

Request For Proposal
for
Selection of System Integrator for Supply, Installation,
Commissioning and Maintenance of CCTV Based
Surveillance System in the Premise of JUDICIAL
ACADEMY, PATNA BIHAR

NIT No:- BSEDC/1084/18; **dated** 24 /02 /2018



Bihar State Electronics Development Corporation Limited
(A Government of Bihar Undertaking)
BELTRON BHAWAN
Patna – 800 023, BIHAR
Phone : 0612-221242 ; FAX : 0612-2281857
e-mail: vinay.beltron@gmail.com

IMPORTANT INFORMATION

Non-Refundable Tender Cost	Rs. 5,000.00 (Five Thousand) through e-payment only else bid will be rejected.
e-Tendering Processing Fee	Rs. 1000.00 +GST @18%, through e- Payment only else bid will be rejected.
Sale of RFP Document	From 05/03/2018 till 26.03.2018, 03:00 PM.
Pre-bid Queries (if any) through email.	Latest by 12/03/2018, thereafter no queries shall be entertained.
EMD/Bid Security	Rs. 1,00,000.00 (Rs. One Lakh Only) in the form of Bank Guarantee/Demand Draft in favor of BSEDC Ltd. Patna from any scheduled bank. It may also be submitted through e-payment.
Performance Bank Guarantee (PBG)	Performance Guarantee will be submitted in the form of Bank Guarantee @ 10% of Project Cost/P.O. Value by successful bidder.
Last date for submission of Bid (Only through e-Procurement)	26.03.2018 till 5:00 PM
Opening of General cum Technical Bid	27.03.2018 ; 5:00 PM
Opening of Financial Bid	Communicated later...

CHAPTER 1. INFORMATION

1.1 GENERAL INSTRUCTIONS

Bihar State Electronics Development Corporation (BSEDC) on behalf of “Judicial Academy, Patna, Bihar” intends to set up IP based CCTV surveillance system in their premises.

The invitation to the bid is for “Supply, Installation, Commissioning and maintenance of IP based CCTV Surveillance System in the premise of “Judicial Academy, Patna, Bihar” with one year warranty. Submission of bids shall be deemed to have been done after careful study and examination of the RFP document with full understanding of its implications. This section provides general information about the Issuer, important dates and addresses and the overall eligibility criteria for the bidders.

1.1.1 ISSUER

Bihar State Electronics Development Corporation Ltd. (herein after referred to as BSEDC) an undertaking of Department of Information Technology, Govt. of Bihar, invites proposals from leading agencies in the IT Industry for the aforesaid requirement.

1.1.2 CONTACT PERSON

Managing Director,

Bihar State Electronics Development Corporation Limited,
BELTRON Bhawan, Shastri Nagar,
Bailey Road, Patna 800 023, Bihar

1.1.3 PROCUREMENT OF RFP DOCUMENT

The RFP document can be downloaded from the website www.eproc.bihar.gov.in/www.bsedc.bihar.gov.in. The cost of tender document is Rs. 5000/- (Rupees Five Thousand Only) which is non-refundable. This fee shall be paid only through e-payment else the bid will summarily be rejected.

1.2 Project background

This project has been developed to keep the close monitoring of the activities in the premise of the offices of “Judicial Academy, Patna, Bihar” in order to ensure security.

The Administration is looking for a system in each premise which should be capable of monitoring from Single/Multiple location in the premise only.

1.3 SYSTEM OBJECTIVE

- a) The Project envisages implementation of Video Surveillance system for:
 - i. Law & Order,
 - ii. Special events like public gatherings etc.
 - iii. Crime Control,
 - iv. Unauthorised Access Control, etc.

- b) System should be scalable and provide enhanced functionality and services as an when required in future (Scalability and Expandability)

1.4 The system should broadly aim at the following minimum capabilities:

- a) Providing high-quality video images on real-time basis from distant security cameras.
- b) Establishing Central Control Room in the premise to continuously monitor, analyse and take action as required by coordinating all responses.

For this purpose only, BSEDC (The State Nodal agency) has conceptualized the project for supply, installation, commissioning and maintenance of CCTV Surveillance System in the aforesaid premises.

1.6 DETAILED SCOPE OF WORK

Supply, Installation, Commissioning and maintenance of CCTV based surveillance system in the premises of “Judicial Academy, Patna, Bihar”

A combination of IP High definition (HD), Night Vision Fixed (Bullet and Dome) and PTZ cameras will be used for keeping track of the activities in the premise of the above-mentioned location. OFC, UTP and RJ6 will be deployed for establishing network. The responsibility of the selected bidder will be at least but not limited to the facts mentioned below:-

- a) Co-ordination with different stakeholders of the project and addressing different issues.
- b) Nominate the project manager, who will be the single point of contact from the side of successful bidder, just after placement of LoI.
- c) Supply, installation, commissioning and maintenance of required material for establishment of wired end to end network and electrical connectivity (if required) of all the camera locations under this RFP to the control room according to above mentioned concept.
- d) Supply and installation of all required active as well as passive equipment/ material/ accessories (whether part of bill of material mentioned in this RFP or not) required for installation of the CCTV surveillance system. BSEDC will not be responsible for any additional payment against the same.
- e) Configuring and fine-tuning of subsystems to achieve overall optimal network performance with high-level physical & cyber security.
- f) Perform the activities in the hours permitted by the concerned authority.
- g) The selected bidder will also be responsible to provide the available recording as and when required by the administration, However 30 days backup should be provisioned from day one.
- h) Deployment of Manpower resources for technical support during operations and maintenance (24 X 7) after GO LIVE
- g) The selected agency shall also be sole responsible to follow Govt. norms on disbursement of wages to the deployed resources .

