

RFP DOCUMENT FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF, SURVEILLANCE AND NETWORKING COMPONENTS INCLUDING CAMERAS, VMS, SWITCHES, DISPLAY AND PASSIVE CABLING COMPONENTS AT NATIONAL INSTITUTE OF DESIGN AHMEDABAD AND GANDHINAGAR CAMPUSES



राष्ट्रीय डिज़ाइन संस्थान
NATIONAL INSTITUTE OF DESIGN

Last date for submission of queries	:	13-01-2021	upto
		6:00 PM	
Last date for submission of bid	:	29-01-2021	upto
		6:00 PM	
Last date for submission of physical documents	:	01-02-2021	upto
		3:00 PM	
Technical bid opening date & time	:	01-02-2021	at 6.00
		PM	
Financial bid opening date & time	:	Will be intimated to the technically qualified Bidders	

Venue

Purchase Department
National Institute of Design
Opp. Museum
Paldi, Ahmedabad 38007. Gujarat

Note: Please address all queries and correspondence to:

Purchase department
National Institute of Design
Opp. Museum, Paldi,
Ahmedabad 38007. Gujarat.

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Section – 1

Project Profile

Introduction

National Institute of Design is internationally acclaimed as one of the finest educational and research institutions for Industrial, Communication, Textile and IT Integrated (Experiential) Design. It is an autonomous institution under the aegis of the Ministry of Commerce and Industry, Government of India. **The Act of Parliament, by virtue of the National Institute of Design Act 2014, has declared NID 'Institution of National Importance'.**

It is also recognised by the Department of Scientific and Industrial Research, Government of India as a Scientific and Industrial Research Organisation.

Details of existing it infrastructure

NID has a LAN network, which is around 3000 nodes in size, and has a Server room, which hosts the Core switch on which different stacks of switches are, connected over 10G Uplinks in redundant path

NID is planning to use the same backbone for purpose of Surveillance and this RFP is being floated to select the Bidder who will perform turnkey basis following activities

- Supply of hardware and software related to CCTV, Switching, Passive Components and necessary accessories required for cabling and CCTV project.
- Commissioning and Installation of the above-mentioned components on Turnkey basis
- Maintenance support for the installed hardware during the Warranty period
- The Camera categories that need to be supplied and commissioned includes Dome, Bullet, PTZ and Panoramic type of cameras.
- The switching components that needs to be supplied and commissioned includes HPE 5130 POE+ switches which will get added in the existing stack of switches.
- The cabling components includes CAT6 cable and accessories that will be needed to connect this cameras to the newly added POE+ switches in the existing stacks which are operational.

Bidder has to supply install, commission and maintain the components as per the specifications mentioned in the technical sectional and any additional items required for the project completions should be considered along with it cost during the offering of the commercials.

NID will not pay anything extra other than the cost mentioned in the commercial bid.

Schedule of proposed project

Sr. No.	PROJECT
1	RFP document for Supply, Installation, Testing & Commissioning of, surveillance and networking components including cameras, VMS, switches, Display and passive cabling components at National Institute of Design Ahmedabad and Gandhinagar campuses The broad scope of works will be as defined above in section of the project profile.

Completion details:-

It is proposed to complete these works as per the given schedule. The nature of works broadly comprises as mentioned in Section -2 "Scope of Work"

Bidding option for the Bidder:-

The Bidder has to bid for all the components on SITC basis and if the bid is not offered as above then the same will be liable to rejection.

Section -2

Tender notice and information for online bidding

On behalf of NID Purchase department invites online tenders for "supplying, installing & commissioning of, surveillance and networking components including cameras, Recording monitoring, switches and passive cabling components at National Institute of Design."

2.1 The schedule for e-tendering is as under:

(i)	Tender Document to be downloaded from website https://nprocure.com , www.nid.edu and https://eprocure.gov.in/	From 08/01/2021
(ii)	Tender Fees (Nonrefundable) to be submitted to NID in form of Demand Draft/ Banker's Cheque / Pay Order's in favour of " National Institute of Design, Ahmedabad ", payable at Ahmedabad from any Nationalized/Scheduled Bank through registered AD/Speed Post only in sealed cover. Can also be submitted in person along with the Copy of the physical bid in a separate cover.	Rs. 1,500/- (one thousand five hundred) Till 01/02/2021 up to 15:00 Hrs.
(iii)	The Bidder shall furnish, as part of the Bid, EMD shall be submitted in the form of Demand Draft OR Banker's Cheque / Pay Order's in the form of an unconditional Bank Guarantee (which should be valid up to validity of bid + 90 days) of any Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative Banks and Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar in the name of " National Institute of Design, Ahmedabad. " payable at Ahmedabad (as per prescribed format given at Annexure I-A) in a separate envelope. The un-priced bid (Technical-bid) will be opened subject to the confirmation of valid EMD and bid processing fees.)	Rs. 2,33,000/ (Two laths thirty-three thousand)- Till 01/02/2021 up to 15:00 Hrs.
(iv)	Last date of Submission for query thru email or letter. Please note that after the final query submission date no queries by any Bidder will be entertained	13/01/2021
(v)	Any queries regarding the tender documents may be sent on email to.	purchase@nid.edu , naveen@nid.edu
(vi)	Date of Uploading the responses to the Bidder query on the nprocure web site	19/01/2021
(vii)	Last date and time for the online Tender submission	29/01/2021 up to 18.00 hours
(viii)	Last date for submission of Physical Tender submission	01/02/2021 up to 15.00 hours
(ix)	Online Opening of Technical bid	01/02/2021 at 18.00 hours

- 2.2 **Downloading Tender Documents:** Tender documents will be available on the website upto the date and time as shown above. Bidders who wish to participate in this tender shall have to register on web site <https://nid.nprocure.com>
- 2.3 **Digital Certificate:** Bidders who wish to participate in online tendering shall have to procure / should have legally valid Digital Certificate (Class III) as per Information Technology Act-2000, using which they can sign their electronic tenders. Bidders can procure the same from any of the licensed certifying Authority of India or can procure from (n) code solutions – a division of GNFC Ltd, who are licensed Certifying Authority by Govt. of India. All tenders shall be digitally signed. For details regarding digital signature certificate and related training the below mentioned addressee shall be contacted. In case bidders need any clarification/assistance or training for participating in online tender, they can contact the following office:
(n) Code solutions, A division of GNFC
301, GNFC Info tower, Bodakdev, Ahmedabad – 380 054 (India)
Tel: + 91 26857316/17/18, Fax: +91 79 26857321,
Mobile: 9327084190, 9925117079; E-mail: nprocure@gnvfc.net
- 2.4 Bidders who already have a valid Digital certificate need not procure new Digital certificate.
- 2.5 **Online Submission of Tender:** Bidders can prepare and add on their bid *n* number of times prior to the last date and time prescribed for tender submission. However, the tender shall not be permitted to be edited in any case after the last date and time prescribed for submission of tender as specified hereunder.
- 2.6 No written or online request in this regard shall be entertained. Bidders shall submit their tender in electronic format only on above mentioned website <https://nid.nprocure.com> and prior to the date and time mentioned above, and each tender shall be digitally signed by the authorized person of the bidder. Tender documents in any other form including in physical form shall not be accepted and the same shall be accepted in the electronic format.
- 2.7 A scan copies of all details as required shall be uploaded in electronic format. During the opening of online technical bid if it is found that above details as mentioned are not submitted in electronic format, tenders of such bidder shall not be considered.
- 2.8 Tender must be submitted as per two bid system (Technical and Financial). Both the bids must be submitted online, giving full particulars on website www.nprocure.com on or before **6.00 PM on 29.01.2021**. Please note that identical **hardcopy of only technical bid along with the Tender fee and EMD in sealed envelope** must be submitted at NID AHMEDABAD's address mentioned in this document on or before **3.00 PM on 01.02.2021**. Bids received after the date and time specified in this tender will not be accepted.
- 2.9 **Financial bid must be submitted online on www.nprocure.com only. Financial bid submitted online only on www.nprocure.com will be considered and if submitted in any other form will be not considered and**

rejected. NID AHMEDABAD reserves the right to accept or reject any or all the bids without assigning any reason.

- 2.10 The Technical bid should be complete in all respects and should contain all the information asked for. The technical bid should not contain any financial related rates/bid. The Technical bid should be complete to indicate that products and services asked for are quoted.
- 2.11 The Financial Bid must give all relevant price information and should not contradict the Technical bid in any manner.
- 2.12 Bidder can download the bid document and further amendment, if any for free on [NID website www.nid.edu](http://www.nid.edu) and www.nprocure.com and upload the same on or before last date of submission of tender on www.nprocure.com
- 2.13 Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submits a Bid not substantially responsive to the bidding documents in every respect may result in the rejection of the Bid.
- 2.14 At any time prior to the deadline for submission of bids, NID Ahmedabad, for any reason, whether at its own initiative or in response to the clarifications requested by prospective Bidders may modify the bidding documents by amendment & publish the same on website.
- 2.15 Any amendments/corrigendum/modifications will be notified on www.nid.edu and www.nprocure.com websites only. Bidders are advised to regularly browse These website till last date of submission of tender. These amendments/corrigendum/modifications will be binding on them.
- 2.16 The Bidder shall be deemed to have carefully examined all work-order documents to his entire satisfaction. Any lack of information shall not in any way relieve the Bidder of his responsibility to fulfill his obligation under the work-order.
- 2.17 In case of queries regarding tender documents, the list of queries may be sent through email to: purchase@nid.edu.in **on or before query submission dates. Post the cut off time no queries will be entertained.**
- 2.18 **Opening of Technical tender:** Technical tenders shall be first opened online as per schedule mentioned in tender at Purchase department NID Ahmedabad as per the date and time defined in the header.
- 2.19 Technical bid shall be evaluated as per procedures mentioned in the tender documents. The decision of the committee on evaluation of the bids shall be final and binding to every bidder.
- 2.20 **Opening of Commercial bid:** Commercial bid of only qualified bidder whose technical bid is accepted shall be opened.

- 2.21 Tenders without tender fees, EMD and which do not fulfill all or any of the conditions of tender document shall be rejected outright. Tender with incomplete details in any aspect shall also be rejected.
- 2.22 Conditional tender shall not be accepted.
- 2.23 This tender notice shall form a part of tender document.
- 2.24 Every tendered shall mention his email address in the technical bid.

Section - 3

Scope of Work:

- 3.1 **The Scope of the work includes undertaking various supplies and services related to the deployment of various solutions. The details are:**

IT Components (Switches and Cabling) for Surveillance Solution being deployed

Additional Switches in the existing operational stacks as per the port requirement and CAT6 cabling for connecting the camera to the individual stacks. This includes installation of accessories like poles, Conduits HDPE etc.

Enabling View of Cameras in the existing Workstations available at the Client site.

Deployment of Surveillance Components:-

Deployment of CCTV; recording and monitoring and accessories as per the Specifications on SITC Basis.

- 3.2 Bidder will be responsible to undertake and complete the works related to **supply installation and commissioning of services as indicated in the bid.**
- 3.3 The works are to be completed on turnkey basis and the supplied equipment are required to be maintained for three years on comprehensive warranty basis from the date of Final Approval and Testing and accept the work-order. The Bidder shall be responsible for implementation of the work as defined.
- 3.4 **Bidder is required to carry out following tasks.**
Turnkey Project Basis: - The Bidder shall act as single Bidder to organize and manage the entire project – including supply, installation and commissioning of all required hardware, software, networking, accessory items etc. The Bidder shall be in a position to test, demonstrate and certify the basic requirements in accordance with the work-order.

Technical arrangements: - The Bidder shall provide details of site and infrastructure requirements (Power, earthing etc.) in a layout plan after making a site survey.

Warranty and Post-Warranty Support: - The Bidder shall be responsible for the warranty support and for the post warranty support and as required by the NID.

All goods or materials shall be supplied strictly in accordance with the specifications, Drawings, datasheets, other attachments and conditions stated in the RFP / Agreement / Work-Order. All materials supplied by the Bidder shall be guaranteed to be of the best quality of their respective kinds and shall be free from faulty design, workmanship and materials.

