applications: Telnet, SNMP, HTTP, HTTPS, SSH, Ping, IPv6 Traceroute, sFlow		
39	The switch should be able to support SMTP as per RFC2821		
40	The switch should support RMONv1 & v2, 802.1AB LLDP, LLDE-MED, BooTP & DHCP client, DHCP relay option 82, DHCP relay option 12, DHCP Server with atleast 10 address pool.		
41	The switch should support multiple images & configurations, port descriptions, editable system prompt, CPU monitoring feature, memory monitoring feature, SNTP, debug, encrypted password		
42	The switch should support 802.3ah OAM, UDLD or equivalent feature, 802.1ag CFM, Y.1731 OAM		
43	The switch should have inbuilt power saving technique on all Gigabit RJ-45 ports		
44	The switch should have cable diagnostic function to check the status of connected RJ-45 cables.		
45	The switch should have operating temperature atleast 0-50 degree Celcius		
46	The switch should be RoHS compliant & should have following certifications: CE, FCC, cUL, C-tick, VCCI, IPv6 Ready Logo Phase 2		
47	All the switches & transceiver modules should be from same make		
48	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid)		
49	OEM should have presence in the Gartner's magic quadrant for Wired and Wireless LAN Access Infrastructure atleast for last consecutive 3 years		
50	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		
51	OEM should have own service centre in the state of installation (OEM Letter head declaration along with the address of the service centre need to be submitted along with the bid)		

<b>Single mode SFP Transceiver</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	1000BASE-LX Single Mode SFP Transceiver with Duplex LC Connector		
2	Support IEEE 802.3z standard		

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3	Atleast 10Km distance support on single mode fiber interface		
4	Transceiver module should be hot pluggible. MSA Compliant		
5	TTL signal detect indicator, Metal enclosure for lower EMI		
6	Operating wavelength: 1310nm		
7	It should be of same make as Core switches & Access Switches		
8	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid)		
9	OEM should have presence in the Gartner's magic quadrant for Wired and Wireless LAN Access Infrastructure atleast for last consecutive 3 years		
10	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		
11	OEM should have own service centre in the state of installation (OEM Letter head declaration along with the address of the service centre need to be submitted along with the bid)		

<b>9U Wall Mount Rack</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	19", 9U x 550mm width x 450mm depth Wall Mount Networking Rack		
2	It should confirm to DIN 41494 or equivalent standard		
3	It should be welded construction with steel frame		
4	Lockable toughend glass front door		
5	19" mounting angle made of formed steel		
6	Powdered coated standard finish		
7	Top & Bottom welded cover with vented & cable entry exit cut outs		
8	2 pair of 19" mounting rails		
9	1U Cable Manager		
10	Roof Mounted Fan Unit (90CFM)		
11	230V AC, 6 way, 5 Amp Power Distribution Unit		
12	Mounting Hardware		
13	All the rack and rack component should be from same make.		



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14	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid)		
15	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		
16	OEM should have own service center / own repairing center in the state of installation (OEM Letter head declaration along with the address of the service centre need to be submitted along with the bid).		

<b>42U Floor Standing Rack</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	19", 42U x 800mm width x 1000mm depth Floor Standing Networking Rack		
2	It should confirm to DIN 41494 or equivalent ISO standard		
3	It should be welded construction with steel frame		
4	Single Lockable toughend glass front door		
5	Vented metal door at the back, Vented side panels		
6	19" Reduced Channel- loop type		
7	Powdered coated standard finish		
8	Top & Bottom welded cover with vented & cable entry exit cut outs		
9	4 sets of casters wheel		
10	4 sets of adjustable levellers		
11	Vertical Power Distribution Unit with 12nos. Of 5/15Amp round pin indian style sockets		
12	Vertical & Horizontal Cable Manager		
13	Mounting Hardware set		
14	Atleast 4nos. Of FANs (360CFM) for cooling purpose		
15	All the rack and rack component should be from same make.		
16	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid)		
17	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		
18	OEM should have own service center / own repairing center in the state of installation (OEM Letter head declaration along with the address of the service centre need to be submitted along with the bid).		

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<b>6 Core Single Mode Fiber Optic Cable</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	6 Core Single Mode Outdoor Armored Fiber Optic Cable		
2	HDPE Sheath with ECCS (Electro Chromium Coated Corrugated Steel) tape armour & water blocking tape, two steel music wire		
3	Central loose tube with jelly compound		
4	Sequential meter marking		
5	Standards: ISO 11801, IEC60793-1, IEC60794-1.2, ITU-T REC G.652D, Telecordia GR-20 Core		
6	Outer Diameter: 7.2±0.5mm		
7	Thickness of HDPE Jacket: 1.8±0.2mm		
8	Pulling Tension: Short Term (1000N)		
9	Crush Load: 2000N/100mm		
10	Bend Radius: Short Term (20D)		
11	The fiber type is a Matched Cladding Single Mode		
12	Fiber dual coated with acrylate coating.		
13	The fiber is optimized for operation at 1310 nm and at 1550 nm.		
14	Mode Field Diameter: 9.2 ± 0.4 μm		
15	Cladding Diameter: 125 ± 0.7 μm		
16	Dispersion (ps/(nm-km)): ≤3.5		
17	PMD (ps/km): ≤0.2		
18	Cable Cut-off Wavelength: 1260nm		
19	<b>Attenuation (of cable with fibers):</b>		
20	At 1310 nm: ≤ 0.34 dB/km		
21	At 1550 nm : ≤ 0.22 dB/km		
22	All the passive components should be form the same OEM make including the back box of the I/O.		
23	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid)		
24	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		
25	OEM should have own service center / own testing center in the state of installation (OEM Letter head declaration along with the address of the own service center need to be submitted along with the bid).		