1.7 FACILITATION BY “Judicial Academy, Patna, Bihar”/BSEDC Ltd.

- a) A properly finished & furnished Control room of adequate size will be provided in each campus, by the “Judicial Academy, Patna, Bihar”/BSEDC. The IT as well as UPS activities at control room will be done by the selected bidders only.
- b) The permission to work in the premises will be provided by the campus administration/BSEDC.
- c) The permission for mounting of cameras on any of the existing infrastructure will be provided by the administration/BSEDC.
- d) Right of way for Fiber/Cat 6 lying, duly approved by the Concerned Authority, will be provided by the administration/BSEDC.
- e) The physical security of the entire system, during project execution will be the responsibility of the Administration.
- f) The physical security of the entire system after execution will also be the responsibility of the Administration.
- g) The monitoring of the entire system will be the responsibility of the Administration.
- h) A nodal officer for day-to-day co-ordination will be nominated by the Administration.

CHAPTER 2 : GENERAL MANDATORY TERMS AND CONDITIONS

2.1 ELIGIBILITY CRITERIA

The bidders must fulfill the following conditions with supporting documentary proof else their bid may stand rejected:-

1. The bidder should be a System Integrator or IT Company for participation in this Tender.
2. The bidder should be registered under Indian companies Act-1956 or Shop & Establishment act 1953.
3. The bidder should have average annual turnover of INR 2 Crores or above in the last three Financial years. (2014-15, 2015-16 and 2016-17). The Bidder shall upload and submit audited P & L account for last three financial years for the verification.
4. The bidder should have successfully completed similar project of supply, installation and commissioning of CCTV Camera based project of minimum Rs. 30 Lakh in a Single order in last 3 Financial Years.
5. The bidder should have experience of installation of minimum 150 CCTV cameras in a single order from any Govt. Sector /PSU/Bank/School/Collage/University in last 3 financial years.
6. The bidder should have GST registration in Bihar. Otherwise they will have to give undertaking that they will get registered within a period of 30 days from the date of being declared successful in the bid.

7. The bidder shall provide self-declaration certification for non-engagement in fraudulent corrupt practices, non- blacklisting.
8. The bidder must have Manufacturer Authorization Certificate (MAF) issued directly by OEM and compliance sheet duly signed by OEMs for all the active components like Camera, NVR, Network switch and UPS. **(Format Annexure-C)**
9. The bidder should have enrolled in ESIC and EPFO with valid registration number.

2.3 SUBMISSION OF TENDER (TWO-BID SYSTEM)

2.3.1 TENDERING PROCESS

1. BSEDC now invites proposals from interested bidders through e-procurement process for **“Setting up Surveillance System at “Judicial Academy, Patna, Bihar”**
2. Bidders need to submit the General, Pre-qualification and Technical details as part of General cum technical bid and Commercial bid through **www.eproc.bihar.gov.in/**
www.bsedc.bihar.gov.in
3. Bidder needs to submit separate General cum Technical bid and commercial bid for the Project.
4. The bidders shall submit their eligibility and qualification details, commercial bid etc., in the online standard formats displayed in e-Procurement web site. The bidders shall upload the scanned copies of all the relevant certificates, documents etc., in support of their eligibility criteria/technical bids and other certificate/documents in the e-Procurement web site. The bidder shall sign on the statements, documents, certificates, uploaded by him, owning responsibility for their correctness /authenticity.

2.3.2 e-PROCUREMENT PROCESS RELATED INSTRUCTIONS.

Submission of Proposals (Through electronic mode only)

1. The bidder shall submit his bid/tender on e-Procurement platform at www.eproc.bihar.gov.in.
2. The bidder must have the Class II/III Digital Signature Certificate (DSC) and e-Tendering User-id of the e-Procurement website before participating in the e-tendering process. The bidder may use their DSC if they already have the DSC. They can also take DSC from any of the authorized agencies. For user-id they have to get registered themselves on e-procurement website www.eproc.bihar.gov.in and submit their bids online on the same. Offline bids shall not be entertained by the Tender Inviting Authority for the tenders published in e-procurement platform.
3. The bidders shall submit their eligibility and qualification details, Technical bid, Financial bid etc., in the online standard formats given in e-Procurement web site at the respective stage only. The bidders shall upload the scanned copies of all the relevant certificates, documents etc., in support of their eligibility criteria / technical bids and other certificate /documents in the e-Procurement web site. The bidder shall digitally sign on the supporting statements, documents, certificates,

uploaded by him, owning responsibility for their correctness/authenticity. The bidder shall attach all the required documents for the specific tender after uploading the same during the bid submission as per the tender notice and bid document.

