

# Software Technology Parks of India

## (Ministry of Electronics & IT, Govt. of India)

6Q3, Cyber Towers, HITEC City, Madhapur, Hyderabad – 500081,  
Tel: +91-40-66415600/11, Fax: +91-40-23100501, URL: [www.hyd.stpi.in](http://www.hyd.stpi.in)

### TENDER DOCUMENT

**Tender Title:** Supply, Installation, testing and commissioning of IP based CCTV Surveillance System.  
**Tender Ref.No :** STPH/NIT/2021-22/02 dated 27/05/2021  
**Last date & Time:** 18/06/2021 by 16:00hrs

#### 1. Tender Notice

Software Technology Parks of India, Hyderabad invites limited tender for “supply, Installation, testing and commissioning of IP based CCTV Surveillance System at STPI-Hyderabad.” in two bid system as per the requirement, terms & conditions mentioned below.

Bid should be kept in one single cover comprise with two separate sealed covers mentioning the Technical Bid and Financial bid and super scribed as “Supply, Installation, testing and commissioning of IP based CCTV Surveillance System at STPI-Hyderabad ” and addressed to “The Director, Software Technology Parks of India, 6Q3, Cyber Towers, HITEC city , Madhapur, Hyderabad-500 081 so as to reach this office on or before 18/06/2021 at 04:00PM

#### 2. Scope

Supply, installation, testing and commissioning of the IP based CCTV Surveillance Systems consisting of Cameras, NVRs, Storage and PoEs etc., at its two locations

**Location 1: STPI, 6Q3, Cyber towers, HITEC City, Madhapur, Hyderabad-500081.**

**Location 2: STPI, Dr. MCR HRD Institute Campus, Road No: 25, Jubilee Hills, Hyderabad-500033.**

SNo.	Description	Qty	Specifications
I.	Indoor dome cameras	09	Detailed Technical Specifications :Annexure-I and detailed scope of work : Annexure-II
II.	Outdoor Bullet Cameras	04	
III.	16 CH Network Video Recorder	02	
IV.	24 Port POE Switches	02	

#### 3. Schedule of events:

Date of Tender Notification	<b>27/05/2021 at 16:00hrs</b>
Details and instructions regarding the tender document	Copy of Tender document is available in CPP Portal (URL: <a href="https://eprocure.gov.in/epublish/">https://eprocure.gov.in/epublish/</a> ) and STPI-Hyderabad website (URL: <a href="http://www.hyd.stpi.in">www.hyd.stpi.in</a> ). Corrigendum/addendum, if any, will be published only in these websites.
Last date & time for submission of Bids	<b>18/06/2021 by 16:00hrs</b>
Opening of Tender	<b>18/06/2021 at 16:30hrs</b>
Earnest Money Deposit (EMD)	<b>Exempted</b>
Contact person	Joint Director 040-66415600/5611

#### 4. Eligibility Criteria

Eligibility
<ul style="list-style-type: none"><li>• The bidder should be registered under The Indian Companies Act, 1956.</li></ul>
<ul style="list-style-type: none"><li>• The bidder must provide copy of valid GST registration certificate.</li></ul>
<ul style="list-style-type: none"><li>• The bidder shall be either an Original Equipment Manufacturer (OEM) or an authorized certified partner/Service Provider of an OEM.</li></ul>
<ul style="list-style-type: none"><li>• The bidder must have a minimum turnover of 2.0 Lakhs in last three FY ( 2019-20, 2018-19 &amp; 2017-18).</li></ul>
<ul style="list-style-type: none"><li>• The bidder should have minimum 2 years' experience of similar work.</li></ul>
<ul style="list-style-type: none"><li>• The bidder must declare that there is no lawsuit/blacklisted by any organization.</li></ul>
<ul style="list-style-type: none"><li>• The bidder /OEM must have dedicated/toll Free Telephone No. for Service Support and must provide Escalation Matrix of Telephone Numbers for Service Support.</li></ul>
<ul style="list-style-type: none"><li>• The products quoted should not be declared End of Life at the time of delivery and OEM should support the products quoted for at least 5 years.</li></ul>

Note: The bidder must provide necessary supporting documents as proof in respect of the eligibility criteria mentioned above.

