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**EXPRESSION OF INTEREST (EOI) FOR SUPPLY & INSTALLATION OF
CCTV CAMERAS AND ACCESSORIES FOR SECURITY SURVEILLANCE
SYSTEM AT SPA BHOPAL**

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EXPRESSION OF INTEREST (EOI) FOR SUPPLY & INSTALLATION OF CCTV CAMERAS AND ACCESSORIES FOR SECURITY SURVEILLANCE SYSTEM AT SPA BHOPAL

1. Important Dates:

Name of work	Invitation for Expression of Interest (EOI) Supply & Installation of CCTV Cameras and its accessories for Security Surveillance System at SPA Bhopal campus at Bhauri, Bhopal
Last date of submission of EOI proposal (along with Annexure – 1 & 2)	5.3.2018
Evaluation of proposals	Upto 7.3.2018
Intimation to qualified suppliers for presentation	8.3.2018
Date of presentation before committee (Only for qualified suppliers)	9.3.2018
Last Date of submission of Financial proposals (only for qualified supplier)	14.3.2018
Opening of Financial Proposal	16.3.2018
Issue of work order	By the end of March, 2018

2. Scope of work :

In view of large number of students studying and residing in campus as well the commuters visiting various departments, Residential Campus heightened security threat; SPA Bhopal intends to upgrade the security of public places through the CCTV surveillance systems.

- (i) Approx 70 (numbers may increase or decrease in due course based on requirement/buffer) cameras are required to be installed in whole campus of SPA Bhopal with required accessories.
- (ii) The Institute requires CCTV cameras from any one of the following:
SONY, PANASONIC, D-LINK, CISCO, TYCO, SANYO, VIDEOCON, BOSCH, SAMSUNG, LG, PELCO, HONEYWELL with proper storage unit in form of NVR or Server.
- (iii) Day & Night online surveillance of crowded locations/busy public places on a 24X7X365 days basis. Connectivity and monitoring from all the sites of installation should be available at SPA, Security Monitoring Control Room .

- (iv) The facility of recording at each of the installation should be for a minimum period of 24x7 days and redundant recording should be available at camera level, in case of power failure. The recording facility available at the central level in respect of all the locations should be ranging from 15 to 30 days.as given in the location table.
- (v) Storage facility of recording in the form of back-up storage should be available in Security Monitoring Room.
- (vi) The monitoring should consist of a combination of PTZ (Pan Tilt Zoom) & Fixed Cameras (Day & Night Vision) and a suitable connectivity and mechanism shall be suggested by the bidders in their documents in the Expression of Interest.

3. Functional Requirement (Solution) :

- (i) Institute has identified Gate Complex for control room for recording and viewing of all the cameras.
- (ii) The solution should give option to record the video on different frame rates for individual camera at central location.
- (iii) Future possibility of coverage/adding more locations/cameras, if required.
- (iv) The recording resolution and frame rate for each camera shall be user programmable.
- (v) All the cameras should be provided with suitable surge suppressor against lightning in power, signal & video lines.
- (vi) All the cameras and equipment meant for outdoor installations shall be suitable to work from 0°C to 50°C with relative humidity up to 95% non-condensing.
- (vii) All camera recording shall have camera IDs & location of recording as well as date/time stamps and recording of real-time mode.
- (viii) In order to optimize memory while recording, video shall be compressed using MPEG4 or better standard over the IP network. Once on the network, video can be viewed on a control room work station or on a monitor using a hardware decoder.
- (ix) The system shall be triplex, i.e. It should provide facility of viewing, recording and replay simultaneously.
- (x) The supplier should propose most suitable, economical integrated system solutions and development of an effective network to provide 100% uptime for the entire links in a manner that operational data should not be lost in case of failure of equipment or communication network and provision of suitable disaster recovery mechanism should be provided
- (xi) The supplier need to provide solution, integrating all previously installed 28 cameras in institute's premises (academic building – 12 cameras, Hostels – 14 camera and library – 2 camera) without changing their location and specifications.

- (xii) **The functional requirement is only indicative; the system vendor shall quote latest system available at the time of submitting EOI.**

Following are the designated locations, where CCTV cameras are to be installed: Gate Complex is identified as control room for entire operation, storage and display.

S. No	Location	Number of Cameras	Type of Camera	Minimum Storage days
(i)	Main Gate	3	One PTZ Two Bullet	30 days
(ii)	QIP(Administrative Block)	1	One dome	15 days
(iii)	Academics	30	All dome	15 days
(iv)	Hostel 1 (boys)	2	bullet	15 days
(v)	Hostel 2(Boys & girls)	10	Bullet	15 days
(vi)	Hostel 3(girls)	10	Bullet	15 days
(vii)	Circle 1(after gate) 1. Pointing to QIP 2. Pointing to Academics	2	Bullet	15 days
(viii)	Circle 2(Staff Quarters)	1	Bullet	15 days
(ix)	Circle 3(lakeside)	1	Bullet	15 days
(x)	Circle 4 (Hostel 1 back side)	1	bullet	15 days
	Total cameras	61		

NOTE: Companies/Firms are requested to visit the site before preparation of their proposal and submit the same in the format enclosed at Annexure 1 and Annexure 2.

