

## West Bengal Electronics Industry Development Corporation Limited

Registered Office  
Webel Bhavan, Block - EP & GP, Sector - V Bidhannagar, Salt Lake Kolkata 700091  
Phone: 9133-2339-2228/226/327/316 'Fax: 9133-2357-1739/1708 email: contact@webel-india.com

### **NOTICE INVITING OPEN TENDER**

**Notice Inviting e-Tender No. WEBEL/EOT/COM/22-23/00081 Dated: 31-01-23**

**For:** SELECTION OF VENDOR(S) FOR INSTALLATION OF IP BASED CCTV CAMERAS AT SUNDARBAN POLICE DISTRICT.

The G.M (COM) on behalf of WEST BENGAL ELECTRONICS INDUSTRY DEVELOPMENT CORPORATION LIMITED invites Tender for the work detailed in table bellow:- (Submission of Bid Through Online Only)

Brief Description of Work	Tender Document Money (Rs) [Non refundable]	Earnest Money Deposit (EMD) (Rs) [Refundable]	Last Date and Time of Bid Submission (Online)	TECHNICAL Bid Opening Date and Time (Online)
Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.	Rs.2,000/-	Rs. 100,000/-	21 February 2023 12:00 PM	23 February 2023 3:00 PM
<b>BID Opening Venue</b>	<b>WEST BENGAL ELECTRONICS INDUSTRY DEVELOPMENT CORPORATION LIMITED Webel Bhavan, Block - EP &amp; GP, Sector - V Bidhannagar, Salt Lake Kolkata 700091</b>			

For Commercial Queries, Contact: Mr. Pratul Show, G.M (COM) E-Mail: pratul.show@webel-india.com

For Technical Queries, Contact: Suman Moitra, GM (GOVT. SALES) E-Mail: suman.moitra@webel-india.com

## **DATE & TIME SCHEDULE**

<b>Activity / Event Description</b>	<b>Date</b>	<b>Time</b>
Last Query Submission	08 February 2023	5:00 PM
Pre Bid Conference	09 February 2023	12:00 PM
Publishing Last Corrigenda (if any)	13 February 2023	3:00 PM
Submission of Bid(s)	21 February 2023	12:00 PM
TECHNICAL Opening	23 February 2023	3:00 PM
PRICE Opening	27 February 2023	3:00 PM

# NOTICE INVITING TENDER

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**1 . Technical Bid submission with digitally signed**

The TECHNICAL BID is to be submitted duly digitally signed in the website [https //wbtenders.gov.in](https://wbtenders.gov.in)

**2 . Financial Bid submission with digitally signed**

The FINANCIAL BID is to be submitted duly digitally signed in the website [https //wbtenders.gov.in](https://wbtenders.gov.in)

**3 . Price Bid/Financial Offer only if technical bid is qualified**

The price bid / financial offer of the tenderer / bidder will be considered only if the technical bid of the tenderer is found qualified by the Tender Evaluation Committee (TEC) of WBEIDC. The decision of the TEC will be final and absolute in this respect.

# **SECTION A**

## **ELIGIBILITY CRITERIA**

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**1 . System Integrator**

The Bidder/ASP/OEM should be a System Integrator.

**Statutory**

**2 . Experience on the related job area**

The bidder should have executed 1 single order of similar nature of jobs, particularly in CCTV SURVEILLANCE SYSTEMS of Rs.13,500,000.00 each or more at any or The bidder should have executed 2 single order of similar nature of jobs, particularly in CCTV SURVEILLANCE SYSTEMS of Rs.7,000,000.00 each or more at any or The bidder should have executed 3 single order of similar nature of jobs, particularly in CCTV SURVEILLANCE SYSTEMS of Rs.4,500,000.00 each or more at any Govt. Department / Quasi Govt. Dept / PSU / Board / Council/ Large corporate or similar organization in last 3 financial years. Govt. Department / Quasi Govt. Dept / PSU / Board / Council or similar organization in last 3 financial years. Work Order copies along with job completion certificate from the customer duly self-attested are to be submitted. for verification, without which the bid will be treated as non responsive and summarily rejected.

**Statutory**

**3 . Authorisation from OEMs**

Bidders with tender specific authorization(s) from OEM(s), strictly in our format given in ANNEXURE-MAF in this tender document for all the items (EXCEPT CABLES), are only eligible to quote. Such tender specific authorization(s) must authorize the bidders for supply, installation and comprehensive maintenance during the Warranty period. OEM(s) must accept their responsibility of supply, installation and comprehensive maintenance of services during warranty period as per ANNEXURE MAF.

**Statutory**

**4 . Warranty of products**

All products must be quoted with 3 YEARS ONSITE COMPREHENSIVE manufacturer's warranty. All LAN connectivity (CAT6/OFC) to be maintained for 3 years.

**Statutory**

**5 . Unpriced Bill of Quantities**

Un-priced B.O.Q is to be submitted in company letterhead mentioning the name, make and model no. of all the items.

**Statutory**

**6 . Minimum Annual Turnover for the last financial year**

Turnover of the last Financial Year (2021 - 2022) should be Rs.40,000,000.00 or above (Copy of audited Balance Sheet & P/L A/c duly certified by CA is required as proof).

**Statutory**

**7 . Aggregate Annual Turnover**

Aggregate of Turnover of last 3 Financial Years (01-04-19 - 31-03-22) should be Rs.120,000,000.00 or above (Copy of audited Balance Sheet & P/L A/c duly certified by CA is required as proof).

**Statutory**

**8 . Company Profile & Article of Association**

The Bidder must submit detail profile of the company and Articles of Association in the specified area of the job mentioned in this tender.

**Statutory**

**9 . Incorporation certificate**

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

**Statutory**

**10 . No Consortium is allowed**

The Bids shall be submitted by only the Bidder; no consortium is allowed in this Bid. Declaration in this regard needs to be submitted.

Statutory

**11 . NO PART BID ALLOWED**

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

Statutory

**12 . Statutory Documents-PAN & IT Returns**

Copies of valid PAN along with I-T return documents, for Financial Year 2019 2020, 2020-2021, 2021-2022 are to be enclosed with the bid.

Statutory

**13 . Trade License**

Copy of valid Trade License is to be enclosed with the bid.

Statutory

**14 . Locations of Service Centres**

The bidder must have at least 1 registered service center for IT in KOLKATA and service centers in at least 1 locations in KOLKATA Supporting documents for existence of Service Centre(s) has to be attached with the tender document.

Statutory

**15 . Details of Office Locations**

The Bidder must have office(s) in KOLKATA. (Copy of Trade License and contact details of the office(s), at the specified locations to be submitted along with the bid).

Statutory

**16 . Banned by Govt. or like organizations**

The bidder shall be required to give a declaration in their letter head that they have not been banned by any Government Agencies / Govt. Department / Quasi Govt. Dept / PSU / Board / Council or similar organization. If any Government Agencies / Govt. Department / Quasi Govt. Dept / PSU / Board Council or similar organization has banned the bidder and later on lifted the ban, the fact must be clearly stated.

Statutory

**17 . Minimum number of years of existence**

The bidding firm must be in existence for 3 years or more. (Documentary evidence has to be provided along with the bid)

Statutory

## **SECTION B**

### **INSTRUCTIONS TO BIDDERS**

#### **General for e-Tender**

**1 . 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://etender.wb.nic.in> . The Bidder is to click on the link for e-Tendering site as given on the web portal.

**2 . 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 in Clause A.1. above. DSC is given as a USB e-Token.

**3 . Search and Download**

The Bidder can search & download N.I.T. & Tender Document(s) electronically from computer once he logs on to the website mentioned in Clause A.1. using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

**4 . Exemption under NSIC**

Bidders who are registered with NSIC, UNDER SINGLE POINT REGISTRATION SCHEME for the TENDERED ITEMS are exempt payment of bid security and Tender Fees up to the amount equal to their monetary limit. A proof regarding current registration with NSIC for the TENDERED ITEMS will have to be attached and documented through e filling, otherwise the Bid will be treated as cancelled. In case of bidders having monetary limit as "NO LIMIT", the exemption will be limited to Rs.50,00,000/- only as per existing policy of WBEIDC Ltd.