#### 5. Documentation: After successful installation, the vendor must be handed over the following documents to STPI:

- a) Installation Report
- b) Wiring diagrams/drawings
- c) Product /Operation manuals (with Architecture Diagram)
- d) Warranty Certificates
- e) Test Report
- f) Supporting documents as proof in respect of the eligibility criteria mentioned in point.

#### 6. Warranty Period support:

The bidder has to provide warranty period support, including hardware support for each category for a period mentioned in the Technical Specifications (Annexure-I) from the date of successful installation and acceptance by STPI Hyderabad. This warranty should cover both parts and support onsite.

Training: On Successful installation bidder must be provided training along with the training materials on the proposed product to the specified officers of STPI Hyderabad.

#### 7. General Terms & Conditions

- a) Bid should be kept in a single cover comprised with two sealed covers mentioning the Technical Bid and Financial bid and super scribed as **"Supply, Installation,testing and commissioning of IP based CCTV Surveillance System at STPI Hyderabad "** and submit to this office addressed to **"The Director, Software Technology Parks of India, 6Q3, Cyber Towers, HITEC city , Madhapur, Hyderabad-500 081 so as to reach this office on or before due date and time.**
- b) The tender documents shall be treated as "confidential"
- c) Each page of the tender document should be signed and stamped by authorized signatory.

- d) Alterations, if any, in the quotation should be attested by the Authorized Signatory, failing which the tender is liable to be rejected.
- e) Rates of all items/services should be quoted, Rates should be quoted both in Figure & Words.
- f) STPI also reserves the right to modify/relax any of the terms & conditions of the tender.
- g) STPI will not be responsible for any postal losses or delays in submission of documents
- h) STPI reserves the right to accept any tender from among the tenders received or to reject any or all the tenders so received without assigning any reasons thereof.
- i) **CONDITIONAL/PARTIAL TENDER WILL NOT BE ACCEPTED AND WILL BE REJECTED OUTRIGHT.**
- j) If any of the conditions of Tender are not fulfilled, such Tender/Tenders will be summarily rejected outright and objections raised in this regard will not be entertained.
- k) STPI reserves the right to place order for additional quantity on repeat order basis on same terms & conditions of finalized order.
- l) Specification of CCTV Surveillance system will be as per enclosed Annexure-I and scope of supply & installation will be as per enclosed Annexure-II

#### **8. Procedure for Submission of Bids:**

**Technical Bid (Cover-1) :** Bidders are requested to submit the bids as per the following:

- a) Bidder's details (filled & signed) as per Annexure–III
- b) Tender Acceptance letter (filled & signed) as per **Annexure –IV**
- c) Declaration letter (filled & signed) as per **Annexure –V**
- d) EMD exemption declaration letter **Annexure-VI**
- e) Malicious Code Certificate **Annexure-VII**
- f) Technical compliance sheet (filled & signed) as per **Annexure-VIII**
- g) Details of components & product list (filled & signed) as per **Annexure-IX**

**Commercial Bid (Cover-2) :**

- a) **Bidders are requested to submit the Financial Bid (filled & signed) as per Annexure – X**

#### **9. Award of Contract:**

- Contract will be awarded on the basis of financial bid of the lowest acceptable responsive of Grand total amount of Annexure-X (Financial Bid) bidder who complies with all terms and conditions of the tender.
- In case of more than one vendor emerging as L1, STPI reserves the right to either seek revised financial bids only from those L1 bidders or cancel the tender.

#### **10. Validity of Quotation:**

The bid should be valid for 90 days from the last date for submission of bids.

#### **11. Payment Terms:**

Payment will be made after completion of supply, installation, intergration, testing, acceptance, training & submission of warranty certificate.

**12. ePBG:** Successful bidder should submit PBG of 3 % of bid value, which should be valid for a period of 1 year +60 days.

**13. Bid Security (EMD):**

Bid security declaration should be submitted as per Annexure-VI

**14. Liquidity Damages**

Contracts are subjected to Liquidity Damages

- I. Deviation in any of the terms of the contract with due acceptance from STPI will not attract any liquidity damages.
- II. The following liquidity damages are levied if there is a delay in the delivery schedule defined in the Order:
  - a) Within one week from scheduled delivery - 2% of contract value
  - b) Within 8 – 15 days from scheduled delivery - 3% of contract value
  - c) Within 16 – 30 days from scheduled delivery - 5% of contract value
  - d) Beyond 30 days - Order will be cancelled.

