झारखण्ड राज्य खादी एवं ग्रामोद्योग बोर्ड
JHARKHAND STATE KHADI AND VILLAGE INDUSTRIES BOARD
(झारखण्ड सरकार का उपक्रम)
(Government of Jharkhand Undertaking)

पत्रांक / Ref. No. : 150 झ.ख.ग्रा.उ.बो.

दिनांक / Dated : 01.04.2022

SHORT RE-TENDER NOTICE

Sealed tenders are invited in prescribed manner from eligible firms/agencies for execution of following works:-

Details of Work:

Sl. no.	NIT No.	Name of work	Date and time of receipt of tender	Date and time of opening of tender
01	NIT No. – 09/JSKVIB/2021-22	Outdoor Advertisement	21 /04/2022 upto 11:00 am	21 /04/2022 at 11:30 am
02	NIT No. – 10/JSKVIB/2021-22	Supply of Sewing Machine & Allied Sewing Related Machines	21 /04/2022 upto 11:00 am	21 /04/2022 at 12:30 pm
03	NIT No. – 11/JSKVIB/2021-22	Supply of Tailoring Materials	21 /04/2022 upto 11:00 am	21 /04/2022 at 01:30 pm
04	NIT No. – 12/JSKVIB/2021-22	Supply of Stationary Items	21 /04/2022 upto 11:00 am	21 /04/2022 at 3:00 pm
05	NIT No. – 13/JSKVIB/2021-22	Supply of Refreshment Items/ Catering	22 /04/2022 upto 11:00 am	22 /04/2022 at 11:30 am
06	NIT No. – 14/JSKVIB/2021-22	Supply of Computer Related Items	22 /04/2022 upto 11:00 am	22 /04/2022 at 12:30 pm
07	NIT No. – 15/JSKVIB/2021-22	Supply, Installation and Commissioning of CCTV	22 /04/2022 upto 11:00 am	22 /04/2022 at 01:30 pm
08	NIT No. – 16/JSKVIB/2021-22	Goods Transportation	22 /04/2022 upto 11:00 am	22 /04/2022 at 3:00 pm

1. Name & Address of person inviting tender: Chief Executive Officer, JSKVIB, Ranchi
2. Place of sale of Tender Document- Office of CEO, JSKVIB Udyog Bhawan Ratu Road Ranchi.
3. Place of receipt and opening of Tender: Office of The CEO, JSKVIB, Udyog Bhawan Ratu Road Ranchi – 834001.
4. Detailed tender document can be downloaded from the website : www.jharkhandkhadi.net
5. The Board reserves the right to withdraw/amend the tender without any notice or assigning any reason.

01/04/2022

Chief Executive Officer
Jharkhand State Khadi & Village Industries Board,
Udyog Bhawan, Ratu Road, Ranch

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OFFICE OF THE CHIEF EXECUTIVE OFFICER
JHARKHAND STATE KHADI and VILLAGE INDUSTRIES BOARD, UDYOG BHAWAN
RATU ROAD RANCHI

NOTICE INVITING TENDER

NIT NO – 15/JSKVIB/2021-22 Date 01-04-2022

Sealed tenders on item rate basis are invited in a prescribed format from the eligible agencies/suppliers who have experience of supplying, installing, testing & maintenance of CCTV Cameras in various Organizations. The tender will be received in the office of the undersigned for the work, as given below:-

Sl. no.	Name of work	Amount of E.M.D (Rupees)	Cost of BOQ (Rupees)	Time of Completion
01	Supply , installation and commissioning of CCTV cameras and peripherals in the all Emporiums/ Training Centers/Offices of JSKVIB In Jharkhand	30,000.00	1500.00	01 month

1. Name & Address of person inviting tender: Office of the Chief Executive Officer, JSKVIB, 2nd floor, Udyog Bhawan, Ratu Road, Ranchi
2. Date and time of receipt of tender: 22/04/2022 up-to 11.00 A.M.
3. Date and time of opening of tender: 22/04/2022 at 01.30 P.M.
4. For further details please Visit the Website: - www.jharkhandkhadi.net

Chief Executive Officer,
Jharkhand State Khadi &
Village Industries Board, Udyog Bhawan,
Ratu Road, Ranchi.

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NIT NO – 15/JSKVIB/2021-22 Date 01-04-2022

Sealed tenders on item rate basis are invited in prescribed format from eligible agencies/suppliers who have experience of supplying, installation, testing & maintenance of CCTV Camera in Govt. Organization.