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<b>24 Port Rack Mount LIU</b>			
<b>Minimum Specification</b>		<b>Specification</b> <b>(Quoted/Applicable</b> <b>- by the bidder)</b>	<b>Compliance</b> <b>(Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	24-Port, 19" Rack Mount LIU Fully Loaded with Single Mode duplex SC Adapters		
2	Aluminium/Steel base material with powder coating for light mounting		
3	Snap-in locker design, easy to change the adapter panels		
4	Front mounted cable saddles for jumper management		
5	It should have facility for managing splices & terminations		
6	It should have rubber fiber slotted bracket built-in, splice tray of ABS/polycarbonate to protect the fiber		
7	It should be capable of storing upto 3mtr of 900micron tight buffered fiber per adapter		
8	It should have snap-in locker design for easy to change adapter panels for various connector patching		
9	It should have removable rubber grommet allowing for pre-terminated fibre trunk installation, cable protection & minimizing dust build-up.		
10	It should have atleast 2 or more rubber cable plugs for cable entries.		
11	It should have removable front & top covers for better access to interior of LIU		
12	It should be supplied with cable ties, mounting ear screws		
13	All the passive components should be form the same OEM make including the back box of the I/O.		
14	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid)		
15	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		
16	OEM should have own service center / own testing center in the state of installation (OEM Letter head declaration along with the address of the own service center need to be submitted along with the bid).		

<b>12 Port Rack Mount LIU</b>			
<b>Minimum Specification</b>		<b>Specification</b> <b>(Quoted/Applicable</b> <b>- by the bidder)</b>	<b>Compliance</b> <b>(Yes/No)</b>
<b>Make:</b>			

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<b>Model:</b>			
<b>Part Number:</b>			
1	12-Port, 19" Rack Mount LIU Fully Loaded with Single Mode duplex SC Adapters		
2	Aluminium/Steel base material with powder coating for light mounting		
3	Snap-in locker design, easy to change the adapter panels		
4	Front mounted cable saddles for jumper management		
5	It should have facility for managing splices & terminations		
6	It should have rubber fiber slotted bracket built-in, splice tray of ABS/polycarbonate to protect the fiber		
7	It should be capable of storing upto 3mtr of 900micron tight buffered fiber per adapter		
8	It should have snap-in locker design for easy to change adapter panels for various connector patching		
9	It should have removable rubber grommet allowing for pre-terminated fibre trunk installation, cable protection & minimizing dust build-up.		
10	It should have atleast 2 or more rubber cable plugs for cable entries.		
11	It should have removable front & top covers for better access to interior of LIU		
12	It should be supplied with cable ties, mounting ear screws		
13	All the passive components should be form the same OEM make including the back box of the I/O.		
14	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid)		
15	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		
16	OEM should have own service center / own testing center in the state of installation (OEM Letter head declaration along with the address of the own service center need to be submitted along with the bid).		

<b>Single Mode SC Pigtail - 1Mtr</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	Corning Optical Fiber single mode complying to OS1, G652D		
2	SC type Single Mode Connector		

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3	Low insertion & return loss, clean & scratch free faces		
4	1Mtr length		
5	Insertion Loss: Typical: $\leq 0.2\text{dB}$ , Max. $0.3\text{dB}$		
6	Return Loss: $\geq 25\text{ dB}$		
7	Connector Ferrule: Ceramic		
8	Repeatability: atleast 1000 times mating cycles		
9	Working Temp : $-10\text{ deg C. to } + 60\text{ deg. C}$		
10	All the passive components should be form the same OEM make including the back box of the I/O.		
11	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid)		
12	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		
13	OEM should have own service center / own testing center in the state of installation (OEM Letter head declaration along with the address of the own service center need to be submitted along with the bid).		

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<b>Single Mode SC-LC Duplex Patch Cord - 2Mtr</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	All optical fiber patch leads shall comprise of Single mode 9/125µm fiber with SC & LC fiber connectors terminated at each end. The optical fiber patch leads shall comply with the following specifications:		
2	Optical Fiber – Corning Single Mode		
3	High Precision ceramic ferrule with good concentricity		
4	Low insertion loss & return loss, clean and scratch free end faces		
5	Duplex		
6	Color-coded Yellow for SM		
7	Insertion Loss - <0.3 db & Return Loss: ≥ 25 dB		
8	Cable: 9/125, SM.		
9	Repeatability : 1000 times mating cycles		
10	Working Temp: -10 Deg C to +60 Deg C		
11	Length : 2Mtr		
12	All the passive components should be form the same OEM make including the back box of the I/O.		
13	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid)		
14	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		
15	OEM should have own service center / own testing center in the state of installation (OEM Letter head declaration along with the address of the own service center need to be submitted along with the bid).		

