

Maulana Azad

National Institute of Technology Bhopal- 462 003

(An Institution of National Importance under MHRD, Govt. of India)



E-TENDER DOCUMENT

FOR

***SUPPLY & INSTALLATION OF CCTV CAMERAS FOR SURVEILLANCE
AND SECURITY IN THE INSTITUTE***

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National Institute of Technology Bhopal- 462 003

(An Institution of National Importance under MHRD, Govt. of India)

No. MANIT/S&P/2018: 05

Date:25/10/2018

NOTICE INVITING e-TENDER

Sub: ***Supply & Installation of CCTV Cameras for Surveillance and Security in the Institute.***

Maulana Azad National Institute of Technology (MANIT) is one of the leading institutions of national importance in the area of technical education, established with the objective of developing a “Centre of Excellence” in the central region. Its aim at becoming a multi-disciplinary Centre for technical education by strengthening both teaching and research activities besides contributing to the needs of rural community, society and industry at large.

Institute is fully funded by Ministry of Human Resource Development, Government of India and is governed as per provisions made under the National Institute of Technology, Science Education and Research Act 2007. (NITSER Act 2007).

E-Tenders in (two bid system) are invited for *Supply & Installation of CCTV Cameras for Surveillance and Security in the Institute*. Interested Manufacturers/Authorized Partner/Agencies may log on Institute website www.manit.ac.in for further details. Tender Document can only be downloaded after registration of bidder on the website <https://eprocure.gov.in/eprocure/app>.

Last date of receipt of complete tender document is 29/11/2018 up to 11.00 hours. The Director of the Institute reserves the right to accept or reject any or the entire tender in full or in part without assigning any reason whatsoever.

Registrar

IMPORTANT INFORMATION AT A GLANCE	
e-Tender No & Date	No. MANIT/ S&P/2018:05 Date: 25/10/2018
Scope of Tender	<i>Supply & Installation of CCTV Cameras for Surveillance and Security in the Institute</i>
Location of Supplies & Installation	MANIT- Bhopal & its premises.
Tender Document	Tender document can only be obtained free of cost after registration of bidder on the website: https://eprocure.gov.in/eprocure/app .
Date & Time of Pre-bid Meeting	19/11/2018 at 15:00 hours Institute Committee Room
Earnest Money Deposit (EMD)	Rs. 1,00,000.00 (One Lacs Only) by way of RTGS/NEFT or bank deposition only
Last Date & Time of Submission of Tender	29/11/2018 up to 11:00 hours
Date & Time of Opening of Technical Bids	30/11/2018 at 11:00 hours
Date & Time of Opening of Price Bids	Shall be informed after evaluation of Technical bid through website https://eprocure.gov.in/eprocure/app
Details of Contact Persons for Technical Query	
Dr. Praveen Kaushik Professor In Charge- Networking 0755- 4051303 kaushikp@manit.ac.in	Shri H. S. Chouhan Senior Technical Assistant 0755- 4051322 hschouhan1@rediffmail.com
Details of Contact Person for Commercial Query	
Shri Prashant Bhatnagar Sr. Superintendant 0755-4051055 prashantmanit1@yahoo.co.in	Shri Harish Vaidya Asstt. Registrar- Stores & Purchase 0755- 4051040 harishvaidya@manit.ac.in

CHAPTER-I	
INSTRUCTIONS TO BIDDERS	
1	<p>Location of Supply & Installation:</p> <p>a MANIT- Bhopal & its premises.</p> <p>b Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (So far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The bidder should make a comprehensive site survey in order to learn existing backbone infrastructure of the Institute in a large perspective so that the procured components must be fully compatible with existing network infrastructure.</p>
2	<p>Scope of Supplies & Work:</p> <p>a The surveillance equipments & accessories shall be supplied as per the Bill of Quantity (BoQ) ANNEXURE-3 and Technical Specifications mentioned in ANNEXURE-4.</p> <p>b The specifications of the surveillance equipments as mentioned in the ANNEXURE-4 are the requirements of tender, however higher specifications of surveillance equipments may be considered subject to their cost economics competitiveness in the financial terms for the particular location.</p> <p>c After the supply of surveillance equipments & accessories as mentioned in the ANNEXURE-3, the bidder has to execute its installation at the designated location(s) looking to synchronization and integrate seamlessly with MANIT existing networking infrastructure comprising of CISCO/Juniper or other make router, switches, firewall, wireless controller, operating systems/software etc. No extra cost shall be paid for these reasons. Bidders are advised to survey the site before quoting price.</p>
3	<p>Delivery of Supplies & Installation:</p> <p>a The purchaser interested for complete delivery of surveillance equipments along with Installation by bidder within 60 days (Sixty) from the date of issue of supply order. However, the bidder has an option to submit the best delivery time, but in any case the delivery should be before 75 days (Seventy five) from the date of issue of supply of order by purchaser.</p> <p>b The material shall be inspected on receipt at site and bidder shall be responsible for any damage during the transit of surveillance Equipments.</p> <p>c The insurance cover including insuring the goods against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery/ installation shall be obtained by bidder in his own name and not in the name of purchaser. The purchaser will as soon as possible but not late than 45 days (forty five) from the date of arrival of goods at destination shall notify the bidder of any loss or damage to the goods.</p>
4	<p>Warranty & After Sales Services:</p> <p>a The bidder shall offer on-site comprehensive warranty of surveillance</p>

		equipments for 03 years (Three) from the date of successful commissioning of equipments at the designated location & shall cover each and every part of the equipments including parts having limited life etc. The purchaser is not liable to pay any extra charges on any account during warranty period.		
	b	The bidder shall pay to the purchaser such compensations that may arise by reasons of the warranty there in contained but not attended by the bidder.		
	c	Any part or parts fail or proved defective within the on-site warranty period specified above, owing to defect in design, material or workmanship, the bidder shall have to replace them at the place of installation without asking for any charges.		
	d	During the warranty period, expert(s) shall be deputed at site by the bidder within three working days from the date of request from purchaser, to rectify and fixing the defects of equipments at the location where equipments installed. The cost of deputation of expert(s) and any other associated expenditure shall be borne by the bidder.		
	e	The bidder shall ensure to render after sales services during the warranty period to the satisfaction of purchaser.		
	f	The bidder should ensure to extend service & spare support at least for 02 years, after the specified warranty period at separate commercial terms mutually agreed upon.		
	g	The bidder will depute their engineer (s) within 24 hours to attend the service call received from purchaser.		
5	Tender & its Clarification:			
	a	The tender document can only be downloaded free of cost after registration of bidder on website: https://eprocure.gov.in/eprocure/app between start date and end date of tender.		
	b	A prospective bidder requiring clarification on the tender document may notify to the Professor In charge -Networking in writing, well before the due date of submission of bids, and a response will be sent in writing to the clarifications sought prior to the date of opening of the tenders after obtaining approval from competent authority.		
6	Amendment & Corrigendum:			
	a	At any time prior to the date submission of bids, the Purchaser, may, for any reason, whether at its own initiative or in response to a clarification sought by a prospective bidder, amend bid document by issuing corrigendum.		
	b	The corrigendum will be notified/ published in e-tendering website https://eprocure.gov.in/eprocure/app & Institute website only. Any corrigendum, addendum etc issued shall be part of this tender document and shall be made available on this e-tendering portal.		
	c	In order to afford prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the Purchaser may, at its discretion, extend the last date for the receipt of bids if required.		
7	Earnest Money Deposit:			
	a	The EMD of Rs. 1,00,000.00 (One Lacs Only) shall be remitted through RTGS/NEFT/ Bank deposition into Institute bank account as under:		
		Account Name	Bank Name	Bank A/c No.
		Director MANIT Bhopal	State Bank of India	10020150107
				Bank IFS Code
				SBIN0001608
		The bidder is instructed to submit the RTGS/ NEFT/ Bank deposition slip in along with Technical Bid to prove the transfer of payment to the purchaser's Account. The offers without EMD from the bidders shall be rejected.		