4. All the required documents should be attached at the proper place as mentioned in the e-forms otherwise the tender of the bidder will be rejected.
5. Tender Processing Fee (TPF) to be paid through e-Payment mode (i.e. NEFT / RTGS, Net Banking, Credit / Debit Card) only.
6. Cost of BOQ/ Form Fee to be paid through e-Payment mode (i.e. NEFT / RTGS, Net Banking, Credit / Debit Card) only.
7. “Earnest Money Deposit (EMD) can be paid either through online mode or manual mode (BG,DD etc). In case of manual mode of payment of EMD, the original hardcopy of the EMD which may be a DD/BG or any other instrument that should be submitted in the tendering authority office within the next working day after tender closing date.”
8. The tender opening will be done online as per schedule.
9. Any corrigendum or date extension notice will be given on the e-Procurement website only.
10. For support related to e-tendering process, bidders may contact at following address “e- Procurement HELP DESK First Floor, M/22, Bank Of India Building, Road No-25, Sri Krishna Nagar, Patna-800001 **Ph. No: 0612-2523006, Mob-7542028164**” or may visit the link “Vendor Info” at www.eproc.bihar.gov.in.

Note: Bids along with necessary online payments must be submitted through e-Procurement portal www.eproc.bihar.gov.in before the date and time specified in the NIT/RFP. The department / Tendering Authority doesn't take any responsibility for the delay / Non Submission of Tender / Non Reconciliation of online Payment caused due to Non-availability of Internet Connection, Network Traffic / Holidays or any other reason.

2.3.3 GENERAL CUM TECHNICAL BID

The General cum technical bid should not be furnished with commercial quote.

The General cum technical bid should contain the following:

- I. BoQ cost of Rs 5000/- to be deposited through e-payment only otherwise the bid will directly be rejected.
- II. e-tender processing charges of Rs 1000/- + GST @ 18% to be paid through e-payment only.
- III. EMD of Rs 1,00,000/- (Rs One Lakh only) to be deposited in the form of e-payment/Bank Guarantee/ Demand Draft (DD) from a Scheduled bank.
- IV. Duly filled in **Annexure – A** (Profile of the company) with relevant details and enclosures.

- V. Digitally signed Tender proposal along with credentials and supporting documents.
- VI. Authorization letters from authorized signatory of Original Equipment Manufacturers (OEMs).
- VII. Technical solution document detailing about the solution offered.
- VIII. Company Registration certificate
- IX. Company Profile
- X. Latest sales tax clearance certificate
- XI. Order copies with work completion proving document.
- XII. ESIC & EPFO Registration Number
- XIII. Last Three years IT returns
- XIV. Last Three years Audited Financial document.
- XV. Technical Datasheet of the quoted products with OEMs certification.
- XVI. Compliance Certificate for the Technical Specification of Items from OEMs.
- XVII. Power of attorney to the authorized person granting the person signing the proposal the right to bind the bidder as the Constituted attorney of the Directorate.

2.3.4 COMMERCIAL BID

The Commercial Bid in the prescribed e-form should be filled up & uploaded on the website www.eproc.bihar.gov.in.

The tenders not submitted as specified above will summarily be rejected.

2.4 EARNEST MONEY DEPOSIT (EMD)

Earnest Money Deposit of Rs. 1,00,000/- by e-payment/Demand Draft (DD) / Bank Guarantee from a Scheduled Bank drawn in favour of “**The Managing Director, BSEDC Ltd., Payable at Patna**” with 180 days validity from the date of bid submission should be enclosed with the Technical bid. The EMD will be returned back to the unsuccessful bidder. The EMD is not liable to earn any interest.

2.5 DETAILS TO BE FURNISHED AND MODE OF PRESENTATION

- a) The bid document should contain particulars like name and addresses of the bidder, cost including all taxes and other levies applicable for delivery.
- b) The tender quote should be valid for a period of 180 days from the date of opening of the Commercial Bid of the Tender.
- c) The quote for each item with make, model and specifications should be indicated in Commercial bid.
- d) Technical specifications and Brochures (Data Sheet) for each item quoted should be enclosed in the Technical Bid.

- e) Increase/decrease of any duties, taxes and surcharges will be passed on to department/ BSEDC.
- f) Submission of any additional documents will not be entertained after tender opening unless required by the purchaser. The website will not accept any document after closure of submission schedule.
- g) Against each line item of the BoQ, only one make product is allowed to be quoted. The bid of bidder quoting optional make for any line item will summarily be rejected.

2.6 OPENING OF TENDER

The tenders received on the date and time specified in the tender document will be opened by the Committee members of BSEDC Ltd. On the website www.eproc.bihar.gov.in can be seen by the authorized bidders who hold the digital signature on behalf of their companies.