<b>Cat6 UTP Cable</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	Category 6 Unshielded Twisted Pair 4 pair 100Ω cable shall be compliant with ANSI/TIA-568-C.2 category 6 & ISO 11801 Class E. Performance verified upto 600MHz. UL Listed & ETL Verified.		

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2	Category 6 UTP cables shall extend between the work area location and its associated telecommunications closet and consist of 4 pair, 23 AWG, UTP.		
3	All Category 6 cables shall meet or exceed the following characteristics:		
4	Construction: 4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half shall not be accepted.		
5	Conductor Solid bare Copper		
6	Conductor Diameter: 23 AWG		
7	Insulation :High Density Polyethylene		
8	Jacket: FR-PVC		
9	Outer Diameter 6.1 mm nominal		
10	Insertion Loss: 32.8dB/100mtr @ 250MHz		
11	Box of 305Mtr, each meter printed with sequential length counter		
12	<b>Electrical Properties:</b>		
13	Characteristic Impedence: $100 \pm 15 \Omega$		
14	Conductor Resistance: $\leq 9.38\Omega /100m$		
15	Insulation Resistance: $100M \Omega$		
16	Mutual Capacitance: $< 5.6nF/100m$		
17	Delay Skew: $< 45nS$		
18	NVP (%): 69%		
19	Dielectric Strength: 2.5KV DC for 2 sec OR 0.75KV AC for 1min		
20	All the passive components should be form the same OEM make including the back box of the I/O.		
21	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid).		
22	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		
23	OEM should have own service center / own testing center in the state of installation (OEM Letter head declaration along with the address of the own service center need to be submitted along with the bid).		

<b>24-Port Cat6 UTP Patch Panel</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	24-Port Cat6 UTP Patch Panel		
2	Should be made of powder coated steel, in 24 port configurations, 1U.		
3	Allow for a minimum of 200 re-terminations without signal degradation below standards compliance		

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	limit.		
4	Have port identification numbers on the front of the panel.		
5	IDC: Suitable for 22-26 AWG stranded and solid wire compatible with both 110 & Krone punch down tools		
6	The Cat-6 transmission performance is in compliance with the ANSI/TIA/EIA 568C.2 standard. UL Listed		
7	<b>Jack Connector Specification:</b>		
8	Housing: PBT+ Glass Fiber, UL94V-0 rated		
9	Operating Life: Minimum 750 insertion cycles		
10	Contact Material: Phosphor Bronze with Nickel plated		
11	Contact Plating: 50µ" Gold plated on plug contact area		
12	<b>IDC Connector Specification:</b>		
13	Plastic Housing: PC UL94V-2 rated		
14	Jack Bracket set : ABS		
15	IDC Contact Plating: Phosphor bronze with tin plated		
16	Wire Accommodation: 22-26 AWG solid		
17	All the passive components should be form the same OEM make including the back box of the I/O.		
18	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid)		
19	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		
20	OEM should have own service center / own testing center in the state of installation (OEM Letter head declaration along with the address of the own service center need to be submitted along with the bid).		

<b>Cat6 UTP Information Outlet</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	Single Port		
2	Write on labels in transparent plastic window – supplied with plate		
3	Face Plate with shutter		
4	Category 6 UTP, ANSI/TIA/EIA 568 C.2.		
5	All information outlets for 22-26 AWG copper cable shall:		
6	Use insulation displacement connectors (IDC)		



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7	Allow for a minimum of 200 re-terminations without signal degradation below standards compliance limits.		
8	Insertion force: 20N max		
9	<b>Jack Specification:</b>		
10	Housing: PC, UL94V-2 rated or equivalent		
11	Operating Life: Minimum 750 insertion cycles		
12	Contact Material: Phosphor Bronze with nickel plated		
13	Contact Plating: 50 μinches gold on plug contact area		
14	IDC : Housing PC , UL 94 V-2, T568A/B configuration		
15	Operating Life: Minimum 200 Re-terminations		
16	IDC Contact Plating: Phosphor bronze with tin plated		
17	Operation Temp: -10 deg. C to 60 deg. C		
18	Surface Mount Box / Back Box of same OEM make as face plate & keystone jack should be provided.		
19	All the passive components should be form the same OEM make including the back box of the I/O.		
20	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid)		
21	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		
22	OEM should have own service center / own testing center in the state of installation (OEM Letter head declaration along with the address of the own service center need to be submitted along with the bid).		