	b	The Purchaser shall not be liable for payment of any interest on EMD.
	c	Any request by the bidders to consider their EMD already furnished by them to any of the other office of the purchaser, for any other contract/ tender will not be considered as EMD for this tender.
	d	The EMD will be returned to the unsuccessful bidders soon after the orders are placed on the successful bidder.
8	Submission of Tender :	
	a	The all copies of the bid document shall be signed by owner or an authorized person with rubber stamp.
	b	The person signing the tender form or any other documents on behalf of the bidder shall be deemed to warrant that he has authority to bind the bidder. If it subsequently comes to light that the person so signed had no authority to do so, the purchaser may without prejudice to any other civil & criminal remedies cancel the tender and hold the bidder liable for all costs, charges and damages.
	c	The bidder is expected to examine all instructions, Forms, Terms & Conditions and Specifications in the tender document and to furnish with its bid all documents or information as required in tender document through e-tendering website i.e. https://eprocure.gov.in/eprocure/app . No documents shall be submitted in hard copy (s).
	d	The bidder is instructed to give their online offer through two bid system for this tender. i.e. Technical Bid and Price Bid.
	e	The Technical bid cover shall include/ certain all technical details & technical specifications, and also the commercial documents as mentioned in tender document for the supplies to be made and the services to be rendered EXCLUDING ANY PRICE DETAILS THEREOF.
	f	The Price bid cover shall certain only prices of the equipments offered for supply and the charges for the services to be rendered.
	g	Tenders received in open covers/ letters/ fax/ email will not be considered.
	h	Complete & concise bids (Technical & Price) must be uploaded on the website https://eprocure.gov.in/eprocure/app within the stipulated time frame of the tender.
	i	The Institute may, at its discretion, extend the deadline for the submission of bids by amending the tender documents, in which case all rights and obligations of the Institute and bidders previously subject to the deadline shall thereafter be subject to the deadline as extended. The prospective bidders are advised to remain in touch with website for any update in respect of their tender.
9	Technical Bid Submission:	
	Bidder should submit following documents sequentially duly signed along with technical bid:	
	a	ANNEXURE-1 & 2 duly filled & signed.
	b	ANNEXURE-3 & 4 duly signed and accepted.
	d	ANNEXURE-6 undertaking for participation.
	e	Copy of Certificate of Registration of Company/ firm/ Agency.
	f	Copy of valid GST Number and Income Tax PAN
	g	Proof of RTGS/ NEFT/ Bank deposition slip of Rs. 1,00,000.00 (One Lacs Only) towards Earnest Money Deposit.
	h	Copies of Purchase order/ work Completion certificate from any Central/State government organizations, PSU's, Universities, Hospitals, Government research Institute or other government organizations in India during the last 5 years ending

		31st March, 2018.
	i	ANNEXURE-7 Authorization Certificate from Original Equipment Manufacturer for Surveillance components.
	j	Authorization Certificate from Original Equipment Manufacturer for Passive Components.
	k	Copy of Profit & Loss Account / Chartered Accountant Certificate of last three years for assessing turnover.
	l	Copy valid ISO certificate from Original Equipment Manufacturer.
10	Price Bid Submission:	
	a	The bidder would have to quote the prices for the total scope of work in the ANNEXURE-5 . Partial quote are liable to be rejected.
	b	Purchaser (being a research Institution) is registered with the Department of Scientific & Industrial Research (DSIR) for the purpose of availing custom duty exemption in terms of GoI Notification No. 51/96-Customs dated 23 July 1996. The bidder should quote their prices considering the exemption certificate. If any certification needed by bidder, may be given to avail this benefit. In case of goods being of foreign origin, bidder is free to quote in Indian INR or foreign currency or both. In case of foreign currency, quoted price shall be of CIF basis. Further, for conversion RBI notified rate on date of price bid shall be applicable.
	c	The bidder shall take into account all costs including unloading at the location of purchaser, cartage etc. for giving delivery of material at site(s) before quoting the rates. In this regard no claim what so ever shall be entertained.
	d	The bidders are advised not to indicate any separate discount. Discount, if any, should be merged with the quoted unit prices. Discount of any type, indicated separately, will not be taken into account for evaluation purpose. However, in the event of such an offer, without considering discount, is found to be the lowest, the purchaser shall avail such discount at the time of award of contract.
	e	The price quoted in price bid shall be firm but subject to change in rate of applicable taxes if any.
	f	No extra payment shall be paid on account of any discrepancy in nomenclature of items. The bidder shall seek clarifications if any before submitting the tender.
	g	No representation for the enhancement of the prices of the accepted tender or alteration of the terms and conditions will be entertained till supplies are completed to the designated location.
11	Opening of Technical & Price Bid	
	a	The Technical Bid of tenders will be opened on 30/11/2018 at 11.00 hours.
	b	The Price bid of only technically qualified bidders will be opened on the stipulated due date. The date & time for opening of Price Bid shall be intimated to the technically qualified bidders through website https://eprocure.gov.in/eprocure/app or telephonically or email, after the evaluation of Technical Bid.
12	Withdrawal & re-submission:	
	a	The bidder, after submitting the tender, is permitted to withdraw and re-submission as per laid down the procedure given on Government CPPP up to the date and time of the tender through on-line only. Any such request received

		after prescribed date and time of receipt of tender will not be considered. No bid shall be withdrawn in the interval between the deadline for submission of bids and expiration of the period of bid validity. Withdrawal of bid during this period will result in forfeiture of the bidder's EMD and imposition of other sanctions.
13	Evaluation of Bids:	
	a	If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected.
	b	If there is an error in a total corresponding to the addition or subtraction of sub totals, the subtotals shall prevail and the total shall be corrected.
	c	If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
	d	To assist in the examination, evaluation, comparison of the bids and qualification of the bidders, the purchaser may, at its discretion, ask any Bidder for a clarification of its bid. Any clarification submitted by a bidder in respect to its Bid and that is not in response to a request by the purchaser shall not be considered. The purchaser's request for clarification and the response shall be in writing only.
	e	If a bidder does not provide clarifications of its bid by the date and time set in the purchaser's request for clarification, its bid may be rejected.
	f	The purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to supply order, without thereby incurring any liability to bidders. In case of annulment, all bids submitted and specifically bid document, EMD deposits shall be promptly returned to the bidders.
	g	The purchaser shall compare the evaluated prices of all substantially responsive bids to determine the lowest evaluated bid for a particular location. The comparison shall be on the basis of landed cost at individual destination.
	h	At the time the contract is awarded, the purchaser may increase the quantity of Equipments without any change in the unit prices or other terms & conditions of the bid and the bidding documents subject to the acceptance of bidder in writing for the same.
i	The purchaser have right to verify the particulars furnished by the bidder independently.	
14	Validity of Tender:	
	a	The tender shall be valid for a period of 90 days from the date of opening of the Technical Bid of tender. Terms and financial details submitted in the bid shall be treated as firm during the 90 days period.
	b	In exceptional circumstances, prior to the expiry of the bid validity period, the purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing.
15	Causes of rejection of Tender:	
	a	The bidder must be a single company, consortium will not be allowed.
	b	While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected.