The Technical bids of bidders, which are correct and qualified in all respects, will be evaluated and those who qualify on the basis of technical bid will be informed through the decision on the website the, date and time of opening of their commercial bids. The Commercial bids of the technically qualified bidders will be opened. The decision of the Managing Director, BSEDC Ltd shall be final in this regard.

2.7 Forfeiture of Earnest Money Deposit:

If the successful bidder fails to act according to tender conditions in any aspect or backs out after the tender was accepted, the EMD will be forfeited by BSEDC limited.

2.8 REJECTION CRITERIA

- i. Tender should be submitted in line with the official tender document sold by BSEDC limited. Tender document sold to one person / firm cannot be used by any other person / firm.
- ii. Tenders submitted without furnishing any of the required details specified in **Annexure-A** will summarily be rejected.
- iii. Tenders should be submitted with digitally signed document and seal of the bidder in the tender document and also in the Technical and Commercial e-forms in separate schedules. The Tenders received without being duly certified by the bidder for fully accepting the terms and conditions of the tender and for abiding by the rules laid down, will summarily be rejected.
- iv. The tenders submitted without EMD and tender document fee will summarily be rejected. No exemption from submission of EMD is allowed.
- v. Tenders submitted without the specification for each item quoted or compliance statement in the technical bid will summarily be rejected.
- vi. Tenders with incomplete information, subjective and conditional offers/bidder's

own terms & conditions including partial offers will be liable for rejection.

- vii. Tenders submitted without audited financial statements for the previous 3 years along with IT returns copy, will summarily be rejected.
- viii. The Tenders submitted with incomplete details against the required specifications in Technical bid will summarily be rejected.
- ix. In addition to the above rejection criteria, non-compliance in any aspect of this tender document will make the tender liable for rejection.

2.9 SPECIAL TERMS

BSEDC reserves the right to negotiate for further reduction of price and to ensure make/quality/specification of materials to be supplied. BSEDC reserves the right to increase or decrease the quantity requirements to the extent Govt. feels the exigency of the new project of any quantity in terms of products & services. BSEDC reserves the right to scrap the tender at any point of time without giving any clarification.

2.10 ACCEPTANCE OF TENDER AND WITHDRAWALS

- a) The final acceptance of tender is entirely vested with Managing Director, BSEDC limited, GoB, who reserves the right to accept or reject the tenders without assigning any reason. There is no obligation on the part the Department to communicate with the rejected bidders. After acceptance of the Tender terms, the bidder shall have no right to withdraw his Tender or claim higher price.
- b) The tender accepting authority may also reject the tenders for reasons such as changes in the scope of procurement with advanced technology equipment, lack of anticipated financial resources, court orders, accidents or calamities and other unforeseen circumstances.

2.11 CONTRACT AGREEMENT

- a) The successful bidder will be informed by a provisional order to execute an agreement on a stamp paper to fulfill the contract as enclosed in the format within 15 days from the date of issue of LoI. The non- execution of contract agreement within the prescribed period will entail cancellation of the order and EMD will be forfeited by considering the bidder as not responded.
- b) Expenses incidental to the execution of the agreement shall be borne by the Bidder.
- c) The conditions stipulated in the contract agreement form should be strictly adhered to and any violation of the conditions will entail termination of the contract without prejudice to the rights of PURCHASER and to recover any consequential loss from the successful Bidder.

2.12 SECURITY DEPOSIT

The successful Bidder will remit the Security Deposit of 10% of the order value in the terms of Bank Guarantee from a Nationalized/ Scheduled Bank drawn in favour of “**B.S.E.D.C Ltd.**, Bihar, payable at Patna” and should be enclosed with the contract agreement within fifteen (15) days from the date of receipt of the Letter of Intent.

- a) The Security Deposit remitted by the Bidder will be returned after the expiry of warranty period and on the performance satisfaction by the user.
- b) The Earnest Money Deposit may be forfeited if the bidder fails to remit Security Deposit within 15 days or to act on the tender conditions or to complete the project.

2.14 SUPPLY, INSTALLATION AND COMMISSIONING

- a) The Supply of equipment including all accessories should be as per the specifications mentioned in the tender document.
- b) The equipment and its related accessories should be supplied, installed and commissioned at “Judicial Academy, Patna, Bihar premises.
- c) Bidder shall be responsible for commissioning the new equipment and accessories with interface compatible to the existing equipment and accessories with the concurrence and co-ordination of the liaison officer of the department for the implementation of project at respective sites during installation.
- d) All relevant documents such as operation and user manuals, schematic and circuit diagram, service manual including trouble shooting shall be supplied by the Bidder for each equipment at free of cost.
- e) If the supply, installation and commissioning of the equipment are not completed as specified from the date of issue of LoI, the user Department/BSEDC shall have the right to cancel the order and also take any such action which will be deemed fit according to the circumstances.