- (xiii) Installation includes not only installation of camera but also integration of monitors, computer/server and also the installation of viewer software in presently owned computers of SPA Bhopal.
- (xiv) The wiring, including installation of POE (Power over Ethernet) injector, conduits and cables installation from switch to the camera will be vendor's responsibility.

- (xv) The software solution to be provided by the bidder must be Linux compatible.
- (xvi) Installation to be done under supervision of SPA authorized personnel.
- (xvii) Any pole required to install a camera for a particular location will be provided by SPA Bhopal.
- (xviii) A requisite KVM (Key Board Video Monitor) switch to be installed so that all the servers can be controlled by one mouse and keyboard.
- (xix) The supplier shall propose the most suitable integrated system solutions.

4. **Brief description of Pre – qualification criteria**

- (i) The supplier must produce latest OEMs (Original Equipment's Manufacturers) Authorization Certificate with blue ink signature and should also have authorization for extending full support of maintenance and spares.
- (ii) The supplier should have minimum average annual financial turnover of Rs.50.00 lakhs during last three years ending March 2017 duly certified by Chartered Accountant. (Annual Return/Balance sheet of last three years (FY 2014-15, 15-16 & 16-17) (document need to be attached as proof)
- (iii) The supplier should have executed atleast two projects of IP Based CCTV Cameras and its Accessories (Security Surveillance System) of 15 lakhs each in previous three years (work completion certificate from authorized personnel of the company need to be attached)
- (iv) Letters of reference from past customers together with contact, address etc. to show past performance in the execution of projects of a comparable nature and complexity.
- (v) The supplier should provide a bank solvency certificate of Rs. 5 lakh.
- (vi) No consortium will be entertained, only individual agencies will be allowed to quote.

5. **Other Requirements and Important Terms and Conditions :**

- (i) Warranty & Comprehensive Maintenance
 - a) The complete system shall be under three years warranty, after successful testing, commissioning & handing over to SPA Bhopal and defect free maintenance during the period.
 - b) Supplier shall make necessary arrangements for keeping the sufficient spares at site to minimize the down time.
 - c) Training to be given to SPA staff for operation & maintenance, troubleshooting, user level training pertaining to system after successful

commissioning.

- (i) Confidentiality: The supplier shall not disclose to any one, any information marked as confidential and communicated or made available or accessible by the Vendor during execution of the work.
- (ii) Ownership of data: SPA Bhopal will own the data, application and its source code whatsoever including supporting classes, modules, etc.
- (iii) The Expression of Interest (EOI) proposal (including annexure -1 and 2) and accompanying documents fulfilling prequalification criteria shall be submitted by post addressed to **Assistant Registrar (Stores & Purchase), School of Planning & Architecture, Neelbad Road, Bhuri, Bhopal** or to be delivered in the **Box kept in Security office at Gate Complex of the Institute**, in a sealed cover properly superscribing "**Expression of Interest for Supply & Installation of IP based CCTV Cameras**", so as to reach us on before **5.3.2018**.
- (iv) Proposals of EOI will be evaluated by the committee of Institute. Suppliers qualified in prequalification criteria will be informed to make a presentation of their proposal on 9.3.2018.
- (v) Based on detailed presentation and discussion with the committee of the institute, qualified suppliers will be asked to provide Financial Proposal latest by 14.3.2018.

Registrar

6. Checklist: Documents required to be filled in for prequalification criteria:

Sr. No.	Prequalification Criteria	Document to be submitted for proof	Copy enclosed (Yes or No)	Remark (if any)	Page No.
1.	Original Equipment's Manufacturers Authorization Certificate with blue ink signature.				
2.	Authorization for Maintenance of CCTVs				
3.	Annual Return to support claim of having 50.00 lakhs. (FY 2014-15, 15-16 & 16-17)				
4.	Proof of executing atleast two projects of IP Based CCTV Cameras and its Accessories (Security Surveillance System) of 15 lakhs each in previous three years (work completion certificate with name to be attached)				
5.	At least two reference letters of satisfactory installation of CCTV cameras from authorized personnel of two organizations				
6.	Bank Solvency Certificate for 5.00 lakhs.				
7.	Certificate of Incorporation of Company				
8.	Registration for GST and PAN etc.				

****Suppliers submitting their proposal may please ensure to attach the documents in the above order with proper mentioning of page no.***

7. Details of Cameras and accessories to be provided by the Supplier in the below format :

Cameras :

S. No.	Location	No. of Camera	Type of Camera	Specifications	Remarks

Accessories:

S. No.	Type of accessory	Required Number of item	Specifications	Type and no. of cameras for which accessory item to be used	Remarks