	c	If any bidder stipulates any condition of his own, such conditional tender is liable to be rejected.
16	Forfeit of Earnest Money Deposit:	
	a	If any bidder withdraws his tender before the period of 90 days from the date opening of Technical Bid or makes any modifications in the terms and the conditions of the tender which are not acceptable to the purchaser, then the purchaser shall, without prejudice to any other rights or remedy, be at liberty to forfeit the EMD.
	b	The EMD will also be forfeited in following cases: <ul style="list-style-type: none"> i. If the bidder fails to accept the order based on his offer (bid) and within the prescribed time. ii. If the bidder fails to supply the Equipments with specifications as mentioned in Annexure –3 & 4 iii. If the bidder delays supplies beyond a reasonable time resulting in disruption of project. iv. Bidder for any reason whatsoever withdraws the tender after it is accepted or become unable or fails to execute the orders within stipulated delivery period. v. Submission of misleading/contradictory/false statement or information and fabricated/invalid documents is detected before or after the issue of order to execute the supplies.
17	Notification of Award:	
	a	Prior to the expiry of the period of bid validity, the purchaser shall notify the successful bidder, in writing, that its bid has been accepted. The notification letter shall specify the sum that the purchaser will pay to the bidder in consideration of the <i>Supply & Installation of CCTV Cameras for Surveillance and Security in the Institute</i> with the details of selected location.
18	Packing of Equipments:	
	a	The bidder shall provide packing of the equipments, as is required to prevent their damages or deterioration during the transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit. In case the consignment received with damaged packaging, the purchaser would not accept the delivery.
	B	The equipments shall be securely boxed, crated and protected from mechanical damage, moisture etc. suitable for both storage and transit according to the nature of the material and mode of transport. The bidder shall be responsible for any loss/ damage to material during transportation to the designated location.
19	Time Limit for Supply of Equipments, Installation, & Commissioning:	
	a	The bidder shall indicate the period within which the ordered quantity will be supplied along with Installation & Commissioning of Equipments. The bidder shall note that in case bidder fails to do so within the period of delivery indicated by the bidder in Technical Bid of this tender, penalty @0.5% of value of the order per week of delay would be levied subject to maximum 10 weeks. It means, the bidder shall have the liability of delayed supply to the maximum of 10 weeks after expiry of scheduled delivery date. After that the supply order shall be cancelled and EMD will be forfeited and bidder will be debarred from participation in any future tenders.
	b	The successful Bidder shall, within a week from the date of receipt of communication of acceptance of quotes from purchaser shall intimate his

		acceptance of the order. The successful bidder shall complete supplies strictly as per the accepted delivery period.
20	Terms of Payment:	
	a	The 60% payment of total bill will be made by purchaser after supply and installation of surveillance equipments along with proper laying of cable upon inspection report signed by Committee.
	b	Remaining 40% payment of total bill along with EMD deposit will be released to bidder after one month from the date of installation of surveillance equipments on submission Security Deposit of 10% total work order value for a period of five years by way of Bank Guarantee/ FDR/DD.
	c	All the payment to bidder shall be made by crossed account payee Cheque/ RTGS/ NEFT for which the bidder shall send bills in duplicate (Original + copy) giving the reference number of the purchase order along with copies of delivery note & satisfactory report on the Installation of surveillance Equipments, from Networking committee of the institute. The details about the authorized person to take the delivery of surveillance equipments shall be informed to the successful bidder through the supply order placed for the supply of surveillance equipments.
21	Claims:	
	a	If the specification of supplied surveillance equipments are found to be lower than those stipulated in the accepted offer, the purchaser shall have right to totally reject the supplied surveillance equipments to claim for compensation from bidder. The bidder shall reimburse to purchaser, the claim lodged in writing within 15 (fifteen) days of its demand. The bidder shall also compensate for losses, if any, sustained by purchaser due to defective packing and/or wrong marking of the surveillance equipments.
	b	The bidder shall be responsible for arranging the rejected surveillance equipments to be removed at his cost from purchaser premises.

CHAPTER-II	
ELIGIBILITY & QUALIFICATION CRITERIA	
1	The bidder should be a Company/Partnership firm/ Proprietary firm/ Agency with registered office in India and operation from at least 05 (Five Years) as on 31/03/2018
2	The Original Equipment Manufacturers (OEM) must have ISO certification for their establishment. The copy of the valid ISO Certificate shall be attached with the Technical Bid.
3	The average financial turnover during the last three consecutive financial years should be at least Rs. 1,25,00,000.00 (One Crore Twenty Five Lakhs) per year and should have positive net worth. Relevant supporting document like Profit & Loss Account/ CA certification must be submitted.
4	The EMD of Rs. 1,00,000.00 (One Lacs Only) shall be remitted through RTGS/NEFT/ Bank deposition into Institute bank account.
5	The bidder must have Income Tax PAN, GST Number. Copy of the same shall be attached.
6	The bidder should have experience in successfully execution/ executing work of similar nature during last 05 (five) years in any Central/State government organizations, PSU's, Government research Institute or other government organizations in India. (Bidder must submit copy of PO and Work Completion Certificate of the same from the Client in following manner. <ol style="list-style-type: none"> 1. One similar work costing not less than 30 Lakhs. OR 2. Two similar work costing not less than 20 Lakhs. OR 3. Three similar work costing not less than 15 Lakhs
7	The bidder should be OEM or Authorized Dealer/Distributor/System Integrator of the OEM of the offered product. Authorization Letter from OEM specific to this tender need to be submitted.
8	All CCTV active surveillance components shall be from same OEM.
9	The bidder should have a clean Track record, i.e. The Bidder should not have been black listed by any Govt. or Quasi- Govt/ Govt. Under taking companies in India at any point of time.
10	The bidders who have refused to execute any work order issued by MANIT in the past are disqualified from participating in this tender.
11	Bidder must have qualified & certified network Engineers/ Technician for implementation on their roll. No bidder is allowed to sub-contract any part of the work to any firm/party.