Section - 4

Bid Pre-Qualification criteria

Bidders desirous of bidding for the project shall fulfill the following prequalification criterions:

Sr. No	Eligibility Criteria	Attachments
a.	The Bidder should be a Firm or Company in the business of providing end-to-end networking and physical security solutions in India.	Relevant registration documents like GST certificate, Gumasta Dhara certificate etc. should be given as a supporting document. In case the firm is a Company than ROC certificate can be given.
b.	<p>Systems Implementation agency must have successfully completed at least the following numbers of Surveillance project which includes CCTV, Recording monitoring of value specified herein :</p> <p>One project of similar nature not less than the amount value equal to 80% of estimated cost for Surveillance and Server Storage works</p> <p>OR</p> <p>Two projects of similar nature not less than the amount equal value equal to 60% of estimated cost for Surveillance and Server Storage works</p> <p>OR</p> <p>Three projects of similar nature not less than the amount equal <value equal to 40% of estimated cost> for Surveillance and Server Storage works</p> <p>The project should be a turnkey activity and should cover all the components mentioned in the scope of work definition</p>	<p>Completion Certificates from the client; OR Work Order + Self Certificate of Completion (Certified by the Statutory Auditor); OR Work Order + Phase Completion Certificate from the client. Details should be uploaded in the format as defined in</p> <p>ANNEXURE IV Work order details for the Surveillance and Storage Server works done and Bidder should give supporting in terms of Purchase order and Completion certificate highlighting experience of the organization.</p>
c.	The sum of annual turnover of the firm	Audited and Certified Balance

Sr. No	Eligibility Criteria	Attachments
	<p>for the last three financial years. (I.e. 2017-2018, 2018-2019, 2019-2020) should be at least INR 15 crores out of which INR 10 Crores should be from the SI activity business (Surveillance, Networking +IT). The Bidder should upload the copies of the audited Balance Sheet and Profit & Loss accounts. Extract highlighting the comments of the auditor confirming revenue from the ICT Business should be also uploaded as a separate document.</p>	<p>Sheet and Profit/Loss Account of last 3 Financial Years should be enclosed. CA certificate mentioning turnover of the Bidder should be enclosed. Details should be uploaded in the format as defined in ANNEXURE – V-details of Annual Turnover</p>
d.	<p>The Bidder should have at least one administrative office in Ahmedabad/Gandhinagar. The Bidder should have its own service & support infrastructure in Gujarat, to provide warranty and post warranty services.</p>	<p>The details for administrative & service infrastructure must be enclosed, as a part of a declaration Bidder should submit a self-attested copy on their letter head</p>
f.	<p>The Bidder should not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the tendering Authority.</p>	<p>An auditor's certificate to this effect must be provided along with the bid. Certificate / affidavit mentioning that the Bidder is not blacklisted by Government of Gujarat or any of the PSUs in the state of Gujarat due to engagement in any corrupt and fraudulent practices. Self-Declaration Form must be submitted</p>
g.	<p>The Bidder must have a valid GST Registration in India.</p>	<p>Proof of a valid GST in India should be enclosed.</p>
h.	<p>The Bidder must have positive net worth and should be profit making for each of the last three financial years as on 31st March, 2020.</p>	<p>Audited and Certified Balance Sheet and Profit/Loss Account of last 3 Financial Years should be enclosed. CA certificate mentioning net profit of the Bidder should be enclosed.</p>
i.	<p>The Bidder should get the Original Equipment Manufacturer Authorizations for the Products being offered for the following categories</p> <ul style="list-style-type: none"> - Switches and Cabling OEM - CCTV, recording and monitoring OEM <p>The Bidders should select the OEM as per the OEM Criteria defined in the marking and along with the MAF the Bidder should upload the supporting confirming OEM Qualification. Bids without MAF and Supporting</p>	<p>MAF as per the Format defined from all OEM's and in case the OEM is bidding then he needs to give a declaration for the range of products he is offering from its portfolio</p>

Sr. No	Eligibility Criteria	Attachments
	documents for PQ will be out rightly rejected and will not be considered for evaluation	

Section – 5

Instructions to Bidders

Section Details

Section -1	Project Profile
Section -2	Tender Notice and Information for ONLINE Bidding
Section -3	Scope of Work
Section -4	Bid Pre-qualification Criteria
Section -5	Instruction to the Bidders
Section -6	Technical Specification
Section -7	Technical Bid Format
Section -8	Commercial Bid Format
Section -9	Performa for Performance Bank Guarantee
Section 10 Annexures	<ul style="list-style-type: none"> • ANNEXURE I: EMD TENDER FEE Details • ANNEXURE II: Tender Letter Form • ANNEXURE III: Manufacturer’s Authorization Form • ANNEXURE IV: Details of Work Experience for Surveillance Solutions. • ANNEXURE V: Details of Annual Turnover • Annexure VI: Format of indemnity bond

Bid processing fee and EMD details:-

1	Bid Security	The Bidder will have to pay EMD ` 2,33,000.00 in form of DD from any Nationalized Bank in name of National Institute of Design, Ahmedabad Payable at Ahmedabad.
2	CONTACT PERSON	Purchase Department National Institute of Design (NID) Paldi, Opposite Museum, Ahmedabad – 380007 Phone : (079) 26629541 Mail : purchase@nid.edu

Authorization letters

- a. Authorization for Bidder
- b. Confirm that the products quoted are not end of life products
- c. Undertake that the support including spares, patches for the quoted products shall be available for next 5 years. (3 Year warranty + 2 year extended warranty)

Cost of bidding:-

The Bidder shall bear all costs associated with the preparation and submission of the Bid and NID will in no case be responsible for those costs, regardless of the conduct or outcome of the bidding process.

Amendment of bidding documents:-

- At any time prior to the deadline for submission of bids, NID, for any reason, whether at its own initiative or in response to the clarifications requested by prospective Bidders may modify the bidding documents by amendment.
- All Bidders will be notified of the amendment and such modification will be binding on them.
- In order to allow prospective Bidders a reasonable time to consider the amendment in preparing their bids, NID, at its discretion, may extend the deadline for the submission of bids.

Language of bid:-

The Bid prepared by the Bidder, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and NID shall be in English. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in English. For purposes of interpretation of the bid, the translation shall govern.

Section comprising the bids

The quotation should be scan-able and distinct without any option stated in. The bid submitted shall have the following documents:

The Bid Security (Physical Submission at NID)

- The bid security to be furnished to NID office on or before due date. The details are required to be filled in this section.

Technical Section

- Clause by clause Compliance statement for Bid document including all annexure to be submitted.
- All annexure / Table, duly filled-in with necessary proofs, as required and stated in the bid document
- Letter of Authority for signing the bid.
- Make & Model of quoted in the bid with brochures/internet printout.
- For compliance of terms and conditions of the tender, bidder are required to sign all pages of tender document by an authorized official of the bidder's organization.

Price bid Section: -

- Priced bid (in the prescribed format only)

The Financial Bid should be uploaded separately in the prescribed format of BOQ available on online procurement portal nprocure.com. The Financial bid Form shall contain only price details for items **(in words and figures)**. **If NID will find that words and figures are not match, NID will consider the lowest amount / figure for the same.**

No other charges such as packing, forwarding, cartage, insurance, loading and unloading, entry tax, demo, etc. will be allowed.

The consolidated price quoted shall be firm and final and payable for the goods supplied at NID AHMEDABAD campus. Rates shall be valid for the entire duration of the contract.

Fraudulent & corrupt practice:-

- Fraudulent practice means a misrepresentation of facts in order to influence a procurement process or the execution of a Work-order and includes collusive practice among Bidders (prior to or after Bid submission) designed to establish Bid prices at artificial noncompetitive levels and to deprive the NID of the benefits of free and open competition.
- "Corrupt Practice" means the offering, giving, receiving or soliciting of anything of value, pressurizing to influence the action of a public official in the process of Work-order execution NID will reject a proposal for award and may forfeit the E.M.D. and/or Performance Guarantee if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for, or in executing, work-order(s).

Lack of information to Bidder:-

The Bidder shall be deemed to have carefully examined all work-order documents to his entire satisfaction. Any lack of information shall not in any way relieve the Bidder of his responsibility to fulfill his obligation under the Work-order.

Terms and Conditions:-

Terms and conditions for Bidders who participate in this Tender are specified in the section named "**Terms and Conditions**". These terms and conditions are binding on all the Bidders. These terms and conditions will be part of the purchase order.

The Bidder should be agreeable to all the terms and conditions specified in the tender document. Conditional bids are liable for outright rejection.

Preliminary Scrutiny:-

NID AHMEDABAD will scrutinize the e-bids received to determine whether they are complete and as per Tender requirement, whether technical documentation as asked for and necessary to evaluate the bid has been submitted, whether the documents have been properly signed and whether all the items are supplied as per the requirements.

NID AHMEDABAD may, at its discretion, waive any minor non-conformity or any minor irregularity in the bid. This waiver shall be binding on all the Bidders and NID AHMEDABAD reserves the right for such waivers.

Clarification on Bids received:-

To assist in the scrutiny, evaluation and comparison of bids, NID AHMEDABAD may, at its discretion, ask some or all the Bidders for clarifications on the bid made by them. The request for such clarifications and the Bidder response will necessarily be in writing.

No Commitment to Accept Lowest or Any Bid:-

NID AHMEDABAD is under no obligation to accept the lowest or any other bid received in response to this tender and reserves its right to reject any or all the bids including incomplete bids without assigning any reason whatsoever. NID AHMEDABAD will not be

obliged to meet and have discussions with any Bidder and/or to entertain any representations.

Bidder can offer specifications superior to those mentioned in schedule of each IT equipment.

All the relevant equipment supplied must be of same make. **Any equipment supplied other than OEM make will not be accepted.** It is mandatory to provide make, model and part numbers of all items and their sub-components as asked in the technical specification. The bid may not be evaluated and/or will be liable for rejection in case of non-submission or partial submission of make, model and part numbers of the items supplied.

The supply of any substandard/assembled item will entail cancellation of whole supply order and forfeiture of EMD/Security deposit.

Erasures or Alterations:-

The offers containing erasures or alterations will not be considered. There should be no hand-written material, corrections or alterations in the offer. Technical details must be completely filled up. Correct technical information of the product being offered must be filled in. Filling up of the information using terms such as "OK", "accepted", "noted", "as given in brochure/manual" is not acceptable.

Bid price (For Foreign Currency and INR Value):-

NID have Custom duty exemption certificate issued by DSIR, Government of India, New Delhi and NID, Ahmedabad is exempted from payment of Custom Duty vide Govt. Notification No.51 / 96- Customs dated 23rd July, 1996. Since the bidder are requested to quote only on for basic price, custom duty will not be applicable for the bidder. NID will import all Equipment and related components and for this selected vendors will be responsible for the entire custom clearance procedure's and deliver our materials at mentioned campuses.

Bidder may quote as DDP/DDU (Destination Duty Paid / Unpaid) by Air in foreign currency prices for all imported goods wherever applicable, for which NID will pay through Swift / Wire Transfer in foreign currency. For ITEMS quoted in USD the current conversion rates at the time of payment transfer will apply.

For items quoted in INR where USD is not applicable the prices should be exclusive of all taxes and inclusive of all duties.

The priced bid should indicate the prices in the format/price schedule only.

Unit rates should be quoted separately for each item. Quantities can be increased or decreased by purchaser and Bidder has to supply deviated quantities at the rates prescribed and approved by the purchaser in the tender document.

Category -1 Purchase Order of Imported Goods for availing the duty exemption for items quoted in DDP / DDU base Foreign Currency:

NID will issue a work / purchase order which will be only for Foreign Currency Value items. Our require Materials will be delivered at our Ahmedabad and Gandhinagar (Gujarat, India) Campuses (door delivery at both NID's premises). Custom Clearance, Transportation, Transit Insurance, Loading and Unloading charges etc. is in Supplier scope. Payment: 100% through Bank Swift / Wire Transfer against the scanned copies of HAWB/AWB, Invoice, Packing List, COO Certificate, Chamber of Commerce Certificate /

BIS Certificate and Insurance Certificate / Policy (warehouse to warehouse base) in the name of NID campus wise. For making payment of the foreign currency, all bank charges outside India in OEM / selected partner's account and Inside India in NID's account.

Once the consignment lands on the airport the supplier appointed IATA / CHA will get the goods cleared by submitting the necessary documents but supplier / or their appointed IATA / CHA inform to NID's purchase section well in Advance (At least 10 days before cargo arrival date with all the necessary documents and information). For Custom clearing process, all the technical data / documents / brochures / literatures etc. will be providing by the Mfg. Co. / suppliers only. NID will issue only Custom Duty Exemption Certificate and its related documents to suppliers appointed CHA after submission of complete consignment details and documents against receipt of Performa Invoice. For preparing Custom Duty Exemption Certificate, selected supplier will submit their Performa Invoice.