GENERAL RULES

1. The complete tender with all its enclosure shall be enclosed in sealed envelope and delivered to the office of Chief Executive Officer, 2nd floor JSKVIB, Udyog Bhawan, Ratu Road Ranchi 834001 on date and time as stipulated in clause 3 of chapter i.e. NIT.
2. The tenderer should mention in its forwarding letter a list of all documents submitted with the tender.
3. The tender shall contain the full name, address of residence, address of correspondence and place of business of person or persons filling the tender. In case there is subsequent change in address it must be informed to the office of the C.E.O, Jharkhand State Khadi & Village Industries Board, 2nd floor, Udyog Bhawan, Ratu Road, Ranchi - 834001 by registered post or via e-mail.
4. All pages of tender documents, and general rules must be signed with stamp, at the lower left hand corner and where ever required in the tender paper by the tenderer or a person holding power of attorney authorised to sign on behalf of the partners before submission of the tender.
5. In the event of the tender submitted by a firm it must be signed by each partner thereof and in the event of absence of any of the partner, the power of attorney, authorising him to do so must be produced on demand. All signatures should be dated.
6. The rates quoted by the tenderer shall be exclusive of GST, income tax, labour cess, royalty or any other taxes which will be applicable at prevailing rates as per the Government rules/orders, etc.
7. The tenderer shall be presumed to have carefully gone through the conditions of the contract and specifications of the work. The tenderer will also be deemed to have inspected the work site and to have satisfied herself/himself/themselves independently as to the nature, extent and practicability of all works that may be required for temporary purposes in connection with the contract work and also availability of materials, locations of work site including its climate, other geological characteristics, availability of skilled, semi-skilled unskilled labourers etc. The consequence of the lack of necessary knowledge will be at the risk and cost of tenderer.
8. The tenderer may submit a work programme of the work with the tender.
9. All labours are to be paid as per minimum wages act in force and as revised from time to time during the execution of work.
10. The tenderer will provide labour huts drinking water/medical facilities to labours at site and keep the site clear at his own cost.
11. The tenderer must return all the tender papers duly signed with stamped on each page while submitting the tender, failing which the same may be considered invalid.
12. On receipt of written order of acceptance of bid from the Authority, Jharkhand State Khadi & Village Industries Board, Ranchi, the successful tenderer will first deposit the balance amount of Performance Guarantee in shape of Bank Guarantee issued by scheduled Bank or Post office fixed deposit with validity for a period of expiry till three months after the end of the agreement. within the specified period of ten days and then enter into an agreement with the JSKVIB Ranchi on the basis of stipulation in the approved tender document along with subsequent negotiated terms as mutually agreed upon before issue of work order. Written order to commence to work shall be issued by the JSKVIB after acceptance of agreement by the competent Authority.
13. Work order shall be issued for the quantity of work as and when required and may be in pieces.

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Section II - Instruction to Bidders

1. The Supply, Installation and commissioning of all specified equipments will be at all Emporiums/ Training Centers/Offices of JSKVIB in Jharkhand Ranchi- 834001
   Approximate more than 100 CCTV Cameras are estimated to be installed.
2. The tender should be submitted in Two sealed Cover System i.e. a: Technical Bid along with EMD and b: Price Bid. There should be proper indication of the contents on each envelope. The Bidders shall seal two separate envelopes as envelope No.I **Technical BID** and envelope No.2 **Financial Bid.** Both the envelopes should be sealed in an outer envelope. Both the inner envelope and the outer envelope (super scribed NIT no. and name of the work) addressed to: The Chief Executive Officer, Jharkhand State Khadi & Village Industries Board, Udyog Bhawan, Ratu Road, Ranchi - 834001.
3. A non-refundable demand draft of Rs. 1500/- (Rupees One Thousand Five Hundred Only) for bid documents and demand draft of 30000/- (Rupees Thirty Thousand Only) as earnest money (refundable) drawn on any scheduled bank in the name of "CEO, Jharkhand State Khadi & Village Industry Board." payable at Ranchi must be submitted along with the tender/ bid. The tender without said demand drafts shall not be considered.
   The EMD of unsuccessful bidder will be returned without any interest.
4. Performance Security to be provided for Rs. 1,00,000/- (Rupees One Lac) by the selected Agency/Bidder in form of unconditional Bank Guarantee shall be issued by any **Nationalized/ Commercial/ Scheduled Bank** security shall then be returned after expiry of the agreement after adjustment of the dues of JSKVIB with the agency.
5. The bidders will have to quote the price of all CCTV items along with their installation charges in the financial bid and the cumulative price (Cost of equipment and installation charged and commissioning charges) and shall be completed within 60 days from the date of commandment
6. The Supply, Installation and Commissioning schedule shall be started within 10 days from the date of issuing of work order at the location as mentioned in the tender.
7. If the bidders fails to supply and install within the stipulated time the
   amount to be paid to him shall be deducted in the following manner. First 15 days of delay - 5% • Delay of l (one) month -10% • Delay of 2(two) months -15% of the value of work order. • Delay of 3 (three) months of work order - the tender shall be ended and the deposited amount shall be forfeited
8. In case of any discrepancy between rates mentioned in figures and words, the offer in words shall prevail. If there is any discrepancy between the unit price and the total amount the unit price shall prevail and the total price shall be corrected.
9. The bidder whose tender is accepted has to supply the items within the stipulated period as mentioned.
10. JSKVIB may forfeit the amount of security deposit if the bidder fails to supply items in stipulated period as mentioned above.
11. The EMD amount of unsuccessful Bidders will be refunded /returned without interest within one month after completion of tender process.