2.15 PAYMENT TERMS

#	Milestone	Supporting
1.	On delivery of material, 60% of the Contract value.	<ul style="list-style-type: none">• Details of the items like serial no./part code no etc.• Delivery proof duly signed by Customer
2.	On completion of installation, Commissioning, testing of the complete system, 30% of the Contract value.	<ul style="list-style-type: none">• AT Certificate issued by customer/BSEDC
3.	On Completion of 1 year warranty / maintenance	<ul style="list-style-type: none">• Certificate issued by BSEDC

support from the date of AT or against submission of equivalent amount of additional Bank Guarantee, 10% of the Contract Value.	on completion of one year of warranty /maintenance support.
--	---

2.16 TRAINING

The training on the operation and use of systems and software utilities shall be provided by the selected agency either at the time of installation and handing over to end customer.

2.17 LIQUIDITY DAMAGES FOR NON-FULFILMENT OF PURCHASE ORDER

Penalty will be levied at 1.5% per week on the total value of the project implementation subject to a maximum of 6% for four weeks for any delay in supply, installation and commissioning beyond the allowed timeline Any unreasonable delay beyond the allowed timeline in completing the projects may entail termination of the contract, forfeiture of PBG and blacklisting of Bidder.

2.18 PENALTY FOR NON-FULFILMENT OF CONDITIONS

Penalty will be levied at 10% on the total value of the equipment or the actual loss incurred by the Department whichever is higher if the conditions stipulated in the Contract Agreement are not fulfilled or observed till the project is completed with satisfactory performance and handed over.

2.19 WARRANTY

- a) A warranty period of 12 months should be allowed against the continuous working with satisfactory performance for all the equipment and accessories used for commissioning the systems from the date of acceptance of the completed project.
- b) If any defect in manufacturing or technical aspects are noticed within the warranty period, the bidder is liable to rectify or replace free of cost.

2.20 IMPLEMENTATION TIMELINE

Date of issue of LoI (T₀)	T₀
Signing of Contract Agreement (T ₁)	T ₀ + 2 WEEKS= T ₁
Supply of ordered items (T ₂)	T ₁ + 5 WEEKS= T ₂
Installation and commissioning of equipment (T ₃)	T ₂ + 2 WEEKS= T ₃
Acceptance of the system including Trial run for 1 week (T ₄)	T ₃ + 1 WEEK = T ₄

2.21 OEM SUPPORT

The OEM shall undertake to provide support for the offered product for a period of 5 years.

CHAPTER 3 : ANNEXURE – A

3.1 PROFILE OF THE COMPANY

The bidder should furnish the following details to be pre-qualified for the commercial bid opening.

SL. NO.	DETAILS	REMARKS
01	Name of the organization with year of incorporation.	
02	Nature of organization	
03	Address of the Registered office of Bidder with phone and Fax number.	
04	GST registration No.	
05	Income Tax clearance certificate (Latest to be enclosed)	
06	Audited Balance sheet and Income statements of the just concluded year and the previous three years	
07	Project person who will be handling the above project. (Name, qualification and Contact phone number)	
08	Name of the Government sector and other organizations, to whom the supply installation and commissioning of similar systems were made in the preceding three years (enclose copy of purchase orders and other documents)	

Note: All the details above with supporting documents must be provided by the Bidder.

3.2 TECHNICAL SPECIFICATION OF EQUIPMENT

S.No		Minimum Specifications
1.	High Definition IP based Bullet/Dome Camera	1/2.7” 2MP PS CMOS Image Sensor; Max 25/30fps@ 2MP; H.264Plus and H.264 dual-stream encoding; DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC; 2.8mm fixed lens (3.6mm optional); IR /Array Range of 30 Mtrs, IP67, PoE; Camera should have UL/EN certification.
2.	High Definition IP Based PTZ Camera	1/2.8” 2MP Exmor R CMOS Image Sensor; Max. 50/60fps@1080P, 25/30/50/60fps @720; Powerful 25x Optical and 16x Digital Zoom; WDR (120db), 3D DNR, Day/Night(ICR), BLC, HLC; Up to 300

		presets, 8 auto scan, 8 tour, 5 pattern, 8 auto pan; Max 400°/s pan speed, 360° endless pan rotation; Built-in 2/1 alarm in/out; IR /Array Range of 150 Mtrs, IP66, PoE; Camera should have UL/EN certification.
3.	32 Channel Network Video Recorder	32 Ch. with 1080p Real-time Live View; H.265/H.264 dual codec decoding; Up to 8Mp resolution preview & playback; Max 200Mbps incoming bandwidth; Support 4 SATA HDDs up to 24TB, 2 USB(1 USB 3.0); HDMI / VGA simultaneous video output; ONVIF Version 2.4 conformance; Support Multi-brand network cameras ,Should be onvif compliant and UL/EN certified.
4.	Display	49” or higher, IPS, Full HD, HDMI input,USB,16:9, 24X7, Enterprise grade, 6.0/BEE star certified
5.	8 Port PoE Switch	8 X 10/100, 1 SFP; Should be RoHS Compliance, UL/EN, TUV or equivalent certified; Up to 40 degree centigrade
6.	24 Port PoE Switch	24 X 10/100, 1 SFP; Should be RoHS Compliance, UL/EN, TUV or equivalent certified; Up to 40 degree centigrade
7.	5 KVA Online UPS	60 Min on full load, 16 X 42 AH battery
8.	1 KVA Line Interactive UPS	30 Min on full load, 2 X 14 AH battery