On request of the bidder, NID may issue campus wise multiple foreign currency value purchase order to avail the duty benefits.

Category -2 Campus Wise Purchase Order of Goods to be procured in INR:-

For supply and services for the goods whose value is quoted in INR NID will issue one single PO for the same and the payment terms will be as per the payment table mentioned below:

Payments terms:-

1	No advance payment will be made.
2	After submission of PBG / SD and after receipt of deliveries of the materials within 15 days from the date of purchase / work order, 90% payment of the materials value only shall be released within 10 days. These terms are applicable to INR Order's which will be released for the supply part. Partial supply and its payment request will not be considered for the same.
3	Balance 10% payment after completion of entire work and final acceptance, testing and certified by NID Officials with taxes & other extra charges, if applicable.
4	For ITEMS offered in Foreign Currency payment would be made (See Category 1 on page # 15) after submission of all mentioned documents.
5	For the Payment related to the LABOR and Installation part (lower side work) in INR Value, NID will release the payment in 30 days after completion of entire work on actual measurements and quantities after certify by NID officials.
6	NID will issue Concessional Rate of 5% GST on Materials Only as per Govt. Notification No. 45/2017 – Central Tax (Rate)/ No. 45/2017 – State Tax (Rate)/ No.47/2017- Integrated Tax (Rate), Dated: 14.11.2017 issued by Ministry of Finance, Department of Revenue of Government of India. For the same, you can check with your tax consultant and submit your offer accordingly.

NID will issue separate Purchase / Work Orders for Materials and for lower side works. If, selected vendors are ready to supply all our required materials including lower side work in ONE Complete Lot, we will issue our campus wise single purchase / work order accordingly.

Vendors are also required to quote for the comprehensive AMC charges in Indian rupees for the post warranty AMC/Subscription as per the AMC clause specified in the Inquiry.

Taxes & other charges for INR Order Value only:-

Vendor shall be entirely responsible for all taxes (See above Point # 6), duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser.

Item wise, the rates of all taxes must be clearly indicated. Whenever chargeable SGST / CGST / IGST numbers must be indicated. It will be deemed that no Taxes are payable by us if such items are not indicated.

Price Comparison:-

In order to arrive at the lowest (technically acceptable) offer NID will consider the total propose solutions price with 3-year on-site warranty (converted into Indian rupees equivalent) NID will not consider L1 Bidder for each item separately at the time of opening of financial bids.

No Negotiation:-

It is absolutely essential for the Bidders to quote the lowest price at the time of making the offer in their own interest, as the NID will not enter into any further price negotiations except with the lowest quoting Bidder whose offer is found to be technically acceptable.

Short-listing of Bidders:-

The commercial offers of the Bidders whose technical offers found to be technically deficient or if they do not meet the qualification criteria as specified in this Inquiry will not be opened.

EVALUATION PROCESS:-

The evaluation process of the tender proposed to be adopted by the NID is indicated under this clause. The purpose of this clause is only to provide the Bidders an idea of the evaluation process that the NID may adopt. However, the NID reserves the right to modify the evaluation process at any time during the Tender process, without assigning any reason, whatsoever and without any requirement of intimating the Bidders of any such change.

EVALUATION OF BID:-

Bidders need to fulfill all the Technical criteria and conditions mentioned in RFP document. NID will examine the bids to determine whether they are complete, whether the bid format confirms to the Tender's requirements, whether any computational errors have been made, whether required EMD has been furnished, whether the documents have been properly signed, and whether the bids are in order including Techno commercial compliance.

The criteria prescribed in respect of specifications of items, years of operation in the business, experience of similar class of work completed etc will first be scrutinized and the Bidder's eligibility for the work will be determined.

As a part of the process to evaluate the technical bids, Tender Evaluation Committee may also ask the Bidders to make a presentation/ demonstration before it.

After evaluating the technical bids and on acceptance, then only financial bids will be opened.

L1 Bidder for total items as solution would be decided at the time of opening of financial bids. NID AHMEDABAD will award work to the Bidder whose bid has been found to be substantially responsive and has been determined as the lowest evaluated bid, provided further that the Bidder is determined to be competent to perform the work-order satisfactorily.

It must be kept in view that no decision will be given by the Tender Evaluation Committee. Any inferences drawn during the meeting of this Committee by the Bidders or their representatives will be their own view and the Institute will not abide by the same.

Supply order shall be awarded to single Bidder on the basis of bid value of total items.

A bid determined as not substantially responsive will be rejected by the NID and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

Bids not considered for evaluation:-

Bids that are rejected during the bid opening process due to incomplete documentation or late receipt shall not be considered for further evaluation.

Contacting NID:-

Bidder shall not approach NID officers outside of office hours and/ or outside NID office premises, from the time of the Bid opening to the time the Work-order is awarded.

Any effort by a Bidder to influence NID officers in the decisions on Bid evaluation, bid comparison or work-order award may result in rejection of the Bidder's offer. If the Bidder wishes to bring additional information to the notice of the NID, it should do so in writing.

No withdrawal after submission of bids:-

Bidder shall not be permitted to withdraw his/ her/ its offer or modify the terms and conditions thereof after acceptance of tender. In case the Bidder fails to observe and comply with the stipulations made here in or backs out after quoting the rate, the aforesaid amount of Earnest Money and Security Deposit, will be forfeited by the Institute. Besides this, the Bidder may also be liable to be debarred/ blacklisted from participating in the tendering process of NID AHMEDABAD in future and/or suitable penalty may be levied.

NID AHMEDABAD's Rights

- (i) NID Ahmedabad reserves the right to accept/reject any or all the bids in whole or in part and cancel the bidding process without assigning any reason whatsoever and is not bound to accept the lowest tender.
- (ii) NID AHMEDABAD also reserves the right to modify and/ or relax any terms & conditions of this tender document before last date of submission of tenders to safeguard its interest.
- (iii) Any failure on the part of the Bidder to observe the prescribed procedure and any attempt to canvass/influence NID AHMEDABAD for furtherance of his/her interest, the Bidder's quotation will be cancelled forthwith. The decision of NID AHMEDABAD in this regard will be final.
- (iv) NID AHMEDABAD reserves the right to cancel the tender process without assigning any reason whatsoever, at any stage, in case of any change in requirement.
- (v) NID AHMEDABAD reserves the right to blacklist a Bidder for a suitable period in case the Bidder fails to honour its bid after award of work without sufficient grounds.
- (vi) NID AHMEDABAD reserves the right to alter the quantities specified in

the bid in the event of changes in requirement. No Bidder will be allowed to change the financial bid if NID AHMEDABAD decides to drop any items from the schedule.

(vii) All the items, for which financial bids are submitted, should be genuine and of the specified branded company. If the material supplied is found to be of non-genuine/ substandard quality, the same will be returned/ replaced at the cost of the Bidder and the NID AHMEDABAD will not be responsible for any loss to the concerned Bidder for such supply.

(viii) Right to vary Quantities at Time of Award: NID AHMEDABAD reserves the right to increase or decrease the quantity of goods and services originally specified in the tender without any change in unit price or other terms and conditions.

(ix) Reserves the right to accept or reject any bid, and to cancel the bidding process and reject all bids at any time prior to award of Work-order.

Repeat Orders:-

NID AHMEDABAD reserves its right to place an additional repeat order for quantity equal to or below the items/ equipment covered in this tender at the same price and terms within twelve months of the date of release of purchase order.

Security Deposit:-

If offer submitted by OEM / Mfg. Co. Directly, Earnest Money Deposit is not required but the OEM / Mfg. Co. Have to submit Bank Guarantee of 3% of the total order value up to the warranty period plus 60 days before formal purchase / work order is issued.

If offer submitted by authorised partners by OEM / Mfg. Co. prior to expiration of the period of Bid validity, The Approved bidder to whom the contract is awarded will have to deposit an additional amount as Security Deposit a further sum to make up 3% of the approved contract value of the accepted tender including the Earnest Money on acceptance of the offer but before formal order is issued. Security Deposit will be held as a non-interest bearing EMD / SD with NID for duration of Warranty period plus 60 days and will be returned to the selected Bidder after certification by IT Centre NID.

EMD of remaining parties will be returned within 10 days after placement of purchase order to the successful bidder.

Upon the successful Bidder's furnishing of Performance Bank Guarantee / Demand Draft and signing of Contractual documents, The EMD of all Bidders will be refunded within 10 days through NEFT / RTGS and for this they have submitted all banking details after placement of purchase order/ supply order.

NID AHMEDABAD shall be at liberty to set off /adjust the proceeds of the security deposit towards the loss, if any, sustained due to the Bidder's failure to complete its obligations under the work-order. This is without prejudice to the NID AHMEDABAD's right to proceed against the Bidder in the event of the security being not enough to fully cover the loss/damage.

Tender Fee (Non refundable)	:	` 1,500/- (One Thousand Five Hundred Only) Non Refundable. If any supplier's downloaded tender document from NID's website send us above amount separately in form of DD/Pay Order with the Sealed Technical offer.
Earnest Money Deposit EMD	:	` 2,33,000/- (Two Lakh Thirty-Three Thousand only) by D.D / Pay Order / Banker's Cheque of any Nationalized Bank in favor of National Institute of Design payable at Ahmedabad.
Security Deposit SD	:	3% of the Contract / Order value including EMD.

Section 5A

Terms and Conditions:

Delivery, Installation, Commissioning:-

The Bidder shall be responsible for Shipment, delivery, and installation of CCTV surveillance equipment at the site and for making it operational at no additional charges as follows:

Shipment CCTV surveillance equipment within 8 weeks from the date of Purchase Order.
Installation of various CCTV surveillance equipment within 8 weeks from the date of material received at NID Ahmedabad and Gandhinagar campus.

If the Bidder fails to ship and install the CCTV surveillance Equipment within the stipulated time as mentioned in the schedule, NID reserves the right to claim the liquidated damages and cancel the purchase / work order.

At the discretion of NID Ahmedabad, there will be an acceptance test conducted by NID Ahmedabad / Gandhinagar's technical team members and/or its nominated consultants after installation.

Order Cancellation:-

NID AHMEDABAD reserves its right to cancel the Purchase / Work Order at any time by assigning appropriate reasons in the event of one or more of the following conditions:

If after the award of the work-order to successful bidder along with the inception report and working schedule as per the tender requirements & if the operation is not started within fifteen (15) working days after submission of Security Deposit as mentioned.

Delay in delivery beyond the specified period for delivery.
Delay in installation beyond specified period in the Tender.
Serious discrepancy noticed during the inspection.

NID reserves the right to cancel the work-order and apply all remedies available under the terms and conditions of the work-order.

Acceptance Tests:-

At its discretion, NID AHMEDABAD will conduct acceptance test. The test will check for trouble-free operation of CCTV surveillance Equipment for two weeks in addition to physical verification and testing. There shall not be any additional charges payable by NID AHMEDABAD for carrying out this acceptance test.

In the event of any errors and bugs detected during acceptance test, will result in corrective action required by the Bidder, the schedule for acceptance test will be agreed to a mutually convenient date at the cost and expenses of the Bidder.

Software:-

The Bidder will supply all the genuine original Bundled software as applicable. If any software is found to be fake/duplicate, the performance guarantee / security deposit along with EMD will be forfeited, Bidder will be blacklisted, and legal proceedings will be initiated by the Institute.

Warranty:-

The bid must include a minimum **three-year comprehensive on-site warranty** including licensing if any as per tender specifications.

During the warranty period, If there is a hardware failure the bidder will replace the hardware, re-install the software that were installed on the hardware, at no additional charge.

The Bidder shall be fully responsible for the manufacturer's warranty in respect of proper design, quality and workmanship. Bidder must warrant all components, accessories, spare parts etc. against any manufacturing defects during the warranty period. During the warranty period, Bidder shall maintain and repair/replace at the site all defective components, at no charge to NID AHMEDABAD.

Annual maintenance Chares :-

The bidder is required to quote separately for AMC/Subscription from the date of expiry of the warranty period (three years). This rate should be quoted separately as follows: One year comprehensive on-site annual maintenance/Subscription charges in Indian rupees after expiry of warranty period, Two year comprehensive on-site annual maintenance/Subscription charges in Indian rupees after expiry of warranty period The Bidder shall give firm commitment to provide AMC/Subscription at the price quoted as above for two years from the date of expiry of warranty.