9. The price bid shall be evaluated on L1 basis.

10. No representation for change of rate once accepted will be considered.

11. If the items supplied by the accepted bidder are not as per the specified model and specification the JSKVIB reserves the right to reject them.

14. Any bid received by the Tendering Authority after the deadline for submission of bids as prescribed shall be returned or unopened by the Tendering Authority and that will be rejected.

15. Bidders are strictly advised to submit the details with full specifications along with warranty/ Gurantee period in the technical bid.

16. 100% of the total price of the supplied items will be payable after submission of bill along with successful installation, satisfactory performance and physical verification certificates duly signed by

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concerned authority at location or authorised representative of the JSKVIB, Ranchi

17. The supplier will have to assume onsite support of the supplied items for three Years.
18. During the onsite warranty period of 3(three) years or the warranty period proscribed by the manufacturer/supplier which ever in later, the bidder shall have to rectify/change free of cost any equipments/items of defects.
19. Bidder shall also be responsible for the onsite maintenance free of cost for one year & for AMC on expiry of term for free of cost matainance at the mentioned rate (The Bidder must specifically mention the AMC charges for the period of two years in the Bid).
20. All legal disputes are subject to the jurisdiction of Ranchi courts only.

Technical Eligibility of Tenderer: -

1. Tender Fee Rs. 1,500.00 & EMD of Rs 30,000.00 in the shape of DD issued from any Scheduled Bank in favour of Chief Executive Officer, JSKVIB.
2. Tenderer must have work experience of CCTV for the last three consecutive years.
3. Tenderer must have average annual turnover of 1.00 (One) Crore in the last three years with audited annual financial statement i.e. balance sheet Profit & Loss account et. of 2018-19, 2019-2020, 2020-2021.
4. Tenderer must have GST registered in Jharkhand including copy of return filed last.
5. Tenderer & CCTV OEM must have it registered office in Ranchi, Jharkhand.
6. The Tenderer must submit specific authorisation by the OEM Company.
7. Tenderer must submit ISO & MSME certificate of their Firm.
8. Bidder should have GST & Valid Trade license from Municipal Authority.
9. Product catalogue with model no should be submitted as per quotation by the bidder.
10. Tenderer must submit the Brand/Make- in their Tender Papers for more than 300 camera installation along with the work order /payment released order for the last 3 consecutive year in various Organisations.
11. Tenderer should not be black listed in any Government Organisation for this purpose an affidavit from Notary must be submitted with stamp & signature.
12. Tender fee and EMD amount will be considered for the agency who had already submitted the DD on 15.12.2021.

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Minimum Eligibility Criteria of OEM:

Sl. No	Eligibility Criteria Required
1	The MAC address of the IP cameras must be registered in the name of OEM supplying the cameras
2	OEM should have experience of having successfully completed similar work of at least 1000 IP cameras or more during last 3 years in India. Supporting document should have to be submitted.
3	OEM should have Average Annual Financial Turnover not less than Rs.100 Crores. (in India only for CCTV works) for the last two financial years.
4	Only the Manufacturers, who are manufacturing CCTV equipment for minimum 5 years are eligible. (With respect to last date of submission of bid). Certificate issued by the Competent Authority of the Govt. in support of existence of their manufacturing unit of CCTV equipment since last 5 years, Registration Certificate wherein the nature of business is indicated.
5	OEM should have online dedicated CCTV support centre available during working hours and a fully equipped repair and maintenance office in India. OEM document details to be submitted for the same.
6	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.
7	OEM should have an ISO 9001:2008 and ISO 14001:2004 for manufacturing process. Documents needed to be attached along with the bid
8	OEM should have own valid GST registration certificate
9	CCTV OEM should have its own company registered in India (under Incorporation of Companies Act, 1956/ 2013) since last 3 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.
10	The OEM of the IP Cameras, Storage and Software should not have been blacklisted and/or banned and/or imposed sanction upon by any country and/or any Government Department, globally
11	The OEM should not have been convicted for any fraudulent activity, globally
12	The OEM should not have been blacklisted and/or banned by ONVIF
13	ONVIF should not have suspended its support to the IP Camera OEM
14	OEM brand should have established in India for at least for 5 years. This has to be supported by necessary statutory documents like TM/brand registration certificate etc.