**5 . Submission of Tenders**

Tenders are to be submitted through online to the website stated in Clause A (i). in two folders at a time for each work, one in Technical 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).

#### **eTender Tender Evaluation Committee**

**1 . Definition of Tender Evaluation Committee**

Tender Evaluation Committee constituted as per Order, Department of IT, Government of West Bengal will function as Evaluation Committee for selection of technically qualified bidders.

**2 . Opening & Evaluation of Tender**

If any Bidder is exempted from payment of EMD, copy of relevant Government Order needs to be furnished.

**3 . Opening of Technical Proposal**

Technical proposals will be opened by the WBEIDC Tender Committee electronically from the website using their Digital Signature Certificate (DSC).

**4 . General Procedure**

- (1) Cover (folder) for Statutory Documents (Ref. Sl. No. A.(v).(a)) will be opened first and if found in order, cover (folder) for Non-Statutory Documents (Ref. Sl. No. A.5.(b).) will be opened. If there is any deficiency in the Statutory Documents the bid will be treated as non-responsive and Tender Committee will have the right to decide accordingly.
- (2) Decrypted (transformed into readable formats) documents of the non statutory cover will be downloaded & handed over to the Tender Evaluation Committee.
- (3) Summary list of technically qualified tenderers will be uploaded online.
- (4) Pursuant to scrutiny & decision of the Tender Evaluation Committee the summary list of eligible tenderers & the serial number of work for which their proposal will be considered will be uploaded in the web portals.

(5) During evaluation the committee may summon of the tenderers & seek clarification / information or additional documents or original hard copy of any of the documents already submitted & if these are not produced within the stipulated time frame, their proposals will be liable for rejection.

(6) Intending tenderers may remain present if they so desire.

### e-Tender Financial Proposal

#### 1. Quoting rate in Price Bid

The financial proposal should contain all items mentioned in the Price Bid. The Bidder is to quote the rate online through computer in the space marked for quoting rate in the Price Bid.

#### 2. Digital Signature

Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the Bidder. Financial capacity of a bidder will be judged on the basis of information furnished.

#### 3. Penalty for suppression / distortion of facts

If any tenderer fails to produce the original hard copies of the documents like Completion Certificates and any other documents on demand of the Tender Evaluation Committee within a specified time frame or if any deviation is detected in the hard copies from the uploaded soft copies, it may be treated as submission of false documents by the tenderer and action may be referred to the appropriate authority for prosecution as per relevant IT Act.

#### 4. Rejection of Bid

WBEIDCL reserves the right to accept or reject any Bid and to cancel the Bidding processes and reject all Bids at any time prior to the award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for Employer's action.

#### 5. Award of Contract

The Bidder whose Bid has been accepted will be notified by the Tender Inviting Accepting Authority through acceptance letter / Letter of Acceptance. The notification of award will constitute the formation of the Contract. All the tender documents including N.I.T. & B.O.Q. will be the part of the contract documents. After receipt of Letter of Intent, the successful bidder shall have to submit a PBG from a scheduled bank amounting to 3% of LOI value ( format attached with this tender document).

### Additional Instructions

#### 1. Additional Instruction

THE BIDDERS ARE REQUESTED TO SUBMIT THE BANK DETAILS ALONG WITH THE BID.

# SECTION C

## GENERAL TERMS & CONDITIONS

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### GENERAL TERMS AND CONDITIONS

**1 . Awarding of Contract**

WBEIDC Ltd will award the contract to the successful bidder whose bid has been valued as per Price and Other criteria . WBEIDC reserves the right not to accept the Lowest Price bid with out assigning any reason what so ever and the bidder will not challenge such decision in any forum what so ever WBEIDC also reserves the right to split the order and / or drop any line item as per direction of the end customer. The successful bidder will have to give security deposit of 3% of total value of the LOI in the form of BANK GURANTEE for a period of 60 days+ the maximum warranty period among the items quoted. After receiving the PBG, firm P.O will be issued.

**2 . Amendment of Invitation**

At any time 1 days prior to the deadline for submission of proposals, WBEIDC reserves the right to add / modify / delete any portion of this document by issuance of a Corrigendum, which would be published on the website and will also be made available to all the Bidders who have been issued the tender document. The Corrigendum shall be binding on all bidders and will form part of the bid documents (Techno Commercial as well as Price Bid).

**3 . Amendment of Proposals**

In order to afford prospective Bidder reasonable time to make amendment in their proposals, WBEIDC may, at its discretion, extend the deadline for the submission of proposals. However, no such request in this regard shall be binding on WBEIDC.

**4 . Assignments**

Assignment of the job to third party is not allowed without the consent of WBEIDC Ltd.

**5 . PBG SUBMISSION AFTER LOI**

You are requested to convey your acceptance of this Letter of Intent and to submit the desired information at an early date and submit the required Bank Guarantee in the attached prescribed format within a period of 14 days from the date of placement of this Letter of Intent, failing which this Letter of Intent is likely to be treated as cancelled.

**6 . Rejection of BID**

Any deviation from the given specification and make, will be treated as rejected.

**7 . 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.

**8 . Date & Time validity of the quotation**

Any quotation submitted later than the date and time mentioned above will not be accepted

**9 . Discrepancies and Adjustment thereof**

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, the unit rate shall be regarded as firm. Discrepancy in totaling or carry forward in the amount quoted by the bidder shall be corrected.

**10 . Disputes and Arbitrations**

In case of any dispute or differences, breach and violation relating to the terms of this agreement, the said dispute or difference shall be referred to the sole arbitration of Managing Director, WBEIDC Ltd. or any other person appointed by him. The award of the arbitrator shall be final and binding on both the parties. In the event of such arbitrator to whom the matter is originally referred to vacates his office on resignation or otherwise or refuses to do works or neglecting his work or being unable to act as arbitrator for any reason whatsoever, the Managing Director shall appoint another person to act as arbitrator in the place of outgoing arbitrator and the person so appointed shall be entitled



to proceed further with the reference from the stage at which it was left by the predecessor. The Contractor will have no objection in any such appointment that arbitrator so appointed is employee of WBEIDC Ltd. The adjudication of such arbitrator shall be governed by the provision of the Arbitration and Conciliation Act, 1996, or any statutory modification or re-enactment thereof or any rules made thereof. The arbitration shall be held in Kolkata only.

#### 11 . GTC-EMD-ONLINE PAYMENT

//The bidder shall pay an EMD of Rs. 100,000 through Net banking or through RTGS/NEFT through the <https://wbtenders.gov.in> //portal as per G.O 3975-F(Y) dated 28th July, 2016 issued by Finance department Govt. of West Bengal. //For detail payment procedure & guideline on the same bidders are advised to follow the same order. //You may find the GO by clicking the link <https://bit.ly/2zZ4i6e>

#### 12 . Force Majeure Condition

If the execution of the contract/supply order is delayed beyond the period stipulated in the supply order as result of outbreak of hostilities, declaration of an embargo or blockade of road, fire, flood or any such act of nature, then WBEIDC LTD may allow such additional time by extending the project execution timeframe as considered to be justified by the circumstances of the case and its decision will be final. If additional time is granted by the WBEIDC LTD, the supply order shall be read and understood as if it had contained from its inception the execution date as extended.

#### 13 . Inclusion of freight & insurance

Price quoted should be inclusive of freight & insurance upto the delivery locations.