**15. Rejection of Bids**

STPI-Hyderabad reserves the right to reject the bids in the following circumstances:

- ❖ Bid received after due date and time
- ❖ Not complying to any of the clauses of tender document.

**16. Right to Cancel the Procurement/Contract**

Director, STPI-Hyderabad reserves the right to cancel the procurement/ Services at any stage without any prior notice without assigning any reason thereof.

**17. Cancellation of Order**

STPI, Hyderabad reserves the right for cancellation of Order at any time if the products/ Services are found unsatisfactory. Also, if warranted, services from alternative supplier shall be taken at the cost and risk of the tenderer whose tender is accepted and order placed

**18. Settlement of Disputes Clause**

Any dispute or difference whatsoever arising between the tenderer and STPI shall be settled by arbitration in accordance with the provisions of the Arbitration and Conciliation Act, 1996. In such case the same shall be referred to the sole arbitration of Director, STPI, Hyderabad. The award of the arbitrator shall be final and binding on both the parties. The venue of the arbitration shall be at Hyderabad. The language of arbitration shall be in English. Legal issues, if any, will strictly be under jurisdiction courts in Hyderabad only

**Signature:**

**Date:**

**Technical Specifications****Indoor Cameras-9nos**

Type of Camera Housing	DOME CAMERA
IP Camera	Yes
Image Sensor Type	CMOS
Camera Image Sensing capacity (Picture Mode)	2MP
Resolution	HD (1280 x 720 Pixel), Full HD (1920 x 1080 Pixel) or higher
Day/Night Capable	Yes
Lens Type	Fixed
IR illumination Range(mtr)	30
Focal Length(mm)	2.8
Iris Control	Yes
Focus Mode	Auto
Video Frame Rate (fps)	25,30
Video Compression	H.265+, H.265, H.264, MJPEG
Video Streaming	Dual/Triple compressed stream
Encrypted Data Transmission	HTTPS (SSL/TSL)
White Balance ( Indoor/Out door/Manual Selectable)	Yes
Auto Gain Control (On/Off selectable)	Yes
Back Light Compensation	Yes
Remote Administration (Remote configuration and status using web based tool)	Yes
Remote System Update Over Network	Auto update
PC Client (PC application client with a channel recording feature support)	Yes
Web Client (Viewer through HTTP system configuration)	Yes
On Screen Display in English	Yes
ONVIF Support	Yes
Supported Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, SNMP, IGMP, QoS
IP Support	Static, Dynamic
Video Content Analytics (VCA)	Trip-wire Detection, Motion Detection, Crossing line, Intrusion Detection, Face Recognition, Object counting, Tampering, Object Removal, Number Plate Recognition, Digital Zoom 12X and more
IPv6 ready	Yes
Protection	IP67
Vandal Resistant Housing	Yes
Onsite Warranty	1 Year
Supply of Compatible drivers and software included	Supply of Compatible drivers and software included

**Outdoor Cameras-04nos**

Type of Camera Housing	BULLET CAMERA
IP Camera	Yes
Image Sensor Type	CMOS
Camera Image Sensing capacity (Picture Mode)	4MP
Resolution	HD (1280 x 720 Pixel),Full HD (1920 x 1080 Pixel), 2K resolution or higher
Day/Night Capable	Yes
Lens Type	Fixed
IR illumination Range(mtr)	50
Focal Length(mm)	2.8
Iris Control	Yes
Focus Mode	Auto,Zooming,One Push,Manual
Video Frame Rate (fps)	25,30
Video Compression	H.265+,H.265+,H.264,MJPEG
Video Streaming	Dual/Triple compressed stream
Encrypted Data Transmission	HTTPS (SSL/TSL)
White Balance ( Indoor/Out door/Manual Selectable)	Yes
Auto Gain Control (On/Off selectable)	Yes
Back Light Compensation	Yes
Remote Administration (Remote configuration and status using web based tool)	Yes
Remote System Update Over Network	Auto update
PC Client (PC application client with a channel recording feature support)	Yes
Web Client (Viewer through HTTP system configuration)	Yes
On Screen Display in English	Yes
ONVIF Support	Yes
Presets	4
Supported Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS, DDNS,RTP,RTSP,RTCP,NTP,UPnP,SMTP, SNMP,IGMP,QoS
Video Content Analytics (VCA)	Trip-wire Detection,Motion Detection,Crossing line,Intrusion Detection,Face Recognition,Object counting,Tampering,Object Removal,Number Plate Recognition,Digital Zoom 12X and more
IP Support	Static,Dynamic
IPv6 ready	Yes
Protection	IP67
Vandal Resistant Housing	Yes
Onsite Warranty	1 Year
Supply of Compatible drivers and software included	Supply of Compatible drivers and software included
Operating Temperature Range	-20 to +50 deg C
Relative Humidity Non Condensing (%)	95