NID will not permit any changes in AMC/Subscription rates once quoted for any reason whatsoever. NID will pay AMC/Subscription Charges after the end of warranty period for each year in advance on yearly basis.

Passive components:-

For all installed Passive UTP components, the bidder will give minimum 15 years performance warranty certification to NID in form of Indemnity Bond as per Annexure VI.

NID will not pay any charges for network related documentation, 15-year certification from parent company, testing of cables and test-report etc.

End-of-Sale / obsolete components:-

Bidders must bid the latest model that are not announced by the principals as end of sale product or obsolete at the time of shipment.

Bidder is expected to maintain the components supplied for at least six years from the date of acceptance by NID

Spare parts:-

If any of the components are not available during the warranty period, in such case Bidder must replace it with equivalent or higher capacity without any extra cost.

Support:-

Bidders are also required to submit details like address of the nearest support

center, detail support escalation matrix, number of service engineers available along with their names, telephone/mobile numbers, for warranty service etc.

Penalties:-

Delay in shipment, delivery and installation: NID AHMEDABAD will charge penalty @**1% of the** total order value per week for the delay in shipment, delivery and installation of CCTV surveillance equipment at NID AHMEDABAD and GHANDHINAGAR campus beyond 8 weeks from the date of purchase order, subject to a maximum 5% of the total order value. After the maximum penalty value is reached, the order will be cancelled and NID AHMEDABAD will initiate necessary action as per terms of the tender.

Delay in repair:-

CCTV surveillance Equipment and associated components that is reported to be down on a given date should be either fully repaired or replaced within 2 working days. The problem reported by NID AHMEDABAD will be through a telephonic message or any other mode of communication as NID AHMEDABAD may decide. In case Bidder fails to repair or replace the CCTV surveillance Equipment within 2 working days, there will be a penalty @ ` 300/- per day from the third day.

Termination:-

NID AHMEDABAD may at any time terminate the work-order by giving written notice to the Bidder if the Bidder becomes bankrupt or otherwise insolvent. In this event, termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the NID AHMEDABAD.

Quality Standards:-

NID AHMEDABAD is looking for well proven/designed and quality product. All items quoted should be associated with specific model numbers and names and with literature. Any deviations from the specifications as given should be clearly listed in Annexure called "deviations" giving reasons thereof.

Assignment & sub contracts:-

Assignment by Bidder:-

The Bidder shall not assign, in whole or in part, its rights and obligations to perform under the Agreement to a third party, except with the prior written consent from NID.

Sub contracts:-

The Bidder shall notify the NID in writing of all subcontracts awarded under the Work-order Agreement. Such notification shall not relieve the Bidder from any liability or obligation under the Agreement. The Bidder shall fully indemnify NID for any claims/damages whatsoever arising out of the Sub contracts.

Service terms:-

It is mandatory for Bidder to deploy qualified professional to install, commission & maintain the equipment, as defined under scope of work.

The Bidder has to submit regular schedule of manpower availability & get it approved by NID.

Joint Site survey with the Bidder:-

Post award of the LOI/Work order the bidder needs to depute his team for a joint site survey with the consultant to decide the camera locations etc.

The objective of this survey is to decide the camera quantities along with other accessories before releasing the purchase order. All accessories and cable that would be used should be invoiced as per the actual usage.

Project implementation:-

The Bidder will implement the project strictly as per the plan approved by NID.

Appointed official designated by the NID will be In-Charge officials of the Project and all inspection, installation; commissioning and acceptance of work will be undertaken by Bidder which will be approved by appointed officials of the NID. All Invoices, Vouchers, Bills for supplied goods and services by the Supplier under the scope of the work will be verified measured and accepted by the in-charge officials for release of payment.

The Bidder shall provide and supply the necessary technical support, Standard Operating Procedures (SOPs), any other document of the equipment and other information needed to NID and its user organizations in implementing the proposed system applications. NID at any time during the currency of the Agreement should have access to the proposed sites.

The Bidder shall provide training to NID Personnel at no cost to NID. The training schedule, content and modalities will be defined jointly by both the parties.

In case of the material/solution supplied and installed is rejected owing to its non-conformity to the specification or due to the poor quality of workmanship, the same shall be replaced promptly with complied equipment and improved workmanship.

Bidder shall treat all matters connected with the work-order strictly confidential and shall undertake not to disclose, in any way, information, documents, technical data, experience and know how, without prior written permission from NID.

The Bidder shall have to furnish the documentation of the work undertaken in consultation with official-in-charge/NID. documentation should be provided before the issue of completion certificate.

It is a turnkey project. The Bidder shall be fully responsible for implementing the Project in totality and should include the items and their prices, if not included in Schedule of Requirement to complete the project on turnkey basis. Any claim whatsoever in this regard will not be entertained later on.

In the event of the delay in delivery of products and/or services is not satisfactory the purchaser may procure goods from else ware as prescribed in bid and Bidder shall be liable without limitations for the difference between the cost of such substitution and the price set forth in the work-order for the goods involved i.e. at the risk and cost of the Bidder.

The Supplier shall be responsible and take required insurance for all of their representatives working on the site at their own cost. NID will not be responsible for any injury, loss or damage to any of the representatives of the Supplier during the said work-order.

All work shall be performed and executed by the Supplier in strict conformity with the engineer-in-charge / representative from NID and any relative instruction issued to the Supplier by the Engineer in- charge from time to time.

In the event of the delay in delivery of products and/or services is not satisfactory the purchaser may procure goods from else ware as prescribed in bid and Bidder shall be liable without limitations for the difference between the cost of such substitution and the price set forth in the work-order for the goods involved i.e. at the risk and cost of the Bidder.

NID shall associate few engineers / technicians during installation and commissioning work. Bidder shall ensure proper participation of the nominated personnel from NID and train them and provide necessary on hand system training.

Indemnity:-

Bidder shall indemnify, protect and save NID AHMEDABAD against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the items supplied by Bidder.

Original Hardware and Software:-

Bidder should guarantee that all the components delivered to NID AHMEDABAD are genuine and brand new. In the case of software, the Bidder should guarantee that the software supplied to NID is licensed and legally obtained. All hardware and software must be supplied with their original and complete printed documentation. If any hardware and software is found to be fake, the security deposit (including EMD) will be forfeited, Bidder will be black listed and legal proceedings will be initiated by the Institute.

Force Majeure:-

Bidder shall not be liable for default or non-performance of the obligations under the work-order, if such default or non-performance of the obligations under this work-order is caused by any reason or circumstances or occurrences beyond the control of the Bidder, i.e. Force Majeure.

For the purpose of this clause, "Force Majeure" shall mean an event beyond the control of the Bidder, due to or as a result of or caused by acts of God, wars, insurrections, riots, earth quake, natural calamity and fire, events not foreseeable but does not include the Bidder's fault or negligence or carelessness on the part of the Bidder, resulting in such a situation.

In the event of any such intervening Force Majeure, the Bidder shall notify NID in writing of such circumstances and the cause thereof immediately within five calendar days. Unless otherwise directed by NID, the Bidder shall continue to

perform/render/discharge other obligations as far as they can reasonably be attended/fulfilled and shall seek all reasonable alternative means for performance affected by the Event of Force Majeure.

In such a case, the time for performance shall be extended by a period(s) not less than the duration of such delay. If the duration of delay continues beyond a period of three months, NID AHMEDABAD and the Bidder shall hold consultations with each other in an endeavour to find a solution to the problem. Notwithstanding above, the decision of NID AHMEDABAD shall be final and binding on the Bidder.

Resolution of Disputes:-

All disputes and differences of any kind whatsoever, arising out of or in connection with this Bid or in the discharge of any obligation arising under this Bid (whether during the progress of the work or after completion of such work and whether before or after termination, abandonment or breach of the Agreement) shall be resolved amicably. In case of failure to resolve the disputes and differences amicably the matter may be referred to a sole arbitrator mutually agreed upon after issue of at least 30 days' notice in writing to the other party clearly setting out there in the specific disputes. In the event of absence of consensus about the single arbitrator, the dispute may be referred to joint arbitrators, one to be nominated by each party, and the said arbitrators shall appoint a presiding arbitrator. The provisions of the Indian Arbitration and Conciliation Act, 1996, shall govern the arbitration. The venue of the arbitration shall be **Ahmedabad**.

Jurisdiction:-

In the event of any dispute not resolved amicably as enumerated in clause above, Ahmedabad shall be considered as the place of execution of this work-order arrangement and only courts in Ahmedabad alone shall have jurisdiction in the matter.