#### 14 . Formats and Signing of Proposals

The original proposal shall be neatly typed and shall be signed by an authorized signatory / signatories on behalf of the Bidder. The authorization shall be provided by written Power of Attorney accompanying the proposal. The person or persons signing the proposal shall initial all pages of the proposal, except for un-amended printed literature. 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.

#### 15 . Governing Laws

This Tender Document and the contract shall be governed by and interpreted in accordance with Laws in force in India. The courts at Kolkata shall have exclusive jurisdiction in all matters arising under the contract.

#### 16 . Insertion of Webel's GST in Vendor invoice

All bills/ invoices must be raised / submitted with proper GSTIN No. of WBEIDC Ltd (GSTIN No.- 19AAACW2411Q1Z1 ) for releasing payment.

#### 17 . Late Proposals

Any proposal received by WBEIDC after the deadline for submission of proposals, as referred above shall not be accepted.

#### 18 . Language of Proposal & Correspondence

The proposal submitted by the Bidder should be 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 & WBEIDC will be in English language only. A duly signed formal copy must subsequently confirm the correspondence by Fax / e-mail.

#### 19 . Non escalation of Price

The price offers shall remain firm within the currency of contract and no escalation of price will be allowed.

#### 20 . Non-eligibility of bid by Webel Group Company

No Webel group company allowed to bid in WBEIDC tenders, and bids will be summarily disqualified if received from any WEBEL group company.

#### 21 . Availability of PAN

Any quotation submitted without PAN of the vendor will be summarily rejected.

**22 . Proposal Currency**

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

**23 . Cancellation of PO**

WBEIDC Ltd. reserves the right to cancel Purchase Order if the agreed delivery schedule is not adhered to by the supplier. Any loss arising out of such delay in the supply of the equipment / service, shall be on the supplier account.

**24 . Period of Validity of Proposals**

The price offers shall remain firm within the currency of contract and no escalation of price will be allowed. The quoted offer and / or rate must be valid for a minimum period of 180 Days from the date of opening of the tender. The tender inviting authority reserves the right for seeking extension of validity of offered rates from the successful bidder. Acceptance of such request during actual offer is however optional to the bidder. The price validity will remain unaltered irrespective of any reason including foreign exchange rate variation. Variation in statutory rate levied by Government will however be reflected for both reduction and escalation.

**25 . Whom to report**

Reporting: You have to report to MR. SUMAN MOITRA,GM(BD) for TECHNICAL purposes.

**26 . Detail Specification**

SCOPE OF WORK & DETAIL TECHNICAL SPECIFICATION ATTACHED AS ANNEXURE-I.

**27 . Deduction of Tax at Source**

Deduction of all statutory and necessary Tax from each bill will be made as per Government Rules prevailing at the time of payment. The Company will issue necessary tax deduction certificate in due course of time.

**28 . Additional Terms & Conditions**

AT THE TIME ACCEPTING LOI, VENDOR IS ADVISED TO CHECK THE GST PERCENTAGE MENTIONED IN THE LOI. IN CASE OF ANY CHANGE BIDDER MUST INFORM GM (COMMERCIAL) IN WRITING PRIOR TO ISSUE OF THE PURCHASE ONCE PURCHASE ORDER ISSUED NO SUBSEQUENT REQUEST FOR CHANGE IN GST PERCENTAGE WILL BE ENTERTAIN

# SECTION D

## SPECIAL TERMS & CONDITIONS

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### SPECIAL TERMS AND CONDITIONS

**1. Consignee Details**

Consignee Details: OFFICE OF THE SUPERINTENDENT OF POLICE SUNDARBAN POLICE DISTRICT

**2. Delivery time period**

ALL ITEMS must be delivered and installed within 4 WEEKS from the date of issuance of PO.

**3. Delivery Locations**

Delivery/Installation location:

AS DIRECTED BY OFFICE OF THE SUPERINTENDENT OF POLICE SUNDARBAN POLICE DISTRICT  
LOT NO. 8, KAKDWIP - 743347, SOUTH 24 PARGANAS.

**4. Taxes all inclusive**

Price will be all inclusive including tax, installation, freight, insurance & any other charges. Tax portion should be mentioned separately.

**5. Liquidated Damage**

As per the job 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 Vendor(s) for sum equivalent to 1.00% of the contract value for each week or part thereof, subject to a ceiling of 5.00% of the contract value (including all taxes & duties and other charges). In the event of LD exceeds 5.00% of the order value, WBEIDC reserves the right to terminate the contract and WBEIDC will get the job completed by any other competent party. The difference of cost incurred by WBEIDC will be recovered from the earnest money deposited / PBG / Invoice submitted by the vendor (as applicable).

**6. Payment Authority**

Payment sanctioning authority: MR.SUMAN MOITRA,GM(BD)

**7. Payment Terms**

Payment will be made on submission of bills along with the receipted Challan & successful installation certificate from the END CUSTOMER  
Payment will be released within 30 days after receiving payment from the end customer.

**8. Security Deposit**

Successful bidder will have to submit a performance bank guarantee within 14 DAYS of issuance of LOI, amounting 3% total ordered value in the format given in the tender document for a validity period of 60 DAYS more than the warranty period (3 YEARS from the date of final acceptance of the end customer) of the quoted items.

**9. Warrants Support - Period**

The equipment along with the solution supplied will be warranted for 36 MONTHS from the date of ACCEPTANCE of the system whole or part. Service support for the entire warranty period will be ONSITE and COMPREHENSIVE and free of cost for the entire warranty period.

# BOQ, TECHNICAL SPECIFICATIONS & DELIVERY LOCATIONS

SL. No.	Description / Specification	Qty	UOM	Delivery Location
1	L2 smart Managed Switch having 8x 10/100T PoE Ports and 2x 1G SFP slots, Switch PoE Power Budget	58	Nos.	
2	1000Mbps Single Mode SFP1000Base-LX Single-Mode, 10KM SFP Transceiver	12	Nos.	
3	4MP IP Bullet Camera 50 IR MTR IR, POE, with motorized zoom 6mm-12mm	178	Nos.	
4	6 Core O.F.C. Cable 06F Outdoor - Armored Unitube SM - HDPE Sheath	2,000	METERS	
5	2 Mtr LC type Fiber Patch Chord	12	Nos.	
6	CAT6 UTP 23AWG Solid:305M(Outdoor)	32	METERS	
7	CAT6 1M Patch Cord	100	Nos.	
8	Outdoor Iron DP Box/Rack IP 65C Size 6 U with Tray	43	Nos.	
9	Fiber Joint Encloser	12	Nos.	
10	GI Clamp with Water Proof Camera Mount Iron Box (Size 4x4 Inch)	178	Nos.	
11	6 Mtr GI Pole for Camera Mounting	57	Nos.	
12	Wall Mount 6U x 550 W x 450 D	20	Nos.	
13	1 KVA Off Line UPS	10	Nos.	
14	600 VA Off Line UPS	51	Nos.	
15	RJ-45	404	Nos.	
16	10 MM GI Wire	4,270	METERS	

SL. No.	Description / Specification	Qty	UOM	Delivery Location
17	8 CH NVR with 2 nos of SATA (Support 3G-4G Dongle)	55	Nos.	
18	6 TB Internal HDD	57	Nos.	
19	2 TB External HDD	14	PACKS	
20	32" LED Monitor with 5 Mtr HDMI	3	Nos.	
21	24" LED Monitor with 5 Mtr HDMI	20	Nos.	
22	6 AMP MCB with 3 nos. Power Socket	57	Nos.	
23	3 core 1.5 Sq. mm outdoor cable	4,205	METERS	
24	Fiber Cable Laying Overhead	2,000	METERS	
25	IP Bullet Camera Fixing with GI Clamp & configuration	178	NUMBER	
26	Outdoor Iron DP Box Fixing Road with Cementing Base	43	NUMBER	
27	6 U Loaded Rack Fixing	20	NUMBER	
28	CAT-6 Outdoor UTP Cable laying with GI Ware	9,700	METERS	
29	Fiber Joint Enclosure Fixing & Fiber Splicing	12	Nos.	
30	3 Core 1.5 Sq.mm Armoured Power Cable Laying overhead	4,200	METERS	
31	8 Port Switch Fixing & Installation	58	Nos.	
32	8 Port NVR Configuration & Fixing	55	Nos.	