EMD & Payment Mode: -

EMD would be RS 30,000 on the name of **CEO , Jharkhand State Khadi Board** in the form of DD from any scheduled Bank along with tender document. EMD amount would be returned to those bidders who doesn't qualify in bid.

Payment Mode:- 90 % of total invoice value would be paid to successful bidder after delivery of the material and 5% rest of the amount would be paid after successful installation & 5% will release after 12 months of successful running of the installed device & equipment's.

Validity of the Tender

Quoted price would be valid for 180 days from the date of commercial bid.

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OFFICE OF THE CHIEF EXECUTIVE OFFICER
JSKVIB, UDYOG BHAWAN RATU ROAD, RANCHI - 834001

ANNEXURE-1

Bid :Proposal Sheet (Enclosed with Technical Bid)
Bidders Proposal Reference No. and Date:
Bidders Name and Address
Person to be contacted
Designation
Telephone No(s) Telex No.
Mobile No. (s)
Fax No.
To,

The Chief Executive Officer

Ranchi

Subject: Proposal for Supply, Installation and Commissioning of CCTV in Emporiums/Training Centres/Offices of Jharkhand State Khadi & Village Industries Board in Jharkhand, Ranchi.

Sir,

1. We, the undersigned Bidders, having read and examined in detail the Specifications and all the bidding documents as specified in the Bidding documents.
2. PRICE AND VALIDITY: All the prices mentioned in our proposal are in accordance with the terms as specified in bidding documents. All the prices and other terms and conditions of this proposal are valid for a period of 90 calendar days from the date of opening of the Bids. We are an Indian firm and do hereby confirm that our Bid prices include all taxes including Income Tax and Professional Tax. We have studied the Clause relating to Goods and Services Tax and hereby declare that if any Income Tax, Surcharge on Income Tax, professional Tax and other Corporate Tax is altercated under law, we shall pay the same.
3. Unit Rates we have indicated in the relevant schedules enclosed the unit rates and in case of any discrepancy in the unit price & the total price, the unit price shall prevail and the total price shall be corrected.
4. EMD: We have enclosed a Demand Draft in favour of Jharkhand State Khadi & Village Industries Board payable at Ranchi for a sum of Rs (30,000/-)(Rupes Thirty Thousand Only). This EMD is liable to be forfeited in accordance with the provisions of Bid documents. We declare that all Services/Works shall be performed strictly in accordance with the Scope of Work.
5. Bid Pricing: We further declare that the prices stated in our proposal are in accordance with your instructions to Bidders included in Bidding documents.
6. Bid Price: We declare that our bid prices are for the entire scope of the work as specified in the technical specification and bid documents. These prices are indicated in Annexure 2 attached with our proposal as part of the Commercial Bid. We hereby declare that our proposal is made in good faith, without collusion or fraud and the information contained in the proposal is true and correct to the best of our knowledge and belief.

Thanking you,
Yours faithfully,

(Signature)
Printed Name and Designation:
Seal:
Date:
Place:
Business Address :

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IP Camera

Technical Specification:-

Annexure- 1 "A"

2 MP IP Dome Camera with 30 mtr

Sr. No	Features	Specifications	Bidder Confirmation
1	Image Sensor	Min. 1/3"2MP Progressive Scan CMOS should supportable	
2	Effective pixel resolution	Min.1920(H) x 1080 (V)	
3	Min. Illumination	Min. 0.03 lux	
4	Shutter time	1/3 s to 1/100,000 s	
5	Lens	Min 3.6mm	
6	Day& Night	IR Cut Filter	
7	Back Light Compensation	should support BLC/HLC/DWDR	
8	S/N Ratio	Should be more than 50dB	
9	Gain Control	Should be Auto/Manual	
10	Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	
11	Video bit rate	32Kbps~16Mbps	
12	Basic AI Features	Should Support Motion Detection, Privacy masking(4areas) & ROI	
13	Ethernet Port	Min 1 Nos. of RJ 45 (10/100 Base -T)	
14	Etherner Protocol	HTTP,TCP,RSTP,RTP,UDP,DHCP,DNS,IPV4,ONVIF,CGI	
15	User Account	Min. 20 Users	
16	IR Distance	Should be Min. 30 Mtr	
17	Network Storage	Should support Local Storage,NAS (NFS)	
18	Power Consumption	Should be POE Supportable or run via 12V DC Power supply	
19	Opertting Tempature	should be Min. -30°C to +60°C	
20	Weatherproof Standards	Should be IP 67 Rating	

2 MP IP Bullet Camera with 30 mtr

Sr. No	Features	Specifications	Bidder Confirmation
1	Image Sensor	Min. 1/3"2MP Progressive Scan CMOS should supportable	
2	Effective pixel resolution	Min.1920(H) x 1080 (V)	
3	Min. Illumination	Min. 0.03 lux	
4	Shutter time	1/3 s to 1/100,000 s	
5	Lens	Min 3.6mm	
6	Day& Night	IR Cut Filter	
7	Back Light Compensation	should support BLC/HLC/DWDR	
8	S/N Ratio	Should be more than 50dB	