<b>Cat6 UTP Patch Cord -1Mtr</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	Category 6 UTP factory crimped Patch Cord --1Mtr		
2	Patch Cord should have sealed boot at both ends		
3	The Patch Cord shall, at a minimum comply with proposed TIA/EIA-568-C.2 Commercial Building Cabling Standards Transmission Performance Specifications for 4 pair 100Ω Category 6 Cabling. UL Listed. ETL Verified.		
4	Equipped with modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.		
5	Conductor size: 24 AWG stranded copper		
6	Jacket: PVC CM rated		
7	Insulation: HDPE		

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8	Operating life: Minimum 750 insertion cycles		
9	Contact blade: Phosphor bronze		
10	Dielectric withstanding voltage :500 V AC		
11	All the passive components should be form the same OEM make including the back box of the I/O.		
12	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid)		
13	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		
14	OEM should have own service center / own testing center in the state of installation (OEM Letter head declaration along with the address of the own service center need to be submitted along with the bid).		

<b>Cat6 UTP Patch Cord -2Mtr</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	Category 6 UTP factory crimped Patch Cord --2Mtr		
2	Patch Cord should have sealed boot at both ends		
3	The Patch Cord shall, at a minimum comply with proposed TIA/EIA-568-C.2 Commercial Building Cabling Standards Transmission Performance Specifications for 4 pair 100Ω Category 6 Cabling. UL Listed. ETL Verified.		
4	Equipped with modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.		
5	Conductor size: 24 AWG stranded copper		
6	Jacket: PVC CM rated		
7	Insulation: HDPE		
8	Operating life: Minimum 750 insertion cycles		
9	Contact blade: Phosphor bronze		
10	Dielectric withstanding voltage :500 V AC		
11	All the passive components should be form the same OEM make including the back box of the I/O.		
12	OEM should have valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. (Documents to be submitted along with the bid)		
13	OEM Brand and company together presence in india should be atleast for last 20 years. (Documents to be submitted along with the bid. No letter head declaration accepted)		

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14	OEM should have own service center / own testing center in the state of installation (OEM Letter head declaration along with the address of the own service center need to be submitted along with the bid).		
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<b>Pole (7 Meter)</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
1	Pole Type :- Hot Dip Galvanized, Free Standing, Octagonal /Circular, Continuously Tapered.		
2	Height of High Mast :- 7 Mtrs.		
3	Size :- Diameter (Top) Top-70 mm Diameter (Bottom) -130 mm Thickness -3mm		
4	Anchor Plate :- (Min. thickness – 4mm) Base plate Base plate :- (Min. 220X220X12mm) No. of longitudinal weld :- 1 (No circumferential weld is allowed) Joint :- Single section, no joint required Material of construction (Shaft) :- High Tensile Steel BSEN 10025 or Equivalent. Material of construction (Base Plate) :- IS 2062 or Equivalent .		
5	Metal Protection Treatment for Monopole :- Hot dip galvanized, single dip, inside & outside confirming BSEN ISO 1461		
6	Galvanization Thickness :- Min.65 Microns or as per BSEN ISO 1461		
7	Spikes :- Anti-climb paint and provisioning of spikes		

<b>UPS (6KVA)</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
Capacity (in kVA / kW)	6 kVA/ 5.4 kW 1-Phase Input / 1-Phase Output. Required in Parallel mode i.e 2X6kva for future provision		
Technology and Capability	True Online configuration with double conversion UPS		

## WEBEL TECHNOLOGY LIMITED

	Possibility of enhancing UPS capacity / redundancy by operating UPS in 1+1 Parallel Redundant Configuration (PRS).		
Input Voltage Range	160 - 280V AC (On Full Load)		
Nominal Input Frequency	50 / 60 Hz (Auto selectable)		
Input Frequency Range	40 to 70 Hz		
Input Power Factor	> 0.98 on Full Load		
Input Current Harmonic Distortion (THDi)	< 5% on full resistive Load		
Generator Compatibility	Compatibility to genset supply required		
Input Protection (Thru In-built 1P MCB)	Should be provided at the input of the UPS suitable for the full rated capacity of the UPS		
Nominal Output voltage	220/ 230/ 240VAC (Selectable)		
Output Voltage Regulation	±2%		
Nominal Output Frequency	50 / 60 Hz		
Output Wave Form	Pure sine wave		
Output Voltage Distortion (THDu)	<= 2% for Linear load		
Crest Factor	3 : 1 On Full Load (Minimum)		
Output Short circuit Protection	Electronic / Fused		
Overall Efficiency (AC to AC) - Online (Double Conversion)	>= 94% (On Full R Load) & >= 98% in ECO mode		
Measurements (On LCD)	Input: Voltage / Frequency, Output: Voltage / frequency, Battery: Remaining time / Voltage, Load: Percentage / kW		
Fault Indication (On LCD)	Charger Failure, Battery Failed, Battery Low, Overload		
Indications (LED/LED)	AC indicator/Battery Mode of Operation / Bypass feeding the load / UPS Fault		
Audible Alarms	Battery Low beep / DC Fault beep/ UPS Overload beep/ o/p short ckt fault beep/ Shutdown beep		
Battery Type	Sealed Maintenance Free (SMF) / Valve Regulated Lead Acid (VRLA) type, Flooded / tubular / vented type		
Battery charging	Constant Current & Constant Voltage		
Back up time	30 Min back up on 4000 Watts IT Load		
Battery recharge time (After complete discharge) to 90% capacity	8-10 hours		
VAH Required	4992 VAH should be mentioned by bidder		
Serial Communication RS232 Port (Option of USB Port should be available)	RS2323 Port should be provided as standard in the UPS. However there should be provision for USB port also in the UPS		
REPO(Remote Emergency Power OFF) / ROO(Remote ON - OFF) Port	Should be provided as standard in the UPS		
Cold Start	UPS should start up		
	On AC Supply (Mains) without DC Supply (Batteries)		
	On DC Supply (Batteries) without AC Supply		