SL. No.	Description / Specification	Qty	UOM	Delivery Location
33	32" Monitor Fixing in Wall	3	Nos.	
34	6 Mtr. Pole Fixing & Grounding	57	Nos.	
35	Project Management Charges, Otdr Testing, One years Support, Training, Demonstration per Police	4	NUMBER	

### Payment Terms Details

Payment Terms Code	Description
B2B-30D	Payments term will be back to back and will be paid after 30 days of payment received from customer.

# COMPLIANCE SHEET

SL. No.	Description / Specification	Qty	UOM	Offered Specification	Compliant (Yes/No)	Deviation Details (if any)
1	L2 smart Managed Switch having 8x 10/100T PoE Ports and 2x 1G SFP slots, Switch PoE Power Budget	58	Nos.			
2	1000Mbps Single Mode SFP1000Base-LX Single-Mode, 10KM SFP Transceiver	12	Nos.			
3	4MP IP Bullet Camera 50 IR MTR IR, POE, with motorized zoom 6mm-12mm	178	Nos.			
4	6 Core O.F.C. Cable 06F Outdoor - Armored Unitube SM - HDPE Sheath	2,000	METERS			
5	2 Mtr LC type Fiber Patch Cord	12	Nos.			
6	CAT6 UTP 23AWG Solid:305M(Outdoor)	32	METERS			
7	CAT6 1M Patch Cord	100	Nos.			
8	Outdoor Iron DP Box/Rack IP 65C Size 6 U with Tray	43	Nos.			
9	Fiber Joint Encloser	12	Nos.			
10	GI Clamp with Water Proof Camera Mount Iron Box (Size 4x4 Inch)	178	Nos.			
11	6 Mtr GI Pole for Camera Mounting	57	Nos.			
12	Wall Mount 6U x 550 W x 450 D	20	Nos.			
13	1 KVA Off Line UPS	10	Nos.			
14	600 VA Off Line UPS	51	Nos.			
15	RJ-45	404	Nos.			
16	10 MM GI Wire	4,270	METERS			

SL. No.	Description / Specification	Qty	UOM	Offered Specification	Compliant (Yes/No)	Deviation Details (if any)
17	8 CH NVR with 2 nos of SATA (Support 3G-4G Dongle)	55	Nos.			
18	6 TB Internal HDD	57	Nos.			
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20	32" LED Monitor with 5 Mtr HDMI	3	Nos.			
21	24" LED Monitor with 5 Mtr HDMI	20	Nos.			
22	6 AMP MCB with 3 nos. Power Socket	57	Nos.			
23	3 core 1.5 Sq. mm outdoor cable	4,205	METERS			
24	Fiber Cable Laying Overhead	2,000	METERS			
25	IP Bullet Camera Fixing with GI Clamp & configuration	178	NUMBE			
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27	6 U Loaded Rack Fixing	20	NUMBE			
28	CAT-6 Outdoor UTP Cable laying with GI Ware	9,700	METERS			
29	Fiber Joint Enclosure Fixing & Fiber Splicing	12	Nos.			
30	3 Core 1.5 Sq.mm Armoured Power Cable Laying overhead	4,200	METERS			
31	8 Port Switch Fixing & Installation	58	Nos.			
32	8 Port NVR Configuration & Fixing	55	Nos.			



SL. No.	Description / Specification	Qty	UOM	Offered Specification	Compliant (Yes/No)	Deviation Details (if any)
33	32" Monitor Fixing in Wall	3	Nos.			
34	6 Mtr. Pole Fixing & Grounding	57	Nos.			
35	Project Management Charges, Otdr Testing, One years Support, Training, Demonstration per Police	4	NUMBE			

## ANNEX - 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)

Ref No : ( Mandatory)

Date : ( Mandatory)

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

Dear Sir,

Having examined the Bid documents we, the undersigned, offer to undertake the job of "<Tender Title>" as per the Tender No. \_\_\_\_\_ dated \_\_\_\_\_.

We agree to abide by this bid for the period of 6 (six) months from the date for fixed for price bid opening and it shall remain binding upon us for acceptance at any time before the expiry of the period.

This bid, together with your written acceptance thereof and your order / notification of award, shall constitute a binding contract between us.

We understand that WBEIDC reserves the right to accept in full / part or reject any or all the bids received or split order within successful bidding without any explanation to bidders and its decision on the subject will be final and binding on Bidder. We also understand that WBEIDC is not bound to accept the L-1 bid for placement of order.

We had given an EMD/BG of Rs. \_\_\_\_\_ (DD/BG No \_\_\_\_\_ dated \_\_\_\_\_ on \_\_\_\_\_) along with the technical document.

We also abide to go through bank Guarantee of 5% of the job value as Performance Bank Guarantee.

Dated, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

Signature

.....  
(In capacity of)  
Duly authorized to sign bid for and on behalf of  
(Name and Address of the Bidder)

(Affix Official Seal)

## ANNEX - BOM & TECHNICAL SPECIFICATIONS

ALL TECHNICAL PARAMETERS OF ITEMS ARE MANDATORY. NO DOWNWARD DEVIATION IS ALLOWED. IN CASE OF ANY DEVIATIONS IN SPECIFICATIONS OF THESE ITEMS, THE BID WILL BE SUMMERILY REJECTED.

The bidder has to attach a technical compliance sheet in the following format:

Sl. No.	Description of Items	Make & Model No.	Qty	Unit	Offered Specification	Remarks
1						

**ANNEX – MAF**  
**(MANUFACTURER'S AUTHORISATION FORM)**

(TO BE SUBMITTED ON OEM LETTERHEAD, SIGNED BY A PERSON COMPETENT AND HAVING THE POWER OF ATTORNEY [Notarized copy to be attached] TO BIND THE PRODUCER) Without this MAF, the bid is liable to be rejected.

Tender No. \_\_\_\_\_

Date: \_\_\_\_\_

Dy. General Manager (Commercial)  
WBEIDC LTD ,  
Block-EP&GP, Webel Bhawan,  
Sector-V ,Salt Lake , Kolkata-700 091.

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.

**[ Note : Please Specify the Product Name & Model No here. ]**

When resold by \_\_\_\_\_ these products are subject to applicable warranty terms of this NIT.

We assure you that in the event of \_\_\_\_\_ not being able to fulfill its obligation as our Sales & Service Provider in respect of this NIT, we would continue to meet our the terms stated in the abovementioned NIT 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 undertake to supply the materials in the event of the non-supply of the materials by \_\_\_\_\_ as per the NIT and assure you the availability of spares for the products for the next two years after the expiry of three years comprehensive on-site warranty.

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

\_\_\_\_\_  
Signature

**Note:** This letter of authority must be on the letterhead of the Manufacturer, must be signed by a person competent and having the power of attorney ( Notarized copy to be attached ) to bind the Producer, and must be included by the Bidder in its bid as specified in the Instructions to Bidders.