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9	Gain Control	Should be Auto/Manual	
10	Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	
11	Video bit rate	32Kbps~16Mbps	
12	Basic AI Features	Should Support Motion Detection, Privacy masking(4areas) & ROI	
13	Ethernet Port	Min 1 Nos. of RJ 45 (10/100 Base -T)	
14	Etherner Protocol	HTTP,TCP,RSTP,RTP,UDP,DHCP,DNS,IPV4,ONVIF,CGI	
15	User Account	Min. 20 Users	
16	IR Distance	Should be Min. 30 Mtr	
17	Network Storage	Should support Local Storage,NAS (NFS)	
18	Power Consumption	Should be POE Supportable or run via 12V DC Power supply	
19	Opertting Tempature	should be Min. -30°C to +60°C	
20	Weatherproof Standards	Should be IP 67 Rating	

8 Ch Network Video Recorder:-

Sr No	Features & Specification		Bidder Confirmation
1	Network Video Recorder shall provide a live view, storage and playback of minimum 8 IP camera or more and must be ONVIF with minimum support of 320 Mbps throughput Bandwidth.		
2	NVR should support H.265+/H.265, H.264+/H.264, MJPEG support		
3	It should have 1/4/8 channel display mode		
4	It should have 25fps @ 8MP		
5	Must support Resolution: 3840*2160, 1920×1080, 1280×1024,1280×720, 1024×768		
6	Must support recording resolution upto 8MP		
7	Must support Continuous, Alarm, Motion, Instant, Panic Recording Mode		
8	Must support two way audio , 1 ch Input/1 Ch Output		
9	When alarm recording is enabled and an event occurs, you can click the alarm icon on monitoring page to view the alert details. The snapshot function is supported on monitoring and playback page		
10	The Network Video Recorder (NVR) shall be configured to send email whenever a system message is created or an alarm event occurs. The email server shall be a valid SMTP server. Each recipient email address shall be configured to receive any combination of critical, warning, or informational messages or alarm notifications. When an alarm occurs, the email message includes the NVR name, time of alarm and a list of camera that is configured to record upon alarm		
11	It should support Network Support: HTTP, TCP/IP, SMTP, DHCP, DNS, DDNS, FTP, NTP, UPnP, Multi IP Setting. Convert multiple recording files to one avi/MP4 file.		
12	Intelligent auto power on when power resumes after power outage.		
13	Storage	2 sata It should be compatible for 30 days recording of 25fps @ 4MP, 2 SATA port , Each SATA port upto 6TB each	
14	Connectivity Interface :	1Nos. x 10/100/1000 Base-T Lan Port,	
15	Backup Interface :	Its should have 2 Nos USB port for backup.	
16	Video Output	1 HDMI, 1 VGA	
17	Web, Mobile app for alerts and viewing		
18	Protocols	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search, ONVIF 2.4, CGI Conformant	
19	Ethernet	1 RJ-45 Port (10/100/1000Mbps)	

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20	Max User Account	128 Users	
21	Power Supply :	Should support DC12V/2A	
22	Operating Condition :	10°C to 50°C, humidity 80% (max) (non-condensing)	
23	Standards :	CE, FCC, RoHS, UL Certified	

16 Ch Network Video Recorder:-

Sr No	Features & Specification		Bidder Confirmation
1	Network Video Recorder shall provide a live view, storage and playback of minimum 16 IP camera or more and must be ONVIF with minimum support of 320 Mbps throughput Bandwidth.		
2	NVR should support H.265+/H.265, H.264+/H.264, MJPEG support		
3	It should have 1/4/9/16 channel display mode		
4	It should have 25fps @ 8MP		
5	Must support Resolution: 3840*2160, 1920×1080, 1280×1024,1280×720, 1024×768		
6	Must support recording resolution upto 8MP		
7	Must support Continuous, Alarm, Motion, Instant, Panic Recording Mode		
8	Must support two way audio , 1 ch Input/1 Ch Output		
9	When alarm recording is enabled and an event occurs, you can click the alarm icon on monitoring page to view the alert details. The snapshot function is supported on monitoring and playback page		
10	The Network Video Recorder (NVR) shall be configured to send email whenever a system message is created or an alarm event occurs. The email server shall be a valid SMTP server. Each recipient email address shall be configured to receive any combination of critical, warning, or informational messages or alarm notifications. When an alarm occurs, the email message includes the NVR name, time of alarm and a list of camera that is configured to record upon alarm		
11	It should support Network Support: HTTP, TCP/IP, SMTP, DHCP, DNS, DDNS, FTP, NTP, UPnP, Multi IP Setting. Convert multiple recording files to one avi/MP4 file.		
12	Intelligent auto power on when power resumes after power outage.		
13	Storage	2 sata It should be compatible for 30 days recording of 25fps @ 4MP, 2 SATA port , Each SATA port upto 10 TB each	
14	Connectivity Interface :	2 Nos. x 10/100/1000 Base-T Lan Port,	
15	Backup Interface :	Its should have 2 Nos USB port for backup.(1 USB 2.0 & 1 USB3.0)	
16	Video Output	1 HDMI, 1 VGA	
17	Web, Mobile app for alerts and viewing		
18	Protocols	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search, ONVIF 2.4, CGI Conformant	
19	Ethernet	1 RJ-45 Port (10/100/1000Mbps)	
20	Alarm	4/2 Ch In/ Out	
21	Power Supply :	Should support DC12V/4A	
22	Operating Condition :	10°C to 50°C, humidity 80% (max) (non-condensing)	
23	Standards :	CE, FCC, RoHS, UL Certified	