**Network Video Recorder-02nos**

Number of IP based Video Input Channels	16
Number of Video Output Channels	16
Recording Resolution	2K resolution
Supported Compression Technique	H.264,H.265,MPEG-4,MJPEG,H.265+,H.264+
Maximum Number of cameras to be viewed on a single display	16
Total number of simultaneous local views	4
Simultaneous Monitoring Connections for All Cameras (Users in Local Network for Client Connection)	8
Recording Speed for all channels (fps)	12
Minimum Through put (Mbps)	256
Display Image Rate	Real time per channel
Number of Video Input Channels	16
Type of Recording Device	NVR
IP Camera Support	Yes
PTZ Camera control Support	Yes
Housing construction	Alluminium
Mounting	Rack Mounted
Capability of Recorder to Work with Other Makes of CCTV Cameras (ONVIF support)	Yes
Audio Support	Yes
Audio Input	4
Audio Output	2
Audio Compression	MP2L2
Minimum Number of Simultaneous Channels for Two-way Audio Support	2
Alarm Support	Yes
Alarm Input	4
Alarm Output	2
Pre / Post Alarm Buffer	Yes
Pre-Alarm Recording	59 second
Post-Alarm Recording	59 second
Video Content Analytics (VCA)	Trip-wire Detection,Motion Detection,Crossing line,Intrusion Detection,Face Recognition,Object counting,Tampering,Object Removal,Number Plate Recognition,Digital Zoom 12X and more
Operating System Supported	Windows,MAC,Linux
Supported Interface	HDMI,VGA
Physical Layer of Ethernet	10/100/1000 Base TX
Number of Ethernet Ports	1
Number of HDMI Ports	1
Number of VGA Ports	1
Number of USB Ports	2
Drivers / Compatible Software (Wherever Applicable) Part Of Supply	Yes

Recording schedule support	Yes
Bandwidth Control	Yes
Camera Notification	Spot (POP up Window) on Event
Network transmission Speed	Real time display
Search	Date,Time,Event,Log,Motion,Bookmarks
Bookmarks	Forward,Backward,adjustable playback speed,Full Screen,Next Camera,Previous Camera,Repeat
Page preview	Multi Monitor Support
Total Management	Group add
Camera	Add
Internal Hard Drive Interface	SATA III
Number of Hard Disks (inclusive in the scope of supply)	8
Storage Capacity of each Hard Disk (TB)	6TB or higher
Total Storage Capacity(TB)	48
Internal Storage Expandable upto (TB)	48
Number of Hard Disks supported	8 or more
Onsite Warranty	1 Year

#### **POE Switches-02nos**

Type of Switch	UnManaged
No of Ports	24
Technology	PoE+
on Site OEM Warranty	3 Years



## Annexure-II

### **Detailed Scope of Supply, installation, testing and commissioning of IP based CCTV Surveillance System at STPI-Hyderabad**

1. Supply, installation, testing and commissioning of IP based CCTV Surveillance System at the following STPI locations as detailed in the table below:
  - a. STPI, 6Q3, 6<sup>th</sup> floor, Cyber towers, Hitec City, Madhapur, Hyderabad-500081.
  - b. STPI, Dr. MCR HRD Institute, Road No:25, Jubilee Hills, Hyderabad-500033.