CHAPTER-III	
GENERAL CONDITIONS OF CONTRACT	
1	Abbreviations & Acronyms:
a	Abbreviations & Acronyms and Definitions used in this tender document shall be in accordance with GFR 2017 and Manual for procurement of Goods 2017.
2	Language of Bids:
a	The bids prepared by the Bidder and documents relating to the bids exchanged by the bidder and the Purchaser, shall be written in the English language only. Moreover, the printed literature/Technical details may be furnished in English/Hindi.
3	Standards of Performance:
a	The bidder shall perform the Services and carry out its obligations under the contract with due diligence, efficiency and economy, in accordance with generally accepted techniques and practices used in the industry and with professional engineering and consulting standards recognized by international professional bodies and shall observe sound management, engineering practices. It shall employ prudent technical and engineering practices. It shall employ advanced technology and safe and effective equipment, machinery, material and methods. The bidder shall always act, in respect of any matter relating to this contract, as faithful advisors to the client and shall, at all times, support and safeguard the client's legitimate interests in any dealings with third Parties.
4	Force Majeure:
a	In the event of any unforeseen circumstances directly interfering with the supply of goods/work/service arising during the execution of order such as war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, floods, earthquakes, explosions, epidemics, quarantine restrictions, strikes, lockouts, or acts of God, the bidder shall, within a week from the commencement thereof, notify the same in writing to the Purchaser with reasonable evidence thereof. Either party shall have the option to terminate the contract on expiry of 90 days of commencement of such force majeure by giving 14 days "notice to the other party in writing. In case of such termination, no damages shall be claimed by either party against the other.
5	Code of Ethics:
a	The purchaser as well as the Bidder shall observe the highest standard of ethics including laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988", during the Supply & Installation or execution of such contracts. If the bidders are found in bid pooling or against law against fraud and corruption then their firms may be blacklisted.
6	Address for communication:
a	All the communication with respect to the tender shall be addressed to: The Professor In charge- Networking Computer Science Engineering Department Maulana Azad National Institute of Technology- Bhopal- 462 003
7	Jurisdiction:
a	In the event of any dispute the legal matter shall be subjected to the jurisdiction of Bhopal court only.

BIDDER INFORMATION FORM

		Name of Agency→		
		Registered Complete Address→		
Year of Establishment→				
Type of Agency→ <small>Company / Partnership Firm/ /Proprietary Firm/</small>				
Name of Owner / Authorized Person→				
Contract No with e-mail ID→				
Details of Statutory compliances and its valid Numbers:				
SN	Particular	Number	Remarks	
1.	Bidder's Registration Gumasta License →			
2.	Income Tax PAN→			
3.	GST Number→			
4.				
Details of Bank Account :				
Beneficiary Name				
Bank Name		Branch		
Account Number		IFSC		

DECLARATION

It is certified that the information furnished in this form is complete and correct to the best of our knowledge & belief.

Signature of authorized Person and Seal

		ANNEXURE- 2	
PRIMARY COMMERCIAL COMPLIANCE STATEMENT			
Ref:	Tender Document No: S&P/2018/05 dated 25/10/2018		
SN	Institute Requirement as per tender document	Compliance	Deviation if any
		Yes/ No	
1	Copy of Certificate of Registration of Company/ Firm/ Agency		
2	Copy of valid PAN and GST No:		
4	EMD of Rs. 1,00,000.00 (One Lacs only)		
5	Undertaking for participation ANNEXURE-6		
6	Authorization Certificate from Original Equipment Manufacturer for components ANNEXURE-7		
7	Authorization Certificate from Original Equipment Manufacturer for Passive Components		
8	Copy valid ISO certificate OEM/ Bidder		

Details of all ongoing & completed contracts during the last three years as per eligibility & qualification criteria in Chapter-II. (Copies of Purchase order / Work Completion Certificate must be attached)					
SN	Name of the organization with address	Period of Contract		Nature of Work	Value of Contract
		From	To		
1					
2					
3					
4					
5					
Details of financial Turnover during last three year Rs. 1,25,00,000.00 (One Crore and Twenty five Lakhs Only) (Please attach copy of Profit & Loss Accounts/ Chartered Accountant Certificate)					
Financial Year		Amount (in Lakhs)		Remarks, if any	
2016-17					
2015-16					
2014-15					

Seal & Signature of Bidder

Bill of Quantity

Ref:	Tender document No: S&P/2018/05 dated: 25/10/2018		
SN	Description of item	Quantity	Technical Specification reference
1	4 MP Bullet Network Camera with cyber security provisions Including • Mounting Bracket • Complete Installation and setup • With 3 Years Warranty including RMA support	45 Nos.	Annexure 4(i) Enclosed
2	4 MP ANPR Camera with cyber security provisions Including • Mounting Bracket • Complete Installation and setup • ANPR camera management software • With 3 Years Warranty including RMA support	4 Nos.	Annexure 4(ii) Enclosed
3	2 MP PTZ Camera with cyber security provisions Including • Mounting Bracket • Complete Installation and setup • With 3 Years Warranty including RMA support	5 Nos.	Annexure 4(iii) Enclosed
4	32 Channel 4K Network Video Recorder 4 SATA Including • Central Management Software (CMS) • Complete Installation and setup • With 3 Years Warranty including RMA support	2 Nos.	Annexure 4(iv) Enclosed
5	Server with Microsoft Windows Server 2012 R2 Essential (5 users license) • With 3 Years Warranty including RMA support	1 Nos.	Annexure 4(v) Enclosed
6	6 Core armound Fiber Cable Including • Messenger wire laying & installation • Splicing • Installation and labor charge • Helix angle and fiber ring	5500 Meter	Annexure 4(vi) Enclosed
7	Media Convertor with installation	25 Pair	Annexure 4(vii) Enclosed
8	CAT 6 STP Cable(305mtr roll) Including • Laying • Installation and labor charge	5000 Meter	Annexure 4(viii) Enclosed
9	Fiber Patch Cord SC-SC	14 Nos.	Annexure 4(ix) Enclosed
10	RJ 45 connector (100 in one box) with installation	2 Box	Annexure 4(x) Enclosed
11	Display Monitor 49/55"	4 Nos.	Annexure 4(xi)

	• With 3 Years Warranty including RMA support		Enclosed	
12	POE switch 4-port	15 Nos.	Annexure Enclosed	4(xii)
13	POE switch 8-port	7 Nos.	Annexure Enclosed	4(xiii)
14	4TB hard Disk	8 Nos.	Annexure Enclosed	4(xiv)
15	Electric cable 2 core 1.50 sq mm with laying and installation	3500 Meter	Annexure Enclosed	4(xv)
16	Power adapter for Camera	25 Nos.	Annexure Enclosed	4(xvi)
17	Power socket with 2 pin points with installation	30 Nos.	Annexure Enclosed	4(xvii)
18	Fully Loaded Rack 9U with installation	1 Nos.	Annexure Enclosed	4(xviii)
19	Pole with installation for ANPR camera	4 Nos.	Annexure Enclosed	4(xix)
20	Three years comprehensive AMC for Item No. 1 to 19.	--	Annexure Enclosed	4(xx)
Note:				
1	All the Equipments/Accessories/Components/ Software/ License which are provided by default by the manufacturer must be supplied along with the devices.			
2	Three years (03) on-site warranty is required to cover all devices.			

Details of Technical Specifications of Surveillance Equipments

Ref: Tender document No: S&P/2018/05 dated: 25/10/2018.