Giga POE Switch

Sr no	Type
1	**8 Port Giga Poe Switch with 2 Giga Uplink 10/100/1000**
2	**16 Port Giga Poe Switch with 2 Giga Uplink 10/100/1000**

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Cat 6 Cable:-

Sr No	Features	Specification	Bidder Confirmation
1	Conductor	Solid Bare Electrolytic Grade Copper	
2	Insulation	Polyethylene (HDPE)	
3	Nominal Conductor Diameter	24 AWG	
4	Cross Filler	HDPE	
5	Pairing	Twisted into Two core	
6	Outer Sheath	PVC	
7	Operating Temperature	-20 to +55°C	
8	Storage Temperature	-20 to +75°C	
9	Colour of Sheath	Grey	
10	Packing	305 Mtrs	

Hard Disk :-

1	**4 TB**
2	**8 TB**

Network Rack

1	**4 U Rack**	NVR Rack with Fan & Pdu for power connectivity
2	**6 U Rack**	NVR Rack with Fan & Pdu for power connectivity
3	**9 U Rack**	NVR Rack with Fan & Pdu for power connectivity

LED Screen/Display:-

Sr no	Type	Make
1	21.5''& 32'' LED Display Full HD	Any branded with HDMI input with 5mtr HDMI Cable & wireless Mouse

Accessories required

Sr no	Type	Specification
1	CCTV Camera & NVR	Any Reputed brand/make
2	Surveillance HDD	Should be 4 TB for 8 ch & 6 TB for 16 ch NVR
3	1 KV UPS Offline	Any reputed brand/ make
4	CAT6 Cable	RJ45 Cable Any Reputed brand/make
5	LED Screen	21.5'' & 32'' LED Screen with HDMI & W. Mouse
6	Giga POE Switch	8 & 16 Port Giga POE Switch with 2 Giga uplink
7	UPS	1 KVA Double battery
8	Wiring charges	PVC 1'' Pipe with Shuddle, Band & Elbow Per meter including Fixing charges
9	Installation charges	Including fixing & configuring of Per IP camera in any site
10	Router	Dual Antena

Note :- Unit price of every item should be considered for financial bid

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Price Should be quoted as per below format:-

Financial Bid for IP Camera

Annexure – 1 "B"

Srl.no	Item with model no with small description	Brand/Make	Unit Price
1	**2 MP IP** Fixed Bullet Camera with IR 30 mtr, IP67 DWDR		
2	**2 MP IP** Dome Bullet Camera with IR 30mtr, IP67 DWDR		
3	**8 ch Network Video Recorder** with 2 SATA each support **8 TB**		
4	**16 ch Network Video Recorder** with 2 SATA each support **8 TB**		
5	Cat 6 RJ45 Cable Best quality Size- 305Mtr		
6A	4 TB Surveillance Hard Disk for 8 Ch NVR		
B	6 TB Surveillance Hard Disk for 16 Ch NVR		
7A	21.5'' LED Screen with Hdmi input for 8 ch NVR including HDMI & W-Mouse		
B	32'' LED Screen with Hdmi input for 16 ch NVR including HDMI & W-Mouse		
8A	8 Port Giga POE Switch 10/100/1000 with 2 Giga uplink		
B	16 Port Giga POE Switch 10/100/1000 with 2 Giga uplink		
9	1 KVA UPS Offline 1000va double battery with 2 yrs complete warranty		
10A	4 U NVR Rack with Fan & PDU		
B	6U NVR Rack with Fan & PDU		
C	9U NVR Rack with Fan & PDU		
D	Router Duel		
11	PVC 1'' Pipe with Shuddle, Band & Elbow Per meter including wiring charges		
12	Installation charges including configuring of Per IP camera with RJ45 connector		

Note: Clearly mention Unit Base Price, Qnty on Nos or Mtrs & GST will Charges Extra as per Govt. norms.
Warranty: Complete 2 year without delay within 48hrs -72 hrs otherwise 5% deducted from your payment.