SNo.	Description	Qty
<b>Location 1: STPI, 6Q3, 6<sup>th</sup> floor, Cybertowers, Hitec City, Madhapur, Hyderabad-500081.</b>		
1.	Indoor dome cameras	04
2.	16CH Network Video Recorder	01
3.	24 Port POE Switches	01
<b>Location 2: STPI, Dr. MCR HRD Institute, Road No:25, Jubilee Hills, Hyderabad-500033.</b>		
1.	Indoor dome cameras	05
2.	Outdoor Bullet Cameras	04
3.	16CH Network Video Recorder	01
4.	24 Port POE Switches	01

2. The cameras are to be installed in the various locations to view the desired part of location for surveillance. Mounting of the cameras would be on the poles to be installed or on the existing structures / building as detailed by the user prior to start of execution.
3. Delivery of entire material to above mentioned locations should include packing, handling, transporting.
4. Installation, testing & commissioning of all the components/ equipments / accessories, including cable laying wherever necessary etc. as per technical specifications mentioned above.
5. All Civil/Electrical work is in the scope of bidder.
6. Providing all-inclusive service including all spares, etc. during warranty period.
7. Any other work related to but not specifically mentioned above, required for completion of the job as per the intent and scope of work.

**Note: Bidders are advised/free to visit the above mentioned locations to analyze the camera fixing points and then quote the necessary required accessories / cables etc.**

**Annexure-III****COMPANY DETAILS  
(TO BE SUBMITTED ON YOUR LETTER HEAD)**

1	Company Name *	
2	Registration Number *	
3	Registered Address*	
4	Bidder type*	Indian                  Foreign
5	City*	
6	State*	
7	Postal Code*	
8	PAN/TAN Number*	
9	Company's Nature of Business*	
10	Company Legal status*	Limited company Undertaking Joint venture Partnership Others
11	Company Category*	Micro unit as per MSME, Small unit as per MSME, Medium unit as per MSME , Ancillary unit, Project affected person of this company SSI Others
<b>Contact Information of person:</b>		
12	Contact Name*	
13	Date of birth of person*	
14	Correspondence email*	
15	Phone*	
16	Mobile*	

Signature of the Tenderer

**Tender Acceptance Letter  
(To be given on Company Letter Head)**

TO,

The Director  
Software Technology Parks of India  
Hyderabad

**Sub: Acceptance of Terms & Conditions of Tender**

Name of Tender/Work : \_\_\_\_\_

Tender Reference No. : \_\_\_\_\_

Sir,

1. The tender document mentioned above have been downloaded/obtained from the sites URL :  
\_\_\_\_\_, as motioned in the documents. I/We hereby certify that I/We read the entire terms and conditions of the tender documents from Page No. \_\_\_\_\_ to \_\_\_\_\_ (including all documents like annexures, schedules, etc..), which form part of the contract agreement and I/We shall abide hereby the terms/conditions/clauses contained therein.
2. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.
3. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
4. In case any provisions of this tender are found violated, then the Department shall without prejudice to any other right or remedy be at liberty to reject the tender including the forfeiture of the full said earnest money absolutely.

Yours faithfully

(Signature of the Bidder with Official Seal)

**DECLARATION**

I hereby certify that the information furnished above is full and correct to the best of my/our knowledge. I understand that in case any deviation is found in the above statement at any stage, the supplier will be blacklisted and will not be permitted to have any dealing with the STPI-Hyderabad in future.

**Seal and Sign of Bidder  
Name & Address:**

**Bid Securing Declaration Form**

Tender No: STPH/NIT/21-22/02 dated 27/05/2021

Date: \_\_\_\_\_

To,

The Director  
Software Technology Parks of India  
6Q3, Cyber Towers, HITEC City,  
Hyderabad- 500081

I/We. the undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

- a. have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b. having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown)  
in the capacity of (insert legal capacity of person signing the Bid Securing Declaration)

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder)

Dated on \_\_\_\_\_ day of \_\_\_\_\_ (insert date of signing)  
Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

**Malicious Code Certificate**

The seller should provide following certificate in the bid:-

- a. This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-
  - I. Inhibit the desires and designed function of the equipment.
  - II. Cause physical damage to the user or equipment during the exploitation.
  - III. Tap information resident or transient in the equipment/network.
- b. The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

## Annexure-VIII

### Technical Compliance

Bidder has to complete the below Compliance Sheet mentioning complied or not complied against every specifications.