SECTION 6

Technical Specifications

Camera

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR CAMERA- AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Page Ref for Supporting
A		SPECIFICATIONS TO BE COMPLIED BY THE OEM OF CAMERA'S			
1		The OEM for Camera should be the full member of the ONVIF Forum. OEM/SI to submit the Copy of the Certificate for the Same at the time of bidding.			
2		The Cameras, recording and monitoring being offered must comply to latest ONVIF Profile S and Profile G Specifications. Bidder to give the Compliance and necessary supporting for the same			
3		All types cameras and Recording & Monitoring equipment must from the same OEM make			
4		The camera OEM should have its own service centres in at least 1 metro cities in India.			
5		The Bidder should be authorised by the camera OEM specifically for the RFP. A letter in this regard should be issued by the competent authority from the camera OEM's India office.			
6		All CCTV and Recording & Monitoring equipment / products shall have quality system compliance with the ISO 9001 /UL or EN Certification. Bidder to submit the certification for the same and the Certificate should be valid in the current date and should have the name of the offered model by the SI/OEM. Non Submission of the same may lead to			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR CAMERA- AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Page Ref for Supporting
		rejection of the bids			
7		All software and firmware upgrades shall be free of charge during the warranty period.			
8		All Hardware Cabling etc. that will be required to do the POC needs to be arranged by the OEM and the Bidder and the NID will not pay anything for the same			
9		The CCTV OEM proposed should have their own Digital signal Processor and MAC ID should be registered in their own name			
10		For all cameras being offered by the Bidder all the components / parts / assembly / software used in the offered hardware and software, should not be complying to GB28181, GB/T 28181-2011; GB/T28181-2011; GBT 28181-2011; GBT28181-2011 standards. There should be no option to activate or deactivate these standards in the camera web page/Settings. OEM to give specific compliance for the same			
11		All the cameras, recording and monitoring being offered should support IPV4 as well as IPV6			
		GENERIC SPECIFICATIONS TO BE COMPLIED BY ALL CAMERA'S			
1		All the equipment of external fitment for PTZ, Bullet and HSD Camera's should be IP-66/ NEMA-4 complied and vandal proof and the same should have inbuilt heater & blower kit or better. Certificate for the Housing should be supplied			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR CAMERA- AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Page Ref for Supporting
3		For Dome Camera's/Fish Eye Camera to be fixed inside the offices and administrative area the housing should be Anti vandal. Bidder to mention the IK level available in the camera			
4		All Camera's should support interface for integration of Speakers and Microphone. For capturing the Voice and recording the same wherever required. If required if speakers are integrated to the camera with the help of above-mentioned interface then the operator should be able to transmit the audio From the Central Monitoring Station and only the speaker connected to that camera should be activated.			
5		The CAMERA shall have a Rate Control function. This function when enabled, shall allow the camera to maintain the frame rate at a reduced image quality when network congestion occurs. Should network bandwidth become further restricted, the frame rate shall then drop automatically to a suitable speed to maintain image integrity.			
6	Day/Night Support.	The Camera should support True Day/Night Mode Functionality and should be equipped with sensor ensuring that transition based on the Light conditions from day to night or vice versa happens automatically			
7		The CAMERA shall incorporate basic analytics at the edge. The following features should be supported:			
		- Intelligent motion detection			
		- Camera Tampering alarm			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR CAMERA- AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Page Ref for Supporting
8		The CAMERA should support audio detection function, which detects loud sounds via an external microphone to trigger alarms or camera actions. The CAMERA shall compare the detected sound with the threshold learned from ambient noise and the frequency to minimize false triggers. The sensitivity settings shall be Low, High and Manual (1 to 100).			
9		Cameras Shall have tampering detection function that alerts the operator if the camera is tampered with. Tampering can include spraying the camera lens, covering it with a cloth, or changing the mounting direction.			
10		The CAMERA shall be capable of image cropping in all codec's such that only the area of interest is transmitted, to reduce bandwidth and file storage requirements.			
11		The CAMERA shall be capable of deterring brute force attacks. The camera shall recognize a brute force attack and refuse HTTP requests from an attacker's IP address for a preconfigured number of seconds. The camera shall determine that a brute force attack occurred when a client authentication error occurs five consecutive times.			
12		The CAMERA shall support QoS technology using DSCP (Differentiated Services Code Point).			
13		The CAMERA shall support HTTPS client authentication..			
14		The CAMERA shall support 802.1X.			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR CAMERA- AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Page Ref for Supporting
15		The CAMERA shall have an email (SMTP) notification capability which allows the following:			
		Sending an email to pre-specified users when an alarm is triggered by either motion detection, camera-tampering detection, audio detection or sensor input image, which is linked with the alarm trigger, can be attached to the email.			
		Periodical MJPEG image and sending it via email.			
16		The CAMERA shall have privacy zone masking which blocks out unwanted or prohibited area within the video image to protect privacy. Minimum 4 shades for Masking shall be available. The camera shall be capable of masking up to eight (8) areas. Such capability shall be via Bidder supplied software or the browser-based setup menu.			
17	Operating Temperature	-10° to 50° C			
18	Network Protocols	The following Network Protocols mentioned herewith should be supported and all the cameras offered should be IPv6 ready from day one. The protocols are mentioned herewith :			
		IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, , CoS, QoS, SNMP, 802.1X ,SSL/TLS, ARP, NTCIP, CIFS/SMB			
19	On-board recording (card slot to be available)	It should have a slot for inserting a SD cards, which will record the videos for a minimum period of 4 Hours in case of Network connectivity failure and the same will be			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR CAMERA- AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Page Ref for Supporting
		transmitted back to the Server once the Network is restored. Bidder to define the maximum storage capacity of the SD cards which can be supported by the camera slot.			
20	On board Ethernet 10Base-T/100 Base-TX (RJ-45)	It should have an On-board Network Interface Port which should a transmission speed of 100 Mbps			
21	Two way Audio	It should have ports for interface of Microphone and Speaker and voice compression codec's(G.711 & G.726) should be supported			
22	Powering Options.	It should have the capability to be powered by POE/POE+ Power from the switch. Bidder to mention the POE Class and Wattage consumption for each of the Camera being offered.			
23	Safety approvals	It should comply to the any one or more safety standards as mentioned below : UL /EN/CE/LVD/ FCC/ Class A/ VCCI/ C-Tick. Bidder to attach the necessary Certifications for the same.			
24	I / O ports:	For interconnecting external Relay operated devices the camera should have at least one Input and one Output port for interconnecting or triggering ALARM based output if required			
25	Web Browser Functionality	The Camera should have inbuilt Webserver for remote viewing / settings etc			
26	Image Settings	The camera should support Date / Time Superimpose on Live image. The should support Configurable brightness, contrast, saturation, sharpness, white balance,			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR CAMERA- AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Page Ref for Supporting
		<p>exposure control, gain, backlight compensation, privacy masks.</p> <p>It should support 3D Digital Noise Reduction (DNR) for bettering the quality of the image</p>			
27	Compression Codec	It should support all compression modes MJPEG, & H.264 and H.265 or similar proprietary protocol at 25/30/60 (if the camera supports 60 FPS) FPS at 1920x1080 for 2 MP and 2560x 1920 for 5MP. For any compression methodology selected the resolution, parameters should not be comprised and when the recorded pictures are viewed at that time picture quality should not be comprised. Both the Camera and the S/w should support H.264 Codec for space saving and better viewing of stored images			
28	Multiple Streaming	The cameras should support user-selectable any combination of available video codec i.e MJPEG, & H.264/H.265 for triple streaming and out of the three streams at least two should be H.264/H.265 or similar which will offer better compression. For Video Streaming VBR (Variable Bit Rate) and CBR (Constant Bit Rate) should be supported.			
29	Inbuilt Recording facility to Store PRE and POST Alarm recording	The camera should have the Facility for Pre and Post Alarm Recording within IP camera.			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR CAMERA- AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Page Ref for Supporting
30	Alarm Triggers	The camera should generate triggers based on Motion detection, manual intervention, using the digital input, pre-configured periods , on system boot, for giving recording notification, in case of camera tampering detection, i case of audio detection, for MicroSD card life expectancy			
31	Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and MicroSD card			
		File upload via HTTP, SMTP, FTP, NAS server and MicroSD card			
32	Humidity	Camera should function in 90% Humid atmosphere			
33	Certifications	All the Camera must have at least three or more of the above certifications:			
		CE, LVD, FCC Class B, VCCI, C-Tick, UL			
34	Security Features	The camera's being offered should: facilitate administrator to get user access logs,			
		facilitate administrator to update the certificates thru centralized certificate management system, have brute force delay protection, have a signed firmware			
C	2 MP CAMERA'S				
C.1	SPECIFICATIONS FOR FULL HD 2 MP IP IR DOME TYPE CAMERA WITH FIXED LENS				
1	Imager/CCD	The images should be CMOS 1/3" or better and the same should support Wide Dynamic Functionality should be WDR Pro (minimum 110 Db or better) type only			
2	Auto-Type Iris	Fixed			
3	Number of effective pixels:	It should support a pixel resolution which is greater or equal 2 Mega Pixel or greater			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR CAMERA- AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Page Ref for Supporting
4	Lens	The camera should be loaded with Fixed focal length which should be 2.8mm or better			
5	Viewing Distance	Minimum 20 metres or better at 0 lux using Built in IR illuminators			
6	Minimum illumination :	The camera should operate in minimum light conditions and should give Colour images in the Day mode when the light illumination is around 0.4 Lux or greater .and should support B/W Viewing in the Night when the light condition deteriorates at 0 Lux with IR on. In case IR is not then B/w viewing should be possible at 0.01 Lux light			
7	Field of View	Horizontal: 100 degree or better			
		Vertical : 50 degree or better			
8	Video Resolution & frame rate:	Up to 1920X1980 on all available compression codec i.e. JPEG & H.264, H.265 for 30 fps			
9	Support for PTZ Functionality	Should support Digital Zoom. specify the maximum zoom supported			
10	Electronic shutter :	It should support Electronic Shutter speed which is in the range of 1/25 to 1/10,000s			
11	Protection	Minimum IK04 or better Inbuilt along with the Camera. Bidder to specify the same			
12	S/N Ratio	Minimum 50 Db or better			
C.2	SPECIFICATIONS FOR FULL HD 2MP IP IR DOME TYPE CAMERA WITH VARIFOCA LENS				
1	Imager/CCD	The images should be CMOS 1/2.8" or better and the same should support Wide Dynamic Functionality and the minimum should 120 Db or more			
	Auto-Type Iris	P-Iris/DC Iris			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR CAMERA- AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Page Ref for Supporting
2	Number of effective pixels:	It should support a pixel resolution which is greater or equal 2 Mega Pixel or greater			
3	Lens	The camera should be loaded with Vari focal lens with remote focus or better. Bidder to specify the supported focal length range			
4	Viewing Distance	Maximum 30 mtrs at 0 lux using Built in IR illuminators			
5	Minimum illumination :	The camera should operate in minimum light conditions and should give Color images in the Day mode when the light illumination is around 0.28 Lux or greater .and should support B/W Viewing in the Night when the light condition deteriorates at 0 Lux with IR on. In case IR is not then B/w viewing should be possible at 0.01 Lux light			
6	Field of View	Horizontal : 34 to 90 degree or better			
		Vertical : 20-48 degree or better			
7	Video Resolution & frame rate:	Upto 1920X1980 on all available compression codec i.e. JPEG & H.264, H.265 for 30 fps			
8	Support for PTZ Functionality	Should support Digital Zoom. Bidder to specify the maximum zoom supported			
9	Electronic shutter :	It should support Electronic Shutter speed which is in the range of 1/25 to 1/10,000s			
10	Protection	Minimum IK04 or better Inbuilt along with the Camera. Bidder to specify the same			
C.3	SPECIFICATIONS FOR FULL HD 2MP IP PTZ IR DOME TYPE CAMERA				
1	Imager	The images should be CMOS 1/2.8" or better and the same should support Wide Dynamic Functionality and the same should be greater than 120 Db			
2	Iris Type	P Iris/DC Iris			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR CAMERA- AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Page Ref for Supporting
3	Resolution	It should support a pixel resolution which is greater or equal 2 Mega Pixel or greater			
4	Minimum illumination (at F1.6, 30 IRE, Shutter Speed 1/30):	The camera should operate in minimum light conditions and should give Color images in the Day mode when the light illumination is around .7Lux.and should support B/W Viewing when the light condition deteriorates at .007 Lux. It will be 0 Lux with IR On.			
5	Viewing Distance	Minimum 150 metres at 0 lux. The IR Should be Smart IR and shall align itself in line with Lens when the same is Zoomed; PAN or Tilted.- Bidder to give specific compliance for the same			
6	Electronic shutter :	It should support minimum Electronic Shutter speed, which is in the range of 1 to 1/30,000s. Bidder to mention the exact shutter speed they offer for each of the camera being offered			
7	Field of View	Horizontal : 2 to 61 degree or better			
		Vertical : 2 to 35 degree			
8	Optical Zoom & lens	30 x or better. The lens should have the focal length to support 30x optical length. Bidder to specify the Focal Length of the lens being used			
9	PAN Range	360 deg endless			
10	Tilt range	220 degree or greater			
11	PAN & TILT speed	Minimum .1 °- 280°per second			
12	No. of pre-sets	Minimum of 250 positions			
13	Housing / Protection Enclosure	IP66 and IK 10 Complaint			
C.4	SPECIFICATIONS FOR FULL HD 2 MP IP IR BULLET TYPE CAMERA WITH VARI FOCAL LENS				

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR CAMERA- AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Page Ref for Supporting
1	Imager/CCD	The images should be CMOS 1/2" or better and the same should support Wide Dynamic Functionality and the minimum should 130 Db or more			
2	Auto- Iris Type	P-Iris/DC Iris			
3	Number of effective pixels:	It should support a pixel resolution which is greater or equal 2 Mega Pixel or greater			
4	Lens	The camera should be loaded with vari focal lens with remote focus which should be 4-9 mm or better			
5	Viewing Distance	Maximum 40 mtrs at 0 lux using Built in IR illuminators			
6	Minimum illumination :	The camera should operate in minimum light conditions and should give Color images in the Day mode when the light illumination is around 0.4 Lux or greater .and should support B/W Viewing in the Night when the light condition deteriorates at 0 Lux with IR on. In case IR is not then B/w viewing should be possible at 0.02 Lux light			
7	Field of View	Horizontal : 46- 100 degree or better			
		Vertical : 26-52 degree or better			
8	Video Resolution & frame rate:	Up to 1920X1980 on all available compression codec i.e. MJPEG & H.264, H.265 for 30 fps			
9	Support for PTZ Functionality	Should support Digital Zoom. Bidder to specify the maximum zoom supported			
10	Electronic shutter :	It should support Electronic Shutter speed which is in the range of 1/25 to 1/10,000s			
11	Protection	IP66 and IK 10 Complaint			
C.5	SPECIFICATIONS FOR FULL HD 5 MP IP IR BULLET TYPE CAMERA WITH VARI FOCAL LENS				

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR CAMERA- AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Page Ref for Supporting
1	Imager/CCD	The images should be CMOS 1/2.9" or better and the same should support Wide Dynamic Functionality and the minimum should 120 Db or more			
2	Auto-Iris Type	P-Iris/DC Iris			
3	Number of effective pixels:	It should support a pixel resolution which is greater or equal 5 Mega Pixel or greater			
4	Lens	The camera should be loaded with vari focal lens with remote focus which should be 2.8-8.5mm or better			
5	Viewing Distance	Maximum 30 mtrs at 0 lux using Built in IR illuminators			
6	Minimum illumination	The camera should operate in minimum light conditions and should give Color images in the Day mode when the light illumination is around 0.1 Lux or greater .and should support B/W Viewing in the Night when the light condition deteriorates at 0 Lux with IR on. In case IR is not then B/w viewing should be possible at 0.02 Lux light			
7	Field of View	Horizontal : 32- 96 degree or better			
		Vertical : 24-50 degree or better			
8	Video Resolution & frame rate:	Upto 2560x1920 on all available compression codec i.e. JPEG, H.265/H.264, for 30 fps.			
9	Support for PTZ Functionality	Should support Digital Zoom. Bidder to specify the maximum zoom supported			
10	Electronic shutter :	It should support Electronic Shutter speed which is in the range of 1/25 to 1/10,000s			
11	Protection	IP66 and IK 10 Compliant			
C.6	SPECIFICATIONS FOR IK 10 COMPLIANT 180 DEGREE FISH EYE CAMERA				

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR CAMERA- AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Page Ref for Supporting
1	Imager/CCD	The images should be CMOS 1/1.7" or better and the same should support Wide Dynamic Functionality and the same should be equal or greater than 120 Db			
2	Number of effective pixels:	It should support a minimum pixel resolution of 12 Megapixels			
3	Video Resolution & frame rate:	Up to 12 Mega Pixel on all available compression codec i.e. MJPEG, H.265/H.264. Frame Rate 30 fps on all Compression codes should be supported			
4	Lens	Fixed Focal Lens 2.4mm or better			
5	Minimum illumination (at F2.2, 50 IRE, Shutter Speed 1/50):	The camera should operate in minimum light conditions and should give Color images in the Day mode when the light illumination is around 0.5 Lux. and should support B/W Viewing in the Night when the light condition deteriorates at .02 Lux.			
6	Electronic shutter :	It should support minimum Electronic Shutter speed, which is in the range of 1/5 to 1/10,000s. Bidder to mention the exact shutter speed they offer for each of the camera being offered			
7	Field of View	Horizontal : 180 degree Vertical : 180 degree			
8	Protection	Minimum IK04 or better Inbuilt along with the Camera. Bidder to specify the same			
9	Video Resolution & frame rate:	Up to 2816x2816 on all available compression codec i.e. MJPEG, H.265/H.264, for 30 fps.			