Date: Authorized Signatory

Place: Company Name & their stamp

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HD Camera

Technical Specification of HD Camera for existing sites

Annexure- 2 "A"

1) 2.4MP HD IR colour Dome Camera 20mtr

Sr. No	Features	Specifications	Bidder Confirmation
1	Image Sensor	Min. 1/2.9"2.4MP PS CMOS Image Sensor should be there	
2	Colour View	must be color vision in night condition	
3	Min. Illumination	Min. 0.01 lux @(F2.1,AGC ON),Lux with IR	
4	Shutter time	in PAL Should be : 1/25 to 1/50,000s; in NTSC: 1/30s to 1/50,000s	
5	Lens	should be min 3.6mm	
6	White Balance	should support ATW/MWB/DWDR	
7	IR Range	min 20 Mtr IR range	
8	S/N Ratio	Min. 52db supported	
9	Back Light Compensation	must be supported	
10	Smart LED Feature	Support brightness Adustment,contrast, sharpness	
11	Opertting Tempature	should be Min. -30°C to +60°C	
12	Weatherproof Standards	Should be IP 66 Rating	

2) 2.4MP HD IR colour Bullet Camera 20mtr

Sr. No	Features	Specifications	Bidder Confirmation
1	Image Sensor	Min. 1/2.9"2.4MP PS CMOS Image Sensor should be there	
2	Colour View	must be color vision in night condition	
3	Min. Illumination	Min. 0.01 lux @(F2.1,AGC ON),Lux with IR	
4	Shutter time	in PAL Should be : 1/25 to 1/50,000s; in NTSC: 1/30s to 1/50,000s	
5	Lens	should be min 3.6mm	
6	White Balance	should support ATW/MWB/DWDR	
7	IR Range	min 20 Mtr IR range	
8	S/N Ratio	Min. 52db supported	
9	Back Light Compensation	must be supported	
10	Smart LED Feature	Support brightness Adustment,contrast, sharpness	
11	Opertting Tempature	should be Min. -30°C to +60°C	
12	Weatherproof Standards	Should be IP 66 Rating	

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3) 8 Channel 5MP Supported DVR

Sr. No	Features	Specifications	Bidder Confirmation
1	Processor	Should be embedded processor	
2	Operating System	Linux Based	
3	Camera Input	Should be 8ch AHD + 4IP camera	
4	Two way talk	should be 1 RCA	
5	Video Input port	min 8 ch BNC	
6	Video Output port	min 1HDMI & 1 VGA Should supported	
7	Compression	H.265+/H.265/H.264+/H.264 Supported	
8	video resolution supported	5M-N, 4M-N, 1080P, 1080N, 720P, 960H, D1, CIF	
9	Video Recording	Main Stream: 5M-N(1~10fps);4M-N/1080P(1~15fps); 1080N/720P/960H/D1/CIF (1~25/30fps) Sub stream:D1/CIF (1~15fps)	
10	Video Display Split	min. 1/4/8/9	
11	Bit Rate	Min. 32Kbps ~ 6144Kbps Per Channel supported	
12	Audio Input	Min. 1 channel, RCA	
13	Audio Output	Min. 1 channel, RCA	
14	Smart Features	Should support Motion Detection, Video Loss, HDD Faults	
15	Audio Compression	must be G.711A, G.711U, PCM	
16	Hard Disk	Min. 1 SATA Port with upto 6 TB Supported	
17	Trigger Events	should be Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips	
18	Playback	Should be Min. 1/4/8/9	
19	Recording Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop	
20	Search Mode	Time/Date, MD & Exact search (accurate to second)	
21	Playback Features	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup, selection, Digital zoom	
22	Backup Mode	should be from USB Device or from Network	
23	Interface Ports	min 2 USB Ports supported	
24	Max User Interface	min. 128 users supported	
25	Ethernet	Min. 1 nos. RJ45 port	
26	Protocols	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter ,DDNS, FTP, Alarm Server, P2P, IP Search, ONVIF 16.12, CGI Conformant	
27	Working Temp	min. -10°C ~ +45°C (+14°F ~ +113°F), 10 ~ 90% RH	

4) 16 Channel 5MP Supported DVR

Sr. No	Features	Specifications	Bidder Confirmation
1	Processor	Should be embedded processor	