#### General Compliance

S no	Description	Details	Remarks
1	Acceptance of General Terms & Conditions of the Tender		

#### Compliance sheet for Indoor Dome Cameras

Description	STPI-Hyderabad Requirement	Compliance Yes/No	Remarks if Any
Type of Camera Housing	DOME CAMERA		
IP Camera	Yes		
Image Sensor Type	CMOS		
Camera Image Sensing capacity (Picture Mode)	2MP		
Resolution	HD (1280 x 720 Pixel), Full HD (1920 x 1080 Pixel) or higher		
Day/Night Capable	Yes		
Lens Type	Fixed		
IR illumination Range(mtr)	30		
Focal Length(mm)	2.8		
Iris Control	Yes		
Focus Mode	Auto		
Video Frame Rate (fps)	25,30		
Video Compression	H.265+, H.265, H.264, MJPEG		
Video Streaming	Dual/Triple compressed stream		
Encrypted Data Transmission	HTTPS (SSL/TSL)		
White Balance ( Indoor/Out door/Manual Selectable)	Yes		
Auto Gain Control (On/Off selectable)	Yes		
Back Light Compensation	Yes		
Remote Administration (Remote configuration and status using web based tool)	Yes		
Remote System Update Over Network	Auto update		
PC Client (PC application client with a channel recording feature support)	Yes		
Web Client (Viewer through HTTP system configuration)	Yes		

On Screen Display in English	Yes		
ONVIF Support	Yes		
Supported Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP,NTP,UPnP,SMTP,SNMP,IGMP,QoS		
IP Support	Static,Dynamic		
Video Content Analytics (VCA)	Trip-wire Detection,Motion Detection,Crossing line,Intrusion Detection,Face Recognition,Object counting,Tampering,Object Removal,Number Plate Recognition,Digital Zoom 12X and more		
IPv6 ready	Yes		
Protection	IP67		
Vandal Resistant Housing	Yes		
Onsite Warranty	1 Year		
Supply of Compatible drivers and software included	Supply of Compatible drivers and software included		

#### Compliance sheet for Outdoor Bullet Cameras

Description	STPI-Hyderabad Requirement	Compliance Yes/No	Remarks if Any
Type of Camera Housing	BULLET CAMERA		
IP Camera	Yes		
Image Sensor Type	CMOS		
Camera Image Sensing capacity (Picture Mode)	4MP		
Resolution	HD (1280 x 720 Pixel),Full HD (1920 x 1080 Pixel), 2K resolution or higher		
Day/Night Capable	Yes		
Lens Type	Fixed		
IR illumination Range(mtr)	50		
Focal Length(mm)	2.8		
Iris Control	Yes		
Focus Mode	Auto,Zooming,One Push,Manual		
Video Frame Rate (fps)	25,30		
Video Compression	H.265+,H.265+,H.264,MJPEG		
Video Streaming	Dual/Triple compressed stream		
Encrypted Data Transmission	HTTPS (SSL/TSL)		
White Balance ( Indoor/Out door/Manual Selectable)	Yes		
Auto Gain Control (On/Off selectable)	Yes		
Back Light Compensation	Yes		
Remote Administration (Remote configuration and status using web based tool)	Yes		
Remote System Update Over Network	Auto update		



PC Client (PC application client with a channel recording feature support)	Yes		
Web Client (Viewer through HTTP system configuration)	Yes		
On Screen Display in English	Yes		
ONVIF Support	Yes		
Presets	4		
Supported Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP,NTP,UPnP,SMTP,SNMP,IGMP,QoS		
Video Content Analytics (VCA)	Trip-wire Detection,Motion Detection,Crossing line,Intrusion Detection,Face Recognition,Object counting,Tampering,Object Removal,Number Plate Recognition,Digital Zoom 12X and more		
IP Support	Static,Dynamic		
IPv6 ready	Yes		
Protection	IP67		
Vandal Resistant Housing	Yes		
Onsite Warranty	1Year or more		
Supply of Compatible drivers and software included	Supply of Compatible drivers and software included		
Operating Temperature Range	-20 to +50 deg C		
Relative Humidity Non Condensing (%)	95		

#### Compliance sheet for NVRs

Description	STPI-Hyderabad Requirement	Compliance Yes/No	Remarks if Any
Number of IP based Video Input Channels	16		
Number of Video Output Channels	16		
Recording Resolution	2K resolution		
Supported Compression Technique	H.264,H.265,MPEG-4,MJPEG,H.265+,H.264+		
Maximum Number of cameras to be viewed on a single display	16		
Total number of simultaneous local views	4		
Simultaneous Monitoring Connections for All Cameras (Users in Local Network for Client Connection)	8		
Recording Speed for all channels (fps)	12		