Annexure 4(i) : 4 MP Bullet Network Camera with cyber security provisions Including (Complete Installation and setup)

SN	Required Minimum Specification		Compliance (Yes/ No)	Make and Model No.	Specification/Data Sheet/Brochure, if any
	Parameters	Specifications			
1	Imaging Device	Ƴ 1/3" 4 Megapixel progressive scan CMOS			
2	Imager Type	CMOS			
3	Imager Readout	Progressive scan			
4	Maximum Resolution	4 MP - 2688 × 1520			
5	ONVIF	Profile S & G			
6	Minimum Illumination (May vary depending on the lens)	0.03 lux color @ F1.4(Color, 1/3s, 30 IRE)			
		0 lux B/W with IR LEDs on @ F1.4			
7	Day/Night Method	Auto (ICR)/Color/BW			
8	Signal-to-Noise Ratio	45 dB			
9	Electronic Shutter Range	Auto/Manual, 1/3(4)~1/10000s			
10	White Balance Range	Auto/Natural/Street Lamp/Outdoor/Manual			
11	Dynamic Range	120 db minimum			
12	Back light compensation	BLC / HLC /WDR(120dB)			
13	Digital Noise Reduction	3DNR			

14	SMART IR	Auto/Manual			
15	Privacy Zone	Up to 4 configurable zones			
16	Motion Detection	Up to 4 configurable zones			
17	DIGITAL ZOOM	16x			
18	Focal length	2.8- 13.5 MM			
19	POWER SUPPLY	PoE (802.3af) Class 0, 12 VDC			
20	12VDC / 24VAC	Yes(auto-selection)			
21	INGRESS PROTECTION	IP66			
22	IR Range	Up to 98 ft (30 m),			
23	Regulatory for Camera, Housing & IR Illuminator				
24	CE / FCC	Yes(EN)			
25	UL	Yes			
26	Three years warranty including Return Merchandise Authorization (RMA) Support				

Annexure 4(ii) : 4 MP ANPR Camera with cyber security provisions Including (Mounting Bracket+ Complete Installation and setup + ANPR camera management software)

SN	Required Minimum Specification		Compliance (Yes/ No)	Make and Model No.	Specification/Data Sheet/Brochure, if any
	Parameters	Specifications			
1	video standard	NTSC/PAL			
2	scanning system	Progressive scan			
3	image sensor	1/3" 4 MP CMOS			
4	number of pixels (h×v)	2688×1520 (4 MP)			
5	minimum illumination	0.1 lux, F1.4 (color) 0 lux (B/W with			

		IR LEDs on)			
6	electronic shutter speed	1/3–1/100 000 s			
7	IR distance	Up to 164 ft (50 m)			
8	day/night	Auto(ICR)/Color/BW			
9	backlight compensation	BLC/HLC/WDR (120 dB)			
10	noise reduction	3DNR			
11	privacy masking	Up to 4 areas			
12	motion detection	Up to 4 areas			
13	lens	2.7–13.5 mm, MFZ, F1.4			
14	horizontal angle of view	86°–30°			
15	video compression	H.264/H.264H/H.264B/MJPEG			
16	frame rate	20 fps @ 2688×1520			
17	bit rate (h.264)	32 Kbps – 10 Mbps			
18	Ethernet	RJ-45 (10/100Base-T)			
19	protocols*	IPv4/IPv6, HTTP, HTTPS, SSL,TCP/IP, UDP, UPnP, ICMP, IGMP,SNMP, RTSP, RTP, SMTP, NTP,DHCP, DNS, PPPoE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1X			
20	max. user access	20 users			
21	power supply	PoE IEEE 802.3af Class 0, 12 VDC			
22	power consumption	12.5 W max.			
23	construction	Die-cast aluminum housing with powder coat			
24	temperature	–30°C to 60°C			
25	relative humidity	0–95%, non-condensing			
26	ingress protection	IP66			
27	emissions	FCC Part 15, CE (EN 55032)			

28	immunity	CE (EN 50130-4)			
29	safety	UL Listed to UL/CSA 60950-1, CE (EN 60950-1)			
30	Three years warranty including Return Merchandise Authorization (RMA) Support				

ANPR camera management software

1	Real time detection & recognition of vehicle license plates			
2	Reliable performance, accuracy, low false positives			
3	Standard formats of license plates, Roman characters only.			
4	Black list & White list Configuration			
5	Capture of license plate with Car image.			
6	Capture of license plate with Driver image			
7	Ingress without Egress – Alarms on Timeout			
8	Daily reports for Ingress & Egress in PDF			
9	Integration required to trigger 3 rd party Systems			

Annexure 4(iii) : 2 MP PTZ Camera with cyber security provisions Including (Mounting Bracket + Complete Installation and setup)

SN	Parameters	Specifications	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	Imaging Device	1/2.8" Exmor CMOS			
2	Imager Type	CMOS			
3	Imager Readout	Progressive scan			
4	Maximum Resolution	2MP - 1920x1080			
6	ONVIF	Profile S & G			
7	Minimum Illumination	0.005 lux (color)/0 lux (B/W) @ Auto			

	Day/Night Method	(ICR)/Color/BW			
8	Signal-to-Noise Ratio	50 dB (AGC off)			
9	Electronic Shutter Range	1/1 to 1/30,000 sec			
10	White Balance Range	Auto/Indoor/Outdoor/ATW/Manual			
11	Dynamic Range	120 db minimum			
12	Back light compensation	BLC / HLC /WDR(120dB)			
13	Digital Noise Reduction	2D/3D			
14	SMART IR	Auto/Manual			
15	Privacy Mask	24			
16	Motion Detection	On/off			
17	DIGITAL ZOOM	25 X ZOOM			
18	Focal length	4.8 mm – 120 mm			
19	Angle of view	H: 59.2° – 2.4°			
20	Network	RJ-45 (10/100Base-T)			
21	Power Input	PoE/12VDC/24VAC			
22	Power Consumption	13 W; 20 W max (IR LEDs on)			
23	EVENT NOTIFICATION	Record (SD card and FTP), Relay output, Email, Preset, Tour, Pattern,Snapshot			
24	Security	User account and password, 802.1x, Digest authentication, User access log, Hardware security chipset protection			
25	Local Storage	Micro SDHC Max 128GB			
26	IR Range	328 ft (100m)			
27	Focus	Auto Focus			
28	VIDEO COMPRESSION	H.265 / H.264 / MJPEG			
29	Video Streams	Primary Stream: 1080p/720p @ 60/50			

		FPS,2nd Stream: D1/CIF @ 30/25 fps3rd Stream: 720p/D1/CIF @ H.265 / H.264 / MJPEG,Primary Stream: 1080p/720p @			
30	Frame Rate	60/50 FPS			
31	Three years warranty including Return Merchandise Authorization (RMA) Support				

Annexure 4(iv) : 32 Channel 4K Network Video Recorder 4 SATA Including (Central Management Software (CMS)+ Complete Installation and setup)

SN	Minimum Required Specification	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	Should support 4K ultra HD resolution (3840 x 2160) for recording, live viewing and playback			
2	Supports up to 16alarm input channels and 6 alarm relay output channels			
3	Supports recording a video clip of events for distribution			
4	Configurable to automatically detect and respond to motion in the scene, alarm inputs, and network failure or tampering			
5	Supports visual or auditory notifications (a flashing light, bell, or siren)			
6	2 HDMI/VGA simultaneous video outputs (the second HDMI output is programmable)			
7	Supports sending notifications through email, FTP, and/or HTTP			
8	Supports uploading still images at the time of the event through email and/or FTP			
9	Maximum incoming and outgoing bandwidth of 320 Mbps			
10	Supports fisheye video de-warping in local and web user interface			
11	MAIN PROCESSOR Quad-core embedded processor			
12	Operating System –Embedded LINUX			
13	Audio input/output 1 Channel Input/1 Channel Output, RCA			