Recording+ Monitoring OEM Hardware and Software

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR recording and monitoring with necessary OEM Hardware - AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviati on	
		Hardware Specifications			
		The Recording +Monitoring hardware & Software should be from the same OEM whose Cameras are being offered. Bidder should give a specific compliance for the same			
		The Recording +Monitoring hardware & Software being offered should comply to the latest ONVIF Profile S and G			
	Hardware Design	The entire hardware should base on Enterprise server grade architecture with redundant Power Supplies, Fans etc. Bidder to mention which components are redundant			
	Processor	Minimum Intel Xeon Quad-core processor 3.1 GHz, 8MB Cache or Higher			
	Memory	8GB or Higher			
	HDD with OS	Enterprise class hard disk 1TB/(SDD+SATA combo), 3.5" 7200 RPM, SATA, 32 MB Cache or Higher. For SSD+SATA Combo Bidder to give the breakup of SSD and SATA storage capacities			
	Operating System	Latest Windows Server edition 64 bit systems - Bidder to specify the model no.			
	Network	minimum Dual Gigabit 1000 Tx LAN ports or higher			
	RAID Controller	Embedded RAID Controller with support for RAID 0,1,5,6,10			
	Condition Monitoring	Fault/error/overload and alarm (including disk I RAID I power I fan I temperature 110 performance)			
	Storage Bay Capabilities	Support 16 x 3.5" enterprise hard disk			
	Recording Parameters	Frames: 15 fps Environment: Indoor or Outdoor based on the location of the Camera Recording Time 24 Hours a day			

SECTION 6 TECHNICAL SPECIFICATIONS

SPECIFICATIONS FOR recording and monitoring with necessary OEM Hardware - AXIS, PELCO, VIVOTEK

Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	
		Resolution Full HD for Dome, PTZ and Bullet camera, 5-10 MP for Fish eye			
	Max. Storage Capacity	Max. Usable Storage Capacity up to 70 to 80 TB for Ahmedabad location and 50 to 60 TB for Gandhinagar that will facilitate 15 day of recording for 24x7 basis Should be able to sustain 2 Drive Failure.			
	HDD Plugin	Hot-Swappable tray x16			
	Disk Management	Create, Format and Remove Disk			
	Video Clip Export	USB Dongle (FAT Format), NAS (SMB & CIFS)			
	Schedule Backup	NAS (SMB & CIFS)			
	External Interfaces	Minimum 6 at least 2 should be USB 3.0			
		Microphone audio jack input at least 01			
		3.5 Line input audio jack input at least 01			
		3.5 Line output audio jack input at least 01			
	Video Out ports	should have minimum 01 HDMI, 01 DP , 01 VGA 01 DVI			
	Graphics Decoding capability	Should have embedded Graphics Decoding facility which could be Hardware/Software based. Bidder to give the compliance for the same			
	Decoding Capacity	For H.265/H.264 the below mentioned decoding facilities should be supported			
		2560x1920 @ 30 fps (1-CH)			
		1920x1080 @ 120 fps (4-CH)			
		1280x720 @ 240 fps (8-CH)			
		1280x720 @ 480 fps (16-CH)			
		720x480 @ 960 fps (32-CH)			
	Supported Display Resolutions	HDMI: 1920x1080			
		DVI: 1920x1080			
		DP: 4096x2304			
	Firmware Update	Manual			
	Operating Temperature	5 to 35 degree			

SECTION 6 TECHNICAL SPECIFICATIONS

SPECIFICATIONS FOR recording and monitoring with necessary OEM Hardware - AXIS, PELCO, VIVOTEK

Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	
	Humidity	0 to 95%			
	Patches and Upgrades	Free of cost during the warranty period			
		Software Specifications which would be embedded in the Hardware for Camera Management and Video Recording , Playback etc.			
		Recording Parameters			
	Maximum Channel	should have licenses for 190 Channels/cameras for Ahmedabad and 120 Channels/cameras for Gandhinagar from day one			
	Record Throughput (MB)	The solution being offered should facilitate recording of all cameras simultaneously in a blocking manner. Bidder to give the details of the recording throughput supported.			
	Network Throughput (MB)	The solution being offered should facilitate recording of all cameras simultaneously in a blocking manner. Bidder to give the details of the Network throughput supported.			
	Audio Format	G.711, G.726, AMR and AAC			
	Video Format	H.265, H.264 AVC, H.264 SVC, MJPEG			
	Video Resolution	minimum Up to 12MP or higher			
	Recording Time (sec.)	Pre-Record: 5 sec to 15 sec Post-Record: 12 to 60 sec			
	Recording Stream	Single			
	Recording Mode	Recording in Continuous, Schedule, Manual, Event, Activity Adaptive Streaming should be supported			
	Recording Setting	Recycle (unit: Day)			
	Recording Path	Local Path			
	Record Video Format	3GP			
	Watermark	Supported			

SECTION 6 TECHNICAL SPECIFICATIONS

SPECIFICATIONS FOR recording and monitoring with necessary OEM Hardware - AXIS, PELCO, VIVOTEK

Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	
		Live View using the Client application on PC or Workstations			
	Stream Application	Constant/Auto Adaptive Stream			
	Audio Capability	One Way			
	LiveView Display	At least 32 Channels per display			
		Multiple Layout Display :1x1, 2x2, 3x3, 4x4, 5x5, 1+5, 1+12, 1+31			
	Monitor Enhancement	Should facilitate monitoring using the below mentioned features :			
		Drag & drop,			
		remote I/O control,			
		PiP (digital zoom), Zooms the selected area of the image			
		instant replay- Replay past 10sec recording			
		video display mode (aspect ratio, hide borders, keep top/down borders),			
		video enhancement (basic mode: brightness, contrast, saturation, hue; intelligent mode: defog, rain, snow, fire/smoke)			
	PTZ Control	Panel Control			
	PTZ Operation	Direction Control, Home, Zoom, Focus, Iris, Preset, Patrol (Group), PiP Control			
	Snapshot	JPEG			
		Playback using the Client application on PC or Workstations			
	Playback Display	minimum 16 Channels be played back simultaneously			
		Multi-Layout Display: 1x1, 2x2, 1+5, 3x3, 1+12, 4x4, 2V, 3V, 4V, 2V+3			
	Playback Control	Play, rewind, pause, stop, next/previous video start, next/previous frame, 1/8X ~ 64X speed control, bookmark			
	Monitor Enhancement during	Should facilitate monitoring using the below mentioned features :			

SECTION 6 TECHNICAL SPECIFICATIONS

SPECIFICATIONS FOR recording and monitoring with necessary OEM Hardware - AXIS, PELCO, VIVOTEK

Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	
	playback	Drag & drop, remote I/O control, PiP (digital zoom), Zooms the selected area of the image instant replay- Replay past 10sec recording video display mode (aspect ratio, hide borders, keep top/down borders), video enhancement (basic mode: brightness, contrast, saturation, hue; intelligent mode: defog, rain, snow, fire/smoke)			
	Snapshot	BMP & JPEG			
	Video Clip Export	AVI, 3GP & EXE			
		Alarm Management			
	Alarm Period (sec.)	Max. 30			
	Alarm Filter	Name, time, source, event type, state			
	Alarm Setting	Live View alarm notification: fixed & popup, alert sound			
	Schedule Type	Continuous, schedule, manual			
	Camera Event	Motion, DI/O, video lost/restore, PIR, tampering, temperature, IR, PPTZ, line crossing detection, loitering detection, field detection, audio detection, SD card life expectancy detection, shock detection, ONVIF motion event, ONVIF DI/O, ONVIF video lost/restore			
	Camera Status	Connection status, recording status, recording error			
	Substation	Substation connection status, substation DI/DO trigger			
	Storage Status	Storage connection status, storage capacity status			
	Station Status	License status, network status, virtual memory status			
	External Devices Event	DI/O (with I/O box)			
	Action	Email, start recording, move to pre-set location, set DO, GSM short message, HTTP & client notification			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR recording and monitoring with necessary OEM Hardware - AXIS, PELCO, VIVOTEK					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	
	Alarm State for Management	New, assigned, in progress, resolved, closed, later, reject, ignore			
	Alarm Result Export	.csv File			
	Marked	Add, remove, direction control, PTZ control & indicator Live View			
	Event Notification	Event icon light flash, show live streaming on eMap			
	Logs	System, Recording, User, Error			
		User Management			
	User Authentication models	Basic Account / Windows AD Account			
	Maximum no. of Users than can be created	1024			
	User Account Time Limit	No limitation, By Time & By Day			
	User Account Time Schedule:	Weekly Setting			
	User Level	Administrator / View only/ Guest. If any other options available Bidder to specify the same			
	Date Time	Time Zone, Manual, Automatic Sync NTP, Daylight Saving Time			
		Configuration Backup/Restore			
	Restore Default	Supported			
	Backup/Restore(Configuration)	Supported			
		Camera Integration			
	Discovery	thru Manual and Search Mode			
	Video (Media) Setting	Facilitates selection of Compression codecs, Resolution, FPS, Video Quality			
	Image Setting	Image Display, Image Adjustment			
	PTZ Control	Thru Panel Control or any windows compatible Joystick (Bidder to give compliance			

SECTION 6 TECHNICAL SPECIFICATIONS

SPECIFICATIONS FOR recording and monitoring with necessary OEM Hardware - AXIS, PELCO, VIVOTEK

Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	
		related to the compatibility part)			
	PTZ Operation	Direction Control, Home, Pre-set, Patrol (Group)			
	Motion Detection	should be Supported			
	ONVIF Core Spec	Version 2.2			
	ONVIF Stream	Video(H.264 & MJPEG)			
	ONVIF Recording	Continuous, Schedule, Manual			
	ONVIF Discover	Discover the other brand camera through "Insert Camera & Batch Insert"			
		Other Device Integration for manageability and monitoring			
		Bidder to specify if they can discover other devices other than Camera's in the Software from viewpoint of manageability			
		Management			
		If multiple device are offered as a part of the solutions and any management software is required additionally to facilitate NID for managing the viewing from different devices then the same should be included in the offering and commercials should be offered in the pricing of the hardware software bundle			

Structured cabling components:-

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR STRUCTURED CABLING					
MAKES: COMMSCOPE, MOLEX					
Sr_ No	Parameter	Specification	Compliance Y/N	Deviation	Ref. Page
A		OEM Pre qualifications			
1		OEM should have direct presence in India more than at-least 10 years (Supporting documents required)			
2		OEM should be a member of Telecommunications Industry Association (TIA) Information and Communications Technology (ICT) Companies ICT Green Initiative to support energy efficient environment			
3		OEM should submit all the required standard reports and certificates along with the submission of bid and in case the OEM fails to submit any document then the bid will be disqualified.			
4		OEM should have at least One RCDD certified person			
5		All networking passive material like Copper Cable; Accessories for Copper Cable should be from one OEM make only.			
6		If the Bidder is not an OEM and SI is bidding,SI should be authorized by Bidder with an authorization certificate. If the same is not there the bid is subject to disqualification			
B		General notes			
		This document defines the cabling system and subsystem components to include cable, termination hardware, supporting hardware, and miscellany required to supply, a complete cabling infrastructure supporting data, voice and video.			
C		REFERENCE STANDARDS			