## ANNEX – PBG

### PERFORMANCE SECURITY GUARANTEE BOND

1. In consideration of the MD , WBEIDC (hereinafter called "WBEIDC") having agreed to exempt \_\_\_\_\_ (hereinafter called 'the said contractor(s)') from the demand under the terms and conditions of an agreement/Advance Purchase Order No \_\_\_\_\_ dated \_\_\_\_\_ made between \_\_\_\_\_ and \_\_\_\_\_ for the supply of \_\_\_\_\_ (hereinafter called "the said agreement "), of security deposit for the due fulfillment by the said contractor (s) of the terms and conditions contained in the said Agreement, on production of the bank guarantee for \_\_\_\_\_ we, (name of the bank) \_\_\_\_\_ ( hereinafter refer to as "the bank") at the request of \_\_\_\_\_ (contractor(s)) do hereby undertake to pay to the WBEIDC an amount not exceeding \_\_\_\_\_ against any loss or damage caused to or suffered or would be caused to or suffered by WBEIDC by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said Agreement.
2. We (name of the bank) \_\_\_\_\_ do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the WBEIDC by reason of breach by the said contractor(s)' of any of the terms or conditions contained in the said Agreement or by reason of the contractors(s)' failure to perform the said Agreement. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee where the decision of WBEIDC in these counts shall be final and binding on the bank. However, our liability under this guarantee shall be restricted to an amount not exceeding \_\_\_\_\_.
3. We undertake to pay to the WBEIDC any money so demanded notwithstanding any dispute or disputes raised by the contractor(s)/supplier(s) in any suit or proceeding pending before any court or tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the contractor(s)/supplier(s) shall have no claim against us for making such payment.
4. We( name of the bank) \_\_\_\_\_ 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 agreement and that it shall continue to be enforceable till all the dues of the WBEIDC under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till \_\_\_\_\_ (office/Department) WBEIDC certifies that the terms and conditions of the said Agreement have been fully or properly carried out by the said contractor(s) and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the expiry of TWO/TWO AND HALF/THREE YEARS (as specified in the tender no.....) from the date hereof, we shall be discharged from all liabilities under this guarantee thereafter.
5. We (name of the bank) \_\_\_\_\_ further agree with the WBEIDC that the WBEIDC shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the WBEIDC against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act or omission on the part of the WBEIDC or any indulgence by the WBEIDC to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s)/supplier(s).

7. We (name of the bank) \_\_\_\_\_ lastly undertake not to revoke this guarantee during its currency except with the previous consent of the WBEIDC in writing.

Dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

for \_\_\_\_\_  
(Indicate the name of bank)

**ANNEX - UFA**

**UNDERTAKING FOR AUTHENTICITY FOR ----- (items name)**

(TO BE SUBMITTED ON LETTERHEAD BY THE SUCCESSFULL BIDDER)

Sub: - < \_\_\_\_\_ Tender Title \_\_\_\_\_ >

Ref: - 1. Your Purchase Order No. \_\_\_\_\_ dated \_\_\_\_\_  
2. Our Invoice No. / Quotation No. \_\_\_\_\_ dated \_\_\_\_\_

With reference to the Servers etc. being supplied / quoted to you vide our Invoice No. / Quotation No. / Order No. cited above, we hereby undertake that all the components / parts / assembly / software used in the Servers under the above like Hard disk, Monitors, Memory etc. shall be original new components / parts / assembly / software only, from respective OEMs of the products and that no refurbished / duplicate / second hand components / parts / assembly / software are being used or shall be used.

We also undertake that in respect of licensed operating system if asked for by you in the purchase order, the same shall be supplied along with the authorized license certificate (e.g. Product keys on certification of Authenticity in case of Microsoft Windows Operating System) and also that it shall be sourced from the authorize source (e.g. Authorized Microsoft Channel in case of Microsoft Operating System).

Should you require, we hereby undertake to produce the certificate from our OEM supplier in support of above undertaking at the time of delivery / installation. It will be our responsibility to produce such letters from our OEM supplier's at the time of delivery.

In case of default and our inability to comply with the above at the time of delivery or during installation, for the IT hardware / software already billed, we agree to take back the desktops without demur, if already supplied and return the money if any paid to us by you in this regard.

We (system OEM name) also take full responsibility of full parts & service SLA as per the content even if there is no defect by our authorized service center / Reseller / SI etc.

Authorized Signatory with seal

Name : \_\_\_\_\_  
Designation : \_\_\_\_\_  
Place : \_\_\_\_\_  
Date : \_\_\_\_\_

## PRICE BID

The price has to be submitted online only.



**ANNEX – EXP PROF**  
**EXPERIENCE PROFILE**

Name of the Firm: .....

List of projects completed that are similar in nature to the works executed during the last 3 (three) years, as stated above:

Sl. No.	Customer's Name	PO No. and Date	Value in Rs.	Date of Successful Completion of the job	Completion Certificate Date issued by Customer

Note:

- i. Certificate from the Customers to be attached
- ii. Non-disclosure of any information in the Schedule will result in disqualification of the firm

Signature of applicant including title  
and capacity in which application is made.

**ANNEX - SAO**  
**STRUCTURE AND ORGANISATION**

1) Name of Applicant	:	
2) Office Address	:	
Telephone No.	:	
Fax No.	:	
3) Name and Address of Bankers	:	
4) Attach an organization chart showing the structure of the company with names of Key personnel and technical staff with Bio-data.	:	

Note: Application covers Proprietary Firm, Partnership, Limited Company or Corporation.

\_\_\_\_\_  
Signature of applicant including title  
and capacity in which application is made.

## ANNEXURE-I

e-Tender No : WEBEL/EOT/COM/22-23/00081 Date: 31-01-2023

Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.

### 1 Scope of Work:

SI shall be responsible for Procurement, Supply, installation and commissioning, training of the CCTV system as per the tender specification.

#### 1.1 Installation

SI need to Install all supplied components i.e. CCTV, workstation PC, Ethernet switch, Rack & mounting associated network components and required laying of all Passive components & interconnecting cables for monitoring and control functions from the Operator console at all specified Zones.

#### 1.2 Maintenance

L1 Bidder will provide all the spares required for healthy functioning of the equipments during three years warranty period from the date of supply of equipments

#### 1.3 Training

SI to conduct training to End User providing real time monitoring and surveillance of a facility's environment, people and assets recording and storing of events of subsequent investigation, proof of compliance/audit purpose. Training for designated person. Maintenance of OFC network and CCTV Acts as repellent for prospective miscreants.

## ANNEXURE-I

e-Tender No : WEBEL/EOT/COM/22-23/00081 Date: 31-01-2023

Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.

### Pre-Qualification for Manufacturer:

Sr No	Descriptions	Compliance
A	Pre-Qualification for CCTV/ NVR Manufacturer	
1	Original Equipment Manufacturer (OEM) of Camera & Storage, should have Average Annual Financial Turnover not less than Rs.100 Crores. (in India only for CCTV works) for the last three years ending March 2018	
2	CCTV OEM company for Camera/Storage should have its own company registered in India (under Incorporation of Companies Act, 1956/ 2013) since last 15 years. Any representation through a Dealer/ Distributor/ Joint Venture/ consortium/ subsidiary shall not be treated as OEM. This has to be supported by necessary statutory documents	
3	CCTV OEM company should not be technically rejected in any Govt. tender in India for their origin from any land border sharing countries of India.	
4	OEM should have Service Centers in Maharashtra in their own name for last five years. This is to be supported with documentary evidence.	
5	The CCTV OEM should have CMMI Level 5 or above or equivalent certification.	
6	OEM shall enter into agreement/ MoU with System Integrator to support the project for the contract period (i.e. Warranty and AMC period).	
7	The CCTV OEM should have below ISO Certifications for Quality, Environment, Security management and Health & Safety Management system for manufacturing of all types of Cameras & NVR/ DVR. All the CCTV Components (Camera, VMS, NVR, DVR, etc) should be from same OEM for seamless integration and ease of operation. The Bidder/s shall attach the copy of the OEM's ISO Certificate along with the bid. > ISO 9001:2015 > ISO 14001:2015 > ISO 27001:2013 > ISO 45001:2018	
8	Malicious Code Undertaking Letter By OEM	
9	Camera of only those make which have CE FCC BIS and UL certifications shall be eligible for participating in the tender.	
10	The OEM should have cloud for plug & play remote viewing; the Cloud must be hosted in INDIA for protection of public privacy and related data from security threats.	
11	Certificate of Non-Obsolescence:	
	OEM must provide a certificate that the proposed model of CCTV products must not become obsolete within a period of 5 years, in case it gets EOL due to technology advancement then OEM will support with equivalent or higher model. Also, any product which is nearing the End-of-Sale (EoS) must not be proposed in the solution.	