9. Cat 6 Cable (FR PVC) (Schneider/Molex/Legrand/AMP/ R&M/Comscope)

9	Conductors	23 AWG solid bare copper or better
	Approvals	UL tested for TIA/EIA-568C.2, ETL verified to Cat 6, Zero Bit Error verified by ETL.
	Frequency tested up to	Minimum 600 MHz

10. SM Fiber optic Cable

10	Cable Type	Single Mode, OS2, Armoured, Loose Tube – Unitube, CSTA, Jelly Filled
	No. of cores	6
	Water blocking compound	Cable must have Water blocking compound
	Strength Member	Should have FRP strength member
	Cable outer jacket Specification	Must have Dielectric and Metallic Sheath Cable. Cable must be direct buried
	Attenuation :	
	@1310nm	<= 0.33 dB/Km

@1550nm	<= 0.19 dB/Km
Coating / Cladding non-circularity	<= 12 microns
Zero Dispersion Slope	<= 0.092 ps / sqnm-km
Fiber core	UL Listed
Tensile rating	Not less than 1000N
Maximum Crush resistance	Not less than 44N/mm
Armor	Corrugated Steel tape Armor
Approval	UL Listed Fiber
RoHS	RoHS Compliant

11. **9 U RACK with PDU and cable manager, MCB 32 AMP (DP) for each rack**
 12. **12 U RACK with PDU and cable manager, MCB 32 AMP (DP) for each rack**

Note: Data sheet shall be submitted by the bidder as proof of qualified quoted products.

3.3 Un-priced BILL OF MATERIAL (BOM)

SL. No.	Equipment	Unit	Qty.
1	NVR 32 CHANNEL	Pc	6
2	2 MP IP camera	Pc	157
3	2 MP IP PTZ	Pc	3
4	24 PORT PoE switch	Pc	13
5	8 PORT PoE switch	Pc	5
6	49" commercial display or Higher	Pc	6
7	CAT-6e UTP CABLE with laying accessories as well as other required accessories	Mtr	10000
8	HARD DISK 4 TB	Pc	6
9	Online UPS 5 KVA	Pc	1
10	Online UPS 1 KVA	Pc	7
11	9U RACK with PDU and cable manager, MCB 32 AMP (DP) for each rack	Set	6
12	12U RACK with PDU and cable manager, MCB 32 AMP (DP) for each rack	Set	1
13	OFC 6 CORE SINGLE MODE with required laying accessories	Mtr	1500
14	LIU and other required OFC components like fiber patch cord SC to SC, splice tray, media convertor, pigtail etc		2

15	CAT-6e UTP and respective accessories for laying	Mtr	10000
16	OFC and accessories overhead laying including splicing	Mtr	1500
17	Installation and commissioning of per camera	Pcs.	160
18	Manpower resources for technical support during operations and maintenance (24 X 7) should be professionals (B.E/B.Tech/MCA/Diploma in electrical or electronics	Nos.	3

Note:- It is the bidders responsibility to conduct the detailed survey. The quantity of the passive items is indicative only for selection of bidder. However, the payment for the passive components will be made as per actual only. It is bidder responsibility to consider cost of any additional components needed other than mentioned in the bill of material as part of their bid in order to make the solution fully active. No additional payment will be made for the same.

3.4 COMMERCIAL QUOTE (Format)

SL. No.	Equipment	UoM	Qty	Unit rate without tax (INR)	Applicable Tax in %	Applicable Tax in INR	Unit rate with tax (INR)	Total for the line item (INR)
			A	B	C	D	E=B+D	F=A*E
1	NVR 32 CHANNEL	Pc	6					
2	2 MP IP camera	Pc	157					
3	2 MP IP PTZ	Pc	3					
4	24 PORT PoE switch	Pc	13					
5	8 PORT PoE switch	Pc	5					
6	49" display or Higher	Pc	6					
7	CAT-6e UTP CABLE with laying accessories as well as other required accessories	Mtr	10000					
8	HARD DISK 4 TB	Pc	6					
9	Online UPS 5 KVA	Pc	1					
10	Online UPS 1 KVA	Pc	7					