SECTION 6 TECHNICAL SPECIFICATIONS

**SPECIFICATIONS FOR STRUCTURED CABLING
MAKES: COMMSCOPE, MOLEX**

Sr_ No	Parameter	Specification	Compliance Y/N	Deviation	Ref. Page
		Design, manufacture, test, and install data distribution systems per manufacturer's requirements and in accordance with NFPA 70 (National Electric Code), state codes, local codes, requirements of authorities having jurisdiction, and particularly the following ANSI/TIA/EIA Standards			
1		ANSI/TIA/EIA/568-C.1, Commercial Building Telecommunications Cabling Standard - 2009			
2		ANSI/TIA/EIA 568-C.2, Copper Cabling Components Standard			
3		ANSI/TIA/EIA-606-A, Administration Standard for the Telecommunications Infrastructure of Commercial Buildings			
4		ANSI/J-STD-607-A, Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications			
5		Building Industries Consulting Services International (BICSI) Telecommunications Distribution Methods Manual (TDMM)			
6		ANSI/TIA-942, Telecommunications Infrastructure Standard for Data Centers			
D		Grounding Considerations			
1		Grounding system shall be an integral part of the telecommunications wiring system. In addition to helping protect personnel and equipment from hazardous voltages, the grounding system shall reduce the effect of electromagnetic interference ((EMI) to and from the telecommunications wiring system.			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR STRUCTURED CABLING					
MAKES: COMMSCOPE, MOLEX					
Sr_ No	Parameter	Specification	Compliance Y/N	Deviation	Ref. Page
2		Grounding shall meet the NEC requirements and practices or local authorities or codes whichever impose a more stringent requirement.			
E		SPECIFICATIONS FOR CAT6 CABLE AND ACCESSORIES (COMMSCOPE, MOLEX)			
E.1		CAT6 CABLE SPECIFICATIONS			
1		UTP LSZH Cable, TIA-568C.2, Category-6 , IEC-60332-1/UL 1581 (305 Mtrs./1000 feet per Box)			
		Minimum Specifications			
2	Material:				
2.1	Conductors	23 AWG solid bare copper or better			
2.2	Insulation	Polyethylene			
2.3	Jacket	LSZH - Shall be Fire-Retardant, Low-Smoke & Zero-Halogen as per IEC 60332-1, IEC 61034-2 & IEC 60754-1 respectively			
2.4		Shall be 4-pair Unshielded twisted pair with a cross filler/ isolator (+), meeting Category 6 tested till 600 MHz as per TIA-568C.2. (ETL Report require).			
2.5		Should comply with all of the performance requirements for current and proposed applications such as Gigabit Ethernet, 100BASE-Tx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice.			
2.6		The Category 6 Solution shall fully comply with the link segment specifications for 1000 Base-TX in addition to the ANSI/TIA and ISO/IEC Category 6 requirements.			
2.7		Shall have the length printed on the outer jacket of the			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR STRUCTURED CABLING					
MAKES: COMMSCOPE, MOLEX					
Sr_ No	Parameter	Specification	Compliance Y/N	Deviation	Ref. Page
		cable after every meter.			
2.8		Shall be RoHS Compliant			
E.2		CAT6 UTP JACK SPECIFICATIONS			
1		PCB based Information Outlet (I/O) RJ45, TIA-568C Category-6, Termination of Category-6 UTP Cable, UL listed			
	Minimum Specifications				
2		Shall conform to Category-6 as per the EIA/TIA-568C.2			
3		Shall support network line speeds up to 1 Gbps			
4		Shall have RJ-45 type connector with strain relief for securing IDC contacts from external forces. Shall have a feature to maintain the bend radius of the cable while entering the jack.			
5		Shall have minimum durability of 750 mating cycles and 20 termination cycles			
6		Shall Snap into standard faceplates, surface-mount boxes, consolidation point boxes, and Modular Panels			
7		Shall be mountable at either 90 degrees (straight) or 45 degrees (angled) in any faceplate.			
8		Shall be certified by independent labs like ETL/GHMT for compliance to EIA/TIA-568C.2, (Report required)			
9		Shall be RoHS Compliant			
10		Shall have minimum 15-Year Extended Product Warranty and system warranty			
E.3		CAT6 UTP JACK PANEL SPECIFICATIONS			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR STRUCTURED CABLING					
MAKES: COMMSCOPE, MOLEX					
Sr_ No	Parameter	Specification	Compliance Y/N	Deviation	Ref. Page
		UTP Jack Panel UL listed, Unloaded with 24 nos. UTP ports for PCB based IO Jacks (RJ45, TIA-568C Category-6, Installation and Termination of all 24 nos. Category-6 UTP Cable			
Minimum Specifications					
1		Shall be unloaded with individually replaceable 24 nos. Category-6 I/O Jacks complying with TIA-568.C.2			
2		Shall be 19" rack mountable and of 1U height & complete with all mounting accessories, UL listed			
3		Shall have labels for identification of ports			
4		Should have integrated bonding bar for grounding individual jacks			
5		Shall be RoHS Compliant			
6		Shall have minimum 15-Year Extended Product Warranty and System Warranty			
7		Shall be having a 6 port module construction for better cable dressing at the rear			
8		Shall have Comprehensive port numbering on front			
9		Shall be suitable for loading unshielded & shielded jacks for different category systems (CAT 6 & CAT 6A)			
10		Shall be certified by independent labs like ETL/UL etc.			
E.4		CAT6 1G WORKSTATION / EQUIPMENT CORDS SPECIFICATIONS			
		<u>Cat 6 UTP Patch Cable, TIA-568C Category-6, UL-listed</u>			
Minimum Specifications					
1		Length shall be available in 1/2/3/5 meters or equivalent length in feet			

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR STRUCTURED CABLING					
MAKES: COMMSCOPE, MOLEX					
Sr_ No	Parameter	Specification	Compliance Y/N	Deviation	Ref. Page
2		All patch cords shall conform to Category 6 & conductor shall be stranded for better flexibility			
3		Shall support network line speeds up to 1 Gbps			
4		Shall have RJ-45 jacks with transparent plugs at both the ends			
5		All patch cords shall be factory crimped and packed			
6		Shall be RoHS Compliant			
7		Shall have LSZH jacket for safety measures			
8		Shall have a transparent / clear boot			
9		Shall support applications such as 155 Mbps ATM, token ring & VOIP.			
10		Shall have minimum 15-Year Extended Product Warranty and system warranty			
11		Colours- Blue, Grey, Yellow, Red & Orange			

Switching:-

SECTION 6 TECHNICAL SPECIFICATIONS					
SPECIFICATIONS FOR SWITCHING - HPE					
Sr_ No	Parameter	Specification	Compliance Y/N	Deviation	Ref. Page
1		The existing Switching Stacks are from HPE and they are made using HPE 5130 switches			
2		The stack will be expanded by adding the switch of same make and model and Bidder has to provide the same switch HPE 5130 24G PoE+ 4SFP+ EI Switch (Part code JG936A) along with Power cord and stacking cable (Part code JD096C).			
3		Three years warranty should be provided on all the hardware being provided			

Display:-

SECTION 6					
SPECIFICATIONS FOR + LFD'S - LG/SONY/Samsung					
Sr. No	Parameter	Specifications	Compliance Y/N	Deviation	Ref Page no.
1	H-Scanning Frequency	Should be in the band of 30 - 81KHz			
2	Maximum Pixel Frequency	Minimum 148.5MHz			
3	V-Scanning Frequency	Should be in the Band 48 - 75Hz			
PANEL					
4	Diagonal Size	48/49"			
5	Type	IPS			
6	Resolution	1920 x 1080 (16:9)			
7	Brightness	Minimum 450nit			
8	Contrast Ratio (Dynamic)	Minimum 1100:1 in AV Mode			
9	Viewing Angle(Horizontal/Vertical)	Minimum 178 / 178°			
10	Operation Hours	24 Hrs.			
INPUT					
11		DP DVI-D (Dual Link) Component, CVBS, HDMI x3, Stereo Mini Jack Connectivity, USB 3.0			
OUTPUT					
12	Video	DP			
13	Audio	Stereo Mini Jack			
14	External Control	RS232C (In / Out), RJ45			
GENERAL FEATURES					
15	Special	Built in Speaker (10 watts + 10 watts), Plug and Play (through USB), PIP / PBP, arrow Bezel, Light Weight,			
16	Wi-Fi	Should have built in Wi-Fi			
17	Mirroring support	Should support Mirroring from other devices using Wi-Fi and BLE			
18	Operating temperature	0 to 40 degree			
19	Humidity	10 to 80 %			

SECTION 7**Un priced Bill of Quantities - Surveillance, Passive and Switches**

SECTION 7					
UNPRICED BOQ SURVEILLANCE AND NETWORKING COMPONENTS INCLUDING CAMERAS, VMS, SWITCHES, DISPLY AND PASSIVE CABLING COMPONENTS AT NATIONAL INSTITUTE OF DESIGN AHMEDABAD AND GANDHINAGAR CAMPUSES					
Sr_No	Description	UOM	Qty	Make	Model
A	CAMERA'S				
1	H.265 compliant 2 MP IR Fixed Dome supporting full HD resolution with all required accessories for mounting and installation	Set	60		
2	H.265 compliant 2 MP IR Vari Focal Dome Camera's and supporting full HD with all required accessories for mounting and installation	Set	55		
3	H.265 compliant 12 MP Camera facilitating 180 degree Panoramic view with all required accessories for mounting and installation	Set	2		
4	H.265 compliant 2 MP IR Vari Focal Outdoor ready Bullet Camera's supporting full HD resolution with all required accessories for mounting and installation	Set	58		
5	H.265 compliant 5 MP IR fixed Outdoor ready Bullet Camera's supporting full HD resolution with all required accessories for mounting and installation	Set	35		
6	H.265 compliant 2 MP IR Outdoor ready PTZ Camera with 30X Zoom supporting full HD resolution with all required accessories for mounting and installation	Set	2		
B	RECORDING AND MONITORING HARDWARE AND SOFTWARE				

SECTION 7					
UNPRICED BOQ SURVEILLANCE AND NETWORKING COMPONENTS INCLUDING CAMERAS, VMS, SWITCHES, DISPLY AND PASSIVE CABLING COMPONENTS AT NATIONAL INSTITUTE OF DESIGN AHMEDABAD AND GANDHINAGAR CAMPUSES					
Sr_No	Description	UOM	Qty	Make	Model
1	Recording and Monitoring hardware and software as per the specifications for Ahmedabad location	Set	1		
2	Recording and Monitoring hardware and software as per the specifications for Gandhinagar location	Set	1		
D	SWITCHES				
1	24 Port POE+ Switches HPE5130 along with 10G DAC Cable for stacking as per the specifications	Set	11		
2	LR SPF+ 10G Module for the edge switch (Qty may vary as per the actual requirement)	Nos	11		
3	SR SPF+ 10G Module for the edge switch (Qty may vary as per the actual requirement)	Nos	11		
E	PASSIVE				
1	CAT 6 Cable BOX (305 Mtrs)	Nos	50		
2	CAT 6 IO - for 1G Operation	Nos	260		
3	Face Plate Simplex for CAT6 IO	Nos	260		
4	Surface Mount Box compatible with CAT6 face plates	Nos	260		
5	Loaded 24 Port Jack Panel for CAT6 Cable	Nos	18		
6	3 ft. Category 6 Patch Cord	Nos	260		
7	7 Ft. Category 6 Patch Cord	Nos	260		
F	Display				
1	Display as per the specifications	Nos	4		