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	(Mains)		
Automatic Restart	UPS should start up automatically on mains resumption after battery low shutdown		
Operating Temperature	0 to 40 deg C		
Storage Temperature	-15 to 50 deg C		
Operating Humidity	0% ~ 95%RH (No Condensing)		
Noise Level	< 58 dbA at 1 meter distance		
Form Factor	Rack mountable		
Air Filters (mandatory)	UPS should have internal anticorrosion air filters for dust filtration		
Manufacturer Guideline	ISO 9001: 2008, ISO 14001: 2004, ISO 18001: 2007		
Warranty	Five Years warranty on ups and two years warranty on battery.		
Service Support	OEM should have own centralized Help Desk (24 X 7 support) with Toll Free Number.		

<b>IP IR 2 MP Dome Camera</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
Image Sensor	1/3" Progressive Scan CMOS or better		
Min. Illumination	Color: 0.2Lux (AGC ON), 0 Lux with IR		
Lens	2.8/4mm or better		
Image Resolution	1920X1080		
Shutter Time	1s to 1/20,000s		
Streaming Type	Camera shall offer three video streams (it shall be supported with independent resolution, bit rate and frame rates)		
Compression format	Camera shall offer video compression of H.265, H.264 , MJPEG		
Day & Night	camera shall provide true & day-night (ICR) low-light capabilities		
Digital Noise Reduction	3D DNR		
BLC features	should support		
Wide Dynmic Range	100dB True WDR		
Privacy Mask	should support		
Image Settings	image rotation, saturation, brightness, contrast, sharpness		
Ethernet Port	1X RJ45 10M/100M Ethernet Interface		
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, NTP, UPnP, SMTP, IPv6		
Smart Analytics feature	Preferable features: Intrusion detection, Line Crossing detection, Motion detection, unattended baggage detection, object removal detection		
On Board Storage	Micro SD/SDHC/ SDXC card slot		
API	ONVIF standards		
IR range	min. 20 meters		
Protection Level	IP66		

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Power Supply	12V DC, PoE (802.3af)		
Operating condition	-10 degree celcius to 50 degree celcius, Humidity 90% or less (non-condensing)		
Certificates	CE, FCC, UL		
Basic OEM Guideline	OEM should have more than 10 years existence in India (Documentary proof need to be submitted along with the bid). OEM should have own office and own service center in the state of installation (Documentary proof need to be submitted along with the bid). OEM should have valid ISO 9001 & ISO 14001 for design & development (Certificate need to be submitted along with the bid)		

<b>IP IR 2 MP Bullet Camera</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
Image sensor	1/2.8" Progressive Scan CMOS or better		
Minimum Illumination	Color 0.01Lux(AGC ON), 0 Lux with IR		
Lens	2.8~12mm or better		
Image Resolution	1920x1080		
Shutter Time	1/3s to 1/20,000s		
Streaming type	Camera shall offer three video streams (it shall be supported with independent resolution, bit rate and frame rates)		
Compression Format	Camera shall offer video compression of H.265, H.264, MJPEG		
Day & Night	camera shall provide true & day-night (ICR) low-light capabilities		
Digital Noise Reduction	3D DNR		
BLC features	should support		
Wide Dynamic Range	100dB WDR		
ROI	should support		
Privacy Mask	should support		
Image Settings	Image rotation, Saturation, Brightness, Contrast, Sharpness, White Balance		
Ethernet Port	1 no. RJ45 10M/100M Ethernet Interface		
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, NTP, UPnP, SMTP, 802.1X, QoS, IPv6		
Smart Analytics Features	Preferable - Intrusion detection, Line crossing detection, Motion detection, Unattended baggage detection, object removal detection.		
On-board storage	Micro SD/SDHC/SDXC card slot		
API	ONVIF standards		
IR range	min. 30 meters		
Protection Level	IP66 / IK10		
Power Supply	12V DC, PoE (802.3 af/at)		

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Operating condition	-10 degree celcius to 50 degree celcius ( 14 degree Fahrenheit to 140 degree Fahrenheit) Humidity 90% or less (non-condensing)		
Certificates	CE, FCC, UL		
Basic OEM guidelines	OEM should have more than 10 years existence in India (Documentary proof need to be submitted along with the bid). OEM should have own office and own service center in the state of installation (Documentary proof need to be submitted along with the bid). OEM should have valid ISO 9001 & ISO 14001 for design & development (Certificate need to be submitted along with the bid)		