14	TWO –WAY Communication Supported			
15	2 HDMI (1 HDMI up to 3840 ×2160); 1 VGA			
16	Camera title; Time; Video loss; Camera lock; Motion detection; Recording			
17	Programmable Video Output 2 nd HDMI Output			
18	Fish Eye video DE- Warping			
19	Compression - H.265/H.264/MJPEG/MPEG4			
20	BIT Rate – 16kbps-20MBPS			
21	Recording Mode - Schedule (Regular/Continuous, Motion Detection, Alarm); Manual; Stop			
22	Recording Interval 1 to 120 Minutes			
23	Pre Event Recording Interval 1 to 30 seconds			
24	Resolution - 12MP/8MP/6MP/5MP/4MP/3MP/1080P/720P/D1 & etc.			
25	Post Event Recording Interval 10 to 300 seconds			
26	Trigger Event - Recording; PTZ; Tour; Alarm; Video Push; Email; FTP; Snapshot; Buzzer			
27	Video Detection - Motion Detection—MD Zones: 396 (22 × 18); Video Loss; Camera Blank			
28	Search Mode - Time/Date; Alarm; Motion Detection(MD); Exact Search (accurate to a second); Smart Search			
29	Play Back Function - Play; Pause; Stop; Rewind; Fast play; Slow play; Next File; Previous File; Next Camera; Previous Camera; Full Screen; Repeat; Shuffle; Backup selection; Digital Zoom			
30	Backup Mode Computability - USB Device; Network; Internal SATA burner; eSATA Device			
31	Network throughput - Input 320 Mbps; Output 320 Mbps			
32	User Access - 128 users			
33	Internal hdd – 8 SATA ports, up to 32 TB			
34	External hdd 1 eSATA port			

35	Three years warranty including Return Merchandise Authorization (RMA) Support			
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Central Management Software (CMS)				
SN	Minimum Required Specification	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	Support Maximum 900 Channels			
2	Support 64 live view windows			
3	DEVICE MANAGEMENT - Auto find, add, delete, device group; reboot, setup			
4	USER MANAGEMENT - Privileges set based on user and role, according to module & device			
5	HEALTH REPORT - Device status, alarm info, HDD info			
6	VIDEO DISPLAY SPLIT - 1/4/9/16/25/36/64, customized split			
7	LIVE VIEW SCREEN - Maximum 4			
8	PTZ CONTROL - Pan/Tilt/Zoom/Focus/Iris/Preset Tour/Pattern			
9	LIVE VIEW OPERATION - Snapshot, record, audio, talk, instant playback, E-PTZ, tour task			
10	VIDEO PLAYBACK - Local PC (Manual record or alarm record), device itself			
11	MAX PLAYBACK CHANNELS - 36			
12	SEARCH TYPE - Time, Motion Detection, Alarm, Smart Search			
13	LOCAL RECORDING - Yes			
14	E-MAP -Supported with 64 layouts			
15	E-MAP FORMAT - JPEG/BMP			
16	ALARM TYPE - External Alarm, Video Loss, Motion Detection, Tampering, Disk Full or Error			
17	ALARM TRIGGER - Recording/PTZ control/Relay out			

18	VIDEO EXPORT - Export as .avi/.mp4/.asf/.dav			
19	CPU - Minimum Intel i3, Recommended Intel i5 or above			
20	MEMORY - Minimum 2GB, Recommended 4GB or above (for 64ch live view)			
21	GRAPHIC CARD - Intel HD Graphics 4400 equivalent or above			
22	HARD DRIVE - 80GB free space or above			
23	OS - Window XP /7/8/10, 32/64 bit, DirectX 9.0 or above			
24	SCREEN RESOLUTION - 1024 x 768 or above			

Annexure 4(v) (a) : Server with Microsoft Windows Server 2012 R2 Essential (5 users license)

SN	Parameter	Specifications	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	Form factor	2U or lower			
2	Chipset	Intel C610 or better			
3	Processors	Intel Xeon processor E3 3.1 Ghz 8MB/80w, 4 Core			
4	Cache	2.0MB L3 per core			
5	Memory	32GB DDR 4 support up to 128 GB , up to 1600MT/s Support			
6	Hard Drives	1 TB Hot Plug HDD			
		Should support up to eight hard disk drives (SAS, SATA, nearline SAS SSD: SAS, SATA)			
7	External Storage	Dual Port 8/16 G FC Host Bus Adapter			
8	PCI Slots (I/O)	7 x PCIe 3.0 slots			
9	NIC Embedded	Broadcom® 5720 dual-port 1Gb LOM			
10	Supported NIC (optional)	Quad Port 1GbE BASE-T or Dual Port 10GbE BASE-T with 2 x 1GbE or Dual Port			

		10GbE SFP+ with 2 x 1GbE			
11	Redundant Power Supply	Yes			
12	PSU Output	High-efficiency, hot-plug, Platinum Efficient redundant power supplies			
13	Warranty	3 Years Onsite - 24x7 - NBD onsite response			
14	Regulatory Certificate	FCC Class A			
15	Microsoft Windows Server 2012 R2 Essential (5 users license)				
16	Three years warranty including Return Merchandise Authorization (RMA) Support				

Annexure 4(vi) : 6 Core Arround Fiber Cable Including(Messenger wire laying & installation laying + Splicing + Installation and labour charge + Helix angle and fiber ring Security)

SN	Minimum Required Specification	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	Fiber cable should have 6 core of 9/125um with single mode			
2	Joining fiber cable core at both end			

Annexure 4(vii) : Media Converter with installation

SN	Minimum Required Specification	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	Standard IEEE 802.3u 100Base-Tx/FX			
2	Wavelength Supported Tx/RX : 1310/1550 and Tx/RX : 1550/1310			
3	Connector Type Fiber : Single Mode Single Fiber (SC Type) Copper : RJ45			
4	Auto MDI/MDIX Automatic identification of MDI/MDI-X cross line			
5	Data Rate 100Mbps			

6	Cable Type Fiber (Single Mode): 8.3/125, 8.7/125,9/125 or 10/125im Copper : Cat 5 twisted-pair cable			
7	Maximum Cable Distance Coverage Copper : 100 meters Fiber : single fiber 20km			
8	Power Supply Parameter 5V DC 1A (External Adapter)			
9	Operating Temperature 0C to 60C			
10	Relative Humidity 5% - 90%			
11	Warranty 1 Year Warranty			
12	LED Indicators PWR, Link/Act, DUP, SD			

Annexure 4(viii) : CAT 6 STP Cable(305mtr roll) Including(Laying+ Installation and labour charge)

Cat 6 SFTP Cable				
SN	Minimum Required Specification	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	Conductor : 23AWG Solid Bare Cable			
2	Central Element : PE Cross Separator			
3	Insulation : High Density Polyethylene Solid			
4	Pairs : 4 Pairs Twisted Together			
5	Shielding : Aluminum/Polyester Foil			
6	Overall Sheath : Tinned Copper Braiding			
7	Cable Diameter : 6.80 mm Nominal			
8	Rip cord : Yes			
9	Jacket : FRPVC/LSZH sheath			
10	Jacket Color : Light Grey			