Accessories for the Cabling and Camera

SECTION 7					
UNPRICED BOQ FORMAT FOR NID AHMEDABAD AND GANDHINAGAR SURVEILLANCE PROJECT (ACCESSORIES)					
Sr_No	Description	UOM	Qty	Make	Model
1	SITC of 40mm thick, 6 Kg ISI Make HDPE Pipe for cable Laying with all accessories	Mtr.	400		
2	SITC of Pre-Fabricated Concrete Chambers 900mm wide x 850 high with 50 mm Lead Cover and same will be mounted on 100 mm thick cover inside. Over this 1.5 Ft of Mud Cover	Nos.	10		
3	SITC of 4" GI Pipe for Horizontal Boring CLASS B with Couplers and accessories	Mtr.	40		
4	SITC cable Route Markers - 1 per 100 Mtr	Mtr.	10		
5	SITC of 2mm thick, heavy duty, ISI mark PVC conduit pipe of 25mm diameter with all accessories with require specification : UPVC HMS Type Conduits and accessories manufactured in accordance with IS: 9537 Part 3, BS: EN 61386 – 21 for UPVC conduits, IS: 3419 and BS: 4607 for UPVC fittings.	Mtr.	2600		
6	SITC of 2mm thick, heavy duty, ISI mark flexible PVC conduit pipe of 25mm diameter with all accessories with require specification : UPVC HMS Type Conduits and accessories manufactured in accordance with IS: 9537 Part 3, BS: EN 61386 – 21 for UPVC conduits, IS: 3419 and BS: 4607 for UPVC fittings.	Mtr.	1600		
7	SITC of 2mm thick, heavy duty, ISI mark PVC conduit pipe of 32mm diameter with all accessories with require specification : UPVC HMS Type Conduits and accessories manufactured in accordance with IS: 9537 Part 3, BS: EN 61386 – 21 for UPVC conduits, IS: 3419 and BS: 4607 for UPVC fittings.	Mtr.	1800		

SECTION 7					
UNPRICED BOQ FORMAT FOR NID AHMEDABAD AND GANDHINAGAR SURVEILLANCE PROJECT (ACCESSORIES)					
Sr_No	Description	UOM	Qty	Make	Model
8	SITC of 2mm thick, heavy duty, ISI mark PVC flexible conduit pipe of 32mm diameter with all accessories with require specification: UPVC HMS Type Conduits and accessories manufactured in accordance with IS: 9537 Part 3, BS: EN 61386 – 21 for UPVC conduits, IS: 3419 and BS: 4607 for UPVC fittings.	Mtr.	800		
9	SITC of ISI make 100*50 mm trucking with all accessories (Trunking manufactured in accordance with Indian Standards IS: 14927 Part 2 and BS: EN 50085-2-1)	Mtr	80		
10	SITC of ISI (IP66/IP67) outdoor junction boxes 75x75	Nos	100		
11	SITC of 6 mtr high 114 mm dia B class hot deep GI pole with 30mm x 30mm x 15mm MS Base plate as required with 86 micron.	Nos	8		
12	Soft Soil Digging (Minimum 2 feet deep)	Mtr.	400		
13	Hard Soil Digging	Mtr.	200		
14	12U Wall mount rack with rack dressing	No.	2		
15	Jari Work	Mtr.	3000		

Installation Components

SECTION 7					
UNPRICED BOQ FORMAT FOR NID AHMEDABAD AND GANDHINAGAR SURVEILLANCE PROJECT (INSTALLATION COMPONENTS)					
Sr_No	Description	UOM	Qty	Make	Model
1	UTP Cable laying charges in Pre-laid PVC Conduit	Mtr.	15600		
2	Information outlet termination charges: including SMB/face plate fixing	Nos.	260		
3	Ferruling/ labelling for I/O at both ends	Nos.	520		
4	Site Certification Charges if any	Set	2		
5	patch panel termination	Nos.	2		
6	Wall Mount Rack Installation with Dressing	Nos.	2		

SECTION 7					
UNPRICED BOQ FORMAT FOR NID AHMEDABAD AND GANDHINAGAR SURVEILLANCE PROJECT (INSTALLATION COMPONENTS)					
Sr_No	Description	UOM	Qty	Make	Model
7	42U Floor Standing Rack installation with rack dressing	Nos.	2		

Note:-

Invoicing for accessories and installation items related to the cabling part should be invoiced at actual and NID will pay the bidder as per the actual supply and quantities installed. As mentioned in the terms and condition after the work-order is awarded to the bidder, bidder will do a joint survey with NID team, define the locations, and estimate the quantities of cable, accessories that will be required during the project. Based on the quantities agreed NID will release the purchase order with these quantities defined

Section – 9

Performance Bank Guarantee

(To be stamped in accordance with Stamp Act)

Ref: Bank Guarantee No.

Date:

To,
The Director
National Institute of Design
Opp Musuem,
Paldi Ahmedabad 380007
Gujarat - India.

Dear Sir,

1. WHEREAS..... (Name of Bidder) hereinafter called "the Bidder" has undertaken, in pursuance of Agreement dated, (here in after referred to as "the Agreement SYSTEM INTEGRATION OF VARIOUS WORKS AT NID Ahmedabad. And WHEREAS it has been stipulated in the said Agreement that the Bidder shall furnish a Bank Guarantee ("the Guarantee") from a scheduled bank for the sum specified therein as security for implementing PROJECT.

WHEREAS we _____ ("the Bank", which expression shall be deemed to include it successors and permitted assigns) have agreed to give National Institute of Design (NID) the Guarantee:

THEREFORE, the Bank hereby agrees and affirms as follows:

The Bank hereby irrevocably and unconditionally guarantees the payment of all sums due and payable by the Bidder to NID under the terms of their Agreement dated _____. Provided, however, that the maximum liability of the Bank towards NID under this Guarantee shall not, under any circumstances, exceed _____ in aggregate.

3. In pursuance of this Guarantee, the Bank shall, immediately upon the receipt of a written notice from NID in that behalf and without delay/demur or set off, pay to NID any and all sums demanded by NID under the said demand notice, subject to the maximum limits specified in Clause 1 above. A notice from NID to the Bank shafll be sent by Registered Post (Acknowledgement Due) at the following address:

Attention Mr. _____.

4. This Guarantee shall come into effect immediately upon execution and shall remain in force for a period of months from the date of its execution. The Bank shall extend the Guarantee for a further period, which may mutually decide by the Bidder&

NID. The liability of the Bank under the terms of this Guarantee shall not, in any manner whatsoever, be modified, discharged, or otherwise affected by:

- Any change or amendment to the terms and conditions of the work-order or the execution of any further Agreements.

- Any breach or non-compliance by the Bidder with any of the terms and conditions of any Agreements/credit arrangement, present or future, between Bidder and the Bank.

5. The BANK also agrees that NID at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against the BIDDER and not withstanding any security or other guarantee that NID may have in relation to the Bidder's liabilities.

6. The BANK shall not be released of its obligations under these presents by reason of any act of omission or commission on the part of NID or any other indulgence shown by NID or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving the BANK.

7. This Guarantee shall be governed by the laws of India and the courts of Ahmedabad shall have jurisdiction in the adjudication of any dispute, which may arise hereunder.

Dated this the Day of

Witness

(Signature)

(Name)
Stamp

(Signature)

Bank Rubber

(Name)

(Official Address)

Designation with Bank Stamp

In addition, Attorney as per Power of Attorney No. Dated:

Section – 10

Annexure – I

Earnest Money Deposit & Tender Fee Details

Sr. No.	Item	Amount (In Rs.)	Name of the Bank & Branch	Demand Draft No.
2	Tender Fee			
1	Earnest Money Deposit (E.M.D.)			

Annexure – II

TENDER LETTER FORM

Date: _____

From
(Registered name and address of the Bidder.)

Date:

To,
The Director
National Institute of Design
Opp Musuem,
Paldi Ahmedabad 380007
Gujarat – India

Sir,
Having examined the tendering documents, we the undersigned, offer to supply, install, test, integrate and commission of Multiple Systems as detailed in the bidding document (as enclosed) in response to T/E numberdated

we undertake to:
maintain validity of the Tender for a period of 4(120 days) months from the last date of Tender submission as specified in the bidding document or extended. The same shall remain binding upon us and may be accepted at any time before the expiration of that period.

supply, install, test, integrate, commission and maintain the "Systems" for a period of 36 months (warranty period) in conformity with the bidding documents (and as amended from time to time).

Assistance in Operation and Comprehensive Maintenance of system for a period of 3 years (after commissioning of the system).Commission the "Systems" within the time frame as defined in the Tender documents (and as amended from time to time)

execute work-order in totality and provide all securities & guarantees as required in the Tender document (and as amended from time to time).until a formal work-order is prepared and executed, this Tender, together with your written acceptance thereof and your notification of award, shall constitute a binding work-order on us.

certify that products and Systems to be supplied shall be from eligible countries as specified in the above mentioned T/E document.

We hereby confirm full compliance with all of terms and conditions of the this tender

Dated this _____ day of _____.
(in the capacity of)

Signature

Duly authorized to sign Tender for and on behalf of

Witness:

(Signatures with name and designation), Address, etc:

**Annexure III
Manufacture's Authorization Form**

Date:

To,
The Director
National Institute of Design
Opp. Musuem,
Paldi Ahmedabad 380007
Gujarat - India

RFP Ref: RFP NO: _____ and due on _____

Sub: Authorization Letter for Bidding for the above tender

Dear Sir,

We _____ who are established and reputable manufacturers and head office /manufacturing hereby authorize _____ to submit a bid, and sign the work-order with you for the goods manufactured by us against the above IFB.

We hereby extend our full guarantee and warranty for the goods supplied by us, Confirm that the products quoted are not end of life products, and we confirm that we would provide post warranty support including spares, patches for the quoted products available for next 5 years. (3 Year warranty + 2 year extended)

Yours faithfully,
Authorized Signatory

Manufacture's Authorization Form for passive network

Date:

To,
The Director
National Institute of Design
Opp. Musuem
Paldi Ahmedabad 380007
Gujarat – India

RFP Ref: RFP NO: _____ and due on _____

Sub: Authorization Letter for Bidding for the above tender

Dear Sir,

Inquiry Reference No. _____

We _____ who are established and reputed

manufactures of _____ having factories at _____ and

_____ do hereby authorise M/s _____

(Name and address of agent/dealer) to offer their quotation, negotiate and conclude the contract with you against the above Inquiry.

We hereby extend our full guarantee and warranty as per terms and conditions of the Inquiry and the contract for the equipment and services offered against this Inquiry by the above firm.

Yours faithfully,
Authorized Signatory

Annexure IV

Work Experience Camera + Recording monitoring

Experience in supply, installation commissioning and maintenance for Surveillance Solutions							
Sr. No	Name of the Organization	Address of Installation	Start Date of the Project	Completion Date of the Project	Scope of Work Description in Brief of the Components used in the Solutions (CAMERA+ Recording monitoring)	Value of The Project in Rs.	Supporting PO and Completion Certificate attached or not
1							
2							
3							
4							
5							
6							

Annexure V

Financial Strength of the Bidder

Financial Year	Turn Over in Lakhs Rupees	System Integration Turnover in LACS	Audited Accounts submitted. (Yes/No) and Supporting Auditor Certificate for SI Turnover submitted (YES/NO)
2017-2018			
2018-2019			
2019-2020			

Note: Please fill this form and attach the audited Annual Accounts for the last three financial years along with the Auditor Certificate confirming the System Integration Turnover

Annexure – VI

Format of Indemnity Bond

To be furnished in Stamp paper as per Stamp Act)
(Stamp Paper should be purchased in the name of the SELLER)
(At present not less than Rs.80/- stamp paper)

This deed of Indemnity executed by hereinafter referred to as 'Indemnifier' which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators, representative and assignees in favour of National Institute of Design, Ahmedabad, hereinafter referred to as the 'Indemnified' which expression shall unless repugnant to the context or meaning thereof, include its successors and assignees witnesses as to.

Whereas the indemnified herein has awarded to the Indemnifier herein a purchase order for the supply of on terms and conditions set out interalia in the Purchaser's order No..... valued at Rs.....(Rupees only)

And Whereas, clause of the above mentioned purchase order provides for guarantee (ie) to be free from defect due to faulty material or workmanship for a period of.....calendar months from the date of receipt of stores or actual working hours from the date of commissioning whichever is earlier of the stores supplied by the Indemnifier to the indemnified.

The indemnifier hereby irrevocably agrees to indemnify the indemnified that in the event of the

stores not achieving the life guarantee, the indemnifier shall as may be deemed necessary repair the defective stores at site, free of cost, within a reasonable time specified by the indemnified or reimburse the pro-rata cost of the stores to the extent a life not achieved as per the guarantee, or supply a spare stores for the defective portion only free of cost at site in respect of his purchase order obligations emanated from the purchase order already referred to the extent of

Rs.....(Rupees..... only)

for.....

Station : (Signature with Name and Designation)

Date :

Company Seal

Witness:

1.....

Signature with Name, Designation & Address.

2.....

Signature with Name, Designation & Address