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2	Operating System	Linux Based	
3	Camera Input	Should be 16ch AHD + 8IP camera	
4	Two way talk	should be 1 RCA	
5	Video Input port	min 16 ch BNC	
6	Video Output port	min 1HDMI & 1 VGA Should supported	
7	Compression	H.265+/H.265/H.264+/H.264 Supported	
8	video resolution supported	min. 4K, 5MP-N, 4M-N, 1080P, 1080N, 720P, 960H, D1, CIF supported	
9	Video Recording	Main Stream: 5M-N(1~10fps);4M-N/1080P(1~15fps); 1080N/720P/960H/D1/CIF (1~25/30fps) Sub stream:D1/CIF (1~15fps)	
10	Video Display Split	min. 1/4/8/9/16	
11	Bit Rate	Min. 32Kbps ~ 6144Kbps Per Channel supported	
12	Audio Input	Min. 1 channel, RCA	
13	Audio Output	Min. 1 channel, RCA	
14	Smart Features	Should support Motion Detection, Video Loss, HDD Faults	
15	Audio Compression	must be G.711A, G.711U, PCM	
16	Hard Disk	Min. 2 SATA Port with upto 6 TB Supported	
17	Trigger Events	should be Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips	
18	Playback	Should be Min. 1/4/8/9/16	
19	Recording Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop	
20	Search Mode	Time/Date, MD & Exact search (accurate to second)	
21	Playback features	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup, selection, Digital zoom	
22	Backup Mode	should be from USB Device or from Network	
23	Interface Ports	min 2 USB Ports supported	
24	Max User Interface	min. 128 users supported	
25	Ethernet	Min. 1 nos. RJ45 port	
26	Protocols	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter ,DDNS, FTP, Alarm Server, P2P, IP Search, ONVIF 16.12, CGI Conformant	
27	Working Temp	min. -10°C ~ +45°C (+14°F ~ +113°F), 10 ~ 90% RH	

Hard Disk :-

1	**4 TB Surveillance**
2	**6 TB Surveillance**

4U Rack

1	**4 U Rack**	DVR Rack with Fan & Pdu for power connectivity

6 U Rack

1	**6 U Rack**	DVR Rack with Fan & Pdu for power connectivity

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LED Screen/Display:-

Sr no	Type	Make
1	21.5''& 32'' LED Display Full HD	Any branded make with HDMI input with 5mtr HDMI Cable & wireless Mouse

Accessories required

Sr no	Type	Specification
1	CCTV Camera & DVR	Any Reputed brand
2	Surveillance HDD	Should be 4 TB for 8 ch & 6 TB for 16 ch NVR
3	1 KV UPS Offline	Any reputed make
4	Camera cable	RJ45 Cable
5	LED Screen	21.5'' & 32'' LED Screen with HDMI & W. Mouse
6	Power Supply	8 & 16 Port Giga POE Switch with 2 Giga uplink
7	UPS	1 KVA Double battery
8	Wiring charges	PVC 1'' Pipe with Shuddle, Band & Elbow Per meter including Fixing charges
9	Installation charges	Including fixing & configuring of Per IP camera in any site
10	Router	Dual Antena

Note :- Unit price of every item should be considered for financial bid

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Price Should be quoted as per below format:-

Financial Bid HD Camera

Annexure – 2 "B"

Srl.no	Item with model no with small description	Brand/Make	Unit Price
1	**2.4 MP HD** Fixed Colour Dome Camera with IR 20 mtr,		
2	**2.4 MP HD** Fixed Colour Bullet Camera with IR 20mtr		
3	**8 ch Digital Video Recorder** with 1 SATA support upto **6 TB**		
4	**16 ch Digital Video Recorder** with 2 SATA each support **6 TB**		
5	Camera cable 3+1 Full copper Standard Make No Local wire		
6A	4 TB Surveillance Hard Disk for 8 Ch DVR		
B	6 TB Surveillance Hard Disk for 16 Ch DVR		
7A	21.5'' LED Screen with Hdmi input for 8 ch NVR including HDMI & W-Mouse		
B	32'' LED Screen with Hdmi input for 16 ch NVR including HDMI & W-Mouse		
8A	Power Supply 12 V 10 amp		
B	Power Supply 12 V 20 amp		
9A	1 KVA UPS Offline 1000va double battery with 2 yrs complete warranty		
10A	4 U NVR Rack with Fan & PDU		
B	6U NVR Rack with Fan & PDU		
11A	BNC Connector + DC Jack for 8 nos camera with Camera Box		
B	BNC Connector + DC Jack for 16 nos camera with Camera Box		
11	Router dual Antena		
12	PVC 1'' Pipe with Shuddle, Band & Elbow Per meter including wiring charges		
13	Installation charges including fixing & configuring of Per HD camera		

Note: Clearly mention Unit Base Price, Qnty or Nos or Mtrs & GST will Charges Extra as per Govt. norms.
Warranty: Complete 2 year without delay within 48hrs -72 hrs otherwise 5% deducted from your payment.

Authorized Signatory

Date:

Company Name & their stamp

Place:

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