11	9U RACK with PDU and cable manager, MCB 32 AMP (DP) for each rack	Set	6					
12	12U RACK with PDU and cable manager, MCB 32 AMP (DP) for each rack	Set	1					
13	OFC 6 CORE SINGLE MODE with required laying accessories	Mtr	1500					
14	LIU and other required OFC components like fiber patch cord SC to SC, splice tray, media convertor, pigtail etc	Job	2					
15	CAT-6e UTP and respective accessories for laying	Mtr	10000					
16	OFC and accessories overhead laying including splicing	Mtr	1500					
17	Installation and COMMISSINIG OF ONE CAMERA	Pcs	160					
18	Manpower resources for technical support during operations and maintenance (24 X 7) should be professionals (B.E/B.Tech/MCA/Diploma in electrical or electronics) (3 Manpower for one Year)							
19	Total with one year warranty							
20	AMC in percentage for 2nd and 3rd year respectively Including Manpower Support							

Note1:- In case of difference between the unit price and the calculated total price, unit price will be applicable and recalculation will be made accordingly. In case of difference between value in figure and value in words, the value in words will be applicable. The L1 bidder for total project cost for one year shall have to accept the L1 AMC rate.

Note 2:- The taxes will be paid as per actual.

Note 3:- The tender will be awarded to the vendor quoting lowest value against **TOTAL PROJECT COST** with one year warranty including taxes at current applicable rates. However, in case of any discrepancy by the bidder in mentioning current applicable tax rates, BSEDC will either make recalculation of the bid value making required corrections and evaluation of financial bid for selection of the bidder will be made on the corrected recalculated value or may summarily reject the financial bid of the bidder making the discrepancy in its bid.

3.5 AWARD OF PROJECT (L1 COST)

The bidder who will quote the lowest price (L1) will be considered as a selected vendor for the execution and running of Project. The project will be awarded to the L1 bidder. If required, BSEDC may place order to selected vendor for other surveillance installation also on the discovered rates.

3.7 FORCE MAJEURE

Neither party shall be responsible to the other for any delay or failure in performance of its obligations due to any occurrence commonly known as Force Majeure which is beyond the control of any of the parties, including, but without limited to, fire, flood, explosion, acts of God or any Governmental body, public disorder, riots, embargoes, or strikes, acts of military authority, epidemics, strikes, lockouts or other labour disputes, insurrections, civil commotion, war, enemy actions. If a Force Majeure arises, the Bidder shall promptly notify BSEDC in writing of such condition and the cause thereof. Unless otherwise directed by BSEDC, the Bidder shall continue to perform its obligations under this Agreement as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

3.8 Indemnity & Limitation of Liability

Clause 1

Successful System Integrator (the "Indemnifying Party") undertakes to indemnify BSEDC (the "Indemnified Party") from and against all Losses on account of bodily injury, death or damage to tangible personal property arising in favour of any person, Board or other entity (including the Indemnified Party) attributable to the Indemnifying Party's negligence or wilful default in performance or non-performance under this Agreement. If the Indemnified Party promptly notifies Indemnifying Party in writing of a third party claim against Indemnified Party that any Service provided by the Indemnifying Party infringes a copyright, trade secret or patents incorporated in India of any third party, Indemnifying Party will defend such claim at its expense and will pay any costs or damages that may be finally awarded against Indemnified Party. Indemnifying Party will not indemnify the Indemnified Party, however, if the claim of infringement is caused by (a) Indemnified Party's misuse or modification of the Service; (b) Indemnified Party's failure to use corrections or enhancements made available by the Indemnifying Party; (c) Indemnified Party's use of the Service in combination with any product or information not owned or developed by Indemnifying Party; (d) Indemnified Party's distribution, marketing or use for the benefit of third parties of the Service; or (e) information, direction, specification or materials provided by Indemnified Party or any third party contracted to it. If any Service is or likely to be held to be infringing, Indemnifying Party shall at its expense and option either (i) procure the right for Indemnified Party to continue using it, (ii) replace it with a non-infringing equivalent, (iii) modify it to make it non-infringing. The foregoing remedies constitute Indemnified Party's sole and exclusive remedies and Indemnifying Party's entire liability with respect to infringement.

Clause 2

The indemnities set out shall be subject to the following conditions:

I. the Indemnified Party as promptly as practicable informs the Indemnifying Party in writing of the claim or proceedings and provides all relevant evidence, documentary or otherwise;

II. the Indemnified Party shall, at the cost of the Indemnifying Party, give the Indemnifying Party all reasonable assistance in the Defence of such claim including reasonable access to all relevant information, documentation and personnel provided that

the Indemnified Party may, at its sole cost and expense, reasonably participate, through its attorneys or otherwise, in such Defence; and such cost borne by the indemnified party shall be deducted from the payment due to the Indemnifying party.