11	Bending Radius : < 8X Cable Diameter at -20°C +/- 1°C			
12	Pulling Force : 25.35 LBS			
13	Operating Temperature : (-20°C to +70°C) Range			
14	Installation Temperature : (-20°C to +70°C) Range			
15	Flame Rating : Flammability Tests- IEC 60332-1			
	Acid Gas Emission Test- IEC 60754-1			
	Smoke Density Test- ASTM 2843			
16	Packing : Reels of 305m Length			
17	Conductor Resistance : 9.38OHM			
	(For 100M)			
18	Mutual Capacitance : 5.6NF (For 100M)			
19	Resistance Unbalance (%) : Max 5			
20	Capacitance Unbalance : 330PF (For 100M)			
21	Capacitance Unbalance : 330PF (For 100M)			
22	Delay Skew (For 100M) : 45NS			
23	Propagation Delay Skew : 536NS (For 100M)			
24	Current Rating : MAX 1.5A			
25	Operating Voltage : 72V			
26	Dielectric strength : 2.5 KVDC for 2 SECS			

Annexure 4(ix) : Fiber Patch Cord SC-SC

SN	Minimum Required Specification	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	All optical fiber patch leads shall comprise of Single mode 9/125µm fiber with SC-SC fiber connectors terminated at each end. The optical fiber patch leads shall comply with the following applications:			
2	Optical Fiber – Corning Single Mode			

3	Connector: Zirconia ceramic ferrule			
4	Pre-radiuses and pre-polished ferrule			
5	Color-coded Yellow for SM			
6	Insertion Loss - <0.2 db			
7	Cable: 9/125, SM			
8	Repeatability - < 0.2 db			
9	Durability – 1000 mating cycle			
10	Working Temp : -40 deg C.to + 85 deg. C			
11	Standard : G652D, G 657A & G 657B			

Annexure 4(x) : RJ 45 connector (100 in one box) with installation

SN	Minimum Required Specification	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	RJ 45 connector for joining CAT6 cable			

Annexure 4(xi) : Display Monitor 49/55"

SN	Parameters	Specifications	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	Technology	LED Direct			
2	Size in inches	49"			
3	Native Resolutions	1920x1080 (FHD) or better			
4	Dynamic Contrast Ratio	1,000,000:1 (DTV Label only)			
5	Brightness	400 Nits or above			
6	Viewing angle	178° x 178° or more			
7	Minimum inbuilt Ports	2-USB ports ,1-HDMI (MHL- Compatible			

	Required),1-RJ45 (Ethernet),AV-In,1-Audio Input,Analog (PAL/SECAM),1-IR Receiver,1- Rs-232(D-Sub 15 pin) PC,2-RF-In			
8	Orientation	Portrait & Landscape			
9	Audio (Capacity of Speaker)	Minimum 10 Watts x 2 or more			
10	Additional Features	Sound Syn/Bluetooth,Smart Energy Saving mode,Fail Over Feature/Auto Selection,Real time clock,Auto Brightness Sensor,Wi-Fi built-in ,USB Cloning,Contents Scheduling, Web OS(3.5), Pre-loaded Apps (You Tube only),Web Browser,Screen Share (Miracast),Smart Share (DLNA)			
11	Power Supply	100 - 240 Volt, 50-60 Hz			
12	Power Consumption (Typ)	115 Watts or less			
13	Energy Saving Technology	Required			
14	Wall mounted Kit with all accessories required	Required free of cost at the time of installation at each site.			
15	Guaranteed Operation Hours	16 Hours per day			
16	Certification	BIS ,FCC,UL, Energy Star 6			
17	Warranty	3 years On-Site Comprehensive Warranty			
18	Authorization	OEM Authorized MAF required particular for this Tender			
17	Box Should Contain	LED Display unit, Base Standard Stand, Remote Control, Power Cable, etc.			
18	Three years warranty including Return Merchandise Authorization (RMA) Support				

Annexure 4(xii) : POE switch 4-port

SN	Parameters	Specifications	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	PoE Port	4 x 10/100 Mbps, RJ-45 ports			
2	Uplink Port	1 x 100M Ethernet Port			
3	Network Protocol	IEEE802.3, 802.3u, 802.3x, 802.3af, 802.3at			
4	Switching Capacity	1 Gbps			
5	Max. Forwarding Rate	0.74 Mpps			
6	High Priority Ports	Port 1			
7	Forwarding Mode	Store-and-forward			
8	MAC Address Table	1k			
9	Flow Control	IEEE 802.3x full duplex			
10	PoE Standard	4 ports IEEE802.3af (up to 15.4 W per port) or 2 ports IEEE802.3at (up to 30 W per port)			
11	PoE Power Budget	58 W			
12	Working Mode	Extend On: 250 m, 10M, CAT 5e , Extend Off: 100 m			
13	Power Supply	51 VDC, 1.25 A			
14	Power Consumption	≤63 W			
15	Surge Protection	4 kV			
16	Working Temperature	32° F to 104° F (0° C to 40° C)			
17	Working Humidity	10% to 90% , non-condensing			
18	Storage Temperature	-40° F to 158° F (-40° C to 70° C)			
19	Storage Humidity	5%-90% , non-condensing			

Annexure 4(xiii) : POE switch 8-port

SN	Parameters	Specifications	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	PoE Port	8 x 10/100 Mbps, RJ-45 ports			
2	Uplink Port	1 x 100M Ethernet Port			
3	Network Protocol	IEEE802.3, 802.3u, 802.3x, 802.3af, 802.3at			
4	Switching Capacity	1 Gbps			
5	Max. Forwarding Rate	0.74 Mpps			
6	High Priority Ports	Port 1			
7	Forwarding Mode	Store-and-forward			
8	MAC Address Table	1k			
9	Flow Control	IEEE 802.3x full duplex			
10	PoE Standard	4 ports IEEE802.3af (up to 15.4 W per port) or 2 ports IEEE802.3at (up to 30 W per port)			
11	PoE Power Budget	58 W			
12	Working Mode	Extend On: 250 m, 10M, CAT 5e , Extend Off: 100 m			
13	Power Supply	51 VDC, 1.25 A			
14	Power Consumption	≤63 W			
15	Surge Protection	4 kV			
16	Working Temperature	32° F to 104° F (0° C to 40° C)			
17	Working Humidity	10% to 90% , non-condensing			
18	Storage Temperature	-40° F to 158° F (-40° C to 70° C)			
19	Storage Humidity	5%-90% , non-condensing			

Annexure 4(xiv) : 4TB hard Disk

SN	Minimum Required Specification	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	Type : Internal			
2	Form Factor : 3.5			
3	Capacity : 4 TB			
4	Hardware Interface: SATA			
5	OS Supported: Windows, Linux			
6	SATA Transfer Rates Supported: 6 Gb/s			
7	Load/Unload Cycles: 300,000			
8	Rpm : 5400			