## ANNEXURE-I

e-Tender No : WEBEL/EOT/COM/22-23/00081 Date: 31-01-2023

Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.

12	The OEM of the IP Camera, Storage, NVR/ VMS Software and Network Switches should not be blacklisted or banned by any country or government department globally. The OEM Should not have any cheating or fraud case filed against their company for their respective product line.	
13	The country of origin of CCTV OEM should not have strained trade relation with India. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority [DPIIT OM No.6/18/2019- PPD dated 23.07.2020].	
14	OEM should not be banned/sanctioned upon by ONVIF. OEM must be full member in ONVIF.	

B	Pre-Qualification for Monitor Manufacturer	
Sr No	Descriptions	Compliance
1	OEM should have presence in India for last 10 years	
3	Manufacturing Authorization letter should be attached with tender	
5	OEM should have own service center in West Bengal for last 10 years	
6	OEM should have R & D facilities	
7	OEM should be ISO 9001:14001 Certified (Certificate to be provided during bid submission)	
8	Should not be blacklisted by any Govt/ Semi Govt/ PSU etc.	

C	Pre-Qualification for Switch/ Active Networking Device Manufacturer	
Sr No	Descriptions	Compliance
1	OEM should have presence in India for more than 15 years	
2	OEM should have R & D facility in India	
3	Manufacturing Authorization letter should be attached with tender	
4	Should not be blacklisted by any Govt/ Semi Govt/ PSU etc.	

D	Pre-Qualification for Passive Networking Equipment Manufacturer	
Sr No	Descriptions	Compliance
1	Passive OEM offered must be in India for 10 years. OEM must be have TIA Steering committee member and must be a member in the BICSI organization.	
2	OEM must provide declaration on conformity of all the passive components to the following standards: a) TIA/EIA 568-C.2 ; b) TIA/EIA 568-C.3 ; c) ISO/IEC 11801	
3	OEM should be an ISO9001 and ISO14001 certified for Design, Development, and manufacture of SW and HW solutions for communication networks.	
4	All the cable and accessories are from the same OEM and All the products must have RoHS Compliance	
5	OEM shall have RCDD certified manpower in India for design support and validation	

## ANNEXURE-I

e-Tender No : WEBEL/EOT/COM/22-23/00081 Date: 31-01-2023

Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.

6	The OEM must not be blacklisted or banned by any GOVT. organization in India/globally.	
7	All passive products from single OEM & should have 25 years of channel performance warranty.	

<b>E</b>	<b>Pre-Qualification for UPS Manufacturer</b>	
<b>Sr No</b>	<b>Descriptions</b>	<b>Compliance</b>
1	OEM should have presence in India for more than 15 years	
2	Manufacturing Authorization letter should be attached with tender	
3	OEM should have R & D facilities by DSIR, Govt. Of India	
4	OEM should have own service center in West Bengal for last 25 years and minimum 40 service engineers. Provide detail name & contact number of present each engineer	
5	Toll Free Number for Service Call Login	
6	Should not be blacklisted by any Govt./ Semi Govt./ PSU etc.	
7	UPS OEM should have own Factory premises in India	

## ANNEXURE-I

e-Tender No : WEBEL/EOT/COM/22-23/00081 Date: 31-01-2023

Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.

### Technical Specification

#### Port PoE Switch

#### Port 10/100/1000Mbps L2 Managed PoE Switch

SI No	Feature	Specification
1	Type	Layer-2 8 Port 10/100/1000 Mbps Managed PoE Switch
2	Uplink Port	It should have 2 Nos 10/100/1000Mbps Fiber port 1 x Console port from day 1
3	Supported Standard	Support IEEE802.3af, IEEE802.3at standard
4	Mac address table	It should support minimum 8K MAC address
5	PoE support	It should support PoE & PoE+ in each port from day 1
6	Total PoE Budget	It should have minimum 120 watt PoE Budget
7	Switching Capacity	It should support minimum 20Gbps switching capacity
8	Packet Forwarding Rate	It should support minimum 41.67 Mpps Packet Forwarding Rate
9	Extended Data Transmission	It should transfe data up to 250M @10Mbps or better
10	Data Exchange	Store & Forward method
11	Packet Buffer	4.1 Mbit or better
12	Jumbo Frame	128K Bytes or better
13	PoE Standard	EEE 802.3i, IEEE 802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3az, IEEE802.3af, IEEE802.3at
14	Storage Temperature	-40°C ~70°C, 10%~90% Humidity
15	Construction	Metal
16	Power Input	100~240VAC,50/60HZ
17	Installation	19 inches full metal iron shell and internal power adapter design, suitable for rack installation
18	Certificate	CE, FCC, RoHS
19	Warranty	3 Years Onsite Warranty

## ANNEXURE-I

e-Tender No : WEBEL/EOT/COM/22-23/00081 Date: 31-01-2023

Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.

### Technical Specification

#### CCTV

#### 4 MP Motorized Varifocal Bullet Camera

SI No	Feature	Specification
1	Resolution	Minimum 2688 × 1520 for high definition video quality
2	Image Sensor	The camera should be equipped with a minimum of 1/2.7" CMOS sensor applying progressive scan technology to record more fluid footage and avoid distortion created by moving objects.
3	Lens Range	The camera should be provided with an OEM fitted 2.7~13.5mm Motorized varifocal Lens
4	Viewing Angle	Horizontal: 104°–27° , Vertical: 55°–15° , Diagonal: 124°–31° or better
5	Video Compression	H.265+/H.265/H.264+/H.264/H.264B; MJPEG
6	Frame Rate	The camera should capture images at a frame rate of 25/30fps @ 4MP (2688 × 1520) so as to give a swift video output even in case of fast moving objects.
7	Minimum Illumination	0.005 <u>Lux@F1.5</u> (Color, 30IRE), 0.0005 <u>Lux@F1.5</u> (B/W, 30IRE) 0 Lux (IR on)
8	Starlight Function	Camera should support Starlight function to bring clearer night vision in even low light conditions
9	Privacy Masking	Camera should support up to 4 areas.
10	Optical / Digital Zoom	Camera should support 5X Optical/ 16X Digital Zoom or better
11	NAS Recording	Camera should support direct recording on NAS from 1st day
12	Audio Compression	G.711a/ G.711Mu/ AAC/ G.726
13	Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
14	S/N Ratio	More than 55dB
15	ICR	The camera shall incorporate a physical ICR filter for quality images both during day and night
16	IR Range	The camera should have inbuilt IR and cover distance up to 60 Mtr or above
17	Triple Video Streaming	The camera should output a master and 2 slave stream that are individually configurable. It
18	ROI	The Camera should allow at least 4 sections of the camera view to be streamed separately for
19	Backlight	BLC should allow adjusting the gain of the camera to improve exposure of the subjects that are
20	Wide-Dynamic-Range	The camera should give a WDR range of minimum 120 dB Real WDR (Must be Hardware
21	Noise Reduction	3D-DNR
22	Camera Tampering	The camera shall provide real time tampering protection by means of alerts generated at the
23	Pre/Post Event	The camera should support a least of 3 seconds of pre & post event buffering.
24	Event Notification	Through Relays, E-Mails or FTP
25	Network	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS;
26	Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account
27	Micro SD Slot	Should support upto a maximum of 256GB micro-SD
28	Others	Exposure Control, AGC, White Balance, day/night
29	Video Content Analytics	Motion detection
30		Tripwire
31		Intrusion
32		IP address conflict
33		Scene Change



## ANNEXURE-I

e-Tender No : WEBEL/EOT/COM/22-23/00081 Date: 31-01-2023

Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.