<b>IP IR PTZ 2 MP Camera with 30X Optical Zoom</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
Image Sensor	1/2.8" Progressive Scan CMOS or better		
Min. Illumination	Color: 0.05 lux, 0 lux with IR		
Maximum Image Resolution	1920 x 1080		
Focal Length	5mm ~ 129mm		
Optical Zoom	30x		
Digital Zoom	16x		
Focus Mode	Auto / Manual		
S / N Ratio	Greater than or equal to 50dB		
Shutter Time	1~1/10,000s		
AGC	Auto / Manual		
White Balance	Auto / Manual		
Day & Night	IR Cut Filter		
Privacy Mask	should support		
Optical Defog Function	should support		
Image Enhancement	3D DNR, HLC/BLC		
Range	Pan: 360 degree endless; Tilt: -20 degree ~ 90 degree (Auto Flip)		
Speed	Pan Manual Speed: 0.1deg ~ 160deg / s, Pan Preset Speed: 180deg/s		
	Tilt Manual Speed: 0.1deg ~ 120deg/s, Tilt Preset Speed: 200deg/s		
Number of Preset	300		
Patrol	8 patrols & 4 patterns. Scheduled task must be configurable.		
Smart detection	intrusion detection, line crossing detection		
IR Distance	min. 150m or better		
Alarm I/O	min. 2 in/1 out		
Audio input/output interface	should support		
Ethernet port	1 x 10Base-T / 100Base-TX, RJ45 connector		
Main Stream	25fps (1920x1080, 1280x960, 1280x720);		
	30fps(1920 x 1080, 1280 x 960, 1280 x 720);		

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Sub Stream	25fps(704x576, 352x288); 30fps(704x480, 352x240);		
Third Stream	25fps (1920x1080, 1280x960, 1280x720, 704x576, 352x288) 30fps (1920 x 1080, 1280 x 960, 1280 x 720, 704x480, 352x240)		
Image Compression Format	H.265/H.264/MJPEG		
Protocols	IPv4/IPv6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, DHCP		
Onboard Storage	Micro SD/SDHC/SDXC card slot		
User/Host Level	Administrator, Operator and User		
Security Measures	User authentication (ID and PW); Host Authentication (MAC address) IP address filtering		
Application programming	support ONVIF/PSIA		
Web Browser	IE7 +, Firefox 5.0+, Safari 5.02+		
RS-485 Protocols	Supported		
Power	24 VAC		
Working Temperature	-10 degree to 55 degree celcius.		
Humidity	90% or less		
Protection Level	IP66, TVS 4000V lightening protection, surge protection		
Certification	FCC, CE, UL		
Accessories	Bidder should supply PTZ with proper Mounting bracket & power supply		
Basic OEM Guideline	OEM should have more than 10 years existence in India (Documentary proof need to be submitted along with the bid). OEM should have own office and own service center in the state of installation (Documentary proof need to be submitted along with the bid). OEM should have valid ISO 9001 & ISO 14001 for design & development (Certificate need to be submitted along with the bid)		

<b>32 Channel NVR with 8 SATA Hard Disk slots</b>			
<b>Minimum Specification</b>		<b>Specification (Quoted/Applicable - by the bidder)</b>	<b>Compliance (Yes/No)</b>
<b>Make:</b>			
<b>Model:</b>			
<b>Part Number:</b>			
Operating System	Embedded Linux		
IP Video input	32-Channel IP Video input		
Two-Way Audio	should support		
Incoming / Outgoing Bandwidth	320 Mbps or better		
Display Interface	min. 2 x HDMI, min. 1 x VGA		
HDMI-1/VGA-1: Output resolution	HDMI: 3840 x 2160/30Hz, 2560 x 1440/60Hz, 1920 x 1080p/60Hz, 1600 x 1200/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz, 1024 x 768/60Hz		
	VGA: 1920 x 1080p/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz, 1024 x 768/60Hz		



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HDMI-2/VGA-2: Output resolution	1920 x 1080p/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz, 1024 x 768/60Hz		
Audio output	1-Ch, RCA (Linear, 1 Kilo ohm)		
Split-Screen display	it should support multi split-screen live view on connected monitor		
Recording Resolution	12MP/ 8MP/ 6MP/ 5MP/ 4MP/ 3MP/ 1080p/ UXGA/ 720p/ VGA/ 4CIF/ CIF		
Decoding Format	it should support H.265/ H.264/ MPEG4		
Synchronous Playback	16-Channel		
Smart Search Option	Required		
SATA interface for HDD	8 x SATA interfaces required for 8 HDDs (Hot Swappable HDD with RAID-0, RAID-1, RAID-5, RAID-10) Make :- Seagate , Western Digital . Replaceable Warranty for 5 years.		
Automatic	should support		
Network Interface	2 x RJ45 10/100/1000 Mbps self-adaptive Ethernet interfaces		
USB interface	atleast 2 x USB 2.0		
Serial Interface	RS-485		
Alarm in/out	atleast 16 input / 4 output		
Power Supply	100 to 240 VAC ( Redundant power supply required )		
Consumption without HDD	less than or equal to 30W		
Working temperature	-10 degree to 55 degree celcius (14 to 131 degree Farenheit)		
Working Humidity	10 to 90 %		
Certification	CE/FCC/UL		
Basic OEM Guideline	OEM should have more than 10 years existence in India (Documentary proof need to be submitted along with the bid). OEM should have own office and own service center in the state of installation (Documentary proof need to be submitted along with the bid). OEM should have valid ISO 9001 & ISO 14001 for design & development (Certificate need to be submitted along with the bid)		