Annexure 4(xv) : Electric cable 2 core 1.50 sq mm with laying and installation

SN	Minimum Required Specification	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	Size	2.5 sq mm		
2	Core	2 Core		
3	Length	100 mtr		
4	Conductor Material	Copper		
5	Colour	Black/White		
6	Material	PVC Insulated		
7	Current Rating AC	20 Amp		
8	Resistance (Max.) per Km at 20° C	7.98 ohm		
9	Number/Nom. Dia of Wires* (Nom.)	50/0.25 mm		
10	Thickness of Insulation (Nom.)	0.7 mm		
11	Nominal Thickness of Sheath	1.0 mm		
12	Max. Overall Diameter	9.1 mm		

Annexure 4(xvi) : Power adapter for Camera

SN	Minimum Required Specification	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	Output: 12V DC 2 Amp			
2	Input: 100-240 VAC 50/60Hz			
3	Uses 2.1mm Plug - Universal Standard for CCTV and IP Cameras			
4	Switching Power Supply			
5	Fully Regulated			

Annexure 4(xvii) : Power socket with 2 pin points with installation

SN	Minimum Required Specification	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	Electrical modular Board With electrical wiring, two switches and two 5Amp socket			

Annexure 4(xviii) : Fully Loaded Rack 9U with installation

9U Rack Wall Mount				
SN	Minimum Required Specification	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	Racks manufactured out of steel sheet punched, formed, welded and Powder coated			
2	Rack should be from ISO 9001:2008 & ISO14001:2004 Certified Company & UL Listed			
3	Standard for Racks configuration will be welded frame integrated with side panel and vented top cover			
4	Rack should have Front Toughened Glass Door with lock & Key			
5	Rack should have provision to mount racks on wall.			
6	Rack should be 9U(1U=44.45 mm) in Height, 550MM Width, 400MM Depth and overall height 481 MM.			

7	Rack should Conform to DIN 41494 or Equivalent EIA /ISO / EN Standard			
8	Rack should have Adjustable mounting depth,			
9	Rack 2 No Adjustable, 19” verticals with Punched 9mm Square Hole & Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space.			
10	Rack should have 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)			
11	Powder coated finish with seven Tank pre-treatment process meeting IS			
12	Rack should have Proper Grounding & Bonding			
13	Rack should have the provision for mounting 2 Fan on Top cover			
14	Rack should have 1 No Cantilever Shelf for mounting NON Rack mountable Equipments			
15	Rack should have 1 No Power Distribution Units with 6 No 5A Indian Round Pin with PDU Rating 1.8KVA			
16	Rack should have 1 No Horizontal Cable Organizer with Plastic Loops.			
17	Rack should have provision for cable entry Exit from Both top & Bottom.			
18	Rack should have 1 Packet of Mounting hardware, Pack of 20			

Annexure 4(xix) : Pole with installation for ANPR camera

SN	Minimum Required Specification	Compliance (YES / NO)	Make and Model No	Specification/Data Sheet/Brochure, if any
1	Pole should be made up of good quality iron, well polished and painted			
2	Proper protection for cameras			

Annexure 4(xx) : Three years comprehensive AMC for Item No. 1 to 19

SN	Minimum Required Specification	Compliance (YES / NO)	Specification/Data Sheet/Brochure, if any
1	The complaint should be resolved within 24 hours		
2	Three years comprehensive AMC is required from all the item listed in Bill of Material		
3	Vendor should provide escalation matrix to resolve the problem		
4	All associated accessories will be provided by vendor without any extra cost.		

FORMAT FOR SUBMISSION OF PRICE BID

From,	To,
	The Director
	MANIT- Bhopal- 462 003

Sub: **Price Bid with reference to Tender Document No: S&P/2018/05 dated 25/10/2018**

SN	Description of Material	Make & Product No	Quantity	Discounted Unit Price	Basic Price	Custom Duty	GST	Total Price
1	2	3	4	5	6 (4*5)	7	8	9(6+7+8)
1								
2								
3								
4								
5								
6								
7								
Gross Total → Net offered Price →								

Net offered Price (In Words)

The followings things are confirmed and undertake by us that:

- | | |
|---|--|
| a | The total price quoted above are inclusive of basic price, statutory duty & taxes, Transportation, Incidental services (including Insurance, Loading/ unloading, Packing & Forwarding charges, Installation etc.) at site. |
| b | Offer price shall be valid for a period of 90 days from the date of opening of technical bid of this tender |
| c | We will be agreed to offer services for on-site comprehensive warranty on the surveillance system supplied through this tender for five (03) years. |
| d | We agree with the terms and conditions specified in "Instructions to Bidders" and if selected, the execution of supplies would be made in compliance. |

Date:	Signature of Authorized Bidder with proper rubber stamp
	Name:
	Designation:
	Mobile No:

		ANNEXURE- 6
	(Undertaking from Bidder on their official stationery)	
To,		
The Director		
Maulana Azad National Institute of Technology		
Bhopal- 462 003		

Sub:	Undertaking for the participation in the tender No: S&P/2018/05 dated 25/10/2018.
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Dear Sir,

HAVING EXAMINED AND PERUSED THE FOLLOWING DOCUMENTS	
1	Notice Inviting Tender
2	Instruction to Bidders Chapter-I,II and III
3	Primary Commercial Compliance Statement (Annexure- 2)
4	Bill of Quantity (Annexure-3)
5	Technical Specifications of Surveillance Equipments (Annexure-4)
6	Price Bid (Annexure- 5)
<p>I/Wedo hereby submit the above tender in prescribed formats duly completed in all respects in accordance with the conditions applicable. If this tender is accepted, I/We agree to abide by and fulfill all the terms and conditions in the tender documents.</p> <p>I/We hereby distinctly and expressly declare and acknowledge that before the submission of this tender, I/We have carefully followed the instructions and I/We have understood the existing system of supply at the location of purchaser including the scope and nature of duties expected from the bidder.</p> <p>I/We distinctly agree that I/We would hereafter make no claim or demand upon the purchaser based upon or arising out of any alleged misunderstanding or misconceptions or mistake on my/our part of the said stipulations, restrictions and conditions.</p>	
<p>I/ We declare that our unit has never made any default in supplying the Surveillance Equipments / equipment to Government / Semi Government/ Central or State Public Sector Enterprise(s) in terms of quality and financial agreed supply conditions.</p>	
<p>I/We fully understand the terms and conditions in the tender documents.</p>	
<p>I/We understood that the purchaser is not bound to accept any proposal that it may receive without assigning any reason.</p>	
Date:	Authorized Signatory

		ANNEXURE- 7
AUTHORIZATION LETTER FROM ORIGINAL EQUIPMENT MANUFACTURER		
No:	Date:	
To,		

Ref:	Tender document No: S&P/2018/05 Dated: 25/10/2018
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<p>Dear Sir,</p> <p>We _____ who are established and reputable manufacturers of <i>(name and description of goods offered)</i> having factories at _____ <i>(address of factory)</i> do hereby-authorized M/s _____ <i>(Name and address of Agent)</i> to submit a bid, and sign the contract with you for the goods manufactured by us against the above tender and they are in the supply and maintenance of our products since _____ years.</p> <p>We hereby extend our full guarantee and warranty as per terms & Conditions of Contract for the goods and services offered for supply by the above firm against this Tender.</p> <p style="text-align: right;">Yours Faithfully,</p> <p style="text-align: right;">(Name of the manufacturer)</p>
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Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.

Modifying this format suitably in case where manufacturer's warranty and guarantee are not applicable for the items for which bids are invited.