Minimum Through put (Mbps)	256		
Display Image Rate	Real time per channel		
Number of Video Input Channels	16		
Type of Recording Device	NVR		
IP Camera Support	Yes		
PTZ Camera control Support	Yes		
Housing construction	Alluminium		
Mounting	Rack Mounted		
Capability of Recorder to Work with Other Makes of CCTV Cameras (ONVIF support)	Yes		
Audio Support	Yes		
Audio Input	4		
Audio Output	2		
Audio Compression	MP2L2		
Minimum Number of Simultaneous Channels for Two-way Audio Support	2		
Alarm Support	Yes		
Alarm Input	4		
Alarm Output	2		
Pre / Post Alarm Buffer	Yes		
Pre-Alarm Recording	59 second		
Post-Alarm Recording	59 second		
Video Content Analytics (VCA)	Trip-wire Detection,Motion Detection,Crossing line,Intrusion Detection,Face Recognition,Object counting,Tampering,Object Removal,Number Plate Recognition,Digital Zoom 12X and more		
Operating System Supported	Windows,MAC,Linux		
Supported Interface	HDMI,VGA		
Physical Layer of Ethernet	10/100/1000 Base TX		
Number of Ethernet Ports	1		
Number of HDMI Ports	1		
Number of VGA Ports	1		
Number of USB Ports	2		
Drivers / Compatible Software (Wherever Applicable) Part Of Supply	Yes		
Recording schedule support	Yes		
Bandwidth Control	Yes		
Camera Notification	Spot (POP up Window) on Event		
Network transmission Speed	Real time display		
Search	Date,Time,Event,Log,Motion,Bookmarks		
Bookmarks	Forward,Backward,adjustable playback speed,Full Screen,Next Camera,Previous		

	Camera,Repeat		
Page preview	Multi Monitor Support		
Total Management	Group add		
Camera	Add		
Internal Hard Drive Interface	SATA III		
Number of Hard Disks (inclusive in the scope of supply)	8		
Storage Capacity of each Hard Disk (TB)	6TB or higher		
Total Storage Capacity(TB)	48		
Internal Storage Expandable upto (TB)	48		
Number of Hard Disks supported	8 or more		
Onsite Warranty	1 Year or more		

Description	STPI-Hyderabad Requirement	Compliance Yes/No	Remarks if Any
Type of Switch	UnManaged		
No of Ports	24		
Technology	PoE+		
on Site OEM Warranty	3 years		

**Compliance sheet for PoEs**

(Signature of the Tenderer)  
Name & Designation  
Company Seal

**Annexure-IX****Components and Products**

In response to technical requirements kindly fill-up the details of component & Products in the following format:

<b>S.No.</b>	<b>Description</b>	<b>Product (Model No)</b>	<b>Brand name and Name of the OEM</b>	<b>List of brochures attached relevant to the proposed product</b>
01	Indoor Dome Cameras			
02	Outdoor Bullet Cameras			
03	16 CH NVRs			
04	24 Port POE Switches			
05	Accessories			
06	Any other items			

**(Signature of the Tenderer)**  
**Name & Designation**  
**Company Seal**

**Annexure-X**

**Commercial Bid as per the following format on Letter Head should be submitted**

**Financial Bid**

S.No	Description	Qty	Rate in Rs	Taxes	Total Amount in Rs
1	Supply of Indoor Dome Cameras as per specifications mentioned in Annexure-I	9			
2	Supply of Outdoor Bullet Cameras as per specifications mentioned in Annexure-I	4			
3	Supply of 16CH NVRs as per specifications mentioned in Annexure-I	2			
4	Supply of 24 Port PoEs as per specifications mentioned in Annexure-I	2			
5	Installation, integration, testing and commissioning of IP based CCTV Surveillance System at its two premises.	Lumpsum			
6	Any additional Hardware (Accessories /Cables ect.,) / software required to meet the specifications and scope of tender document				
Other charges, if any with break-up:					
Grand Total:					

(Signature of the Tenderer)  
Name & Designation  
Company Seal

Note: Contract will be awarded on the basis of financial bid of the lowest acceptable responsive of Grand total amount.