34		Video tampering
35		Crossing line
36		Illegal Access
37		Storage anomaly
38		Network disconnection
39	Network Ethernet	RJ-45 (10/100Base-T)
40	Alarm In/Out	1/1 channel In/Out
41	Audio In/Out	1/1 so as to equip the camera with 2-way audio
42	Network Compatibility	PSIA, CGI
43	Power Source	The network camera shall support industry standard Power over Ethernet (PoE) IEEE 802.3af
44	Power Consumption	Not to exceed 10W
45	Smart Phone	It should support remote monitoring over iPhone, iPad, Android and Windows Phone including
46	Operation	-30 °C to 60 °C / Less than 95% RH
47	Weather Proof	IP67 rated weather proofing standards
48	Vandal Protection	IK10 or better
49	Open Protocol	ONVIF Profile S, G & T required
50	Certifications	BIS, UL,FCC ,CE, RoHS, ISO, ONVIF (All mandatory)
51	Warranty	3 Years Onsite

## ANNEXURE-I

e-Tender No : WEBEL/EOT/COM/22-23/00081 Date: 31-01-2023

Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.

### Technical Specification

#### NVR

#### 8 Channel Network Video Recorder (NVR) with 2 SATA Specification

SI No	Feature	Specification
1	Main Processor	NVR should have Dual-Core or better Embedded Processor
2	Operating System	Embedded LINUX
3	IP Camera Input	08 channels
4	Two-way Talk	1 Channel Input, 1 Channel Output for both way audio communication
5	Display Interface	1 HDMI, 1 VGA output for viewing
6	Display Resolution	HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720 VGA: 1920×1080, 1280×1024, 1280×720
7	Total Bandwidth	Min 160 Mbps bandwidth (80Mbps Incoming / 80Mbps Outgoing bandwidth)
8	Display Split	1/4/8/9
9	Support multiple brands	Should Support Multi-brand network cameras
10	OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
11	Recording Compression	Smart H.265+/H.265/Smart H.264+/H.264
12	Recording Resolution	8Mp, 6Mp, 5Mp, 3Mp, 1080P, 1.3Mp, 720P.
13	User Interface	GUI
14	Motion Detection	MD Zones: 396 (22×18)
15	Video Loss	Should support Video Loss
16	Camera Blank	Should support Camera Blank
17	Smart Phone	It should support remote monitoring over iPhone, iPad, Android and Windows Phone including desktop/PC
18	Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search
19	Backup Mode	USB Device/Network
20	Hard Disk	2 SATA ports with 10TB Surveillance Grade Hard disk support
21	Network Ethernet	1 RJ-45 ports (10/100Mbps)
22	USB	2 USB ports or better
23	Network Function	HTTP/HTTPS, TCP/IP, IPv4/IPv6, RTSP, UDP, NTP, DHCP, DNS, IP Filter, DDNS, RTSP, IP Search, P2P, ONVIF 2.4, SDK, CGI
24	Max. User Access	Should support Min. 120 users
25	Power Supply	DC12V
26	Power Consumption	<5W (without HDD)
27	Working Environment	-10°C~+55°C / 10%~90%RH
28	Open Protocol	Should support ONVIF Profile G, S & T or higher
29	Certification	BIS, UL, FCC, CE, RoHS, ISO, ONVIF (S, G, T) certified (All mandatory)
30	Warranty	3 Years Onsite

## ANNEXURE-I

e-Tender No : WEBEL/EOT/COM/22-23/00081 Date: 31-01-2023

Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.

### PassiveComponents

#### CAT6 U/UTP Patch Cord

Sr. no	Feature	Requirement
1	Type	Cat 6 U/UTP Patch Cords are key components of Cat 6 U/UTP End-to-End Solution and are designed to support data networks for 10/100BASE-T and 1000BASE-T applications. It should be available in 8 different colors.
2	Conductor	24 AWG stranded copper wire
3	Length	1 Mtr. & 2 Meters
4	RJ45 plug and boot material	Clear polycarbonate
5	Outer Sheath	LS0H
6	RJ45 plug dimensions	ISO/IEC 60603-7-4 and FCC 47 Part 68
7	Contact material	0.35mm thick copper alloy
8	MIN operating life	750 insertion cycles
9	Sheath Material	LSZH
10	ROHS/ELV	Compliant

#### CAT6 UTP Cable LSZH

Sr no	Feature	Requirement
1	Type	Category 6 Unshielded Twisted Pair 4 pair cable shall be compliant with ANSI/TIA/EIA-568-B.2-1 Additional Transmission Performance Specifications for 4-pair Category 6 Cabling.
a)	Type	Category 6 UTP cables shall extend between the work area location and its associated telecommunications closet and consist of 4 pair, 23 AWG, UTP.
b)		Supports ultrahigh speed data networks such as Gigabit Ethernet (1000 Base-T and 1000 Base-TX) and beyond.
2	Jacket:	The cable jacket shall be LSZH and LSZH sheath should Complying to: a. Fire rating IEC 60332-1, b. Acid gas IEC 60754-2 c. Smoke density IEC 61034-2
3		Incorporates central spine maintaining pair separation during installation to ensure premium performance after installation.
4	Mechanical Characteristics	Construction: 4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half shall not be accepted. Conductor Solid Copper Conductor Diameter 0.56±0.005mm (23 AWG) Insulator Polyolefin Outer Diameter 6.0±0.4mm Max. Temperature 70°C
5	ROHS/ELV	Compliant
6	ETL Test Report @700 MHz	Cable should have test by ETL / Intertek @700 MHz and test report should be submitted.

## ANNEXURE-I

e-Tender No : WEBEL/EOT/COM/22-23/00081 Date: 31-01-2023

Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.

### Fiber Single Mode, Armoured, Unitube, Gel filled cable

Sr No	Required Specification	
1	Cable Type	6 fiber Single Mode, Armoured, Unitube, Gel filled cable complying to ISO.IEC 11801 - 2nd Edition, type OS2; AS/ACIF S008; AS/NZS 3080,ITU-T REC G 652D, IEC 60793/60794, TIA 568, EIA 455; suitable for use in direct burial, outdoor ducts and backbone cabling.
2	Armour	Corrugated Steel Tape Armoured -Thickness > 0.125mm
3	Water Blocking	Thixotropic Gel (Tube), Petroleum Jelly (Interstices)
4	Attenuation	,@ 1310nm <=0.35 db/Km MAX ,@1550nm <=0.22 db/Km MAX
5	Numerical Aperture	0.14
6	Attenuation Discontinuity	Both Windows <0.10dB
7	Core/Mode-Field (um)	9
8	Clad Diameter (um)	125 + - 1
9	Coat Diameter	245 + - 10
10	Loose tube material	Single PBTP Loose tube filled with water blocking Thixotropic gel
11	Jacket material	UV Stabilized Polyethylene (HDPE)
12	Peripheral Strength Member	Two Steel wires / E-yarns
13	Tensile Strength	1000N
14	Crush Resistance	2000N/10 cm
15	Cable Diameter	9mm
16	Max. Bending Radius	20 X Overall diameter
17	Max. Bending Radius	10 X Overall diameter
18	Cable weight Kg/Km	80 kg/km
19	Operating	.-10 Degree C to +70 Degree C

## ANNEXURE-I

e-Tender No : WEBEL/EOT/COM/22-23/00081 Date: 31-01-2023

Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.