III. If the Indemnifying Party does not assume full control over the Defence of a claim as provided in this Article, the Indemnifying Party may participate in such Defence at its sole cost and expense, and the Indemnified Party will have the right to defend the claim in such manner as it may deem appropriate, and the cost and expense of the Indemnified Party will be included in Losses;

IV. The Indemnified Party shall not prejudice, pay or accept any proceedings or claim, or compromise any proceedings or claim, without the written consent of the Indemnifying Party;

V. all settlements of claims subject to indemnification under this Clause will:

A. be entered into only with the consent of the Indemnified Party, which consent will not be unreasonably withheld and include an unconditional release to the Indemnified Party from the claimant or plaintiff for all liability in respect of such claim; and

B. Include any appropriate confidentiality agreement prohibiting disclosure of the terms of such settlement;

VI. the Indemnified Party shall account to the Indemnifying Party for all awards, settlements, damages and costs (if any) finally awarded in favour of the Indemnified Party which are to be paid to it in connection with any such claim or proceedings;

VII. The Indemnified Party shall take steps that the Indemnifying Party may reasonably require to mitigate or reduce its loss as a result of such a claim or proceedings;

VIII. In the event that the Indemnifying Party is obligated to indemnify an Indemnified Party pursuant to this Article, the Indemnifying Party will, upon payment of such indemnity in full, be subrogated to all rights and defences of the Indemnified Party with respect to the claims to which such indemnification relates; and

IX. If a Party makes a claim under the indemnity set out under Clause 15.1 above in respect of any particular Loss or Losses, then that Party shall not be entitled to make any further claim in respect of that Loss or Losses (including any claim for damages).

The liability of SI (whether in contract, tort, negligence, strict liability in tort, by statute or otherwise) for any claim in any manner related to this Agreement, including the work, deliverables or Services covered by this Agreement, shall be the payment of direct damages only which shall in no event in the aggregate exceed the amount specified in the contract. The liability cap given under limitation of liability clause shall not be applicable to the indemnification obligations set out here.

In no event shall either party be liable for any consequential, incidental, indirect, special or punitive damage, loss or expenses (including but not limited to business interruption, lost business, lost profits, or lost savings) nor for any third party claims (other than those set-forth in this section) even if it has been advised of their possible existence.

The allocations of liability in this Section represent the agreed and bargained-for understanding of the parties and compensation for the Services reflects such allocations. Each Party has a duty to mitigate the damages and any amounts payable under an

indemnity that would otherwise be recoverable from the other Party pursuant to this Agreement by taking appropriate and commercially reasonable actions to reduce or limit the amount of such damages or amounts.

3.11 ANNEXURE – B (BG FORMAT)

IRREVOCABLE BANK GUARANTEE NO

BENEFICIARY:

**Bihar State Electronics Development Corporation Ltd
Beltron Bhawan,
Shastri Nagar, Patna-800023**

At the request of M/s ----- (Name of the vendor with full address) ,we hereby guarantee to pay you a sum of Rs. (Rupees.....) in connection with the Tender for supply ,installation and commissioning of IP based CCTV surveillance (Name of the items supplied by the vendors, against Purchase Order No.-----) etc. (Schedule- no.- -- , Item No-----) against **Earnest Money Deposit/Security Deposit** as prescribed under the **Tender Document NIT** (Tender Notice No.:----- dated:-----.) and its subsequent corrigendum.

This guarantee is valid for a period of ----- months with effect from (.....) to (.....) and after which no claim will be entertained by us and this guarantee will automatically become null and void.

Any claim under the guarantee must be made in writing duly signed by BSEDC and must be received and acknowledged by us on or before the guarantee expiry date.

This bank guarantee may be renewed from time to time upon a written request by both the parties before the expiry of the validity.

Notwithstanding anything contained herein

- a) Our liability under this guarantee shall not exceed the amount mentioned above i.e. Rs----- (In words)
- b) This Bank Guarantee shall be valid up to -----
- c) We are liable to pay the guarantee amount or any part there of under this Bank Guarantee and only if served upon us a written claim on or before-----

Dated the-----day of----- (Month) ----- (Year) for-----

(Name of the Bank with fully address)

Details of Bank Guarantee i.e. no. date etc

Authorized signatory/ Branch Manager

(Details of Bank)

3.12 ANNEXURE – C (MAF FORMAT)

OEM Ref. No.:

To,

**The Managing Director
Bihar State Electronics Development Corporation Ltd.
BELTRON BHAWAN
Shashtri Nagar
PATNA – 800023, BIHAR**

Subject: Authorization for Supply, Installation, Testing and Commissioning of CCTV Surveillance System.

Tender Ref No.:

Dated:

We, M/s. _____ who are established and reputed manufacturers of _____ having factories / Depot as at _____ and _____ do hereby authorize M/s. _____ (Name and address of bidder) to offer their quotation and conclude the contract with you against the above invitation for the Bid, as one of our Authorized Dealers.

We hereby confirm that the CCTV System including all components delivered to the Corporation will be brand new. We also guarantee that all the software / components supplied by the supplier is licensed and legally obtained.

We, hereby, extend our full guarantee and comprehensive warranty as per terms and conditions of the Tender for our products offered against this invitation for Bid by the above firm. We, hereby confirm that the spares for the product offered should be available for after sales service for at least 05 years.

Dated at _____ this _____ day of _____ 20_____.

Authorized Signatory

Signature:

Name:

Designation:

Name & Address of the company:

Seal of the Company*

To be submitted on Company /OEM’s letter head duly signed by the Authorized signatory of Company