Authorized Signatory (Signature In full): \_\_\_\_\_

Name and title of Signatory: \_\_\_\_\_

Stamp of the Company: \_\_\_\_\_

# WEBEL TECHNOLOGY LIMITED

## SECTION – J

### DETAILS OF ORDERS EXECUTED BY BIDDER

(Tender No. WTL/HC/CCTV/17-18/048)

Sl. No.	Order No.	Order Date	Order Value	Brief description of items and job details	Completed (Yes/NO)	Name of the Customer	Contact details of the Customer

Authorized Signatory (Signature In full): \_\_\_\_\_

Name and title of Signatory: \_\_\_\_\_

Stamp of the Company: \_\_\_\_\_

**Note:**

- A. Type of Project shall indicate the implementation of services (Delivery & Installation of Network Security Device).
- B. Scope of work shall indicate whether it is implementation, Operation or maintenance.
- C. Submit Customer Order Copy details of the order indicating the project value, customer contact details.

# **WEBEL TECHNOLOGY LIMITED**

## **SECTION – K**

### **FINANCIAL CAPABILITY OF BIDDER**

(Tender No. WTL/HC/CCTV/17-18/048)

#### **FINANCIAL INFORMATION**

Sl. No.	Name of the Bidder	Turnover (Rs. / Crores)		
		2014-15	2015-16	2016-17
1				

Authorized Signatory (Signature In full): \_\_\_\_\_

Name and title of Signatory: \_\_\_\_\_

Stamp of the Company: \_\_\_\_\_

**Note:**

Submit the audited financial statement/ audited annual report of the last three financial years.

# WEBEL TECHNOLOGY LIMITED

## SECTION – I

### BIDDERS'S DETAILS

(Tender No. WTL/HC/CCTV/17-18/048)

1	Name of the Firm	
2	Registered Office Address	
	Contact Number	
	Fax Number	
	E-mail	
3	Correspondence / Contact address	
	Name & Designation of Contact person	
	Address	
	Contact Number	
	Fax Number	
	E-mail	
4	Is the firm a registered company? If yes, submit documentary proof	
	Year and Place of the establishment of the company	
6	Former name of the company, if any	
7	<p>Is the firm</p> <ul style="list-style-type: none"> <li>▪ a Government/ Public Sector Undertaking</li> <li>▪ a propriety firm</li> <li>▪ a partnership firm (if yes, give partnership deed)</li> <li>▪ a limited company or limited corporation</li> <li>▪ a member of a group of companies, (if yes, give name and address and description of other companies)</li> <li>▪ a subsidiary of a large corporation (if yes give the name and address of the parent organization). If the company is subsidiary, state what involvement if any, will the parent company have in the project.</li> </ul>	
8	Is the firm registered with Sales Tax department? If yes, submit valid GST Registration certificate.	
9	Is the firm registered for Service Tax with Central Excise Department (Service Tax Cell)? If yes, submit valid Service Tax registration certificate.	
10	Total number of employees. Attach the organizational chart showing the structure of the organization.	
11	Are you registered with any Government/ Department/ Public Sector Undertaking (if yes, give details)	
12	How many years has your organization been in business under your present name? What were your fields when you established your organization	
13	<p>What type best describes your firm? (Purchaser reserves the right to verify the claims if necessary)</p> <ul style="list-style-type: none"> <li>▪ Manufacturer</li> <li>▪ Supplier</li> <li>▪ System Integrator</li> <li>▪ Consultant</li> <li>▪ Service Provider (Pl. specify details)</li> <li>▪ Software Development</li> <li>▪ Total Solution provider (Design, Supply , Integration, O&amp;M)</li> </ul>	

## **WEBEL TECHNOLOGY LIMITED**

	▪ IT Company	
14	Number of Offices in district head quarters in West Bengal	
15	Is your organization has ISO 9001:2008 certificates?	
16	List the major clients with whom your organization has been / is currently associated.	
17	Have you in any capacity not completed any work awarded to you? (If so, give the name of project and reason for not completing the work)	
18	Have you ever been denied tendering facilities by any Government / Department / Public sector Undertaking? (Give details)	

Authorized Signatory (Signature In full): \_\_\_\_\_

Name and title of Signatory: \_\_\_\_\_

Company Rubber Stamp: \_\_\_\_\_

# WEBEL TECHNOLOGY LIMITED

## SECTION – M

### MANUFACTURER’S AUTHORIZATION FORM

Date:

To  
**Webel Technology limited**  
**Plot-5, Block-BP, Sector-V**  
**Salt Lake**  
**Kolkata-700 091**

Ref: Tender No.: WTL/HC/CCTV/17-18/048 dated 29/03/2018

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.