### SC to LC Duplex tuned Fiber Optic Patch Cord 3 Mtr, 9/125 Micron

Sr No	Required Specification	
1	Make and Type	SC to LC Duplex tuned Fiber Optic Patch Cord 3 Mtr, 9/125 Micron
2	Cable Sheath	LSZH
3	Cable Diameter	1.8 mm twin zip
4	Ferrule	Ceramic
5	Buffer	Tight buffered
6	Insertion Loss	MAX .3 db
7	Return Loss	> 45 db
8	Temperature Range	.-10 Degree C to +60 Degree C
9	ROHS	ROHS Compliant

### UPS & Rack

#### 600 VA LI UPS (84 VAH)

S.NO	DESCRIPTION	SPECIFICATION
1	<b>MAKE</b>	Numeric
2	<b>MODEL</b>	600VA LI UPS
	Rating(VA/Watts)	600VA / 360Watts
3	<b>INPUT</b>	1 Phase, 230 VAC
	Input Voltage Range	140V - 300 VAC
	Input Frequency	50Hz
4	<b>OUTPUT</b>	1 Phase, 230 VAC
	Output Volts Range	190V - 253V AC ( Mains Mode )
		230V±10% ( Battery Mode )
	Transfer Time	4ms - 10ms typical
	Output Frequency	50Hz +/-1 Hz ( Battery Mode )
	Output Wave form	Stepped Sinewave
	Inverter Efficiency	> 60 %
5	<b>BATTERY</b>	
	Battery	12 V SMF 7 AH - 1 Nos (inbuilt)
	System Voltage	12 V DC
	Recharge time	8 hrs for 90% charging
6	<b>INDICATION &amp; PROTECTION</b>	
	Front Display	LED
	Indication	AC Mode - Green Light
		Backup Mode - Green flashing
		Fault - Red lighting
	Alarm	Battery Mode - Every 10 Second
		Low Battery - Every Second

## ANNEXURE-I

e-Tender No : WEBEL/EOT/COM/22-23/00081 Date: 31-01-2023

Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.

		Over load - Every 0.5 Second
		Fault - Continuously sounding
	Night guard protection	Required
	Protection Features	Mains Ac Input Low / High, Battery mode Input Low / High, Short circuit trip - Mains / Battery,
7	CONNECTION	
	Input Type	1.2 meter Power Chord
	Output Type	3 Nos - 5 Pin Indian Socket
8	ENVIRONMENTAL	
	Relative Humidity	0-95% without condensation
	Operating Temperature	0 - 40 degC
	Noise Level	< 40 dB at 1 meter distance
9	FEATURES	
		Microprocessor based design for High reliability
		Auto Restart Facility
		Generator Compatibility
		Cold Soft
		Double Boost & Single Buck AVR
10	STANDARDS	
	IS 16242 (PART 1) : 2014	Required
	Performance Test	Required from NTH ( National Test House)
11	Warranty	2Years on UPS & 2Years on Battery from date of supply.
12	Service purpose	UPS OEM should have toll free number facilities for all type service call logging support.
13	Criteria	UPS OEM should have at least own 10 Service Centers (Where Spare & Parts stock available
14		UPS OEM should have 400 CR turnover consecutive last 3 financial Years
		UPS OEM should have own Factory premises in India

### TENDER SPECIFICATION FOR 1000 VA LI UPS (168 VAH)

S.NO	DESCRIPTION	SPECIFICATION
1	<b>MAKE</b>	
2	<b>MODEL</b>	1000 Plus V
	Rating(VA/Watts)	1000VA / 600Watts
3	<b>INPUT</b>	1 Phase, 230 VAC
	Input Voltage Range	140V - 300 VAC
	Input Frequency	50Hz
4	<b>OUTPUT</b>	1 Phase, 230 VAC
	Output Volts Range	195V - 255V AC ( Mains Mode ) 230V±10% ( Battery Mode )
	Transfer Time	4ms - 10ms typical
	Output Frequency	50Hz +/-1 Hz ( Battery Mode )
	Output Wave form	Stepped Sinewave
	Inverter Efficiency	> 60 %
5	<b>BATTERY</b>	

## ANNEXURE-I

e-Tender No : WEBEL/EOT/COM/22-23/00081 Date: 31-01-2023

Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.

	Battery	12 V SMF 7 AH - 2 Nos (inbuilt)
	System Voltage	24 V DC
	Recharge time	8 hrs for 90% charging
6	<b>INDICATION &amp; PROTECTION</b>	
	Front Display	LED
	Indication	AC Mode - Green Light
		Backup Mode - Yellow flashing
		Fault - Red lighting
	Alarm	Battery Mode - Every 10 Second
		Low Battery - Every Second
		Over load - Every 0.5 Second
		Fault - Continuously sounding
	Night guard protection	Required
	Protection Features	Mains Ac Input Low / High, Battery mode Input Low / High, Short circuit trip - Mains / Battery, Over load Trip - Mains / Battery mode
	Input Protection	Resettable Circuit Breaker
8	<b>CONNECTION</b>	
	Input Type	1.5 meter Power Chord
	Output Type	4 Nos - 5 Pin Indian Socket
7	<b>PHYSICAL</b>	
	Dimension(W X D X H) mm	140x368x180
	Weight	14
9	<b>ENVIRONMENTAL</b>	
	Relative Humidity	0-95% without condensation
	Operating Temperature	0 - 40 degC
	Noise Level	< 40 dB at 1 meter distance
10	<b>FEATURES</b>	
		Microprocessor based design for High reliability
		Auto Restart Facility
		Generator Compatibility
		Cold Soft
		Double Boost & Single Buck AVR
11	<b>STANDARDS</b>	
	IS 16242 (PART 1) : 2014	Required
	Performance Test Report	Required from NTH (National Test House)
12	<b>Warranty</b>	<b>2Years on UPS &amp; 2Years on Battery from date of supply.</b>
13	<b>Service purpose</b>	<b>UPS OEM should have toll free number facilities for all type service call logging support.</b>
14	<b>Criteria</b>	<b>UPS OEM should have at least own 10 Service Centers (Where Spare &amp; Parts stock available and UPS will repair instant) and own payroll 40 Service engineers in West Bengal for Service support</b>
		<b>UPS OEM should have 400 CR turnover consecutive last 3 financial Years</b>
		<b>UPS OEM should have own Factory premises in India</b>

## ANNEXURE-I

e-Tender No : WEBEL/EOT/COM/22-23/00081 Date: 31-01-2023

Selection of Vendor(s) for Installation of IP Based CCTV Cameras at Sundarban Police District.

### 6U Network Rack

Sl. No	Description
1	<b>TECHNICAL SPECIFICATION FOR 6U Wall Mount RACK:</b>
	Racks manufactured out of steel sheet punched, formed, welded and Powder coated
	Rack should be from ISO 14001 ,27000 Certified Company & UL Listed
	Standard for Racks configuration will be welded frame with Integrated side panel and vented top cover
	Rack should have Front Toughened Glass door
	Rack should have provision to mount racks on Wall
	Rack should be 6U(1U = 44.45 mm) in Height.
	It should be minimum 550MM Wide & 500MM Deep
	Rack should Conform to DIN 41494 or Equivalent EIA /ISO / EN/CEA Standard
	Rack should have Adjustable mounting depth,
	Rack 4 No Adjustable, 19" verticals with Punched 10mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space.
	Rack should have Numbered U positions,
	Rack should have 100% assured compatibility with all equipment conforming to DIN 41494 (General industrial standard
	Powder coated finish with seven Tanks pre-treatment process meeting IS
	Rack should have one Hoz. Cable Manager Loop 1U.
	Rack should have Fan module Mount Provision on top Cover with minimum 1 no. 90 CFM Fan
	Rack should have one Server /IT Rack mount power distribution unit, 1Ph, 230V, 16A, 50/60Hz, 2U standard with 6 X
	Rack should have provision for cable entry Exit from Both top & Bottom.
	Rack should have 1 Packet of mounting hardware, Pack of 20.