We assure you that in the event of \_\_\_\_\_, not being able to fulfill its obligation as our Service Provider in respect of our standard Warranty Terms we would continue to meet our Warranty Terms 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 two years after three years warranty.

We also confirm that the material will be delivered within 4-6 weeks from the date of placement of confirmed order.

Name \_\_\_\_\_ In the capacity of \_\_\_\_\_

Signed \_\_\_\_\_

Duly authorized to sign the authorization for and on behalf of \_\_\_\_\_

Dated on \_\_\_\_\_ day of \_\_\_\_\_ 2018

**Note:** This letter of authority must be on the letterhead of the Manufacturer and duly signed by an authorized signatory.

# WEBEL TECHNOLOGY LIMITED

## SECTION – N

### FORMAT FOR PRE-BID MEETING QUERY

(Tender No. WTL/HC/CCTV/17-18/048)

Name of the Bidder: \_\_\_\_\_

Queries

Sl. No.	Section No.	Clause No.	Page No.	Queries

**Note:** The filled form to be submitted in XLS & PDF Format. There is a cut off date for receiving of queries before Pre Bid Meeting. Queries received after the cutoff period will not be accepted. The Purchaser reserves the right to respond all queries over e-mail.

Authorized Signatory (Signature In full): \_\_\_\_\_

Name and title of Signatory: \_\_\_\_\_

Company Rubber Stamp: \_\_\_\_\_

# WEBEL TECHNOLOGY LIMITED

## SECTION - O

### LIST OF CLIENTS OF SIMILAR ORDERS

(Tender No. WTL/HC/CCTV/17-18/048)

Sl. No.	Name of the Client	Address	Contact Person	Designation	Contact Numbers

Authorized Signatory (Signature In full): \_\_\_\_\_

Name and title of Signatory: \_\_\_\_\_

Company Rubber Stamp: \_\_\_\_\_



# WEBEL TECHNOLOGY LIMITED

## SECTION – P

### PROFORMA 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 WEBEL TECHNOLOGY LIMITED, a Government of West Bengal Undertaking incorporated under the Companies Act, 1956 having its Registered office at Webel Bhavan, Block EP&GP, Sector V, Kolkata-700 091 (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 fulfillment 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 filed 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.

## **WEBEL TECHNOLOGY LIMITED**

(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)

# **WEBEL TECHNOLOGY LIMITED**

## **INSTRUCTIONS FOR FURNISHING BANK GUARANTEE**

1. Bank Guarantee (B.G.) for Advance payment, Mobilization Advance, 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 WTL 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 Bidder are requested to mention the Purchase Order / Contract / Work Order reference along with the B.G. No. For making any future queries to WTL.

**WEBEL TECHNOLOGY LIMITED**

**SECTION - Q**

**NIT DECLARATION**

(Bidders are requested to furnish the Format given in this section, filling the entire Blank and to be submitted on Bidder’s Letter Head)

To  
**Webel Technology Limited**  
**Plot – 5, Block – BP, Sector -**  
**V, Salt Lake City,**  
**Kolkata – 700091.**

**Sub: Delivery & Installation of Closed Circuit Television (CCTV) system at district courts of Burdwan, Darjeeling, Howrah, Alipore & North 24 Parganas under High Court, Kolkata.**

Dear Sir,

We the undersigned bidder/(s) declare that we have read and examined in details the specifications and other documents of the subject tender no. WTL/HC/CCTV/17-18/048 dated 29.03.18. Delivery & Installation of Closed Circuit Television (CCTV) system at district courts of Burdwan, Darjeeling, Howrah, Alipore & North 24 Parganas under High Court, Kolkata published by Webel Technology Limited in e-Tender website.

We further declare that we have agreed and accepted all the clauses / sub-clauses / formats / terms & conditions other requirements related to the said tender and we will abide by the same as mentioned in the tender document while participating and executing the said tender.

Thanking you, we remain

Yours faithfully

.....  
Signature

.....  
Name in full

.....  
Designation

.....  
Company Stamp

Dated, this .....day of .....2018



# WEBEL TECHNOLOGY LIMITED

## SECTION - S

### SUPPORT SERVICE CENTER & MANPOWER DETAILS OF OEM AT KOLKATA

(Tender No. WTL/HC/CCTV/17-18/048)

<b>Sl. No.</b>	<b>Support Service Centre Address</b>	<b>Name of Support Personnel</b>	<b>Contact Number</b>

Authorized Signatory (Signature In full): \_\_\_\_\_

Name and title of Signatory: \_\_\_\_\_

Company Rubber Stamp: \_\_\_\_\_